

Our Ref: 21384/CH

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London EC3V 9DF

2 July 2024

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Keith Mapingire
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Dear Keith

35-39 FRIAR STREET, READING: Daylight and Sunlight Addendum

Further to our meeting with Reading Council and the BRE on 14 June 2024 to discuss the outstanding daylight and sunlight items requested by the BRE. We have now completed the Average Daylight Factor (ADF) to all proposed habitable rooms within the scheme. We have also undertaken the mirrored baseline daylight and sunlight assessment to Blocks E and F of the neighbouring Station Hill, assuming a similar level of massing is present on the development site.

The information contained in this addendum report should be review in conjunction with the Daylight and Sunlight report dated June 2022, which was submitted as part of the planning application.

Guidance and Planning Policy**BRE Report 209, 'Site Layout for Daylight and Sunlight: A guide to good practice' – (2022)**

The leading publication providing national guidance on the provision of daylight and sunlight to new development, and the impacts of development on daylight and sunlight to neighbouring buildings and open spaces, is BRE Report 209, 'Site Layout Planning for Daylight and Sunlight: A guide to good practice' (second edition, 2022). It is referred to in the development plan documents or supplementary planning documents of most planning authorities.

The latest BRE guidelines only altered how daylight and sunlight to proposed dwellings are to be tested. The Average Daylight Factor (ADF) and Annual Probable Sunlight Hours (APSH) test have been replaced with the new Daylight Illuminance, Daylight Factor and Sunlight Exposure tests. How daylight and sunlight to existing neighbouring properties should be considered has not changed.

Due to the location of the site in relation to the Station Hill development and to provide a comparison between the daylight and sunlight levels within the 2 developments, we have used the ADF, NSL and APSH methods to evaluate the daylight and sunlight levels within the scheme.

Results**Light within the proposed development**

The results of the ADF test to all proposed habitable rooms are set out in the attached table of results. The additional floors tested are shown on the accompanying floor plans. The level of adherence to the BRE numerical guidelines is summarised below:

Also at:Delva Patman Redler
The Quay
12 Princes Parade
Liverpool L3 1BGDelva Patman Redler
40 Berkeley Square
Bristol
BS8 1HPDelva Patman Redler
Harcourt Centre
Block 4 Harcourt Road
Dublin D02 HW77

Table 1 - Number of rooms meeting ADF guidelines

Building	No. of rooms tested	ADF	
		Meeting guideline	
		No.	%
Proposed Scheme	255	205	80%
Totals:	255	205	80%
			50
			20%

Table 1 shows that of the 255 rooms assessed, 205 (80%) would satisfy the BRE guidelines for ADF. Of the 50 rooms that fall below the suggested BRE guidelines, 27 are bedrooms and the remaining 23 are main living areas.

This presents a better level of adherence to the BRE guidelines when compared to the recently constructed Blocks E and F which had a 67% and 69% level of adherence with the BRE guidelines.

Table 2 - Number of rooms meeting NSL guidelines

Building	No. of rooms tested	NSL	
		Meeting guideline	
		No.	%
Proposed Scheme	255	174	68%
Totals:	255	174	68%
			81
			32%

Table 2 shows that of the 255 rooms assessed, 174 (68%) would satisfy the NSL guidelines. Although, 225 (88%) would meet the alternative NSL target value of 50% coverage, which is typically considered appropriate for a town centre regeneration scheme.

Sunlight to new dwellings

The results of the sunlight analysis of the main living rooms within the proposed scheme are attached and summarised in **Table 3** below.

Table 3 - Number of main living rooms meeting APSH guidelines

Building	APSH (main living rooms with a southerly-aspect window)		
	No. of main living rooms tested	Meeting guideline (Ann & Win)	
		No.	%
Proposed Scheme	104	50	48%
Totals:	104	50	48%

Table 3 shows that of the 104 rooms assessed, 50 (48%) will satisfy the APSH guidelines. Due to the orientation of the scheme several of the rooms face almost directly east and therefore their ability to receive sunlight is hindered by the orientation of the development site. It is worth noting, that the rooms facing directly south generally receive very good levels of direct sunlight.

Effects of the proposed development on neighbouring Station Hill Development

The mirrored baseline condition assuming a similar massing to Blocks E and F is present on the development site are shown on attached drawing 21384-SPT-005. The VSC, NSL and APSH results comparing the difference

2 July 2024

between the mirrored baseline and proposed condition are shown in the summary tables below. The full results are attached.

Table 4 - Number of windows meeting the VSC BRE guidelines

Property address	No. of windows tested	Windows inside VSC guidelines		Windows outside VSC guidelines					
				Low reduction 0.79-0.70 x FV		Medium reduction 0.69-0.60 x FV		High reduction <0.60 x FV	
		No.	%	No.	%	No.	%	No.	%
Block E	543	493	91%	28	5%	13	2%	9	2%
Block F	156	156	100%	-	-	-	-	-	-
Totals:	699	649	93%	28	4%	13	2%	9	1%

Table 4 shows that of the 543 windows tested in Block E, 493 (91%), and all 156 (100%) in Block F satisfy the BRE guidelines Overall, of the 699 windows tested across both blocks, 649 (93%) satisfy the BRE guidelines.

Table 5 - Number of rooms meeting the NSL BRE guidelines

Property address	No. of rooms tested	Rooms inside NSL guidelines		Rooms outside NSL guidelines					
				Low reduction 0.79-0.70 x FV		Medium reduction 0.69-0.60 x FV		High reduction <0.60 x FV	
		No.	%	No.	%	No.	%	No.	%
Block E	453	418	92%	9	2%	12	3%	14	3%
Block F	144	133	92%	-	-	-	-	-	-
Totals:	597	551	92%	9	2%	12	2%	14	2%

Table 5 shows that of the 453 rooms tested in Block E, 418 (92%) satisfy the BRE guidelines. In Block F, of the 144 rooms tested, 133 (92%) satisfy the BRE guidelines. Overall, of the 597 rooms tested, 551 (92%) satisfy the BRE guidelines.

Table 6 - Number of rooms meeting the APSH BRE guidelines

Property address	No. of rooms tested	Rooms inside APSH annual guidelines		Rooms outside APSH annual guidelines					
				Low reduction 0.79-0.70 x FV		Medium reduction 0.69-0.60 x FV		High reduction <0.60 x FV	
		No.	%	No.	%	No.	%	No.	%
Block E	267	261	98%	1	0%	-	-	5	2%
Block F	113	113	100%	-	-	-	-	-	-
Totals:	380	374	98%	1	0%	0	0%	5	1%

Table 6 shows that of the 267 rooms tested in Block E, 261 (98%), and all 113 (100%) in Block F satisfy the BRE guidelines. Overall, of the 380 rooms tested, 374 (98%) satisfy the BRE guidelines.

The impacts on daylight and sunlight to the Station Hill development is discussed in more detail in Daylight and Sunlight Report dated June 2022. However, the results reported above show that the effects of the proposed scheme on Blocks E and F are limited and is generally due to the design and layout of the Station Hill development which has windows located under balconies in the corner of the courtyards or windows close to the boundary.

Conclusion

The addendum report has tested all proposed habitable rooms within the development for daylight and sunlight, as well as a mirrored baseline scenario for Blocks E and F of the Station Hill development, to address the comments raised by the BRE following a peer review of the daylight and sunlight report dated June 2022, which was submitted as part of the planning application.

The advice contained in the BRE guide is not mandatory and its numerical guidelines should be interpreted flexibly particularly in high density urban regeneration areas where a degree of obstruction is unavoidable if development is to match the height of neighbouring building.

The ADF results shows that 80% of the habitable rooms within the scheme satisfy the BRE guidelines. This is a greater level of compliance with the BRE recommendations that was considered acceptable for Blocks E and F.

The mirrored baseline daylight and sunlight results show that the scheme performs well against the BRE guidelines when considering the relationship between the site and Blocks E and F of the neighbouring Station Hill development.

In conclusion, it is submitted that the layout of the proposed development is consistent with the Council's local planning policy on daylight and sunlight, particularly having regard to paragraph 125(c) of the National Planning Policy Framework and Policy CC8 of the local plan.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Chris Harris', with a stylized flourish at the end.

Chris Harris BSc
Partner
E: chris.harris@dpr.uk.com
M: 07701 386268



Fifth Floor



Sixth Floor

NO DIMENSIONS TO BE SCALED
FROM THIS DRAWING

KEY:	
Floor Plans	Windows tested Daylight only
Proposed	Windows tested Daylight & Sunlight
Tested Layouts	

SOURCE DATA:
Existing & Neighbouring Surrounding:

3D Services Ltd:
3D Model File Name: - 17-067 30-39 Friar Street,
Reading 3D Site.dwg

Surrounding Context:

Zmapping 3D Model

Station Hill Dev. Block E and F: - Planning
application drawing information

Proposed:

Stefan Shaw Studio (Architects):
(info received 13.04.2023)
3D Model File Name:
- 230413_35-39 Friar Street_3D Model.dwg
Dwg No's:
- 0083-A-03-L01-101 - 104
Set using reference points from pdf:
- 230414_35-39 Friar Street_Co-ordinates.pdf

NOTES:

REV	Description	Drawn	Date

DELVA PATMAN REDLER
Chartered Surveyors

London 020 7936 3668
Liverpool 0151 242 0980
Bristol 0117 450 9703

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TITLE:
35-39 FRIAR STREET,
READING, RG1 DX.

DRAWING:
KEY WINDOW LOCATIONS
Plan View

Fifth & Sixth Floor Layouts

DRAWN: VK	JOB NBR:
SCALE: 1:250@A3	21384
DATE: 02/07/2024	
DWG NO:	REV:
ST_004	-



Seventh Floor



Eighth -
Tenth Floors

NO DIMENSIONS TO BE SCALED
FROM THIS DRAWING

KEY:

- Floor Plans
- Proposed
- Tested Layouts

- W1 Windows tested Daylight only
- W1 Windows tested Daylight & Sunlight

SOURCE DATA:

Existing & Neighbouring Surrounding:

3D Services Ltd:
3D Model File Name: - 17-067 30-39 Friar Street,
Reading 3D Site.dwg

Surrounding Context:

Zmapping 3D Model

Station Hill Dev. Block E and F: - Planning
application drawing information

Proposed:

Stefan Shaw Studio (Architects):
(info received 13.04.2023)
3D Model File Name:
- 230413_35-39 Friar Street_3D Model.dwg
Dwg No's:
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NOTES:

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TITLE:

35-39 FRIAR STREET,
READING, RG1 DX.

DRAWING:

KEY WINDOW LOCATIONS
Plan View

Seventh - Tenth Floor Layouts

DRAWN: VK

SCALE: 1:250@A3

DATE: 02/07/2024

DWG NO:

ST_005

JOB NBR:

21384

REV:

-

Property & room attributes					Daylight/Sunlight (BRE 2011)							
Floor	Flat/Unit no.	Room ref.	Property type	Room use	ADF		NSL (% room)	Room depth criterion		APSH room		
					Target (%)	ADF (%)		Limit (current) (m)	Criterion met?	Annual (%)	Winter (%)	
Proposed Scheme												
F01	Plan(s)	R1	Residential	Bedroom	1.0	0.38	39%	9.71	Yes	2	1	
	Plan(s)	R2	Residential	LKD	1.5	1.34	36%	Exempt: Dual Aspect	Yes	8	4	
	Plan(s)	R3	Residential	Bedroom	1.0	1.24	27%	8.97	Yes	5	2	
	Plan(s)	R4	Residential	Bedroom	1.0	0.48	38%	9.71	Yes	1	1	
	Plan(s)	R5	Residential	LKD	1.5	5.59	99%	Exempt: Dual Aspect	Yes	60	19	
	Plan(s)	R6	Residential	Bedroom	1.0	3.22	96%	11.20	Yes	44	13	
	Plan(s)	R7	Residential	Bedroom	1.0	1.39	94%	10.77	Yes	13	13	
	Plan(s)	R8	Residential	LKD	1.5	2.11	77%	Exempt: Dual Aspect	Yes	53	19	
	Plan(s)	R9	Residential	Bedroom	1.0	0.85	63%	10.10	Yes	7	7	
	Plan(s)	R10	Residential	LKD	1.5	1.42	73%	Exempt: Dual Aspect	Yes	49	17	
	Plan(s)	R11	Residential	LKD	1.5	1.10	97%	10.08	Yes	9	9	
	Plan(s)	R12	Residential	Bedroom	1.0	2.74	81%	11.27	Yes	0	0	
	Plan(s)	R13	Residential	Bedroom	1.0	1.62	53%	10.14	Yes	0	0	
	Plan(s)	R14	Residential	Studio	1.5	0.90	42%	Exempt: Dual Aspect	Yes	0	0	
	Plan(s)	R15	Residential	LKD	1.5	0.71	29%	10.47	Yes	2	0	
	Plan(s)	R16	Residential	Bedroom	1.0	1.85	61%	9.70	Yes	4	0	
	Plan(s)	R17	Residential	Bedroom	1.0	1.83	61%	9.50	Yes	7	0	
	Plan(s)	R18	Residential	LKD	1.5	0.61	24%	10.34	Yes	2	0	
	Plan(s)	R19	Residential	Bedroom	1.0	0.99	43%	9.60	Yes	6	0	
	Plan(s)	R20	Residential	Bedroom	1.0	1.22	79%	10.07	Yes	17	4	
	Plan(s)	R21	Residential	LKD	1.5	2.45	89%	Exempt: Dual Aspect	Yes	30	5	
	Plan(s)	R22	Residential	Studio	1.5	1.12	76%	Exempt: Dual Aspect	Yes	7	5	
	Plan(s)	R23	Residential	Bedroom	1.0	1.90	72%	Exempt: Dual Aspect	Yes	0	0	
	Plan(s)	R24	Residential	LKD	1.5	0.99	66%	Exempt: Dual Aspect	Yes	1	0	
	Plan(s)	R25	Residential	Bedroom	1.0	0.04	1%	11.65	Yes	0	0	
F02	Plan(s)	R1	Residential	Studio	1.5	1.54	71%	Exempt: Dual Aspect	Yes	12	0	
	Plan(s)	R2	Residential	Bedroom	1.0	0.41	57%	9.83	Yes	1	0	
	Plan(s)	R3	Residential	LKD	1.5	1.79	68%	Exempt: Dual Aspect	Yes	19	0	
	Plan(s)	R4	Residential	Bedroom	1.0	1.72	94%	9.41	Yes	13	0	
	Plan(s)	R5	Residential	Bedroom	1.0	0.71	56%	Exempt: Dual Aspect	Yes	0	0	
	Plan(s)	R6	Residential	LKD	1.5	1.75	62%	Exempt: Dual Aspect	Yes	10	0	
	Plan(s)	R7	Residential	Bedroom	1.0	1.52	67%	9.41	Yes	4	0	
	Plan(s)	R8	Residential	Bedroom	1.0	0.75	44%	Exempt: Dual Aspect	Yes	2	1	
	Plan(s)	R9	Residential	LKD	1.5	1.52	36%	Exempt: Dual Aspect	Yes	9	4	
	Plan(s)	R10	Residential	Bedroom	1.0	1.41	30%	9.40	Yes	4	2	
	Plan(s)	R11	Residential	Bedroom	1.0	0.64	39%	9.91	Yes	2	2	
	Plan(s)	R12	Residential	LKD	1.5	6.11	99%	Exempt: Dual Aspect	Yes	76	29	
	Plan(s)	R13	Residential	Bedroom	1.0	3.54	96%	11.20	Yes	51	20	
	Plan(s)	R14	Residential	Bedroom	1.0	1.66	97%	10.76	Yes	17	17	
	Plan(s)	R15	Residential	LKD	1.5	2.39	86%	Exempt: Dual Aspect	Yes	57	24	
	Plan(s)	R16	Residential	Bedroom	1.0	1.01	75%	10.10	Yes	8	8	
	Plan(s)	R17	Residential	LKD	1.5	1.59	81%	10.80	Yes	50	20	
	Plan(s)	R18	Residential	LKD	1.5	1.29	99%	10.08	Yes	9	9	

Orange or Red = Below guidelines (Orange = within 20% of guideline)

