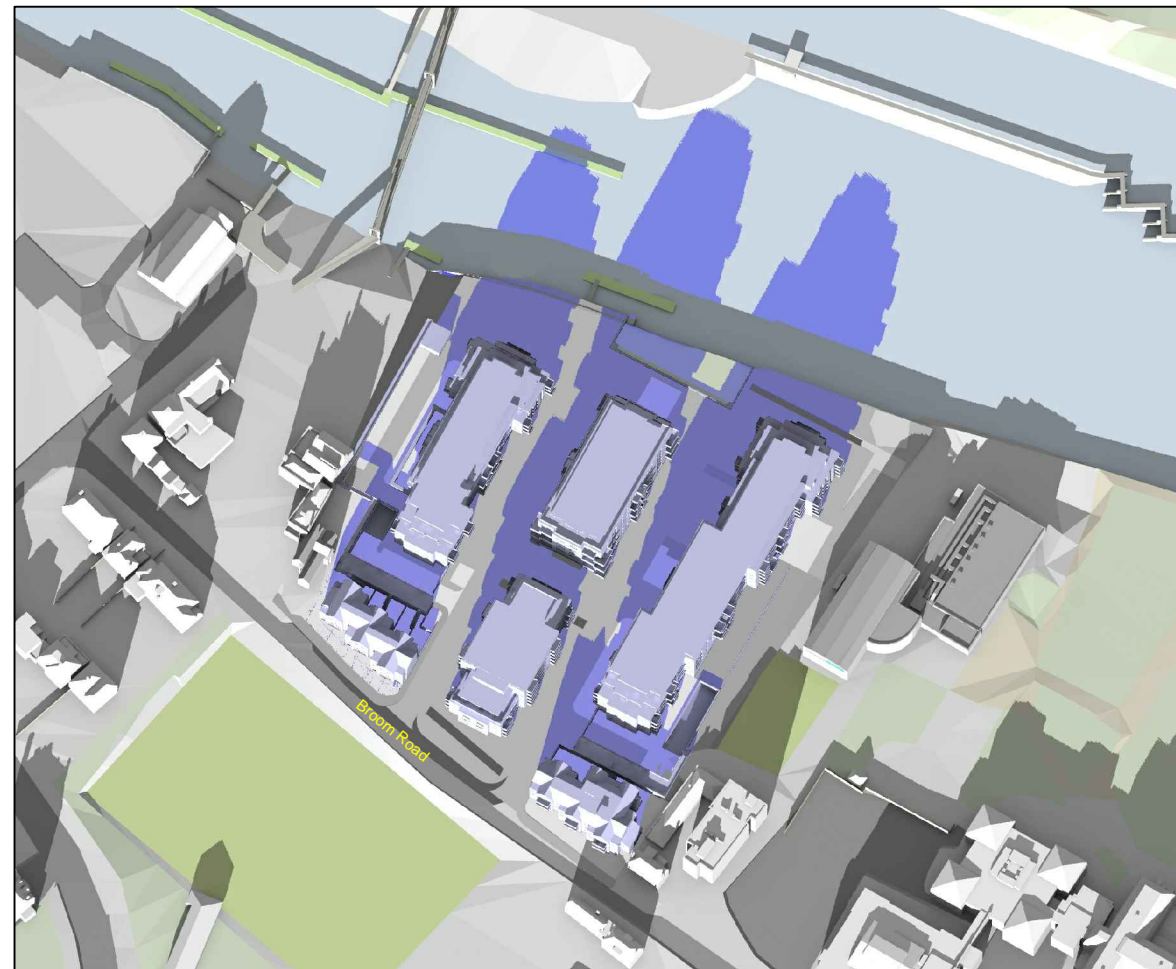
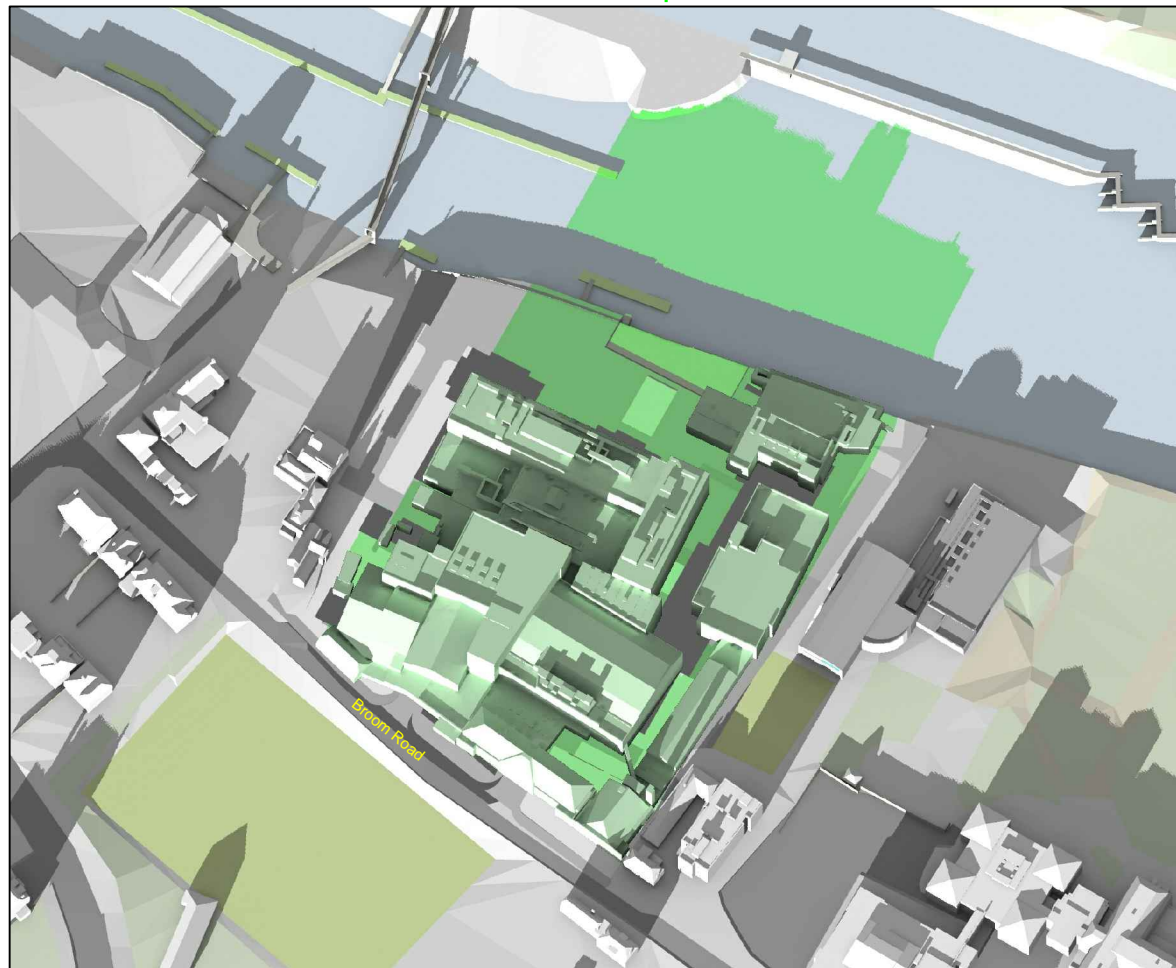