Grey APSH = not a main living room

Property & room attributes					Daylight/Sunlight (BRE 2011)						
Floor	Flat/Unit no.	Room ref.	Property type	Room use	ADF		NSL (% room)	Room depth criterion		APSH room	
					Target (%)	ADF (%)		Limit (current) (m)	Criterion met?	Annual (%)	Winter (%)
	Plan(s)	R19	Residential	Bedroom	1.0	3.00	85%	11.27	Yes	0	0
	Plan(s)	R20	Residential	Bedroom	1.0	1.74	54%	10.14	Yes	0	0
	Plan(s)	R21	Residential	Studio	1.5	1.65	73%	Exempt: Dual Aspect	Yes	5	0
	Plan(s)	R22	Residential	LKD	1.5	0.99	43%	10.47	Yes	3	0
	Plan(s)	R23	Residential	Bedroom	1.0	2.03	69%	9.70	Yes	6	0
	Plan(s)	R24	Residential	Bedroom	1.0	1.95	70%	9.50	Yes	9	0
	Plan(s)	R25	Residential	LKD	1.5	0.88	40%	10.34	Yes	3	0
	Plan(s)	R26	Residential	Bedroom	1.0	1.07	49%	9.60	Yes	5	0
	Plan(s)	R27	Residential	Bedroom	1.0	1.33	86%	10.07	Yes	18	4
	Plan(s)	R28	Residential	LKD	1.5	2.79	91%	Exempt: Dual Aspect	Yes	37	7
	Plan(s)	R29	Residential	Studio	1.5	1.37	85%	Exempt: Dual Aspect	Yes	12	7
	Plan(s)	R30	Residential	Bedroom	1.0	1.99	76%	Exempt: Dual Aspect	Yes	0	0
	Plan(s)	R31	Residential	LKD	1.5	1.11	70%	Exempt: Dual Aspect	Yes	1	0
	Plan(s)	R32	Residential	Bedroom	1.0	0.06	1%	11.65	Yes	0	0
F03	Plan(s)	R1	Residential	Studio	1.5	1.65	86%	Exempt: Dual Aspect	Yes	13	1
	Plan(s)	R2	Residential	Bedroom	1.0	0.70	93%	9.83	Yes	2	1
	Plan(s)	R3	Residential	LKD	1.5	1.95	85%	Exempt: Dual Aspect	Yes	22	0
	Plan(s)	R4	Residential	Bedroom	1.0	1.88	98%	9.41	Yes	16	0
	Plan(s)	R5	Residential	Bedroom	1.0	0.77	89%	Exempt: Dual Aspect	Yes	1	0
	Plan(s)	R6	Residential	LKD	1.5	1.94	77%	Exempt: Dual Aspect	Yes	16	0
	Plan(s)	R7	Residential	Bedroom	1.0	1.73	74%	9.41	Yes	8	0
	Plan(s)	R8	Residential	Bedroom	1.0	0.79	57%	Exempt: Dual Aspect	Yes	3	1
	Plan(s)	R9	Residential	LKD	1.5	1.75	39%	Exempt: Dual Aspect	Yes	12	4
	Plan(s)	R10	Residential	Bedroom	1.0	1.61	33%	9.40	Yes	6	2
	Plan(s)	R11	Residential	Bedroom	1.0	0.76	39%	9.91	Yes	2	2
	Plan(s)	R12	Residential	LKD	1.5	6.65	99%	Exempt: Dual Aspect	Yes	77	30
	Plan(s)	R13	Residential	Bedroom	1.0	3.82	97%	11.20	Yes	57	25
	Plan(s)	R14	Residential	Bedroom	1.0	1.89	97%	10.76	Yes	21	21
	Plan(s)	R15	Residential	LKD	1.5	2.55	98%	Exempt: Dual Aspect	Yes	63	29
	Plan(s)	R16	Residential	Bedroom	1.0	1.12	89%	10.10	Yes	9	9
	Plan(s)	R17	Residential	LKD	1.5	1.69	99%	10.80	Yes	56	24
	Plan(s)	R18	Residential	LKD	1.5	1.38	99%	10.08	Yes	11	11
	Plan(s)	R19	Residential	Bedroom	1.0	3.25	88%	11.27	Yes	0	0
	Plan(s)	R20	Residential	Bedroom	1.0	1.85	56%	10.14	Yes	0	0
	Plan(s)	R21	Residential	Studio	1.5	1.80	83%	Exempt: Dual Aspect	Yes	7	0
	Plan(s)	R22	Residential	LKD	1.5	1.15	53%	10.47	Yes	6	1
	Plan(s)	R23	Residential	Bedroom	1.0	2.15	78%	9.70	Yes	9	1
	Plan(s)	R24	Residential	Bedroom	1.0	2.08	77%	9.50	Yes	10	1
	Plan(s)	R25	Residential	LKD	1.5	1.04	52%	10.34	Yes	5	1
	Plan(s)	R26	Residential	Bedroom	1.0	1.14	55%	9.60	Yes	7	1
	Plan(s)	R27	Residential	Bedroom	1.0	1.46	85%	10.07	Yes	21	7
	Plan(s)	R28	Residential	LKD	1.5	3.09	91%	Exempt: Dual Aspect	Yes	42	8
	Plan(s)	R29	Residential	Studio	1.5	1.70	92%	Exempt: Dual Aspect	Yes	20	9
	Plan(s)	R30	Residential	Bedroom	1.0	2.09	79%	Exempt: Dual Aspect	Yes	1	0
	Plan(s)	R31	Residential	LKD	1.5	1.25	72%	Exempt: Dual Aspect	Yes	3	0

Orange or Red = Below guidelines (Orange = within 20% of guideline)

Grey APSH = not a main living room

Property & room attributes					Daylight/Sunlight (BRE 2011)						
Floor	Flat/Unit no.	Room ref.	Property type	Room use	ADF		NSL (% room)	Room depth criterion		APSH room	
					Target (%)	ADF (%)		Limit (current) (m)	Criterion met?	Annual (%)	Winter (%)
F04	Plan(s)	R32	Residential	Bedroom	1.0	0.13	2%	11.65	Yes	0	0
	Plan(s)	R1	Residential	Studio	1.5	1.76	92%	Exempt: Dual Aspect	Yes	13	1
	Plan(s)	R2	Residential	Bedroom	1.0	0.88	95%	9.83	Yes	2	1
	Plan(s)	R3	Residential	LKD	1.5	2.14	100%	Exempt: Dual Aspect	Yes	26	4
	Plan(s)	R4	Residential	Bedroom	1.0	2.06	98%	9.41	Yes	17	0
	Plan(s)	R5	Residential	Bedroom	1.0	0.85	96%	Exempt: Dual Aspect	Yes	2	0
	Plan(s)	R6	Residential	LKD	1.5	2.18	86%	Exempt: Dual Aspect	Yes	23	2
	Plan(s)	R7	Residential	Bedroom	1.0	1.97	81%	9.41	Yes	14	0
	Plan(s)	R8	Residential	Bedroom	1.0	0.85	69%	Exempt: Dual Aspect	Yes	4	1
	Plan(s)	R9	Residential	LKD	1.5	2.05	47%	Exempt: Dual Aspect	Yes	17	4
	Plan(s)	R10	Residential	Bedroom	1.0	1.87	42%	9.40	Yes	10	2
	Plan(s)	R11	Residential	Bedroom	1.0	0.78	39%	9.91	Yes	2	2
	Plan(s)	R12	Residential	LKD	1.5	7.14	99%	Exempt: Dual Aspect	Yes	68	27
	Plan(s)	R13	Residential	Bedroom	1.0	4.01	97%	11.20	Yes	57	25
	Plan(s)	R14	Residential	Bedroom	1.0	2.01	97%	10.76	Yes	19	19
	Plan(s)	R15	Residential	LKD	1.5	2.67	99%	Exempt: Dual Aspect	Yes	60	27
	Plan(s)	R16	Residential	Bedroom	1.0	1.22	89%	10.10	Yes	9	9
	Plan(s)	R17	Residential	LKD	1.5	1.75	99%	10.80	Yes	57	25
	Plan(s)	R18	Residential	LKD	1.5	1.44	99%	10.08	Yes	11	11
	Plan(s)	R19	Residential	Bedroom	1.0	3.48	91%	11.27	Yes	0	0
	Plan(s)	R20	Residential	Bedroom	1.0	1.98	60%	10.14	Yes	0	0
	Plan(s)	R21	Residential	Studio	1.5	1.93	86%	Exempt: Dual Aspect	Yes	6	0
	Plan(s)	R22	Residential	LKD	1.5	1.28	62%	10.47	Yes	8	2
	Plan(s)	R23	Residential	Bedroom	1.0	2.25	86%	9.70	Yes	10	2
	Plan(s)	R24	Residential	Bedroom	1.0	2.18	85%	9.50	Yes	13	2
	Plan(s)	R25	Residential	LKD	1.5	1.16	58%	10.34	Yes	7	3
	Plan(s)	R26	Residential	Bedroom	1.0	1.19	61%	9.60	Yes	8	2
	Plan(s)	R27	Residential	Bedroom	1.0	1.60	92%	10.07	Yes	23	8
	Plan(s)	R28	Residential	LKD	1.5	3.23	91%	Exempt: Dual Aspect	Yes	48	12
	Plan(s)	R29	Residential	Studio	1.5	1.80	97%	Exempt: Dual Aspect	Yes	18	6
	Plan(s)	R30	Residential	Bedroom	1.0	2.43	81%	Exempt: Dual Aspect	Yes	3	0
	Plan(s)	R31	Residential	LKD	1.5	1.51	78%	Exempt: Dual Aspect	Yes	4	0
	Plan(s)	R32	Residential	Bedroom	1.0	0.21	4%	11.65	Yes	0	0
F05	Measured	R1	Residential	Studio	1.5	1.84	93%	Exempt: Dual Aspect	Yes	15	3
	Measured	R2	Residential	Bedroom	1.0	0.88	97%	8.36	Yes	4	3
	Measured	R3	Residential	LKD	1.5	2.19	96%	Exempt: Dual Aspect	Yes	32	9
	Measured	R4	Residential	Bedroom	1.0	2.14	98%	7.93	Yes	23	3
	Measured	R5	Residential	Bedroom	1.0	0.98	95%	Exempt: Dual Aspect	Yes	3	1
	Measured	R6	Residential	LKD	1.5	2.26	94%	Exempt: Dual Aspect	Yes	33	6
	Measured	R7	Residential	Bedroom	1.0	2.16	91%	7.93	Yes	22	1
	Measured	R8	Residential	Bedroom	1.0	0.93	70%	Exempt: Dual Aspect	Yes	4	1
	Measured	R9	Residential	LKD	1.5	2.23	50%	Exempt: Dual Aspect	Yes	26	7
	Measured	R10	Residential	Bedroom	1.0	2.14	73%	7.93	Yes	19	3
	Measured	R11	Residential	Bedroom	1.0	0.73	42%	8.40	Yes	1	1
	Measured	R12	Residential	LKD	1.5	7.70	99%	Exempt: Dual Aspect	Yes	74	28

Orange or Red = Below guidelines (Orange = within 20% of guideline)

Grey APSH = not a main living room

Property & room attributes					Daylight/Sunlight (BRE 2011)						
Floor	Flat/Unit no.	Room ref.	Property type	Room use	ADF		NSL (% room)	Room depth criterion		APSH room	
					Target (%)	ADF (%)		Limit (current) (m)	Criterion met?	Annual (%)	Winter (%)
	Measured	R13	Residential	Bedroom	1.0	3.88	94%	9.40	Yes	70	28
	Measured	R14	Residential	Bedroom	1.0	1.66	92%	9.05	Yes	19	19
	Measured	R15	Residential	LKD	1.5	2.58	90%	Exempt: Dual Aspect	Yes	72	30
	Measured	R16	Residential	Bedroom	1.0	1.12	86%	8.56	Yes	7	7
	Measured	R17	Residential	LKD	1.5	1.79	93%	9.54	Yes	67	26
	Measured	R18	Residential	LKD	1.5	1.30	98%	8.88	Yes	12	12
	Measured	R19	Residential	Bedroom	1.0	3.58	93%	9.58	Yes	0	0
	Measured	R20	Residential	Bedroom	1.0	2.05	66%	8.42	Yes	0	0
	Measured	R21	Residential	Studio	1.5	2.01	87%	Exempt: Dual Aspect	Yes	7	0
	Measured	R22	Residential	LKD	1.5	1.35	66%	9.23	Yes	16	2
	Measured	R23	Residential	Bedroom	1.0	2.17	94%	8.22	Yes	16	4
	Measured	R24	Residential	Bedroom	1.0	2.14	94%	8.01	Yes	21	4
	Measured	R25	Residential	LKD	1.5	1.22	62%	9.07	Yes	16	6
	Measured	R26	Residential	Bedroom	1.0	1.19	69%	8.29	Yes	16	4
	Measured	R27	Residential	Bedroom	1.0	1.64	95%	8.63	Yes	35	13
	Measured	R28	Residential	LKD	1.5	3.36	100%	Exempt: Dual Aspect	Yes	55	19
	Measured	R29	Residential	Studio	1.5	1.98	100%	Exempt: Dual Aspect	Yes	24	8
	Measured	R30	Residential	Bedroom	1.0	2.97	84%	Exempt: Dual Aspect	Yes	22	1
	Measured	R31	Residential	LKD	1.5	2.07	89%	Exempt: Dual Aspect	Yes	10	0
	Measured	R32	Residential	Bedroom	1.0	0.59	6%	9.57	Yes	0	0
F06	Measured	R1	Residential	Studio	1.5	2.01	93%	Exempt: Dual Aspect	Yes	17	5
	Measured	R2	Residential	Bedroom	1.0	1.04	97%	8.36	Yes	5	4
	Measured	R3	Residential	LKD	1.5	2.37	97%	Exempt: Dual Aspect	Yes	34	11
	Measured	R4	Residential	Bedroom	1.0	2.33	98%	7.93	Yes	25	5
	Measured	R5	Residential	Bedroom	1.0	1.14	97%	Exempt: Dual Aspect	Yes	7	4
	Measured	R6	Residential	LKD	1.5	2.54	96%	Exempt: Dual Aspect	Yes	37	10
	Measured	R7	Residential	Bedroom	1.0	2.46	98%	7.93	Yes	28	4
	Measured	R8	Residential	Bedroom	1.0	3.07	99%	Exempt: Dual Aspect	Yes	16	2
	Measured	R9	Residential	LKD	1.5	3.28	97%	Exempt: Dual Aspect	Yes	42	12
	Measured	R10	Residential	Bedroom	1.0	4.05	99%	8.06	Yes	37	9
	Measured	R11	Residential	Bedroom	1.0	1.26	99%	8.40	Yes	5	2
	Measured	R12	Residential	LKD	1.5	10.76	100%	Exempt: Dual Aspect	Yes	87	30
	Measured	R13	Residential	Bedroom	1.0	4.26	98%	9.61	Yes	69	27
	Measured	R14	Residential	Bedroom	1.0	2.71	93%	9.05	Yes	45	20
	Measured	R15	Residential	LKD	1.5	4.12	95%	Exempt: Dual Aspect	Yes	80	30
	Measured	R16	Residential	Bedroom	1.0	1.29	88%	8.56	Yes	11	11
	Measured	R17	Residential	LKD	1.5	2.84	95%	Exempt: Dual Aspect	Yes	76	28
	Measured	R18	Residential	LKD	1.5	1.54	99%	8.88	Yes	18	18
	Measured	R19	Residential	Bedroom	1.0	3.33	96%	9.77	Yes	0	0
	Measured	R20	Residential	Bedroom	1.0	3.78	87%	8.57	Yes	0	0
	Measured	R21	Residential	Studio	1.5	3.94	93%	Exempt: Dual Aspect	Yes	22	0
	Measured	R22	Residential	LKD	1.5	3.49	86%	9.41	Yes	32	6
	Measured	R23	Residential	Bedroom	1.0	5.70	100%	8.36	Yes	33	8
	Measured	R24	Residential	Bedroom	1.0	2.33	97%	8.01	Yes	23	4
	Measured	R25	Residential	LKD	1.5	2.07	74%	9.07	Yes	30	6

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Grey APSH = not a main living room