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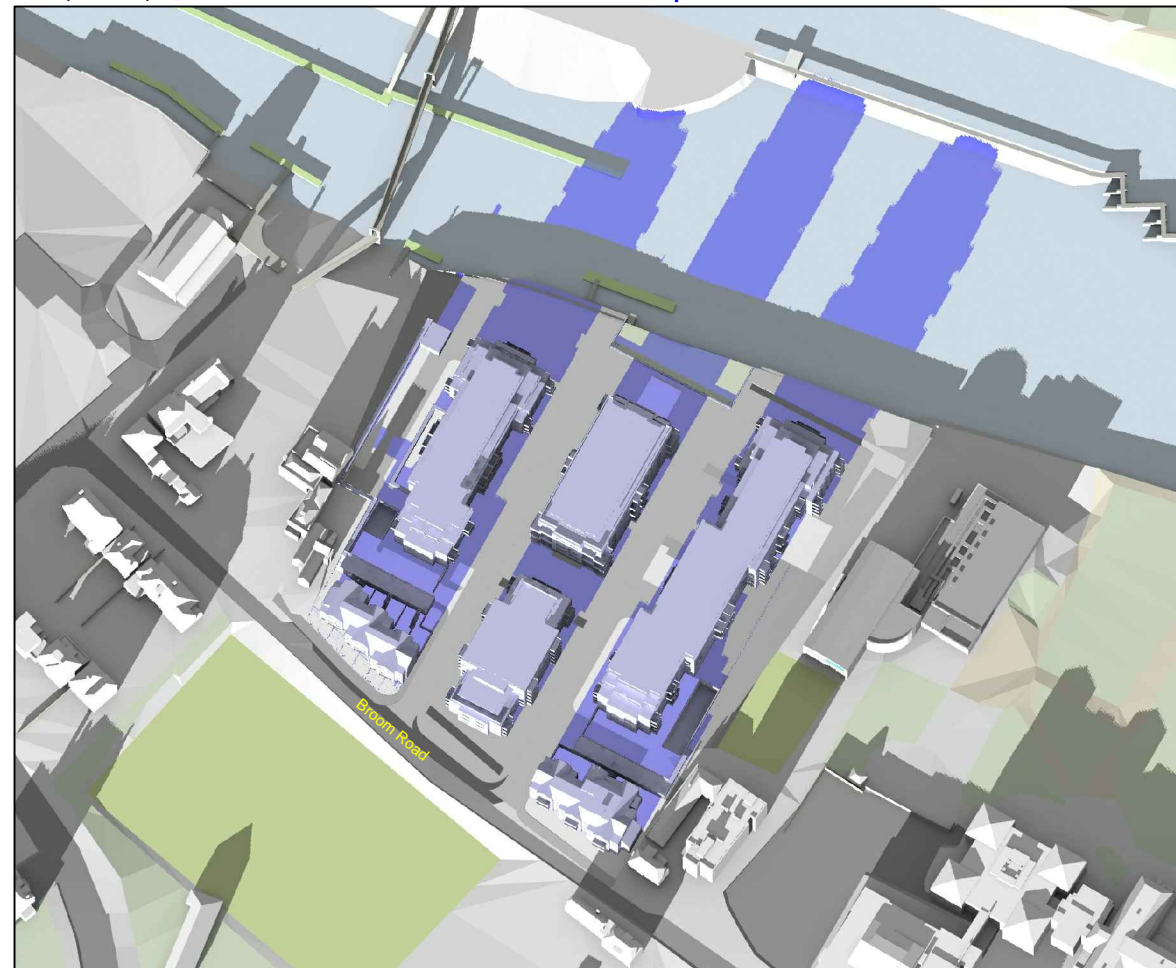
December 21st (GMT)



PROPOSED - 1:00pm



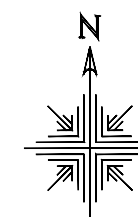
EXISTING - 2:00pm



PROPOSED - 2:00pm

SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside Iteration (1) and (2);
 A15.skp
 Proposed scheme dated 12/12/13:
 A9991D0099-107.dwg

- Grey shadows are those caused by buildings which are not on the site under development.
- Green shadows are those caused specifically by the existing buildings on the site.
- Blue shadows are those caused specifically by the proposed development.