Property & room attributes					Daylight/Sunlight (BRE 2011)						
Floor	Flat/Unit no.	Room ref.	Property type	Room use	ADF		NSL (% room)	Room depth criterion		APSH room	
					Target (%)	ADF (%)		Limit (current) (m)	Criterion met?	Annual (%)	Winter (%)
	Measured	R26	Residential	Bedroom	1.0	1.34	81%	8.29	Yes	24	4
	Measured	R27	Residential	Bedroom	1.0	2.06	94%	8.67	Yes	36	15
	Measured	R28	Residential	LKD	1.5	3.58	96%	Exempt: Dual Aspect	Yes	59	21
	Measured	R29	Residential	Bedroom	1.0	1.89	99%	8.55	Yes	14	8
	Measured	R30	Residential	Bedroom	1.0	2.62	70%	Exempt: Dual Aspect	Yes	23	1
	Measured	R31	Residential	LKD	1.5	2.36	90%	Exempt: Dual Aspect	Yes	11	0
	Measured	R32	Residential	Bedroom	1.0	0.71	8%	9.83	Yes	0	0
F07	Measured	R1	Residential	Studio	1.5	2.17	93%	Exempt: Dual Aspect	Yes	17	5
	Measured	R2	Residential	Bedroom	1.0	1.17	98%	8.36	Yes	5	4
	Measured	R3	Residential	LKD	1.5	2.53	97%	Exempt: Dual Aspect	Yes	35	12
	Measured	R4	Residential	Bedroom	1.0	2.50	98%	7.93	Yes	28	7
	Measured	R5	Residential	Bedroom	1.0	1.33	98%	Exempt: Dual Aspect	Yes	8	4
	Measured	R6	Residential	LKD	1.5	6.28	100%	Exempt: Dual Aspect	Yes	86	29
	Measured	R7	Residential	Bedroom	1.0	2.93	93%	9.59	Yes	53	22
	Measured	R8	Residential	Bedroom	1.0	2.27	97%	7.27	Yes	31	13
	Measured	R9	Residential	LKD	1.5	7.00	100%	Exempt: Dual Aspect	Yes	69	24
	Measured	R10	Residential	Bedroom	1.0	1.80	95%	8.42	Yes	24	4
	Measured	R11	Residential	Bedroom	1.0	2.15	95%	8.67	Yes	36	14
	Measured	R12	Residential	LKD	1.5	3.77	96%	Exempt: Dual Aspect	Yes	65	23
	Measured	R13	Residential	Bedroom	1.0	1.95	99%	8.55	Yes	15	8
	Measured	R14	Residential	Bedroom	1.0	2.72	71%	Exempt: Dual Aspect	Yes	24	1
	Measured	R15	Residential	LKD	1.5	2.68	94%	Exempt: Dual Aspect	Yes	14	1
	Measured	R16	Residential	Bedroom	1.0	0.92	13%	9.83	Yes	1	0
F08	Measured	R1	Residential	Studio	1.5	2.36	94%	Exempt: Dual Aspect	Yes	17	5
	Measured	R2	Residential	Bedroom	1.0	1.22	97%	8.36	Yes	4	3
	Measured	R3	Residential	LKD	1.5	2.62	97%	Exempt: Dual Aspect	Yes	35	12
	Measured	R4	Residential	Bedroom	1.0	2.55	98%	7.93	Yes	29	7
	Measured	R5	Residential	Bedroom	1.0	1.15	84%	Exempt: Dual Aspect	Yes	8	4
	Measured	R6	Residential	Bedroom	1.0	5.44	99%	Exempt: Dual Aspect	Yes	39	12
	Measured	R7	Residential	Bedroom	1.0	10.52	99%	Exempt: Dual Aspect	Yes	88	30
	Measured	R8	Residential	LKD	1.5	6.32	100%	Exempt: Dual Aspect	Yes	82	28
	Measured	R9	Residential	Bedroom	1.0	2.31	97%	7.27	Yes	30	13
	Measured	R10	Residential	LKD	1.5	5.34	100%	Exempt: Dual Aspect	Yes	64	21
	Measured	R11	Residential	Bedroom	1.0	1.84	95%	8.22	Yes	22	3
	Measured	R12	Residential	Bedroom	1.0	1.88	97%	8.21	Yes	34	14
	Measured	R13	Residential	LKD	1.5	4.39	100%	Exempt: Dual Aspect	Yes	65	23
	Measured	R14	Residential	Bedroom	1.0	2.05	99%	8.63	Yes	16	9
	Measured	R15	Residential	Bedroom	1.0	3.33	94%	Exempt: Dual Aspect	Yes	22	2
	Measured	R16	Residential	Bedroom	1.0	3.26	89%	Exempt: Dual Aspect	Yes	25	2
	Measured	R17	Residential	LKD	1.5	3.00	97%	Exempt: Dual Aspect	Yes	16	1
	Measured	R18	Residential	Bedroom	1.0	1.13	24%	9.57	Yes	2	0
F09	Measured	R1	Residential	Studio	1.5	2.72	99%	Exempt: Dual Aspect	Yes	23	7
	Measured	R2	Residential	Bedroom	1.0	1.41	99%	8.35	Yes	4	3
	Measured	R3	Residential	LKD	1.5	3.82	97%	Exempt: Dual Aspect	Yes	39	12
	Measured	R4	Residential	Bedroom	1.0	5.24	99%	8.79	Yes	40	12

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Property & room attributes					Daylight/Sunlight (BRE 2011)						
Floor	Flat/Unit no.	Room ref.	Property type	Room use	ADF		NSL (% room)	Room depth criterion		APSH room	
					Target (%)	ADF (%)		Limit (current) (m)	Criterion met?	Annual (%)	Winter (%)
	Measured	R5	Residential	Bedroom	1.0	1.25	90%	Exempt: Dual Aspect	Yes	8	4
	Measured	R6	Residential	Bedroom	1.0	8.10	99%	Exempt: Dual Aspect	Yes	46	14
	Measured	R7	Residential	Bedroom	1.0	18.95	100%	Exempt: Dual Aspect	Yes	90	30
	Measured	R8	Residential	LKD	1.5	11.13	100%	Exempt: Dual Aspect	Yes	83	28
	Measured	R9	Residential	Bedroom	1.0	3.51	95%	7.99	Yes	37	14
	Measured	R10	Residential	LKD	1.5	7.97	100%	Exempt: Dual Aspect	Yes	68	22
	Measured	R11	Residential	Bedroom	1.0	1.44	89%	9.16	Yes	23	3
	Measured	R12	Residential	Bedroom	1.0	2.66	99%	9.15	Yes	45	16
	Measured	R13	Residential	LKD	1.5	3.90	100%	Exempt: Dual Aspect	Yes	68	20
	Measured	R14	Residential	Bedroom	1.0	1.13	84%	9.56	Yes	7	6
	Measured	R15	Residential	Bedroom	1.0	4.49	95%	Exempt: Dual Aspect	Yes	31	5
	Measured	R16	Residential	Bedroom	1.0	4.74	94%	Exempt: Dual Aspect	Yes	30	4
	Measured	R17	Residential	LKD	1.5	3.56	97%	Exempt: Dual Aspect	Yes	22	2
	Measured	R18	Residential	Bedroom	1.0	2.34	60%	10.87	Yes	11	2
F10	Measured	R1	Residential	Studio	1.5	2.62	100%	Exempt: Dual Aspect	Yes	28	7
	Measured	R2	Residential	Bedroom	1.0	1.53	99%	8.35	Yes	5	3
	Measured	R3	Residential	LKD	1.5	3.19	97%	Exempt: Dual Aspect	Yes	41	12
	Measured	R4	Residential	Bedroom	1.0	4.24	99%	7.98	Yes	41	12
	Measured	R5	Residential	Bedroom	1.0	1.26	93%	Exempt: Dual Aspect	Yes	8	4
	Measured	R6	Residential	Bedroom	1.0	6.68	99%	Exempt: Dual Aspect	Yes	46	14
	Measured	R7	Residential	Bedroom	1.0	14.85	100%	Exempt: Dual Aspect	Yes	90	30
	Measured	R8	Residential	LKD	1.5	9.23	100%	Exempt: Dual Aspect	Yes	83	28
	Measured	R9	Residential	Bedroom	1.0	2.73	96%	7.31	Yes	39	14
	Measured	R10	Residential	LKD	1.5	6.94	100%	Exempt: Dual Aspect	Yes	75	23
	Measured	R11	Residential	Bedroom	1.0	1.22	89%	8.27	Yes	23	3
	Measured	R12	Residential	Bedroom	1.0	2.25	99%	8.27	Yes	51	17
	Measured	R13	Residential	LKD	1.5	3.72	100%	Exempt: Dual Aspect	Yes	73	22
	Measured	R14	Residential	Bedroom	1.0	1.91	87%	8.69	Yes	39	14
	Measured	R15	Residential	Bedroom	1.0	3.17	95%	9.62	Yes	32	6
	Measured	R16	Residential	Bedroom	1.0	4.81	95%	Exempt: Dual Aspect	Yes	31	5
	Measured	R17	Residential	LKD	1.5	5.11	99%	Exempt: Dual Aspect	Yes	42	5
	Measured	R18	Residential	Bedroom	1.0	2.37	87%	9.64	Yes	19	2

Property, room & window attributes				VSC				Mean VSC (room)				NSL				APSH (room)							
Floor	Room	Room use	Window Ref./Orientation	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% rm)	Prop. (% rm)	Loss (m ²)	Pro./Ex. ratio	Annual (%APSH)				Winter (%APSH)			
																	Exis.	Prop.	Loss	Pro./Ex.	Exis.	Prop.	Pro./Ex.
Note: Red = outside BRE guidelines; Blue = gain in light																							
Block E																							
F00	R1	LKD	W1 →	0.0	0.0	0.0	N/A																
		LKD	W2 ↑	3.6	3.6	0.0	1.00	1.9	1.9	0.0	1.00	3%	3%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R2	Bedroom	W3 ↑	5.1	5.0	0.1	0.98	5.1	5.0	0.1	0.98	10%	11%	-0.03	1.03		North	North	N/A	N/A	North	North	N/A
	R3	Bedroom	W4 ↑	5.0	4.8	0.2	0.96	5.0	4.8	0.2	0.96	9%	9%	-0.03	1.04		North	North	N/A	N/A	North	North	N/A
	R4	LKD	W5 ↑	4.8	4.5	0.3	0.94	4.8	4.5	0.3	0.94	5%	5%	-0.01	1.01		North	North	N/A	N/A	North	North	N/A
	R5	LKD	W6 ↑	2.8	2.8	0.0	1.00	2.8	2.8	0.0	1.00	7%	7%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R6	Bedroom	W7 ↑	3.3	3.1	0.2	0.94	3.3	3.1	0.2	0.94	4%	4%	-0.01	1.02		North	North	N/A	N/A	North	North	N/A
	R7	Bedroom	W8 →	7.4	5.8	1.6	0.78	7.4	5.8	1.6	0.78	65%	43%	2.06	0.66		North	North	N/A	N/A	North	North	N/A
	R8	LKD	W9 →	8.8	6.7	2.1	0.76	8.8	6.7	2.1	0.76	72%	29%	11.29	0.41		North	North	N/A	N/A	North	North	N/A
	R9	LKD	W10 →	9.9	7.8	2.1	0.79	9.9	7.8	2.1	0.79	73%	39%	8.72	0.53		North	North	N/A	N/A	North	North	N/A
	R10	Bedroom	W11 →	10.4	8.2	2.2	0.79	10.4	8.2	2.2	0.79	72%	60%	1.16	0.83		North	North	N/A	N/A	North	North	N/A
	R11	LKD	W12 →	10.1	8.0	2.1	0.79	10.1	8.0	2.1	0.79	61%	36%	7.79	0.58		North	North	N/A	N/A	North	North	N/A
	R12	LKD	W13 ↓	7.8	7.3	0.5	0.94	7.8	7.3	0.5	0.94	14%	13%	0.16	0.96		12	12	0	1.00	0	0	N/A
	R13	Bedroom	W14 ↓	9.0	8.3	0.7	0.92	9.0	8.3	0.7	0.92	27%	27%	0.00	1.00		14	14	0	1.00	0	0	N/A
	R14	Bedroom	W15 ↓	9.9	9.1	0.8	0.92	9.9	9.1	0.8	0.92	26%	26%	0.02	0.99		15	15	0	1.00	0	0	N/A
	R15	LKD	W16 ↓	10.5	9.7	0.8	0.92	10.5	9.7	0.8	0.92	15%	15%	0.05	0.99		21	20	1	0.95	0	0	N/A
	R16	Bedroom	W17 ↓	10.2	10.0	0.2	0.98	10.2	10.0	0.2	0.98	28%	28%	0.03	0.99		18	18	0	1.00	0	0	N/A
	R17	LKD	W18 →	5.9	5.9	0.0	1.00	5.9	5.9	0.0	1.00	25%	25%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R18	Bedroom	W19 →	5.4	5.4	0.0	1.00	5.4	5.4	0.0	1.00	44%	44%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R19	Bedroom	W20 ↓	3.3	3.3	0.0	1.00	3.3	3.3	0.0	1.00	7%	7%	0.00	1.00		0	0	0	N/A	0	0	N/A
	R20	LKD	W21 ↓	3.6	3.6	0.0	1.00	3.6	3.6	0.0	1.00	5%	5%	0.00	1.00		1	1	0	1.00	0	0	N/A
	R21	Bedroom	W22 ↓	4.1	4.1	0.0	1.00	4.1	4.1	0.0	1.00	8%	8%	0.00	1.00		0	0	0	N/A	0	0	N/A
	R22	LKD	W23 ↓	4.3	4.3	0.0	1.00	4.3	4.3	0.0	1.00	6%	6%	0.00	1.00		0	0	0	N/A	0	0	N/A
	R23	Bedroom	W24 ↓	4.5	4.5	0.0	1.00	4.5	4.5	0.0	1.00	11%	11%	0.00	1.00		1	1	0	1.00	0	0	N/A
	R24	LKD	W25 ↓	4.1	4.1	0.0	1.00	4.1	4.1	0.0	1.00	8%	8%	0.00	1.00		2	2	0	1.00	0	0	N/A
	R25	Bedroom	W26 ↓	2.8	2.8	0.0	1.00	2.8	2.8	0.0	1.00	8%	8%	0.00	1.00		1	1	0	1.00	0	0	N/A
F01	R1	Bedroom	W1 ↑	9.0	7.8	1.2	0.87	9.0	7.8	1.2	0.87	28%	27%	0.05	0.98		North	North	N/A	N/A	North	North	N/A
	R2	LKD	W2 ↑	8.1	7.2	0.9	0.89	8.1	7.2	0.9	0.89	15%	15%	0.18	0.96		North	North	N/A	N/A	North	North	N/A
	R3	Bedroom	W3 ↑	6.1	5.3	0.8	0.87	6.1	5.3	0.8	0.87	19%	19%	-0.02	1.01		North	North	N/A	N/A	North	North	N/A
	R4	LKD	W4 →	9.7	5.8	3.9	0.60																
		LKD	W5 ↑	7.2	6.7	0.5	0.93	8.3	6.3	2.0	0.76	27%	16%	2.15	0.59		North	North	N/A	N/A	North	North	N/A
	R5	Bedroom	W6 ↑	6.9	6.4	0.5	0.93	6.9	6.4	0.5	0.93	14%	14%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R6	Bedroom	W7 ↑	6.5	6.2	0.3	0.95	6.5	6.2	0.3	0.95	12%	12%	-0.02	1.02		North	North	N/A	N/A	North	North	N/A
	R7	LKD	W8 ↑	6.1	5.8	0.3	0.95	6.1	5.8	0.3	0.95	7%	7%	-0.02	1.02		North	North	N/A	N/A	North	North	N/A
	R8	LKD	W9 ↑	3.8	3.8	0.0	1.00	3.8	3.8	0.0	1.00	10%	10%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R9	Bedroom	W10 ↑	4.0	3.9	0.1	0.98	4.0	3.9	0.1	0.98	8%	8%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R10	Bedroom	W11 →	8.2	6.7	1.5	0.82	8.2	6.7	1.5	0.82	70%	55%	1.31	0.80		North	North	N/A	N/A	North	North	N/A
	R11	LKD	W12 →	9.9	8.0	1.9	0.81	9.9	8.0	1.9	0.81	84%	37%	12.28	0.45		North	North	N/A	N/A	North	North	N/A
	R12	LKD	W13 →	11.4	9.5	1.9	0.83	11.4	9.5	1.9	0.83	84%	47%	9.50	0.56		North	North	N/A	N/A	North	North	N/A
	R13	Bedroom	W14 →	12.0	10.0	2.0	0.83	12.0	10.0	2.0	0.83	74%	67%	0.71	0.90		North	North	N/A	N/A	North	North	N/A
	R14	LKD	W15 →	11.6	9.6	2.0	0.83	11.6	9.6	2.0	0.83	76%	43%	8.67	0.57		North	North	N/A	N/A	North	North	N/A
	R15	Bedroom	W16 →	10.5	8.7	1.8	0.83	10.5	8.7	1.8	0.83	71%	61%	1.00	0.85		North	North	N/A	N/A	North	North	N/A
	R16	Bedroom	W17 ↓	8.9	8.4	0.5	0.94	8.9	8.4	0.5	0.94	36%	36%	0.00	1.00		16	16	0	1.00	0	0	N/A
	R17	LKD	W18 ↓	11.1	10.6	0.5	0.95	11.1	10.6	0.5	0.95	21%	21%	0.01	1.00		22	22	0	1.00	0	0	N/A
	R18	Bedroom	W19 ↓	12.8	12.1	0.7	0.95	12.8	12.1	0.7	0.95	41%	41%	0.00	1.00		22	22	0	1.00	0	0	N/A
	R19	Bedroom	W20 ↓	13.7	13.1	0.6	0.96	13.7	13.1	0.6	0.96	44%	44%	0.01	1.00		23	23	0	1.00	0	0	N/A
	R20	LKD	W21 ↓	13.6	13.4	0.2	0.99	13.6	13.4	0.2	0.99	23%	23%	0.00	1.00		29	29	0	N/A	0	0	N/A
	R21	Bedroom	W22 ↓	9.9	9.9	0.0	1.00	9.9	9.9	0.0	1.00	42%	42%	0.00	1.00		17	17	0	1.00	0	0	N/A
	R22	LKD	W23 ↓	15.3	13.9	1.4	0.91	15.3	13.9	1.4	0.91	23%	23%	0.04	0.99		28	28	0	N/A	0	0	N/A
	R23	Bedroom	W24 ↓	15.7	14.2	1.5	0.90	15.7	14.2	1.5	0.90	43%	42%	0.03	0.99		24	24	0	1.00	0	0	N/A
	R24	LKD	W25 →	6.9	6.9	0.0	1.00	6.9	6.9	0.0	1.00	30%	30%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R25	Bedroom	W26 →	6.2	6.2	0.0	1.00	6.2	6.2	0.0	1.00	55%	55%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R26	Bedroom	W27 ↓	4.0	4.0	0.0	1.00	4.0	4.0	0.0	1.00	10%	10%	0.00	1.00		2	2	0	1.00	0	0	N/A
	R27	LKD	W28 ↓	4.4	4.4	0.0	1.00	4.4	4.4	0.0	1.00	7%	7%	0.00	1.00		5	5	0	1.00	0	0	N/A
	R28	Bedroom	W29 ↓	5.0	5.0	0.0	1.00	5.0	5.0	0.0	1.00	11%	11%	0.00	1.00		4	4	0	1.00	0	0	N/A
	R29	LKD	W30 ↓	5.3	5.3	0.0	1.00	5.3	5.3	0.0	1.00	7%	7%	0.00	1.00		5	5	0	1.00	0	0	N/A
	R30	Bedroom	W31 ↓	5.7	5.7	0.0	1.00	5.7	5.7	0.0	1.00	13%	13%	0.00	1.00		6	6	0	1.00	0	0	N/A
	R31	LKD	W32 ↓	5.4	5.4	0.0	1.00	5															

Property, room & window attributes				VSC				Mean VSC (room)				NSL				APSH (room)							
Floor	Room	Room use	Window Ref./Orientation	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% m)	Prop. (% m)	Loss (m ²)	Pro./Ex. ratio	Annual (%APSH)				Winter (%APSH)			
																	Exis.	Prop.	Loss	Pro./Ex.	Exis.	Prop.	Pro./Ex.
	R5	Bedroom	W6 ↑	8.2	7.8	0.4	0.95	8.2	7.8	0.4	0.95	18%	18%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R6	Bedroom	W7 ↑	7.9	7.6	0.3	0.96	7.9	7.6	0.3	0.96	16%	16%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R7	LKD	W8 ↑	7.4	7.2	0.2	0.97	7.4	7.2	0.2	0.97	8%	8%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R8	LKD	W9 ↑	4.9	4.9	0.0	1.00	4.9	4.9	0.0	1.00	12%	12%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R9	Bedroom	W10 ↑	4.8	4.7	0.1	0.98	4.8	4.7	0.1	0.98	10%	10%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R10	Bedroom	W11 →	8.9	7.5	1.4	0.84	8.9	7.5	1.4	0.84	72%	66%	0.53	0.92		North	North	N/A	N/A	North	North	N/A
	R11	LKD	W12 →	10.5	8.8	1.7	0.84	10.5	8.8	1.7	0.84	91%	46%	11.91	0.50		North	North	N/A	N/A	North	North	N/A
	R12	LKD	W13 →	12.3	10.5	1.8	0.85	12.3	10.5	1.8	0.85	92%	54%	9.69	0.59		North	North	N/A	N/A	North	North	N/A
	R13	Bedroom	W14 →	13.8	11.9	1.9	0.86	13.8	11.9	1.9	0.86	76%	74%	0.22	0.97		North	North	N/A	N/A	North	North	N/A
	R14	LKD	W15 →	12.4	10.5	1.9	0.85	12.4	10.5	1.9	0.85	82%	48%	8.71	0.59		North	North	N/A	N/A	North	North	N/A
	R15	Bedroom	W16 →	11.5	9.9	1.6	0.86	11.5	9.9	1.6	0.86	72%	66%	0.52	0.92		North	North	N/A	N/A	North	North	N/A
	R16	Bedroom	W17 ↓	10.9	10.5	0.4	0.96	10.9	10.5	0.4	0.96	49%	49%	0.00	1.00		12	12	0	1.00	0	0	N/A
	R17	LKD	W18 ↓	13.6	13.0	0.6	0.96	13.6	13.0	0.6	0.96	28%	28%	0.01	1.00		26	26	0	N/A	0	0	N/A
	R18	Bedroom	W19 ↓	16.0	15.4	0.6	0.96	16.0	15.4	0.6	0.96	57%	57%	0.00	1.00		20	20	0	1.00	2	2	N/A*
	R19	Bedroom	W20 ↓	17.2	16.6	0.6	0.97	17.2	16.6	0.6	0.97	59%	59%	0.00	1.00		20	20	0	1.00	1	1	N/A*
	R20	LKD	W21 ↓	16.7	16.5	0.2	0.99	16.7	16.5	0.2	0.99	30%	30%	0.00	1.00		35	35	0	N/A	2	2	N/A*
	R21	Bedroom	W22 ↓	12.8	12.8	0.0	1.00	12.8	12.8	0.0	1.00	56%	56%	0.00	1.00		15	15	0	1.00	3	3	N/A*
	R22	LKD	W23 ↓	18.6	17.3	1.3	0.93	18.6	17.3	1.3	0.93	31%	30%	0.02	1.00		35	35	0	N/A	1	1	N/A*
	R23	Bedroom	W24 ↓	19.5	18.0	1.5	0.92	19.5	18.0	1.5	0.92	57%	57%	0.01	1.00		19	19	0	1.00	0	0	N/A
	R24	Studio	W25 ↓	19.2	17.6	1.6	0.92																
		Studio	W26 ↓	7.1	4.8	2.3	0.68	9.5	7.4	2.1	0.78	48%	41%	1.62	0.87		26	20	6	0.77	3	3	1.00
	R25	Bedroom	W27 ↓	20.8	17.3	3.5	0.83	20.8	17.3	3.5	0.83	76%	72%	0.46	0.94		32	27	N/A	N/A	3	3	1.00
	R26	LKD	W28 ↓	8.8	6.3	2.5	0.72																
		LKD	W29 →	12.8	5.4	7.4	0.42																
		LKD	W30 →	10.2	5.8	4.4	0.57	10.2	5.9	4.3	0.58	89%	69%	4.56	0.78		31	9	22	0.29	7	6	N/A
	R27	Bedroom	W31 →	8.1	5.7	2.4	0.70	8.1	5.7	2.4	0.70	17%	19%	-0.22	1.14		North	North	N/A	N/A	North	North	N/A
	R28	Bedroom	W32 →	7.2	5.6	1.6	0.78	7.2	5.6	1.6	0.78	17%	13%	0.40	0.74		North	North	N/A	N/A	North	North	N/A
	R29	LKD	W33 →	6.5	5.6	0.9	0.86																
		LKD	W34 →	6.1	5.6	0.5	0.92																
		LKD	W35 ↑	9.8	9.8	0.0	1.00	8.0	7.6	0.4	0.95	67%	67%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R30	LKD	W36 →	7.8	7.8	0.0	1.00	7.8	7.8	0.0	1.00	35%	35%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R31	Bedroom	W37 →	7.0	7.0	0.0	1.00	7.0	7.0	0.0	1.00	64%	64%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R32	Bedroom	W38 ↓	4.6	4.6	0.0	1.00	4.6	4.6	0.0	1.00	13%	13%	0.00	1.00		5	5	0	1.00	0	0	N/A
	R33	LKD	W39 ↓	5.2	5.2	0.0	1.00	5.2	5.2	0.0	1.00	8%	8%	0.00	1.00		7	7	0	1.00	0	0	N/A
	R34	Bedroom	W40 ↓	5.9	5.9	0.0	1.00	5.9	5.9	0.0	1.00	14%	14%	0.00	1.00		6	6	0	1.00	0	0	N/A
	R35	LKD	W41 ↓	6.3	6.3	0.0	1.00	6.3	6.3	0.0	1.00	8%	8%	0.00	1.00		7	7	0	1.00	0	0	N/A
	R36	Bedroom	W42 ↓	6.7	6.7	0.0	1.00	6.7	6.7	0.0	1.00	16%	16%	0.00	1.00		8	8	0	1.00	0	0	N/A
	R37	LKD	W43 ↓	6.4	6.4	0.0	1.00	6.4	6.4	0.0	1.00	10%	10%	0.00	1.00		9	9	0	1.00	0	0	N/A
	R38	Bedroom	W44 ↓	4.5	4.5	0.0	1.00	4.5	4.5	0.0	1.00	14%	14%	0.00	1.00		8	8	0	1.00	0	0	N/A
	R39	Bedroom	W45 ↓	7.2	7.3	-0.1	1.01	7.2	7.3	-0.1	1.01	19%	19%	-0.09	1.05		8	8	0	1.00	0	0	N/A
	R40	LKD	W46 ↓	7.4	7.5	-0.1	1.01	7.4	7.5	-0.1	1.01	11%	13%	-0.37	1.13		13	13	0	1.00	0	0	N/A
	R41	Bedroom	W47 ↓	7.8	8.0	-0.2	1.03	7.8	8.0	-0.2	1.03	23%	26%	-0.29	1.13		12	13	-1	1.08	0	0	N/A
	R42	Bedroom	W48 ↓	8.9	8.7	0.2	0.98	8.9	8.7	0.2	0.98	52%	38%	1.40	0.74		14	14	0	1.00	1	1	N/A*
	R43	LKD	W49 ↓	10.6	10.3	0.3	0.97																
		LKD	W50 →	6.2	6.2	0.0	1.00																
		LKD	W51 →	6.4	6.5	-0.1	1.02	8.3	8.1	0.2	0.98	66%	61%	1.16	0.93		20	20	0	1.00	3	2	N/A*
	R44	Bedroom	W52 →	7.0	7.0	0.0	1.00	7.0	7.0	0.0	1.00	24%	24%	0.00	1.00		North	North	N/A	N/A	North	North	N/A
	R45	LKD	W53 ↓	34.0	33.9	N/A	N/A																
		LKD	W54 →	21.4	17.5	3.9	0.82	29.6	28.1	N/A	N/A	99%	98%	0.30	0.99		76	75	N/A	N/A	27	27	N/A
	R46	Bedroom	W55 →	13.8	10.9	2.9	0.79	13.8	10.9	2.9	0.79	43%	28%	1.36	0.65		North	North	N/A	N/A	North	North	N/A
	R47	Bedroom	W56 →	12.3	9.2	3.1	0.75	12.3	9.2	3.1	0.75	42%	20%	2.02	0.47		North	North	N/A	N/A	North	North	N/A
	R48	LKD	W57 →	14.8	7.6	7.2	0.51																
		LKD	W58 ↑	3.3	2.0	1.3	0.61	7.4	4.0	3.4	0.54	85%	58%	6.17	0.68		North	North	N/A	N/A	North	North	N/A
	R49	Bedroom	W59 ↑	11.1	9.8	1.3	0.88	11.1	9.8	1.3	0.88	41%	40%	0.09	0.98		North	North	N/A	N/A	North	North	N/A
F03	R1	Bedroom	W1 ↑	12.0	10.9	1.1	0.91	12.0	10.9	1.1	0.91	35%	34%	0.05	0.99		North	North	N/A	N/A	North	North	N/A
	R2	LKD	W2 ↑	10.9	10.0	0.9	0.92	10.9	10.0	0.9	0.92	20%	19%	0.04	0.99		North	North	N/A	N/A	North	North	N/A
	R3	Bedroom	W3 ↑	8.2	7.5	0.7	0.91	8.2	7.5	0.7	0.91	27%	27%	0.05	0.98		North	North	N/A	N/A	North	North	N/A
	R4	LKD	W4 →	11.9	8.2	3.7	0.69																
		LKD	W5 ↑	10.1	9.6	0.																	