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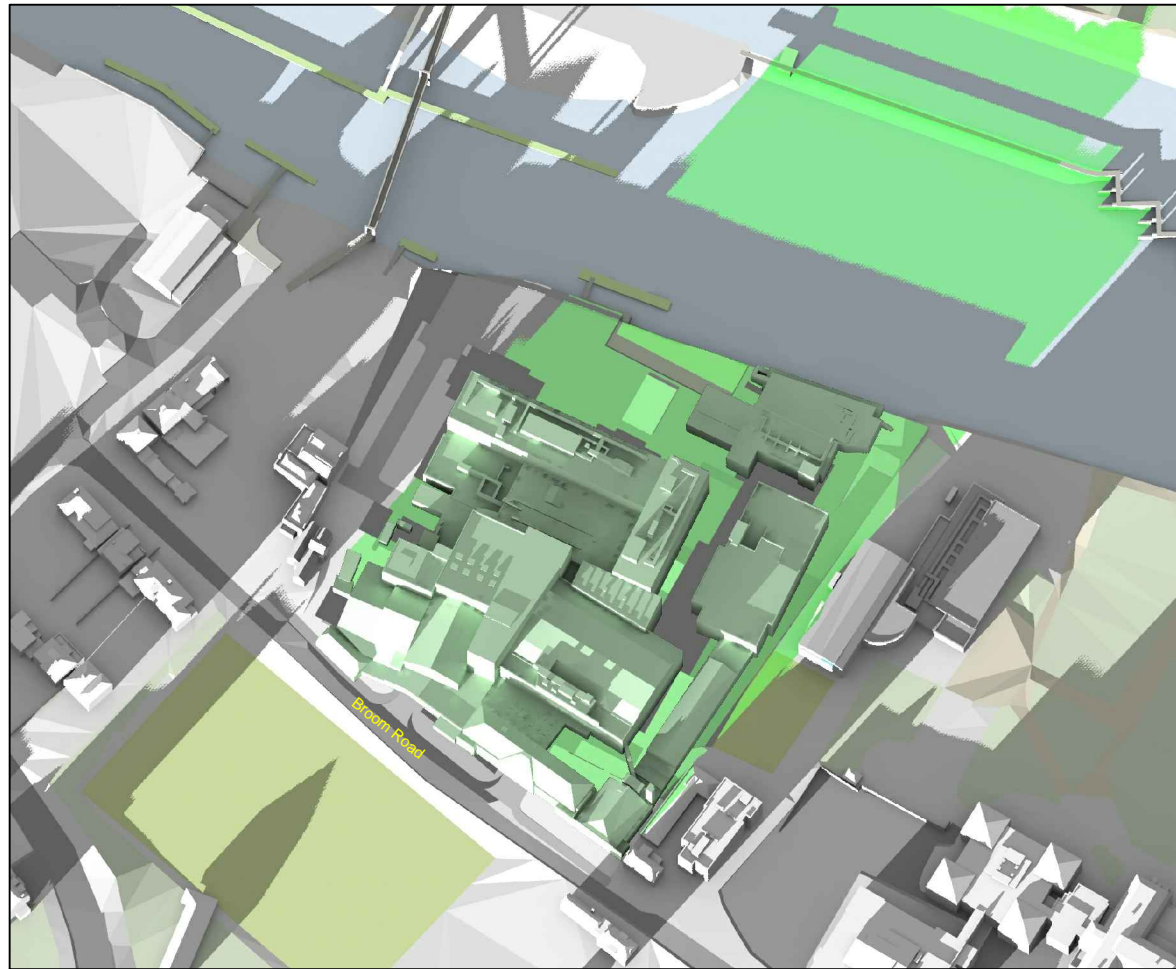
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Project
 TEDDINGTON RIVERSIDE
 LONDON TW11

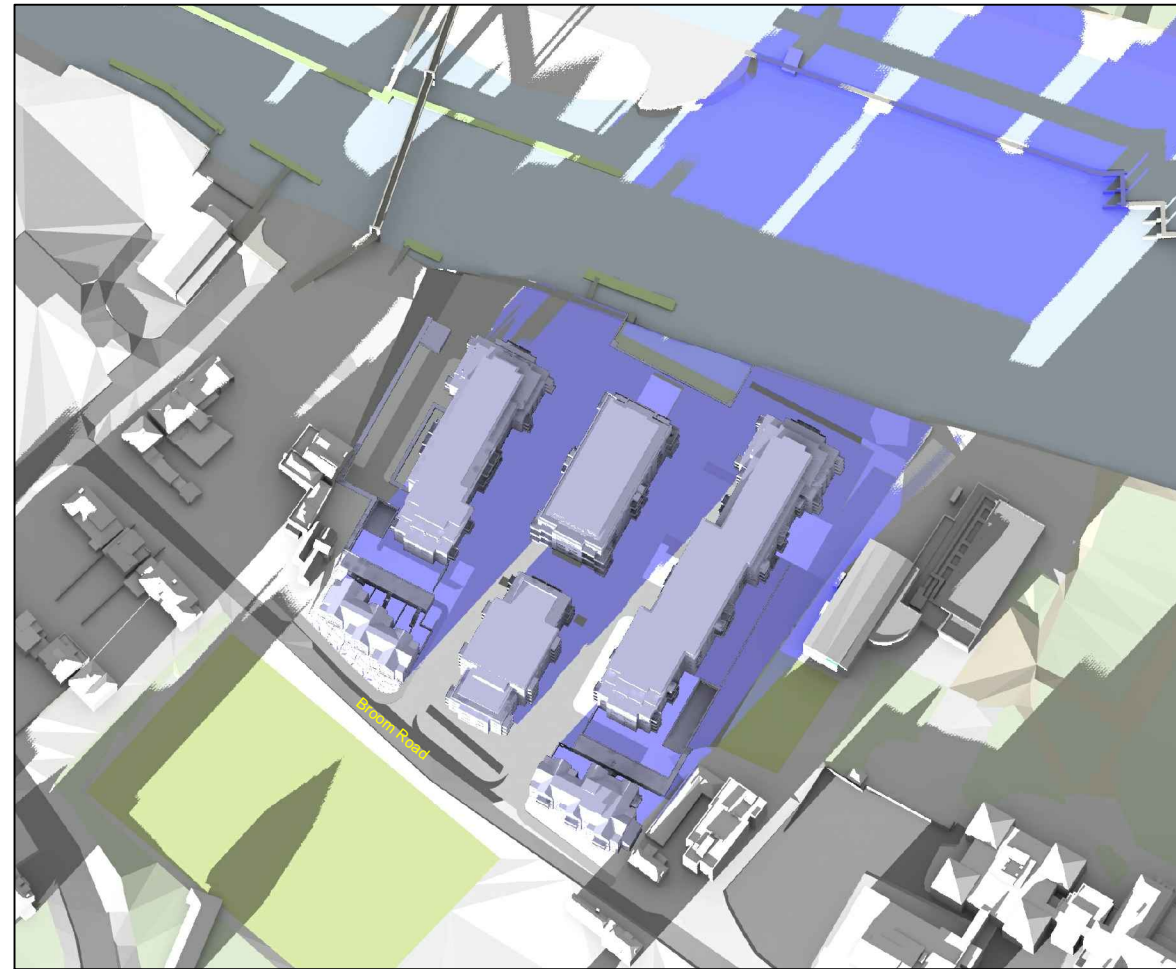
Drawing
 TRANSIENT OVERSHADOWING
 STUDY

Date	JAN/14	Scale	NTS
Drawn By	DR	Checked By	
Drawing No.	SA189/DEC1/03	Rev.	-






EXISTING - 3:00pm

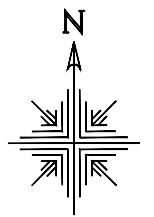
December 21st (GMT)



PROPOSED - 3:00pm

SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside_Iteration _, (1) and (2);
 A15.skp
 Proposed scheme dated 12/12/13:
 A9991D0099-107.dwg

-  Grey shadows are those caused by buildings which are not on the site under development.
-  Green shadows are those caused specifically by the existing buildings on the site.
-  Blue shadows are those caused specifically by the proposed development.



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Project
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 LONDON TW11

Drawing
 TRANSIENT OVERSHADOWING
 STUDY

Date	JAN/14	Scale	NTS
Drawn By	DR	Checked By	
Drawing No.	SA189/DEC1/04	Rev.	-

APPENDIX 2

Daylight/ Sunlight Results

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
Flats to South						
R1/520		W1/520	32.55	32.55	0.00	0.00
R2/520		W2/520	18.31	17.31	1.00	5.46
R3/520		W6/520	25.96	26.39	-0.43	-1.66
R4/520		W3/520	16.61	16.27	0.34	2.05
R4/520		W5/520	27.47	27.31	0.16	0.58
R5/520		W4/520	27.99	28.25	-0.26	-0.93
R6/520		W7/520	27.40	28.28	-0.88	-3.21
R7/520		W8/520	23.97	24.40	-0.43	-1.79
R1/521		W1/521	33.65	33.65	0.00	0.00
R2/521		W2/521	20.96	19.94	1.02	4.87
R3/521		W6/521	31.25	31.66	-0.41	-1.31
R4/521		W4/521	29.00	29.45	-0.45	-1.55
R5/521		W3/521	20.45	20.10	0.35	1.71
R5/521		W5/521	31.37	31.24	0.13	0.41
R6/521		W7/521	31.86	31.79	0.07	0.22
R7/521		W8/521	32.01	31.54	0.47	1.47
R8/521		W9/521	36.84	35.98	0.86	2.33
R1/522		W1/522	34.39	34.39	0.00	0.00
R2/522		W2/522	23.83	23.08	0.75	3.15
R3/522		W4/522	31.66	31.85	-0.19	-0.60
R4/522		W6/522	34.27	34.37	-0.10	-0.29
R5/522		W3/522	23.82	23.51	0.31	1.30
R5/522		W5/522	34.75	34.53	0.22	0.63

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
R6/522		W7/522	34.36	34.07	0.29	0.84
R7/522		W8/522	34.36	33.76	0.60	1.75
R8/522		W9/522	37.87	37.00	0.87	2.30
R1/523		W1/523	36.05	36.05	0.00	0.00
R2/523		W2/523	27.03	26.76	0.27	1.00
R3/523		W4/523	33.98	34.33	-0.35	-1.03
R4/523		W6/523	36.38	36.64	-0.26	-0.71
R5/523		W3/523	28.40	28.25	0.15	0.53
R5/523		W5/523	36.89	36.86	0.03	0.08
R6/523		W7/523	36.24	36.14	0.10	0.28
R7/523		W8/523	36.29	35.80	0.49	1.35
R8/523		W9/523	38.69	37.87	0.82	2.12
R1/530		W1/530	35.96	35.18	0.78	2.17
Lensbury Lodge to South						
R1/540		W1/540	35.68	35.59	0.09	0.25
R1/540		W2/540	15.89	16.65	-0.76	-4.78
R2/540		W3/540	20.83	21.15	-0.32	-1.54
R2/540		W4/540	21.39	22.26	-0.87	-4.07
R3/540		W5/540	18.45	19.38	-0.93	-5.04
R1/541		W1/541	23.25	23.36	-0.11	-0.47
R2/541		W2/541	28.23	28.50	-0.27	-0.96
R2/541		W3/541	28.43	28.92	-0.49	-1.72
The Angler						
R1/551		W1/551	26.38	25.05	1.33	5.04
R2/551		W2/551	32.60	30.85	1.75	5.37

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
R3/551		W3/551	28.59	30.32	-1.73	-6.05
R3/551		W4/551	28.79	30.11	-1.32	-4.58
R4/551		W5/551	28.20	28.54	-0.34	-1.21
R5/551		W6/551	29.13	28.77	0.36	1.24
R5/551		W7/551	29.41	28.58	0.83	2.82
R6/551		W8/551	30.12	27.93	2.19	7.27
R6/551		W9/551	38.32	37.63	0.69	1.80