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Property, room & window attributes				VSC				Mean VSC (room)				NSL				APSH (room)								
Floor	Room	Room use	Window Ref./Orientation	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% mm)	Prop. (% mm)	Loss (m ²)	Pro./Ex. ratio	Annual (%APSH)				Winter (%APSH)				
																	Exis.	Prop.	Loss	Pro./Ex.	Exis.	Prop.	Pro./Ex.	
		LKD	W36	↑	2.5	2.5	0.0	1.00	5.5	5.2	0.3	0.95	66%	66%	0.03	1.00	North	North	N/A	N/A	North	North	N/A	
	R30	LKD	W37	→	10.0	10.0	0.0	1.00	10.0	10.0	0.0	1.00	47%	47%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R31	Bedroom	W38	→	8.7	8.7	0.0	1.00	8.7	8.7	0.0	1.00	78%	78%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R32	Bedroom	W39	↓	6.3	6.3	0.0	1.00	6.3	6.3	0.0	1.00	20%	20%	0.00	1.00	4	4	0	1.00	0	0	N/A	
	R33	LKD	W40	↓	7.1	7.1	0.0	1.00	7.1	7.1	0.0	1.00	11%	11%	0.00	1.00	12	12	0	1.00	0	0	N/A	
	R34	Bedroom	W41	↓	8.4	8.4	0.0	1.00	8.4	8.4	0.0	1.00	21%	21%	0.00	1.00	6	6	0	1.00	0	0	N/A	
	R35	LKD	W42	↓	8.9	8.9	0.0	1.00	8.9	8.9	0.0	1.00	13%	13%	0.00	1.00	14	14	0	1.00	0	0	N/A	
	R36	Bedroom	W43	↓	9.5	9.5	0.0	1.00	9.5	9.5	0.0	1.00	25%	25%	0.00	1.00	8	8	0	1.00	0	0	N/A	
	R37	LKD	W44	↓	9.1	9.1	0.0	1.00	9.1	9.1	0.0	1.00	15%	15%	0.00	1.00	20	20	0	1.00	0	0	N/A	
	R38	Bedroom	W45	↓	6.7	6.7	0.0	1.00	6.7	6.7	0.0	1.00	25%	25%	0.00	1.00	6	6	0	1.00	0	0	N/A	
	R39	Bedroom	W46	↓	10.4	10.4	0.0	1.00	10.4	10.4	0.0	1.00	25%	26%	-0.01	1.00	6	6	0	1.00	0	0	N/A	
	R40	LKD	W47	↓	10.4	10.5	-0.1	1.01	10.4	10.5	-0.1	1.01	16%	17%	-0.35	1.09	20	20	0	1.00	0	0	N/A	
	R41	Bedroom	W48	↓	11.1	11.3	-0.2	1.02	11.1	11.3	-0.2	1.02	31%	33%	-0.22	1.07	8	8	0	1.00	0	0	N/A	
	R42	Bedroom	W49	↓	12.2	12.1	0.1	0.99	12.2	12.1	0.1	0.99	56%	49%	0.73	0.87	12	12	0	1.00	1	1	N/A*	
	R43	LKD	W50	↓	13.5	13.3	0.2	0.99																
		LKD	W51	→	8.3	8.3	0.0	1.00																
		LKD	W52	→	8.6	8.7	-0.1	1.01	11.0	10.9	0.1	0.99	68%	65%	0.79	0.95	28	29	-1	1.04	3	4	1.33	
	R44	Bedroom	W53	→	9.1	9.1	0.0	1.00	9.1	9.1	0.0	1.00	30%	30%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R45	LKD	W54	↓	39.1	39.0	N/A	N/A																
		LKD	W55	→	26.9	22.9	4.0	0.85	34.9	33.4	N/A	N/A	99%	98%	0.31	0.99	77	76	N/A	N/A	28	28	N/A	
	R46	Bedroom	W56	→	20.3	16.7	3.6	0.82	20.3	16.7	3.6	0.82	60%	52%	0.73	0.86	North	North	N/A	N/A	North	North	N/A	
	R47	Bedroom	W57	→	18.9	14.8	4.1	0.78	18.9	14.8	4.1	0.78	57%	48%	0.88	0.83	North	North	N/A	N/A	North	North	N/A	
	R48	LKD	W58	→	20.9	12.3	8.6	0.59																
		LKD	W59	↑	4.4	2.8	1.6	0.64	10.4	6.2	4.2	0.60	86%	59%	6.35	0.68	North	North	N/A	N/A	North	North	N/A	
	R49	Bedroom	W60	↑	14.9	13.2	1.7	0.89	14.9	13.2	1.7	0.89	48%	47%	0.06	0.99	North	North	N/A	N/A	North	North	N/A	
F05	R1	Bedroom	W1	↑	16.2	15.2	1.0	0.94	16.2	15.2	1.0	0.94	43%	43%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R2	LKD	W2	↑	15.0	14.3	0.7	0.95	15.0	14.3	0.7	0.95	25%	25%	0.01	1.00	North	North	N/A	N/A	North	North	N/A	
	R3	Bedroom	W3	↑	11.3	10.7	0.6	0.95	11.3	10.7	0.6	0.95	36%	36%	0.01	1.00	North	North	N/A	N/A	North	North	N/A	
	R4	LKD	W4	→	15.6	12.5	3.1	0.80																
		LKD	W5	↑	14.3	13.9	0.4	0.97	14.8	13.2	1.6	0.89	34%	34%	0.11	0.98	North	North	N/A	N/A	North	North	N/A	
	R5	Bedroom	W6	↑	14.2	14.0	0.2	0.99	14.2	14.0	0.2	0.99	32%	32%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R6	Bedroom	W7	↑	14.2	13.9	0.3	0.98	14.2	13.9	0.3	0.98	32%	32%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R7	LKD	W8	↑	13.9	13.7	0.2	0.99	13.9	13.7	0.2	0.99	16%	16%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R8	LKD	W9	↑	10.9	10.9	0.0	1.00	10.9	10.9	0.0	1.00	26%	26%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R9	Bedroom	W10	↑	9.3	9.3	0.0	1.00	9.3	9.3	0.0	1.00	23%	23%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R10	Bedroom	W11	→	13.7	12.9	0.8	0.94	13.7	12.9	0.8	0.94	84%	84%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R11	LKD	W12	→	9.7	8.6	1.1	0.89	9.7	8.6	1.1	0.89	98%	68%	7.97	0.69	North	North	N/A	N/A	North	North	N/A	
	R12	LKD	W13	→	11.2	10.0	1.2	0.89	11.2	10.0	1.2	0.89	93%	69%	6.11	0.74	North	North	N/A	N/A	North	North	N/A	
	R13	Bedroom	W14	→	20.9	19.7	1.2	0.94	20.9	19.7	1.2	0.94	81%	81%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
	R14	LKD	W15	→	9.7	8.4	1.3	0.87	9.7	8.4	1.3	0.87	82%	57%	6.74	0.69	North	North	N/A	N/A	North	North	N/A	
	R15	Bedroom	W16	→	15.4	14.3	1.1	0.93	15.4	14.3	1.1	0.93	73%	72%	0.06	0.99	North	North	N/A	N/A	North	North	N/A	
	R16	Bedroom	W17	↓	18.2	18.1	0.1	0.99	18.2	18.1	0.1	0.99	96%	96%	0.01	1.00	25	25	N/A	N/A	11	11	N/A	
	R17	LKD	W18	↓	12.5	12.0	0.5	0.96	12.5	12.0	0.5	0.96	69%	69%	0.00	1.00	19	19	0	1.00	11	11	N/A	
	R18	Bedroom	W19	↓	28.3	27.8	N/A	N/A	28.3	27.8	N/A	N/A	98%	98%	0.00	1.00	37	37	N/A	N/A	17	17	N/A	
	R19	Bedroom	W20	↓	28.9	28.7	N/A	N/A	28.9	28.7	N/A	N/A	98%	98%	0.00	1.00	39	39	N/A	N/A	19	19	N/A	
	R20	LKD	W21	↓	16.2	16.0	0.2	0.99	16.2	16.0	0.2	0.99	76%	76%	0.01	1.00	26	26	N/A	N/A	17	17	N/A	
	R21	Bedroom	W22	↓	20.9	20.9	0.0	1.00	20.9	20.9	0.0	1.00	95%	95%	0.00	1.00	29	29	N/A	N/A	17	17	N/A	
	R22	LKD	W23	↓	19.7	18.4	1.3	0.93	19.7	18.4	1.3	0.93	75%	75%	0.00	1.00	24	24	0	1.00	14	14	N/A	
	R23	Bedroom	W24	↓	30.2	28.7	N/A	N/A	30.2	28.7	N/A	N/A	98%	98%	0.00	1.00	38	38	N/A	N/A	19	19	N/A	
	R24	Studio	W25	↓	30.8	29.4	N/A	N/A																
		Studio	W26	↓	18.6	15.9	2.7	0.85	21.1	18.6	2.5	0.88	88%	86%	0.47	0.98	47	41	N/A	N/A	24	22	N/A	
	R25	Bedroom	W27	↓	32.0	27.9	N/A	N/A	32.0	27.9	N/A	N/A	97%	95%	0.22	0.98	40	38	N/A	N/A	20	19	N/A	
	R26	LKD	W28	↓	18.7	13.7	5.0	0.73																
		LKD	W29	→	18.0	9.5	8.5	0.53																
		LKD	W30	→	15.1	10.4	4.7	0.69	17.8	11.9	5.9	0.67	99%	79%	4.64	0.80	46	22	24	0.48	21	16	N/A	
	R27	Bedroom	W31	→	12.7	10.3	2.4	0.81	12.7	10.3	2.4	0.81	25%	41%	-1.48	1.64	North	North	N/A	N/A	North	North	N/A	
</																								

Property, room & window attributes				VSC				Mean VSC (room)				NSL				APSH (room)								
Floor	Room	Room use	Window Ref./Orientation	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% mm)	Prop. (% mm)	Loss (m ²)	Pro./Ex. ratio	Annual (%APSH)				Winter (%APSH)				
																	Exis.	Prop.	Loss	Pro./Ex.	Exis.	Prop.	Pro./Ex.	
		LKD	W50 →	9.7	9.7	0.0	1.00																	
		LKD	W51 →	10.1	10.1	0.0	1.00	12.2	12.2	0.0	1.00	70%	68%	0.39	0.98		33	33	N/A	N/A	5	5	N/A	
	R44	Bedroom	W52 →	10.5	10.5	0.0	1.00	10.5	10.5	0.0	1.00	34%	34%	0.00	1.00		North	North	N/A	N/A	North	North	N/A	
	R45	LKD	W53 ↓	39.6	39.5	N/A	N/A																	
		LKD	W54 →	30.5	26.8	3.7	0.88	36.4	35.0	N/A	N/A	99%	98%	0.26	0.99		77	77	N/A	N/A	28	28	N/A	
	R46	Bedroom	W55 →	25.5	21.3	4.2	0.84	25.5	21.3	4.2	0.84	98%	97%	0.10	0.99		North	North	N/A	N/A	North	North	N/A	
	R47	Bedroom	W56 →	24.2	19.3	4.9	0.80	24.2	19.3	4.9	0.80	98%	94%	0.41	0.95		North	North	N/A	N/A	North	North	N/A	
	R48	LKD	W57 →	25.2	15.9	9.3	0.63																	
		LKD	W58 ↑	18.4	15.3	3.1	0.83	20.8	15.5	5.3	0.75	89%	73%	3.57	0.82		North	North	N/A	N/A	North	North	N/A	
	R49	Bedroom	W59 ↑	17.2	15.4	1.8	0.90	17.2	15.4	1.8	0.90	52%	51%	0.03	0.99		North	North	N/A	N/A	North	North	N/A	
F06	R1	Bedroom	W1 ↑	18.9	18.1	0.8	0.96	18.9	18.1	0.8	0.96	49%	49%	0.00	1.00		North	North	N/A	N/A	North	North	N/A	
	R2	LKD	W2 ↑	18.1	17.5	0.6	0.97	18.1	17.5	0.6	0.97	28%	28%	0.01	1.00		North	North	N/A	N/A	North	North	N/A	
	R3	Bedroom	W3 ↑	14.2	13.8	0.4	0.97	14.2	13.8	0.4	0.97	43%	43%	0.00	1.00		North	North	N/A	N/A	North	North	N/A	
	R4	LKD	W4 →	20.0	17.4	2.6	0.87																	
		LKD	W5 ↑	16.9	16.6	0.3	0.98	18.3	17.0	1.3	0.93	39%	39%	-0.07	1.01		North	North	N/A	N/A	North	North	N/A	
	R5	Bedroom	W6 ↑	17.1	16.9	0.2	0.99	17.1	16.9	0.2	0.99	40%	40%	0.00	1.00		North	North	N/A	N/A	North	North	N/A	
	R6	Bedroom	W7 ↑	17.2	17.1	0.1	0.99	17.2	17.1	0.1	0.99	41%	41%	0.00	1.00		North	North	N/A	N/A	North	North	N/A	
	R7	LKD	W8 ↑	17.3	17.2	0.1	0.99	17.3	17.2	0.1	0.99	20%	20%	0.00	1.00		North	North	N/A	N/A	North	North	N/A	
	R8	LKD	W9 ↑	15.1	15.1	0.0	1.00	15.1	15.1	0.0	1.00	33%	33%	0.00	1.00		North	North	N/A	N/A	North	North	N/A	
	R9	Bedroom	W10 ↑	12.8	12.8	0.0	1.00	12.8	12.8	0.0	1.00	32%	32%	0.00	1.00		North	North	N/A	N/A	North	North	N/A	
R10	Bedroom	W11 →	18.3	17.6	0.7	0.96	18.3	17.6	0.7	0.96	96%	96%	0.00	1.00		North	North	N/A	N/A	North	North	N/A		
R11	LKD	W12 →	24.6	23.7	0.9	0.96	24.6	23.7	0.9	0.96	100%	94%	1.43	0.95		North	North	N/A	N/A	North	North	N/A		
R12	LKD	W13 →	24.9	24.0	0.9	0.96	24.9	24.0	0.9	0.96	99%	88%	2.79	0.89		North	North	N/A	N/A	North	North	N/A		
R13	Bedroom	W14 →	23.8	22.9	0.9	0.96	23.8	22.9	0.9	0.96	83%	83%	0.00	1.00		North	North	N/A	N/A	North	North	N/A		
R14	LKD	W15 →	20.8	19.7	1.1	0.95	20.8	19.7	1.1	0.95	87%	75%	3.26	0.86		North	North	N/A	N/A	North	North	N/A		
R15	Bedroom	W16 →	17.0	16.0	1.0	0.94	17.0	16.0	1.0	0.94	74%	74%	0.02	1.00		North	North	N/A	N/A	North	North	N/A		
R16	Bedroom	W17 ↓	24.2	24.0	0.2	0.99	24.2	24.0	0.2	0.99	98%	98%	0.00	1.00		32	32	N/A	N/A	14	14	N/A		
R17	LKD	W18 ↓	18.9	18.5	0.4	0.98	18.9	18.5	0.4	0.98	96%	96%	0.00	1.00		30	30	N/A	N/A	18	18	N/A		
R18	Bedroom	W19 ↓	33.2	32.8	N/A	N/A	33.2	32.8	N/A	N/A	98%	98%	0.00	1.00		41	41	N/A	N/A	21	21	N/A		
R19	Bedroom	W20 ↓	33.7	33.4	N/A	N/A	33.7	33.4	N/A	N/A	98%	98%	0.00	1.00		42	42	N/A	N/A	22	22	N/A		
R20	LKD	W21 ↓	20.5	20.3	0.2	0.99	20.5	20.3	0.2	0.99	98%	98%	0.00	1.00		31	31	N/A	N/A	22	22	N/A		
R21	Bedroom	W22 ↓	24.1	24.1	0.0	1.00	24.1	24.1	0.0	1.00	95%	95%	0.00	1.00		30	30	N/A	N/A	18	18	N/A		
R22	LKD	W23 ↓	24.1	22.9	1.2	0.95	24.1	22.9	1.2	0.95	99%	99%	0.00	1.00		30	30	N/A	N/A	20	20	N/A		
R23	Bedroom	W24 ↓	34.4	33.0	N/A	N/A	34.4	33.0	N/A	N/A	98%	98%	0.00	1.00		41	41	N/A	N/A	22	22	N/A		
R24	Studio	W25 ↓	34.8	33.5	N/A	N/A																		
	Studio	W26 ↓	22.6	19.9	2.7	0.88	25.0	22.7	2.3	0.91	98%	97%	0.47	0.98		51	48	N/A	N/A	28	25	N/A		
R25	Bedroom	W27 ↓	35.6	31.5	N/A	N/A	35.6	31.5	N/A	N/A	97%	97%	0.08	0.99		42	39	N/A	N/A	22	20	N/A		
R26	LKD	W28 ↓	22.1	16.3	5.8	0.74																		
	LKD	W29 →	20.0	11.8	8.2	0.59																		
	LKD	W30 →	17.2	12.8	4.4	0.74	20.6	14.3	6.3	0.69	99%	80%	4.52	0.80		49	24	25	0.49	24	18	N/A		
R27	Bedroom	W31 →	14.8	12.8	2.0	0.86	14.8	12.8	2.0	0.86	31%	53%	-2.07	1.74		North	North	N/A	N/A	North	North	N/A		
R28	Bedroom	W32 →	13.7	12.6	1.1	0.92	13.7	12.6	1.1	0.92	30%	39%	-0.87	1.32		North	North	N/A	N/A	North	North	N/A		
R29	LKD	W33 →	12.5	12.1	0.4	0.97																		
	LKD	W34 →	11.6	11.5	0.1	0.99																		
	LKD	W35 ↑	4.2	4.2	0.0	1.00	7.9	7.8	0.1	0.99	68%	68%	0.02	1.00		North	North	N/A	N/A	North	North	N/A		
R30	LKD	W36 →	13.0	13.0	0.0	1.00	13.0	13.0	0.0	1.00	65%	65%	0.00	1.00		North	North	N/A	N/A	North	North	N/A		
R31	Bedroom	W37 →	10.8	10.8	0.0	1.00	10.8	10.8	0.0	1.00	81%	81%	0.00	1.00		North	North	N/A	N/A	North	North	N/A		
R32	Bedroom	W38 ↓	7.8	7.8	0.0	1.00	7.8	7.8	0.0	1.00	30%	30%	0.00	1.00		9	9	0	1.00	0	0	N/A		
R33	LKD	W39 ↓	2.4	2.4	0.0	1.00	2.4	2.4	0.0	1.00	14%	14%	0.00	1.00		6	6	0	1.00	0	0	N/A		
R34	Bedroom	W40 ↓	11.4	11.4	0.0	1.00	11.4	11.4	0.0	1.00	35%	35%	0.00	1.00		13	13	0	1.00	0	0	N/A		
R35	LKD	W41 ↓	3.1	3.1	0.0	1.00	3.1	3.1	0.0	1.00	15%	15%	0.00	1.00		5	5	0	1.00	0	0	N/A		
R36	Bedroom	W42 ↓	13.3	13.3	0.0	1.00	13.3	13.3	0.0	1.00	42%	42%	0.00	1.00		15	15	0	1.00	0	0	N/A		
R37	LKD	W43 ↓	3.3	3.3	0.0	1.00	3.3	3.3	0.0	1.00	17%	17%	0.00	1.00		8	8	0	1.00	0	0	N/A		
R38	Bedroom	W44 ↓	9.8	9.8	0.0	1.00	9.8	9.8	0.0	1.00	43%	43%	0.00	1.00		10	10	0	1.00	0	0	N/A		
R39	Bedroom	W45 ↓	14.4	14.4	0.0	1.00	14.4	14.4	0.0	1.00	38%	38%	0.00	1.00		15	15	0	1.00	0	0	N/A		
R40	LKD	W46 ↓	3.9	4.0	-0.1	1.03	3.9	4.0	-0.1	1.03	18%	19%	-0.14	1.03		12	12	0	1.00	1	1	N/A*		
R41	Bedroom	W47 ↓	15.5	15.6	-0.1	1.01	15.5	15.6	-0.1	1.01	44%	44%	-0.02	1.00		19	20	-1	1.05	1	2	2.00		
R42	Bedroom	W48 ↓	17.0	16.9	0.1	0.99	17.0	16.9	0.1	0.99	62%	62%	0.03	1.00		18	18	0	1.00	1	1	N/A*		
R43	LKD	W49 ↓	4.6	4.5	0.1	0.98																		
	LKD	W50 →	11.6	11.6	0.0	1.00																		
	LKD	W51 →	11.9	12.0	-0.1	1.01																		