Room	Room Use	Window	EXISTING		PROPOSED		TOTAL LOSS	%LOSS ADF
			ADF	TOTAL	ADF	TOTAL		
Flats to South								
R1/520		W1/520	0.98	0.98	0.98	0.98	0.00	0.00
R2/520		W2/520	0.06	0.06	0.03	0.03	0.03	55.36
R3/520		W6/520	1.01	1.01	1.03	1.03	-0.02	-1.58
R4/520		W3/520	0.60		0.59			
R4/520		W5/520	0.80	1.39	0.79	1.38	0.01	0.43
R5/520		W4/520	0.86	0.86	0.87	0.87	-0.01	-0.81
R6/520		W7/520	0.77	0.77	0.78	0.78	-0.01	-1.70
R7/520		W8/520	1.23	1.23	1.21	1.21	0.02	1.31
R1/521		W1/521	1.06	1.06	1.06	1.06	0.00	0.00
R2/521		W2/521	0.69	0.69	0.67	0.67	0.03	4.18
R3/521		W6/521	1.01	1.01	1.02	1.02	-0.01	-0.99
R4/521		W4/521	1.17	1.17	1.19	1.19	-0.02	-1.45
R5/521		W3/521	0.72		0.72			
R5/521		W5/521	0.95	1.67	0.94	1.66	0.01	0.42
R6/521		W7/521	0.92	0.92	0.92	0.92	0.00	0.22
R7/521		W8/521	1.58	1.58	1.56	1.56	0.03	1.58
R8/521		W9/521	2.11	2.11	2.07	2.07	0.04	1.80
R1/522		W1/522	1.02	1.02	1.02	1.02	0.00	0.00
R2/522		W2/522	0.74	0.74	0.72	0.72	0.02	2.70
R3/522		W4/522	1.17	1.17	1.18	1.18	-0.01	-0.68
R4/522		W6/522	1.01	1.01	1.01	1.01	0.00	-0.40
R5/522		W3/522	0.75		0.75			
R5/522		W5/522	0.95	1.70	0.95	1.69	0.01	0.47

Room	Room Use	Window	EXISTING		PROPOSED		TOTAL LOSS	%LOSS ADF
			ADF	TOTAL	ADF	TOTAL		
R6/522		W7/522	0.91	0.91	0.90	0.90	0.01	0.66
R7/522		W8/522	1.56	1.56	1.53	1.53	0.03	1.73
R8/522		W9/522	2.01	2.01	1.97	1.97	0.04	1.84
R1/523		W1/523	1.12	1.12	1.12	1.12	0.00	0.00
R2/523		W2/523	0.84	0.84	0.83	0.83	0.01	0.96
R3/523		W4/523	1.31	1.31	1.33	1.33	-0.02	-1.14
R4/523		W6/523	1.13	1.13	1.14	1.14	-0.01	-0.80
R5/523		W3/523	0.90		0.90			
R5/523		W5/523	1.07	1.97	1.07	1.97	0.00	0.05
R6/523		W7/523	1.01	1.01	1.01	1.01	0.00	0.20
R7/523		W8/523	1.74	1.74	1.72	1.72	0.02	1.26
R8/523		W9/523	2.18	2.18	2.14	2.14	0.04	1.74
R1/530		W1/530	0.25	0.25	0.24	0.24	0.01	2.03
Lensbury Lodge to South								
R1/540		W1/540	1.22		1.22			
R1/540		W2/540	0.36	1.58	0.39	1.60	-0.03	-1.65
R2/540		W3/540	0.36		0.37			
R2/540		W4/540	0.37	0.73	0.39	0.75	-0.02	-2.72
R3/540		W5/540	1.22	1.22	1.29	1.29	-0.07	-5.47
R1/541		W1/541	1.22	1.22	1.22	1.22	0.00	-0.33
R2/541		W2/541	0.42		0.43			
R2/541		W3/541	0.42	0.84	0.43	0.86	-0.02	-2.75
The Angler								
R1/551		W1/551	1.54	1.54	1.47	1.47	0.07	4.29
R2/551		W2/551	1.80	1.80	1.71	1.71	0.09	5.10

Room	Room Use	Window	EXISTING		PROPOSED		TOTAL LOSS	%LOSS ADF
			ADF	TOTAL	ADF	TOTAL		
R3/551		W3/551	0.80		0.85			
R3/551		W4/551	0.81	1.61	0.85	1.70	-0.09	-5.73
R4/551		W5/551	0.39	0.39	0.43	0.43	-0.04	-9.46
R5/551		W6/551	0.37		0.39			
R5/551		W7/551	0.37	0.73	0.38	0.77	-0.03	-4.50
R6/551		W8/551	0.69		0.65			
R6/551		W9/551	1.15	1.83	1.14	1.79	0.04	2.29

Room/ Floor	Room Use	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
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Flats to South

R1/520		188.9	170.1	170.1	0.0	0.0
R2/520		68.6	43.1	34.9	8.1	18.8
R3/520		136.3	119.9	126.1	-6.2	-5.2
R4/520		201.8	175.1	165.1	10.0	5.7
R5/520		184.0	154.2	158.4	-4.2	-2.7
R6/520		212.3	164.2	155.5	8.7	5.3
R7/520		96.3	91.3	89.8	1.5	1.6
R1/521		188.9	170.6	170.6	0.0	0.0
R2/521		76.8	66.0	66.7	-0.7	-1.1
R3/521		184.0	178.3	177.6	0.7	0.4
R4/521		136.3	131.0	131.0	0.0	0.0
R5/521		201.8	199.6	199.6	0.0	0.0
R6/521		212.3	193.7	176.1	17.6	9.1
R7/521		96.3	91.3	91.3	0.0	0.0
R8/521		73.2	73.1	73.1	0.0	0.0
R1/522		188.9	170.6	170.6	0.0	0.0
R2/522		76.8	66.9	66.9	0.0	0.0
R3/522		136.3	131.0	131.0	0.0	0.0
R4/522		184.0	178.3	178.3	0.0	0.0
R5/522		201.8	200.5	200.5	0.0	0.0
R6/522		212.3	201.9	188.3	13.5	6.7
R7/522		96.3	91.3	91.3	0.0	0.0
R8/522		73.2	73.1	73.1	0.0	0.0
R1/523		188.9	180.1	180.1	0.0	0.0
R2/523		76.8	73.6	73.6	0.0	0.0
R3/523		136.3	132.3	132.3	0.0	0.0
R4/523		184.0	178.3	178.3	0.0	0.0
R5/523		201.8	201.4	201.4	0.0	0.0
R6/523		212.3	201.9	201.9	0.0	0.0
R7/523		96.3	91.3	91.3	0.0	0.0
R8/523		73.2	73.1	73.1	0.0	0.0
R1/530		87.3	86.4	86.4	0.0	0.0

Lensbury Lodge to South

R1/540		138.5	137.1	137.1	0.0	0.0
R2/540		164.6	152.1	152.1	0.0	0.0
R3/540		62.2	59.9	59.7	0.2	0.3
R1/541		40.5	38.6	38.6	0.0	0.0
R2/541		111.2	107.1	107.1	0.0	0.0

Room/ Floor	Room Use	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
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The Angler

R1/551		139.6	133.0	133.0	0.0	0.0
R2/551		136.0	132.6	132.6	0.0	0.0
R3/551		139.4	137.6	137.9	-0.3	-0.2
R4/551		70.9	46.5	58.5	-12.0	-25.8
R5/551		80.9	62.7	73.8	-11.0	-17.5
R6/551		123.3	120.9	122.1	-1.2	-1.0

Room	Window	Room Use	Window				Window		Room				Room	
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
Flats to South of site														
R1/520	W1/520		25	67	25	67	0.0	0.0	25	67	25	67	0.0	0.0
R4/520	W3/520		5	27	5	25	0.0	7.4						
R4/520	W5/520		1	21	1	19	0.0	9.5	5	27	5	25	0.0	7.4
R1/521	W1/521		27	69	27	69	0.0	0.0	27	69	27	69	0.0	0.0
R5/521	W3/521		6	32	6	29	0.0	9.4						
R5/521	W5/521		4	27	4	24	0.0	11.1	7	33	7	30	0.0	9.1
R1/522	W1/522		27	69	27	69	0.0	0.0	27	69	27	69	0.0	0.0
R5/522	W3/522		9	39	9	38	0.0	2.6						
R5/522	W5/522		6	31	6	29	0.0	6.5	9	39	9	38	0.0	2.6
R1/523	W1/523		27	69	27	69	0.0	0.0	27	69	27	69	0.0	0.0
R5/523	W3/523		9	46	9	46	0.0	0.0						
R5/523	W5/523		6	31	6	31	0.0	0.0	9	46	9	46	0.0	0.0
Lensbury Lodge to South														
R1/540	W1/540		25	75	25	75	0.0	0.0						
R1/540	W2/540		0	0	0	0	-	-	25	75	25	75	0.0	0.0

Room	Window	Room Use	Window						Room						
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH			
The Angler															
R3/551	W3/551		19	54	18	57	5.3	-5.6							
R3/551	W4/551		20	56	17	56	15.0	0.0	20	56	18	57	10.0	-1.8	
R4/551	W5/551		17	52	13	52	23.5	0.0	17	52	13	52	23.5	0.0	
R5/551	W6/551		17	52	14	53	17.6	-1.9							
R5/551	W7/551		19	54	14	53	26.3	1.9	19	54	14	53	26.3	1.9	
R6/551	W8/551		20	54	15	54	25.0	0.0							
R6/551	W9/551		27	81	25	79	7.4	2.5	27	88	25	92	7.4	-4.5	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
Building A					
R1/10	BEDROOM	W1/10	18.71	1.74	
R1/10	BEDROOM	W2/10	33.98	4.78	6.52
R2/10	LKD	W3/10	34.72	4.62	4.62
R3/10	LKD	W4/10	35.52	2.85	
R3/10	LKD	W5/10	35.95	0.85	3.70
R4/10	BEDROOM	W6/10	35.98	4.98	4.98
R5/10	BEDROOM	W7/10	35.50	6.67	6.67
R6/10	BEDROOM	W8/10	34.36	3.09	3.09
R7/10	LKD	W9/10	20.04	0.86	
R7/10	LKD	W10/10	36.81	2.46	3.32
R8/10	BEDROOM	W11/10	34.29	2.98	2.98
R9/10	BEDROOM	W12/10	34.42	2.21	2.21
R10/10	BEDROOM	W13/10	34.67	2.77	2.77
R11/10	BEDROOM	W14/10	37.73	4.65	
R11/10	BEDROOM	W15/10	37.10	4.47	9.12
R12/10	LKD	W16/10	39.55	4.54	4.54
R13/10	LIVINGROOM	W17/10	39.54	4.95	4.95
R14/10	LKD	W18/10	36.98	2.71	
R14/10	LKD	W19/10	26.11	2.07	4.78
R15/10	BEDROOM	W20/10	21.74	1.33	
R15/10	BEDROOM	W21/10	20.38	1.26	2.59
R16/10	BEDROOM	W22/10	19.24	1.89	1.89
R17/10	BEDROOM	W23/10	20.59	2.97	
R17/10	BEDROOM	W24/10	15.04	1.44	4.40
R18/10	BEDROOM	W25/10	20.17	2.02	2.02
R19/10	BEDROOM	W26/10	21.15	3.46	3.46
R20/10	LKD	W27/10	21.96	2.97	2.97
R21/10	LKD	W28/10	22.70	2.39	2.39
R22/10	BEDROOM	W29/10	22.90	2.02	2.02
R1/11	LKD	W1/11	31.58	1.25	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R1/11	LKD	W2/11	35.68	3.13	
R1/11	LKD	W3/11	35.57	1.43	5.81
R2/11	BEDROOM	W4/11	34.47	2.93	2.93
R3/11	LKD	W5/11	29.06	3.01	3.01
R4/11	BEDROOM	W6/11	36.57	4.78	4.78
R5/11	BEDROOM	W7/11	37.06	3.48	3.48
R6/11	BEDROOM	W8/11	37.28	2.71	2.71
R7/11	LKD	W9/11	37.37	1.17	
R7/11	LKD	W10/11	37.53	2.56	3.73
R8/11	LKD	W11/11	37.81	4.92	4.92
R9/11	BEDROOM	W12/11	37.65	2.98	2.98
R10/11	BEDROOM	W13/11	36.62	2.57	2.57
R11/11	BEDROOM	W14/11	30.72	4.54	4.54
R12/11	LKD	W15/11	21.96	0.65	
R12/11	LKD	W16/11	38.71	2.15	2.80
R13/11	BEDROOM	W17/11	36.13	1.94	1.94
R14/11	BEDROOM	W18/11	36.18	2.12	2.12
R15/11	BEDROOM	W19/11	36.23	2.91	2.91
R16/11	KITCHEN	W20/11	38.99	3.16	
R16/11	KITCHEN	W21/11	37.21	2.96	6.12
R17/11	LIVINGROOM	W22/11	39.57	5.26	5.26
R18/11	LIVINGROOM	W23/11	39.56	4.95	4.95
R19/11	LKD	W24/11	37.11	2.68	
R19/11	LKD	W25/11	27.89	2.15	4.82
R20/11	BEDROOM	W26/11	23.84	1.38	
R20/11	BEDROOM	W27/11	22.64	1.33	2.71
R21/11	BEDROOM	W28/11	21.67	1.77	1.77
R22/11	BEDROOM	W29/11	22.97	3.26	
R22/11	BEDROOM	W30/11	17.09	1.34	4.60
R23/11	BEDROOM	W31/11	18.34	2.85	2.85
R24/11	BEDROOM	W32/11	23.35	2.36	2.36