Property, room & window attributes				VSC				Mean VSC (room)				NSL				APSH (room)							
Floor	Room	Room use	Window Ref./Orientation	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% rm)	Prop. (% rm)	Loss (m ²)	Pro./Ex. ratio	Annual (%APSH)				Winter (%APSH)			
																	Exis.	Prop.	Loss	Pro./Ex.	Exis.	Prop.	Pro./Ex.
	R6	Bedroom	W6	↓	26.5	26.5	0.0	1.00	26.5	26.5	0.0	1.00	95%	95%	0.00	1.00					18	18	N/A
	R7	LKD	W7	↓	27.7	26.7	1.0	0.96	27.7	26.7	1.0	0.96	99%	99%	0.00	1.00	30	30	N/A	N/A	20	20	N/A
	R8	Bedroom	W8	↓	37.4	36.2	N/A	N/A	37.4	36.2	N/A	N/A	98%	98%	0.00	1.00	41	41	N/A	N/A	22	22	N/A
	R9	Studio	W9	↓	37.7	36.6	N/A	N/A															
		Studio	W10	↓	25.9	23.5	2.4	0.91	28.3	26.2	2.1	0.93	98%	98%	0.23	0.99	51	48	N/A	N/A	28	25	N/A
	R10	Bedroom	W11	↓	38.1	34.5	N/A	N/A	38.1	34.5	N/A	N/A	97%	97%	0.01	1.00	42	40	N/A	N/A	22	21	N/A
	R11	LKD	W12	↓	24.8	18.6	6.2	0.75															
		LKD	W13	→	22.3	14.8	7.5	0.66															
		LKD	W14	→	19.6	16.1	3.5	0.82	23.1	17.1	6.0	0.74	99%	82%	4.00	0.82	49	28	N/A	N/A	24	18	N/A
	R12	Bedroom	W15	→	17.4	16.1	1.3	0.93	17.4	16.1	1.3	0.93	39%	67%	-2.55	1.71	North	North	N/A	N/A	North	North	N/A
	R13	Bedroom	W16	→	16.4	15.9	0.5	0.97	16.4	15.9	0.5	0.97	38%	55%	-1.58	1.46	North	North	N/A	N/A	North	North	N/A
	R14	LKD	W17	→	15.1	15.0	0.1	0.99															
		LKD	W18	→	5.3	4.8	0.5	0.91															
		LKD	W19	↑	18.5	18.5	0.0	1.00	14.1	14.0	0.1	0.99	76%	76%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R15	LKD	W20	→	15.0	15.0	0.0	1.00	15.0	15.0	0.0	1.00	79%	79%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R16	Bedroom	W21	→	12.1	12.1	0.0	1.00	12.1	12.1	0.0	1.00	82%	82%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R17	Bedroom	W22	↓	9.5	9.5	0.0	1.00	9.5	9.5	0.0	1.00	40%	40%	0.00	1.00	12	12	0	1.00	0	0	N/A
	R18	LKD	W23	↓	3.8	3.8	0.0	1.00	3.8	3.8	0.0	1.00	18%	18%	0.00	1.00	8	8	0	1.00	0	0	N/A
	R19	Bedroom	W24	↓	14.0	14.0	0.0	1.00	14.0	14.0	0.0	1.00	47%	47%	0.00	1.00	18	18	0	1.00	0	0	N/A
	R20	LKD	W25	↓	5.0	5.0	0.0	1.00	5.0	5.0	0.0	1.00	19%	19%	0.00	1.00	8	8	0	1.00	0	0	N/A
	R21	Bedroom	W26	↓	16.1	16.1	0.0	1.00	16.1	16.1	0.0	1.00	56%	56%	0.00	1.00	20	20	0	1.00	0	0	N/A
	R22	LKD	W27	↓	5.8	5.8	0.0	1.00	5.8	5.8	0.0	1.00	23%	23%	0.00	1.00	11	11	0	1.00	1	1	N/A*
	R23	Bedroom	W28	↓	12.2	12.2	0.0	1.00	12.2	12.2	0.0	1.00	57%	57%	0.00	1.00	13	13	0	1.00	1	1	N/A*
	R24	Bedroom	W29	↓	17.3	17.4	-0.1	1.01	17.3	17.4	-0.1	1.01	49%	49%	0.00	1.00	20	20	0	1.00	0	0	N/A
	R25	LKD	W30	↓	5.9	6.0	-0.1	1.02	5.9	6.0	-0.1	1.02	23%	24%	-0.04	1.01	13	13	0	1.00	1	1	N/A*
	R26	Bedroom	W31	↓	18.5	18.7	-0.2	1.01	18.5	18.7	-0.2	1.01	53%	54%	-0.01	1.00	22	22	0	1.00	2	2	N/A*
	R27	Bedroom	W32	↓	20.1	20.0	0.1	1.00	20.1	20.0	0.1	1.00	68%	68%	0.01	1.00	23	24	-1	1.04	3	4	1.33
	R28	LKD	W33	↓	6.8	6.7	0.1	0.99															
		LKD	W34	→	14.1	14.1	0.0	1.00															
		LKD	W35	→	14.3	14.3	0.0	1.00	10.5	10.4	0.1	0.99	67%	67%	0.08	0.99	15	16	-1	1.07	6	7	1.17
	R29	Bedroom	W36	→	14.4	14.4	0.0	1.00	14.4	14.4	0.0	1.00	45%	45%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
F08	R1	Bedroom	W1	↓	37.4	37.2	N/A	N/A	37.4	37.2	N/A	N/A	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R2	LKD	W2	↓	26.0	25.8	0.2	0.99	26.0	25.8	0.2	0.99	97%	97%	0.00	1.00	36	36	N/A	N/A	24	24	N/A
	R3	Bedroom	W3	↓	37.4	37.1	N/A	N/A	37.4	37.1	N/A	N/A	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R4	Bedroom	W4	↓	37.2	36.9	N/A	N/A	37.2	36.9	N/A	N/A	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R5	LKD	W5	↓	24.2	24.0	0.2	0.99	24.2	24.0	0.2	0.99	98%	98%	0.00	1.00	31	31	N/A	N/A	22	22	N/A
	R6	Bedroom	W6	↓	26.5	26.5	0.0	1.00	26.5	26.5	0.0	1.00	95%	95%	0.00	1.00	30	30	N/A	N/A	18	18	N/A
	R7	LKD	W7	↓	27.8	27.1	N/A	N/A	27.8	27.1	N/A	N/A	99%	99%	0.00	1.00	30	30	N/A	N/A	20	20	N/A
	R8	Bedroom	W8	↓	37.5	36.7	N/A	N/A	37.5	36.7	N/A	N/A	98%	98%	0.00	1.00	41	41	N/A	N/A	22	22	N/A
	R9	Studio	W9	↓	37.9	37.0	N/A	N/A															
		Studio	W10	↓	25.9	24.2	1.7	0.93	28.4	26.8	1.6	0.94	98%	98%	0.02	1.00	51	48	N/A	N/A	28	25	N/A
	R10	Bedroom	W11	↓	38.3	35.6	N/A	N/A	38.3	35.6	N/A	N/A	97%	97%	0.00	1.00	42	41	N/A	N/A	22	21	N/A
	R11	LKD	W12	↓	24.9	19.5	5.4	0.78															
		LKD	W13	→	24.4	18.8	5.6	0.77															
		LKD	W14	→	22.2	20.2	2.0	0.91	24.2	19.5	4.7	0.81	99%	88%	2.54	0.89	49	35	N/A	N/A	24	18	N/A
	R12	Bedroom	W15	→	20.3	20.1	0.2	0.99	20.3	20.1	0.2	0.99	54%	75%	-1.92	1.39	North	North	N/A	N/A	North	North	N/A
	R13	Bedroom	W16	→	19.6	19.9	-0.3	1.02	19.6	19.9	-0.3	1.02	52%	74%	-2.01	1.42	North	North	N/A	N/A	North	North	N/A
	R14	LKD	W17	→	18.9	19.3	-0.4	1.02															
		LKD	W18	→	18.0	18.2	-0.2	1.01															
		LKD	W19	↑	9.7	9.7	0.0	1.00	13.8	14.0	-0.2	1.01	69%	69%	-0.09	1.01	North	North	N/A	N/A	North	North	N/A
	R15	LKD	W20	→	17.5	17.5	0.0	1.00	17.5	17.5	0.0	1.00	86%	86%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R16	Bedroom	W21	→	13.8	13.8	0.0	1.00	13.8	13.8	0.0	1.00	84%	84%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R17	Bedroom	W22	↓	11.6	11.6	0.0	1.00	11.6	11.6	0.0	1.00	54%	54%	0.00	1.00	15	15	0	1.00	2	2	N/A*
	R18	LKD	W23	↓	6.0	6.0	0.0	1.00	6.0	6.0	0.0	1.00	24%	24%	0.00	1.00	8	8	0	1.00	0	0	N/A
	R19	Bedroom	W24	↓	17.3	17.3	0.0	1.00	17.3	17.3	0.0	1.00	67%	67%	0.00	1.00	23	23	0	1.00	5	5	N/A
	R20	LKD	W25	↓	8.5	8.5	0.0	1.00	8.5	8.5	0.0	1.00	26%	26%	0.00	1.00	10	10	0	1.00	1	1	N/A*
	R21	Bedroom	W26	↓	19.7	19.7	0.0	1.00	19.7	19.7	0.0	1.00	76%	76%	0.00	1.00	27	27	N/A	N/A	7	7	N/A
	R22	LKD	W27	↓	9.2	9.2	0.0	1.00	9.2	9.2	0.0	1.00	35%	35%	0.00	1.00	15	15	0	1.00	4	4	N/A*
	R23	Bedroom	W28	↓	15.1	15.1	0.0	1.00	15.1	15.1	0.0	1.00	78%</										

Property, room & window attributes				VSC				Mean VSC (room)				NSL				APSH (room)							
Floor	Room	Room use	Window Ref./Orientation	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% rm)	Prop. (% rm)	Loss (m ²)	Pro./Ex. ratio	Annual (%APSH)				Winter (%APSH)			
																	Exis.	Prop.	Loss	Pro./Ex.	Exis.	Prop.	Pro./Ex.
	R8	Bedroom	W8	↓	37.8	37.3	N/A	N/A	37.8	37.3	N/A	N/A	98%	98%	0.00	1.00	41	41	N/A	N/A	22	22	N/A
	R9	Studio	W9	↓	38.2	37.5	N/A	N/A															
		Studio	W10	↓	26.0	24.9	1.1	0.96	28.5	27.5	N/A	N/A	98%	98%	0.00	1.00	51	49	N/A	N/A	28	26	N/A
	R10	Bedroom	W11	↓	38.6	36.9	N/A	N/A	38.6	36.9	N/A	N/A	97%	97%	0.00	1.00	42	41	N/A	N/A	22	21	N/A
	R11	LKD	W12	↓	25.0	21.3	3.7	0.85															
		LKD	W13	→	27.0	23.8	3.2	0.88															
		LKD	W14	→	25.4	25.0	0.4	0.98	25.6	22.7	2.9	0.89	99%	93%	1.47	0.94	49	44	N/A	N/A	24	21	N/A
	R12	Bedroom	W15	→	24.1	24.9	-0.8	1.03	24.1	24.9	-0.8	1.03	83%	90%	-0.65	1.09	North	North	N/A	N/A	North	North	N/A
	R13	Bedroom	W16	→	23.8	24.6	-0.8	1.03	23.8	24.6	-0.8	1.03	82%	89%	-0.71	1.09	North	North	N/A	N/A	North	North	N/A
	R14	LKD	W17	→	22.8	23.4	-0.6	1.03															
		LKD	W18	→	12.7	13.1	-0.4	1.03															
		LKD	W19	↑	24.7	24.7	0.0	1.00	20.9	21.2	-0.3	1.01	87%	88%	-0.35	1.02	North	North	N/A	N/A	North	North	N/A
	R15	LKD	W20	→	20.7	20.7	0.0	1.00	20.7	20.7	0.0	1.00	93%	93%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R16	Bedroom	W21	→	16.4	16.4	0.0	1.00	16.4	16.4	0.0	1.00	89%	89%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R17	Bedroom	W22	↓	14.4	14.4	0.0	1.00	14.4	14.4	0.0	1.00	81%	81%	0.00	1.00	20	20	0	1.00	7	7	N/A
	R18	LKD	W23	↓	8.8	8.8	0.0	1.00	8.8	8.8	0.0	1.00	34%	34%	0.00	1.00	12	12	0	1.00	4	4	N/A*
	R19	Bedroom	W24	↓	21.6	21.6	0.0	1.00	21.6	21.6	0.0	1.00	98%	98%	0.00	1.00	29	29	N/A	N/A	9	9	N/A
	R20	LKD	W25	↓	12.9	12.9	0.0	1.00	12.9	12.9	0.0	1.00	42%	42%	0.00	1.00	19	19	0	1.00	8	8	N/A
	R21	Bedroom	W26	↓	24.2	24.2	0.0	1.00	24.2	24.2	0.0	1.00	98%	98%	0.00	1.00	32	32	N/A	N/A	12	12	N/A
	R22	LKD	W27	↓	13.2	13.2	0.0	1.00	13.2	13.2	0.0	1.00	49%	49%	0.00	1.00	19	19	0	1.00	8	8	N/A
	R23	Bedroom	W28	↓	18.1	18.1	0.0	1.00	18.1	18.1	0.0	1.00	96%	96%	0.00	1.00	22	22	0	1.00	10	10	N/A
	R24	Bedroom	W29	↓	25.1	25.1	0.0	1.00	25.1	25.1	0.0	1.00	96%	96%	0.00	1.00	31	31	N/A	N/A	11	11	N/A
	R25	LKD	W30	↓	13.7	13.8	-0.1	1.01	13.7	13.8	-0.1	1.01	40%	40%	0.00	1.00	21	21	0	1.00	9	9	N/A
	R26	Bedroom	W31	↓	26.0	26.1	-0.1	1.00	26.0	26.1	-0.1	1.00	98%	98%	0.00	1.00	31	31	N/A	N/A	11	11	N/A
	R27	Bedroom	W32	↓	27.8	27.8	N/A	N/A	27.8	27.8	N/A	N/A	96%	96%	0.00	1.00	33	33	N/A	N/A	13	13	N/A
	R28	LKD	W33	↓	13.8	13.8	0.0	1.00															
		LKD	W34	→	21.0	21.1	-0.1	1.00															
		LKD	W35	→	21.0	21.1	-0.1	1.00	17.4	17.4	0.0	1.00	81%	82%	-0.42	1.02	32	32	N/A	N/A	14	14	N/A
	R29	Bedroom	W36	→	20.6	20.6	0.0	1.00	20.6	20.6	0.0	1.00	69%	69%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
F10	R1	Bedroom	W1	↓	38.4	38.4	N/A	N/A	38.4	38.4	N/A	N/A	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R2	LKD	W2	↓	26.2	26.2	0.0	1.00	26.2	26.2	0.0	1.00	97%	97%	0.00	1.00	36	36	N/A	N/A	24	24	N/A
	R3	Bedroom	W3	↓	38.4	38.3	N/A	N/A	38.4	38.3	N/A	N/A	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R4	Bedroom	W4	↓	38.3	38.2	N/A	N/A	38.3	38.2	N/A	N/A	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R5	LKD	W5	↓	24.4	24.3	0.1	1.00	24.4	24.3	0.1	1.00	98%	98%	0.00	1.00	31	31	N/A	N/A	22	22	N/A
	R6	Bedroom	W6	↓	27.5	27.5	N/A	N/A	27.5	27.5	N/A	N/A	95%	95%	0.00	1.00	30	30	N/A	N/A	18	18	N/A
	R7	LKD	W7	↓	28.0	27.7	N/A	N/A	28.0	27.7	N/A	N/A	99%	99%	0.00	1.00	30	30	N/A	N/A	20	20	N/A
	R8	Bedroom	W8	↓	38.5	38.2	N/A	N/A	38.5	38.2	N/A	N/A	98%	98%	0.00	1.00	41	41	N/A	N/A	22	22	N/A
	R9	Studio	W9	↓	38.8	38.5	N/A	N/A															
		Studio	W10	↓	25.9	25.3	0.6	0.98	28.5	28.0	N/A	N/A	98%	98%	0.00	1.00	50	49	N/A	N/A	28	27	N/A
	R10	Bedroom	W11	↓	39.1	38.3	N/A	N/A	39.1	38.3	N/A	N/A	97%	97%	0.00	1.00	42	41	N/A	N/A	22	21	N/A
	R11	LKD	W12	↓	25.1	23.2	1.9	0.92															
		LKD	W13	→	30.3	29.6	N/A	N/A															
		LKD	W14	→	29.5	30.4	N/A	1.03	27.4	26.4	1.0	0.96	100%	100%	0.00	1.00	49	51	N/A	1.04	24	22	N/A
	R12	Bedroom	W15	→	28.8	30.0	N/A	1.04	28.8	30.0	N/A	1.04	97%	97%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R13	Bedroom	W16	→	28.7	29.7	N/A	1.03	28.7	29.7	N/A	1.03	97%	97%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
R14	LKD	W17	→	28.8	29.5	N/A	1.02																
	LKD	W18	→	28.1	28.6	N/A	1.02																
	LKD	W19	↑	15.3	15.3	0.0	1.00	21.6	21.8	-0.2	1.01	99%	99%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
R15	LKD	W20	→	24.8	24.9	-0.1	1.00	24.8	24.9	-0.1	1.00	98%	98%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
R16	Bedroom	W21	→	19.1	19.1	0.0	1.00	19.1	19.1	0.0	1.00	94%	94%	0.00	1.00	North	North	N/A	N/A	North	North	N/A	
R17	Bedroom	W22	↓	18.1	18.1	0.0	1.00	18.1	18.1	0.0	1.00	86%	86%	0.00	1.00	23	23	0	1.00	9	9	N/A	
R18	LKD	W23	↓	12.2	12.2	0.0	1.00	12.2	12.2	0.0	1.00	61%	61%	0.00	1.00	18	18	0	1.00	10	10	N/A	
R19	Bedroom	W24	↓	27.6	27.6	N/A	N/A	27.6	27.6	N/A	N/A	98%	98%	0.00	1.00	36	36	N/A	N/A	16	16	N/A	
R20	LKD	W25	↓	17.8	17.8	0.0	1.00	17.8	17.8	0.0	1.00	70%	70%	0.00	1.00	23	23	0	1.00	12	12	N/A	
R21	Bedroom	W26	↓	29.4	29.4	N/A	N/A	29.4	29.4	N/A	N/A	98%	98%	0.00	1.00	37	37	N/A	N/A	17	17	N/A	
R22	LKD	W27	↓	17.6	17.6	0.0	1.00	17.6	17.6	0.0	1.00	73%	73%	0.00	1.00	24	24	0	1.00	13	13	N/A	
R23	Bedroom	W28	↓	21.8	21.8	0.0	1.00	21.8	21.8	0.0	1.00	96%	96%	0.00	1.00	27	27	N/A	N/A	15	15	N/A	
R24	Bedroom	W29	↓	30.2	30.2	N/A	N/A	30.2	30.2	N/A	N/A	98%	98%	0.00	1.00	36	37	N/A	1.03	16	17	1.06	
R25	LKD	W30	↓	18.1	18.2	-0.1	1.01	18.1	18.2	-0.1	1.01	62%	62%	0.00	1.00	30	30	N/A	N/A	18	18	N/A	
R26	Bedroom	W31	↓	30.8	30.9	N/A	1.00	30.8	30.9	N/A	1.00	98%	98%	0.00	1.00	37	37	N/A	N/A	17	17	N/A	
R27	Bedroom	W32	↓	32.1	32.2	N/A	1.00	32.1	32.2	N/A	1.00	98%	98%	0.00	1.00	37	37	N/A	N/A	17	17	N/A	
R28	LKD																						