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R25/11	BEDROOM	W33/11	24.33	1.94	1.94
R26/11	LKD	W34/11	24.49	2.99	2.99
R27/11	LKD	W35/11	25.16	2.24	
R27/11	LKD	W36/11	25.34	1.04	3.27
R28/11	BEDROOM	W37/11	25.58	2.59	2.59
R29/11	BEDROOM	W38/11	24.87	1.98	1.98
R30/11	LKD	W39/11	16.88	0.95	
R30/11	LKD	W40/11	26.86	2.68	3.63
R31/11	BEDROOM	W41/11	27.40	2.33	2.33
R32/11	LKD	W42/11	27.54	1.13	
R32/11	LKD	W43/11	27.19	2.48	
R32/11	LKD	W44/11	30.32	1.23	4.84
R33/11	BEDROOM	W45/11	33.60	4.69	4.69
R34/11	BEDROOM	W46/11	33.72	4.70	4.70
R1/12	LKD	W1/12	34.93	1.34	
R1/12	LKD	W2/12	37.96	3.31	
R1/12	LKD	W3/12	37.21	1.51	6.15
R2/12	BEDROOM	W4/12	36.09	3.08	3.08
R3/12	LKD	W5/12	30.70	3.15	3.15
R4/12	BEDROOM	W6/12	38.03	4.99	4.99
R5/12	BEDROOM	W7/12	38.03	3.60	3.60
R6/12	BEDROOM	W8/12	38.12	2.79	2.79
R7/12	LKD	W9/12	38.25	1.20	
R7/12	LKD	W10/12	38.32	2.63	3.83
R8/12	LKD	W11/12	38.47	5.04	5.04
R9/12	BEDROOM	W12/12	38.36	3.02	3.02
R10/12	BEDROOM	W13/12	37.92	2.62	2.62
R11/12	BEDROOM	W14/12	33.81	4.94	4.94
R12/12	LKD	W15/12	24.68	0.70	
R12/12	LKD	W16/12	39.21	2.17	2.87
R13/12	BEDROOM	W17/12	35.73	1.86	1.86

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R14/12	BEDROOM	W18/12	35.75	2.04	2.04
R15/12	BEDROOM	W19/12	35.77	2.80	2.80
R16/12	KITCHEN	W20/12	39.33	3.18	
R16/12	KITCHEN	W21/12	37.71	2.98	6.16
R17/12	LIVINGROOM	W22/12	39.58	5.67	5.67
R18/12	LIVINGROOM	W23/12	39.57	5.34	5.34
R19/12	LKD	W24/12	37.64	2.69	
R19/12	LKD	W25/12	29.93	2.27	4.96
R20/12	BEDROOM	W26/12	25.32	1.40	
R20/12	BEDROOM	W27/12	24.28	1.35	2.75
R21/12	BEDROOM	W28/12	23.47	1.83	1.83
R22/12	BEDROOM	W29/12	25.74	3.56	
R22/12	BEDROOM	W30/12	19.94	1.46	5.02
R23/12	BEDROOM	W31/12	22.89	3.38	3.38
R24/12	BEDROOM	W32/12	26.52	2.58	2.58
R25/12	BEDROOM	W33/12	26.98	2.11	2.11
R26/12	LKD	W34/12	26.99	3.24	3.24
R27/12	LKD	W35/12	27.56	2.41	
R27/12	LKD	W36/12	27.72	1.12	3.53
R28/12	BEDROOM	W37/12	27.93	2.79	2.79
R29/12	BEDROOM	W38/12	27.15	2.13	2.13
R30/12	LKD	W39/12	18.78	1.01	
R30/12	LKD	W40/12	29.02	2.90	3.92
R31/12	BEDROOM	W41/12	29.49	2.53	2.53
R32/12	LKD	W42/12	29.78	1.23	
R32/12	LKD	W43/12	30.10	2.70	
R32/12	LKD	W44/12	33.56	1.32	5.24
R33/12	BEDROOM	W45/12	36.59	5.03	5.03
R34/12	BEDROOM	W46/12	36.79	5.06	5.06