Property, room & window attributes				VSC				Mean VSC (room)				NSL				APSH (room)							
Floor	Room	Room use	Window Ref./Orientation	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% rm)	Prop. (% rm)	Loss (m ²)	Pro./Ex. ratio	Annual (%APSH)				Winter (%APSH)			
																	Exis.	Prop.	Loss	Pro./Ex.	Exis.	Prop.	Pro./Ex.
		Studio	W10	↓	39.6	39.5	N/A	N/A	39.6	39.5	N/A	N/A	98%	98%	0.00	1.00	67	67	N/A	N/A	28	28	N/A
	R10	Bedroom	W11	↓	39.6	39.5	N/A	N/A	39.6	39.5	N/A	N/A	97%	97%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R11	LKD	W12	↓	39.5	39.2	N/A	N/A															
		LKD	W13	→	34.2	35.1	N/A	1.03															
		LKD	W14	→	34.2	35.5	N/A	1.04	37.0	37.3	N/A	1.01	100%	100%	0.00	1.00	79	80	N/A	1.01	28	28	N/A
	R12	Bedroom	W15	→	33.9	35.1	N/A	1.04	33.9	35.1	N/A	1.04	97%	97%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R13	Bedroom	W16	→	33.9	34.8	N/A	1.03	33.9	34.8	N/A	1.03	97%	97%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R14	LKD	W17	→	33.9	34.5	N/A	1.02															
		LKD	W18	→	33.2	33.6	N/A	1.01															
		LKD	W19	↑	30.4	30.4	N/A	N/A	31.9	32.1	N/A	1.01	100%	100%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R15	LKD	W20	→	30.7	30.8	N/A	1.00	30.7	30.8	N/A	1.00	99%	99%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R16	Bedroom	W21	→	23.5	23.6	-0.1	1.00	23.5	23.6	-0.1	1.00	98%	98%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
	R17	Bedroom	W22	↓	23.9	23.9	0.0	1.00	23.9	23.9	0.0	1.00	96%	96%	0.00	1.00	29	29	N/A	N/A	12	12	N/A
	R18	LKD	W23	↓	30.6	30.6	N/A	N/A	30.6	30.6	N/A	N/A	99%	99%	0.00	1.00	58	58	N/A	N/A	20	20	N/A
	R19	Bedroom	W24	↓	34.1	34.1	N/A	N/A	34.1	34.1	N/A	N/A	98%	98%	0.00	1.00	41	41	N/A	N/A	21	21	N/A
	R20	LKD	W25	↓	34.2	34.2	N/A	N/A	34.2	34.2	N/A	N/A	99%	99%	0.00	1.00	54	54	N/A	N/A	21	21	N/A
	R21	Bedroom	W26	↓	35.1	35.2	N/A	1.00	35.1	35.2	N/A	1.00	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R22	LKD	W27	↓	33.6	33.6	N/A	N/A	33.6	33.6	N/A	N/A	99%	99%	0.00	1.00	55	55	N/A	N/A	22	22	N/A
	R23	Bedroom	W28	↓	27.0	27.0	N/A	N/A	27.0	27.0	N/A	N/A	97%	97%	0.00	1.00	30	30	N/A	N/A	18	18	N/A
	R24	Bedroom	W29	↓	35.6	35.6	N/A	N/A	35.6	35.6	N/A	N/A	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R25	LKD	W30	↓	35.1	35.2	N/A	1.00	35.1	35.2	N/A	1.00	97%	97%	0.00	1.00	65	65	N/A	N/A	27	27	N/A
	R26	Bedroom	W31	↓	35.8	35.9	N/A	1.00	35.8	35.9	N/A	1.00	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R27	Bedroom	W32	↓	36.2	36.3	N/A	1.00	36.2	36.3	N/A	1.00	98%	98%	0.00	1.00	42	42	N/A	N/A	22	22	N/A
	R28	LKD	W33	↓	36.0	36.1	N/A	1.00															
		LKD	W34	→	30.2	30.3	N/A	1.00															
		LKD	W35	→	30.0	30.1	N/A	1.00	33.1	33.2	N/A	1.00	100%	100%	0.00	1.00	76	76	N/A	N/A	27	27	N/A
	R29	Bedroom	W36	→	29.3	29.3	N/A	N/A	29.3	29.3	N/A	N/A	99%	99%	0.00	1.00	North	North	N/A	N/A	North	North	N/A
Block F																							
F00	R1	LKD	W1	→	0.2	0.6	-0.4	3.00															
		LKD	W18	←	4.2	6.8	-2.6	1.62	3.0	4.9	-1.9	1.63	27%	27%	-0.11	1.01	1	7	-6	7.00	1	1	N/A*
	R2	LKD	W2	→	0.2	0.8	-0.6	4.00															
		LKD	W16	←	7.6	7.9	-0.3	1.04															
		LKD	W17	←	6.3	7.1	-0.8	1.13	5.3	5.9	-0.6	1.11	30%	30%	-0.35	1.03	2	2	0	1.00	0	0	N/A
	R3	LKD	W3	→	0.2	3.3	-3.1	16.50															
		LKD	W15	←	8.4	8.6	-0.2	1.02	6.3	7.2	-0.9	1.14	37%	47%	-3.38	1.26	1	1	0	1.00	0	0	N/A
	R4	LKD	W4	→	0.2	3.5	-3.3	17.50															
		LKD	W14	←	8.5	8.6	-0.1	1.01	6.6	7.4	-0.8	1.12	39%	49%	-3.35	1.26	0	0	0	N/A	0	0	N/A
	R5	LKD	W5	→	1.2	12.6	-11.4	10.50	1.2	12.6	-11.4	10.50	42%	67%	-7.32	1.60	North	North	N/A	N/A	North	North	N/A
	R6	Bedroom	W6	→	2.6	11.4	-8.8	4.38	2.6	11.4	-8.8	4.38	53%	77%	-2.57	1.45	North	North	N/A	N/A	North	North	N/A
	R7	Bedroom	W7	↓	0.6	8.2	-7.6	13.67	0.6	8.2	-7.6	13.67	0%	46%	-5.18	#####	0	11	-11	N/A	0	2	N/A
	R8	LKD	W8	↓	0.6	10.7	-10.1	17.83	0.6	10.7	-10.1	17.83	0%	62%	-16.67	#####	0	20	-20	N/A	0	2	N/A
	R9	Bedroom	W9	↓	1.0	11.9	-10.9	11.90	1.0	11.9	-10.9	11.90	0%	70%	-6.65	#####	0	17	-17	N/A	0	2	N/A
	R10	LKD	W10	↓	1.3	13.0	-11.7	10.00	1.3	13.0	-11.7	10.00	3%	48%	-11.84	15.44	1	23	-22	23.00	0	3	N/A
	R11	Bedroom	W11	↓	2.3	14.2	-11.9	6.17	2.3	14.2	-11.9	6.17	8%	74%	-6.58	9.66	0	23	-23	N/A	0	4	N/A
	R12	LKD	W12	↓	4.3	14.9	-10.6	3.47	4.3	14.9	-10.6	3.47	32%	54%	-6.04	1.68	7	27	N/A	3.86	0	5	N/A
	R13	Bedroom	W13	↓	9.2	14.9	-5.7	1.62	9.2	14.9	-5.7	1.62	67%	77%	-1.14	1.16	14	24	-10	1.71	3	5	1.67
F01	R1	Bedroom	W1	→	0.2	0.8	-0.6	4.00	0.2	0.8	-0.6	4.00	0%	0%	-0.02	#####	North	North	N/A	N/A	North	North	N/A
	R2	Bedroom	W2	→	0.2	1.0	-0.8	5.00	0.2	1.0	-0.8	5.00	0%	1%	-0.23	#####	North	North	N/A	N/A	North	North	N/A
	R3	Bedroom	W3	→	0.2	9.1	-8.9	45.50	0.2	9.1	-8.9	45.50	0%	75%	-10.09	#####	North	North	N/A	N/A	North	North	N/A
	R4	Bedroom	W4	→	0.2	10.6	-10.4	53.00	0.2	10.6	-10.4	53.00	0%	70%	-9.68	#####	North	North	N/A	N/A	North	North	N/A
	R5	LKD	W5	→	1.3	14.5	-13.2	11.15	1.3	14.5	-13.2	11.15	50%	78%	-8.61	1.56	North	North	N/A	N/A	North	North	N/A
	R6	Bedroom	W6	→	2.8	12.7	-9.9	4.54	2.8	12.7	-9.9	4.54	53%	81%	-3.01	1.53	North	North	N/A	N/A	North	North	N/A
	R7	Bedroom	W7	↓	0.6	9.4	-8.8	15.67	0.6	9.4	-8.8	15.67	0%	61%	-6.92	#####	0	12	-12	N/A	0	3	N/A
	R8	LKD	W8	↓	0.7	12.7	-12.0	18.14	0.7	12.7	-12.0	18.14	0%	74%	-19.93	#####	0	27	N/A	N/A	0	5	N/A
	R9	Bedroom	W9	↓	1.1	14.2	-13.1	12.91	1.1	14.2	-13.1	12.91	0%	83%	-7.92	#####	0	22	-22	N/A	0	5	N/A
	R10	LKD	W10	↓	1.5	15.5	-14.0	10.33	1.5	15.5	-14.0	10.33	4%	56%	-13.89	14.89	1	26	-25	26.00	0	4	N/A
	R11	Bedroom	W11	↓	2.7	16.9	-14.2	6.26	2.7	16.9	-14.2	6.26	9%	90%	-7.97	9.57	0	27	N/A	N/A	0	5	N/A
	R12	LKD	W12	↓	5.3	17.8	-12.5	3.36	5.3	17.8	-12.5	3.36	36%	61%	-6.95	1.70	10	35	N/A	3.50	0	9	N/A
	R13	Bedroom	W13	↓	11.4	18.5	-7.1	1.62	11.4	18.5	-												

Property, room & window attributes				VSC				Mean VSC (room)				NSL				APSH (room)							
Floor	Room	Room use	Window Ref./Orientation	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex. ratio	Exis. (% rm)	Prop. (% rm)	Loss (m ²)	Pro./Ex. ratio	Annual (%APSH)				Winter (%APSH)			
																	Exis.	Prop.	Loss	Pro./Ex.	Exis.	Prop.	Pro./Ex.
	R3	Bedroom	W3 →	3.1	14.4	-11.3	4.65	3.1	14.4	-11.3	4.65	53%	84%	-3.27	1.57		North	North	N/A	N/A	North	North	N/A
	R4	Bedroom	W4 ↓	0.8	11.0	-10.2	13.75	0.8	11.0	-10.2	13.75	2%	68%	-7.55	45.41		0	17	-17	N/A	0	5	N/A
	R5	LKD	W5 ↓	0.4	15.1	-14.7	37.75	0.4	15.1	-14.7	37.75	0%	78%	-20.84	232.56		0	31	N/A	N/A	0	8	N/A
	R6	Bedroom	W6 ↓	1.1	17.7	-16.6	16.09	1.1	17.7	-16.6	16.09	1%	87%	-8.18	91.89		0	30	N/A	N/A	0	10	N/A
	R7	LKD	W7 ↓	1.5	18.9	-17.4	12.60	1.5	18.9	-17.4	12.60	5%	96%	-24.21	20.06		0	39	N/A	N/A	0	11	N/A
	R8	Bedroom	W8 ↓	2.6	20.9	-18.3	8.04	2.6	20.9	-18.3	8.04	11%	97%	-8.50	8.73		0	32	N/A	N/A	0	9	N/A
	R9	LKD	W9 ↓	6.6	21.8	-15.2	3.30	6.6	21.8	-15.2	3.30	38%	89%	-14.30	2.37		13	44	N/A	3.38	0	12	N/A
	R10	Bedroom	W10 ↓	13.9	23.1	-9.2	1.66	13.9	23.1	-9.2	1.66	71%	97%	-2.80	1.36		22	37	N/A	1.68	7	12	1.71
	R11	LKD	W11 ←	6.0	11.6	-5.6	1.93	6.0	11.6	-5.6	1.93	39%	55%	-4.55	1.44		0	13	-13	N/A	0	5	N/A
F04	R1	Bedroom	W1 →	0.4	1.6	-1.2	4.00	0.4	1.6	-1.2	4.00	0%	0%	0.00	N/A		North	North	N/A	N/A	North	North	N/A
	R2	LKD	W2 →	0.7	9.5	-8.8	13.57	0.7	9.5	-8.8	13.57	54%	83%	-8.98	1.54		North	North	N/A	N/A	North	North	N/A
	R3	Bedroom	W3 →	3.4	15.2	-11.8	4.47	3.4	15.2	-11.8	4.47	53%	84%	-3.26	1.57		North	North	N/A	N/A	North	North	N/A
	R4	Bedroom	W4 ↓	0.8	11.8	-11.0	14.75	0.8	11.8	-11.0	14.75	3%	70%	-7.61	26.37		0	19	-19	N/A	0	6	N/A
	R5	LKD	W5 ↓	0.3	9.2	-8.9	30.67	0.3	9.2	-8.9	30.67	0%	75%	-20.17	673.33		0	14	-14	N/A	0	8	N/A
	R6	Bedroom	W6 ↓	1.0	19.3	-18.3	19.30	1.0	19.3	-18.3	19.30	2%	88%	-8.18	38.18		0	33	N/A	N/A	0	11	N/A
	R7	LKD	W7 ↓	1.0	11.1	-10.1	11.10	1.0	11.1	-10.1	11.10	4%	94%	-24.00	22.24		0	17	-17	N/A	0	10	N/A
	R8	Bedroom	W8 ↓	2.1	22.5	-20.4	10.71	2.1	22.5	-20.4	10.71	11%	98%	-8.62	8.77		0	36	N/A	N/A	0	12	N/A
	R9	LKD	W9 ↓	4.1	13.2	-9.1	3.22	4.1	13.2	-9.1	3.22	37%	93%	-15.45	2.51		7	18	-11	2.57	1	10	10.00
	R10	Bedroom	W10 ↓	15.2	25.7	-10.5	1.69	15.2	25.7	-10.5	1.69	72%	98%	-2.88	1.37		23	40	N/A	1.74	8	14	1.75
	R11	LKD	W11 ←	6.9	13.0	-6.1	1.88	6.9	13.0	-6.1	1.88	42%	60%	-4.79	1.42		0	14	-14	N/A	0	6	N/A
F05	R1	Bedroom	W1 →	0.5	2.2	-1.7	4.40	0.5	2.2	-1.7	4.40	0%	1%	-0.13	#####		North	North	N/A	N/A	North	North	N/A
	R2	LKD	W2 ↓	0.3	7.9	-7.6	26.33																
	LKD	W3 →	0.8	10.4	-9.6	13.00		0.6	9.7	-9.1	16.17	55%	88%	-10.12	1.60		0	18	-18	N/A	0	2	N/A
	R3	Bedroom	W4 →	3.9	16.2	-12.3	4.15	3.9	16.2	-12.3	4.15	53%	84%	-3.25	1.57		North	North	N/A	N/A	North	North	N/A
	R4	Bedroom	W5 ↓	1.2	13.1	-11.9	10.92	1.2	13.1	-11.9	10.92	4%	70%	-7.50	19.29		0	16	-16	N/A	0	6	N/A
	R5	LKD	W6 ↓	0.3	10.3	-10.0	34.33	0.3	10.3	-10.0	34.33	0%	75%	-20.22	405.40		0	14	-14	N/A	0	8	N/A
	R6	Bedroom	W7 ↓	1.4	21.7	-20.3	15.50	1.4	21.7	-20.3	15.50	4%	90%	-8.20	22.58		0	29	N/A	N/A	0	11	N/A
	R7	LKD	W8 ↓	1.1	12.8	-11.7	11.64	1.1	12.8	-11.7	11.64	5%	95%	-23.93	20.61		0	18	-18	N/A	0	10	N/A
	R8	Bedroom	W9 ↓	2.6	25.0	-22.4	9.62	2.6	25.0	-22.4	9.62	11%	98%	-8.64	8.78		0	33	N/A	N/A	0	14	N/A
	R9	LKD	W10 ↓	4.7	15.2	-10.5	3.23	4.7	15.2	-10.5	3.23	38%	93%	-15.44	2.48		9	21	-12	2.33	3	12	4.00
	R10	Bedroom	W11 ↓	16.5	28.1	N/A	1.70	16.5	28.1	N/A	1.70	72%	98%	-2.88	1.37		20	34	N/A	1.70	9	15	1.67
	R11	LKD	W12 ←	7.4	14.0	-6.6	1.89	7.4	14.0	-6.6	1.89	45%	63%	-4.85	1.40		0	15	-15	N/A	0	7	N/A
F06	R1	Bedroom	W1 →	0.7	3.2	-2.5	4.57	0.7	3.2	-2.5	4.57	0%	3%	-0.37	#####		North	North	N/A	N/A	North	North	N/A
	R2	LKD	W2 ↓	0.3	9.4	-9.1	31.33																
	LKD	W3 →	0.9	11.2	-10.3	12.44		0.7	10.7	-10.0	15.29	55%	90%	-10.74	1.64		0	23	-23	N/A	0	3	N/A
	R3	Bedroom	W4 →	4.4	17.1	-12.7	3.89	4.4	17.1	-12.7	3.89	54%	84%	-3.25	1.57		North	North	N/A	N/A	North	North	N/A
	R4	Bedroom	W5 ↓	1.7	14.1	-12.4	8.29	1.7	14.1	-12.4	8.29	6%	71%	-7.34	11.19		0	16	-16	N/A	0	6	N/A
	R5	LKD	W6 ↓	0.3	11.1	-10.8	37.00	0.3	11.1	-10.8	37.00	1%	76%	-20.27	136.13		0	14	-14	N/A	0	8	N/A
	R6	Bedroom	W7 ↓	1.9	23.3	-21.4	12.26	1.9	23.3	-21.4	12.26	6%	92%	-8.23	14.95		0	30	N/A	N/A	0	12	N/A
	R7	LKD	W8 ↓	1.2	14.1	-12.9	11.75	1.2	14.1	-12.9	11.75	5%	95%	-23.81	18.25		0	19	-19	N/A	0	10	N/A
	R8	Bedroom	W9 ↓	2.9	26.6	-23.7	9.17	2.9	26.6	-23.7	9.17	11%	98%	-8.63	8.71		0	34	N/A	N/A	0	14	N/A
	R9	LKD	W10 ↓	5.3	16.9	-11.6	3.19	5.3	16.9	-11.6	3.19	38%	95%	-15.79	2.51		9	22	-13	2.44	3	12	4.00
	R10	Bedroom	W11 ↓	17.3	29.9	N/A	1.73	17.3	29.9	N/A	1.73	72%	98%	-2.85	1.37		21	37	N/A	1.76	10	17	1.70
	R11	LKD	W12 ←	2.7	8.1	-5.4	3.00	2.7	8.1	-5.4	3.00	40%	58%	-4.94	1.46		0	13	-13	N/A	0	8	N/A
F07	R1	Bedroom	W1 →	1.0	4.7	-3.7	4.70	1.0	4.7	-3.7	4.70	0%	7%	-0.80	#####		North	North	N/A	N/A	North	North	N/A
	R2	LKD	W2 ↓	0.5	11.4	-10.9	22.80																
	LKD	W3 →	0.9	12.0	-11.1	13.33		0.8	11.9	-11.1	14.88	55%	93%	-11.40	1.67		0	27	N/A	N/A	0	5	N/A
	R3	Bedroom	W4 →	5.1	17.9	-12.8	3.51	5.1	17.9	-12.8	3.51	54%	84%	-3.20	1.55		North	North	N/A	N/A	North	North	N/A
	R4	Bedroom	W5 ↓	2.5	15.4	-12.9	6.16	2.5	15.4	-12.9	6.16	10%	86%	-8.61	8.69		0	17	-17	N/A	0	6	N/A
	R5	LKD	W6 ↓	0.3	12.4	-12.1	41.33	0.3	12.4	-12.1	41.33	1%	77%	-20.56	69.53		0	16	-16	N/A	0	10	N/A
	R6	Bedroom	W7 ↓	2.7	25.2	-22.5	9.33	2.7	25.2	-22.5	9.33	9%	95%	-8.18	10.09		0	32	N/A	N/A	0	13	N/A
	R7	LKD	W8 ↓	1.5	15.8	-14.3	10.53	1.5	15.8	-14.3	10.53	6%	96%	-23.86	16.01		2	21	-19	10.50	0	12	N/A
	R8	Bedroom	W9 ↓	3.4	28.3	N/A	8.32	3.4	28.3	N/A	8.32	12%	98%	-8.56	8.13		0	35	N/A	N/A	0	15	N/A
	R9	LKD	W10 ↓	5.9	18.7	-12.8	3.17	5.9	18.7	-12.8	3.17	38%	95%	-15.93	2.51		9	25	N/A	2.78	3	15	5.00
	R10	Bedroom	W11 ↓	18.2	31.4	N/A	1.73	18.2	31.4	N/A	1.73	72%	98%	-2.85	1.37		21	39	N/A	1.86	10	19	1.90
	R11	LKD	W12 ←	3.9	9.1	-5.2	2.33	3.9	9.1	-5.2													

Property, room & window attributes				VSC				Mean VSC (room)				NSL				APSH (room)								
Floor	Room	Room use	Window Ref./Orientation	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex ratio	Exis. (% VSC)	Prop. (% VSC)	Loss (% VSC)	Pro./Ex ratio	Exis. (% m)	Prop. (% m)	Loss (m²)	Pro./Ex ratio	Annual (%APSH)				Winter (%APSH)				
																	Exis.	Prop.	Loss	Pro./Ex	Exis.	Prop.	Pro./Ex	
	R6	Bedroom	W7 ↓	5.7	29.8	N/A	5.23	5.7	29.8	N/A	5.23	22%	97%	-7.19	4.42		2	36	N/A	18.00	0	17	N/A	
	R7	LKD	W8 ↓	2.5	20.2	-17.7	8.08	2.5	20.2	-17.7	8.08	11%	99%	-23.45	9.14		3	26	N/A	8.67	0	16	N/A	
	R8	Bedroom	W9 ↓	5.8	32.3	N/A	5.57	5.8	32.3	N/A	5.57	15%	98%	-8.32	6.70		0	41	N/A	N/A	0	21	N/A	
	R9	LKD	W10 ↓	7.1	22.2	-15.1	3.13	7.1	22.2	-15.1	3.13	39%	97%	-16.12	2.50		10	31	N/A	3.10	4	21	5.25	
	R10	Bedroom	W11 ↓	20.3	34.2	N/A	1.68	20.3	34.2	N/A	1.68	72%	98%	-2.82	1.36		22	40	N/A	1.82	11	20	1.82	
	R11	LKD	W12 ←	7.3	12.6	-5.3	1.73	7.3	12.6	-5.3	1.73	55%	65%	-2.80	1.19		0	10	-10	N/A	0	6	N/A	
F10	R1	Bedroom	W1 →	6.2	20.4	-14.2	3.29	6.2	20.4	-14.2	3.29	17%	88%	-7.65	5.32		North	North	N/A	N/A	North	North	N/A	
	R2	LKD	W2 ↓	3.1	23.7	-20.6	7.65																	
		LKD	W3 →	2.0	15.7	-13.7	7.85	2.3	17.9	-15.6	7.78	58%	97%	-11.96	1.67		4	46	N/A	11.50	0	14	N/A	
	R3	Bedroom	W4 →	11.5	22.0	-10.5	1.91	11.5	22.0	-10.5	1.91	67%	88%	-2.30	1.32		North	North	N/A	N/A	North	North	N/A	
	R4	LKD	W5 ↓	3.2	18.0	-14.8	5.63	3.2	18.0	-14.8	5.63	18%	97%	-21.50	5.47		4	25	N/A	6.25	1	17	17.00	
	R5	Bedroom	W6 ↓	10.8	22.4	-11.6	2.07	10.8	22.4	-11.6	2.07	64%	89%	-2.83	1.39		11	26	N/A	2.36	2	12	6.00	
	R6	Bedroom	W7 ↓	9.6	32.9	N/A	3.43	9.6	32.9	N/A	3.43	32%	97%	-6.24	3.03		6	40	N/A	6.67	2	20	10.00	
	R7	LKD	W8 ↓	3.3	22.6	-19.3	6.85	3.3	22.6	-19.3	6.85	12%	99%	-23.21	8.34		6	32	N/A	5.33	2	22	11.00	
	R8	Bedroom	W9 ↓	8.3	34.3	N/A	4.13	8.3	34.3	N/A	4.13	19%	98%	-7.89	5.17		0	41	N/A	N/A	0	21	N/A	
	R9	LKD	W10 ↓	7.8	24.0	-16.2	3.08	7.8	24.0	-16.2	3.08	39%	97%	-16.14	2.49		11	32	N/A	2.91	4	22	5.50	
	R10	Bedroom	W11 ↓	22.3	35.7	N/A	1.60	22.3	35.7	N/A	1.60	76%	98%	-2.43	1.30		22	41	N/A	1.86	11	21	1.91	
	R11	LKD	W12 ←	10.9	16.6	-5.7	1.52	10.9	16.6	-5.7	1.52	63%	72%	-2.53	1.15		6	16	-10	2.67	0	6	N/A	
F11	R1	Bedroom	W1 →	15.5	32.2	N/A	2.08	15.5	32.2	N/A	2.08	70%	98%	-2.92	1.39		North	North	N/A	N/A	North	North	N/A	
	R2	LKD	W2 ↓	8.4	31.3	N/A	3.73																	
		LKD	W3 →	16.2	31.5	N/A	1.94	14.1	31.4	N/A	2.23	70%	100%	-9.25	1.43		20	65	N/A	3.25	2	21	10.50	
	R3	Bedroom	W4 →	16.7	24.7	-8.0	1.48	16.7	24.7	-8.0	1.48	86%	94%	-0.88	1.10		North	North	N/A	N/A	North	North	N/A	
	R4	LKD	W5 ↓	11.6	25.6	-14.0	2.21	11.6	25.6	-14.0	2.21	82%	99%	-4.51	1.20		19	37	N/A	1.95	9	23	2.56	
	R5	Bedroom	W6 ↓	18.8	27.1	N/A	1.44	18.8	27.1	N/A	1.44	92%	95%	-0.34	1.03		24	32	N/A	1.33	9	15	1.67	
	R6	Bedroom	W7 ↓	16.0	36.0	N/A	2.25	16.0	36.0	N/A	2.25	46%	97%	-4.87	2.10		16	43	N/A	2.69	3	23	7.67	
	R7	LKD	W8 ↓	5.8	28.3	N/A	4.88	5.8	28.3	N/A	4.88	17%	99%	-21.86	5.85		9	41	N/A	4.56	2	27	13.50	
	R8	Bedroom	W9 ↓	13.8	36.5	N/A	2.64	13.8	36.5	N/A	2.64	32%	98%	-6.58	3.06		12	43	N/A	3.58	1	23	23.00	
	R9	LKD	W10 ↓	10.4	28.9	N/A	2.78	10.4	28.9	N/A	2.78	42%	97%	-15.40	2.33		17	40	N/A	2.35	5	26	5.20	
	R10	Bedroom	W11 ↓	25.7	37.3	N/A	1.45	25.7	37.3	N/A	1.45	83%	98%	-1.64	1.18		27	42	N/A	1.56	11	22	2.00	
	R11	LKD	W12 ←	27.3	33.5	N/A	1.23	27.3	33.5	N/A	1.23	95%	98%	-0.74	1.03		21	32	N/A	1.52	0	7	N/A	
F12	R1	LKD	W1 ↓	32.2	39.1	N/A	1.21	32.2	39.1	N/A	1.21	99%	99%	-0.02	1.00		54	63	N/A	1.17	19	28	1.47	
	R2	Bedroom	W2 ↓	35.8	39.1	N/A	1.09	35.8	39.1	N/A	1.09	96%	96%	0.00	1.00		40	42	N/A	1.05	21	23	1.10	
	R3	Bedroom	W3 ↓	28.7	39.2	N/A	1.37	28.7	39.2	N/A	1.37	97%	97%	0.00	1.00		33	42	N/A	1.27	14	23	1.64	
	R4	LKD	W4 ↓	25.2	39.2	N/A	1.56	25.2	39.2	N/A	1.56	64%	99%	-9.32	1.55		48	64	N/A	1.33	12	28	2.33	
	R5	Bedroom	W5 ↓	26.9	39.2	N/A	1.46	26.9	39.2	N/A	1.46	98%	98%	0.00	1.00		30	42	N/A	1.40	11	23	2.09	
	R6	LKD	W6 ↓	27.0	39.2	N/A	1.45	27.0	39.2	N/A	1.45	60%	97%	-10.28	1.61		52	64	N/A	1.23	16	28	1.75	
	R7	Bedroom	W7 ↓	32.9	39.3	N/A	1.19	32.9	39.3	N/A	1.19	98%	98%	0.00	1.00		37	43	N/A	1.16	17	23	1.35	