Building B

R1/20	BEDROOM	W1/20	25.26	2.08	2.08
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Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R2/20	BEDROOM	W2/20	25.30	2.29	2.29
R3/20	BEDROOM	W3/20	25.99	1.48	1.48
R4/20	LKD	W4/20	26.52	2.84	2.84
R5/20	BEDROOM	W5/20	27.65	1.91	1.91
R6/20	BEDROOM	W6/20	28.24	1.76	1.76
R7/20	BEDROOM	W7/20	29.01	2.62	2.62
R8/20	BEDROOM	W8/20	29.56	2.09	2.09
R9/20	LIVINGROOM	W9/20	31.47	4.44	
R9/20	LIVINGROOM	W10/20	38.55	1.86	
R9/20	LIVINGROOM	W11/20	35.73	1.32	7.62
R10/20	KITCHEN	W12/20	39.05	3.81	3.81
R11/20	KITCHEN	W13/20	38.82	3.78	3.78
R12/20	LIVINGROOM	W14/20	34.39	1.31	
R12/20	LIVINGROOM	W15/20	36.93	1.80	
R12/20	LIVINGROOM	W16/20	24.94	3.69	6.80
R13/20	BEDROOM	W17/20	24.03	1.76	1.76
R14/20	BEDROOM	W18/20	23.84	1.85	1.85
R15/20	BEDROOM	W19/20	23.66	1.27	1.27
R16/20	BEDROOM	W20/20	23.25	1.38	1.38
R17/20	BEDROOM	W21/20	22.34	3.65	3.65
R18/20	LKD	W22/20	21.80	1.92	
R18/20	LKD	W23/20	21.75	0.71	2.63
R19/20	BEDROOM	W24/20	21.47	1.29	1.29
R20/20	BEDROOM	W25/20	20.68	1.91	1.91
R21/20	BEDROOM	W26/20	20.54	1.74	1.74
R22/20	LKD	W27/20	20.17	1.71	
R22/20	LKD	W28/20	23.68	0.69	
R22/20	LKD	W29/20	21.67	0.50	
R22/20	LKD	W30/20	11.03	0.59	3.49
R23/20	LKD	W31/20	11.44	0.61	
R23/20	LKD	W32/20	22.88	0.52	
R23/20	LKD	W33/20	25.21	0.73	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R23/20	LKD	W34/20	25.13	2.03	3.88
R1/21	BEDROOM	W1/21	28.48	1.86	1.86
R2/21	BEDROOM	W2/21	28.52	1.98	1.98
R3/21	BEDROOM	W3/21	29.19	1.68	1.68
R4/21	LKD	W4/21	29.33	0.79	
R4/21	LKD	W5/21	29.14	2.12	2.92
R5/21	BEDROOM	W6/21	29.54	3.53	3.53
R6/21	BEDROOM	W7/21	30.56	1.70	1.70
R7/21	BEDROOM	W8/21	31.05	1.61	1.61
R8/21	BEDROOM	W9/21	31.56	2.27	2.27
R9/21	BEDROOM	W10/21	31.98	2.23	2.23
R10/21	LIVINGROOM	W11/21	33.79	3.97	
R10/21	LIVINGROOM	W12/21	38.62	1.58	
R10/21	LIVINGROOM	W13/21	35.74	1.85	7.39
R11/21	KITCHEN	W14/21	39.18	4.02	4.02
R12/21	KITCHEN	W15/21	39.00	4.01	4.01
R13/21	LIVINGROOM	W16/21	34.66	1.84	
R13/21	LIVINGROOM	W17/21	37.40	1.54	
R13/21	LIVINGROOM	W18/21	28.01	3.39	6.77
R14/21	BEDROOM	W19/21	26.80	1.93	1.93
R15/21	BEDROOM	W20/21	26.63	1.98	1.98
R16/21	BEDROOM	W21/21	26.55	1.42	1.42
R17/21	BEDROOM	W22/21	26.17	1.51	1.51
R18/21	BEDROOM	W23/21	25.26	4.02	4.02
R19/21	LKD	W24/21	24.76	1.87	
R19/21	LKD	W25/21	24.80	0.70	2.57
R20/21	BEDROOM	W26/21	24.54	1.47	1.47
R21/21	BEDROOM	W27/21	23.73	1.71	1.71
R22/21	BEDROOM	W28/21	23.61	1.61	1.61
R23/21	LIVINGROOM	W29/21	23.78	3.02	
R23/21	LIVINGROOM	W30/21	27.11	1.19	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R23/21	LIVINGROOM	W31/21	23.60	1.39	5.61
R24/21	KITCHEN	W32/21	24.72	2.83	2.83
R25/21	KITCHEN	W33/21	25.02	2.85	2.85
R26/21	LIVINGROOM	W34/21	25.27	1.47	
R26/21	LIVINGROOM	W35/21	28.65	1.26	
R26/21	LIVINGROOM	W36/21	28.90	3.54	6.26
R1/22	BEDROOM	W1/22	31.83	2.04	2.04
R2/22	BEDROOM	W2/22	31.86	2.17	2.17
R3/22	BEDROOM	W3/22	32.48	1.85	1.85
R4/22	LKD	W4/22	32.60	0.87	
R4/22	LKD	W5/22	32.33	2.31	3.18
R5/22	BEDROOM	W6/22	32.66	3.83	3.83
R6/22	BEDROOM	W7/22	33.54	1.85	1.85
R7/22	BEDROOM	W8/22	33.91	1.74	1.74
R8/22	BEDROOM	W9/22	34.18	2.42	2.42
R9/22	BEDROOM	W10/22	34.47	2.38	2.38
R10/22	LIVINGROOM	W11/22	35.50	4.92	
R10/22	LIVINGROOM	W12/22	38.68	1.86	
R10/22	LIVINGROOM	W13/22	35.76	1.32	8.10
R11/22	KITCHEN	W14/22	39.31	4.03	4.03
R12/22	KITCHEN	W15/22	39.18	4.02	4.02
R13/22	LIVINGROOM	W16/22	35.04	1.32	
R13/22	LIVINGROOM	W17/22	37.76	1.83	
R13/22	LIVINGROOM	W18/22	30.40	4.32	7.47
R14/22	BEDROOM	W19/22	29.76	2.10	2.10
R15/22	BEDROOM	W20/22	29.61	2.15	2.15
R16/22	BEDROOM	W21/22	29.62	1.56	1.56
R17/22	BEDROOM	W22/22	29.30	1.66	1.66
R18/22	BEDROOM	W23/22	28.43	3.42	3.42
R19/22	LKD	W24/22	27.99	2.06	
R19/22	LKD	W25/22	28.14	0.78	2.83

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R20/22	BEDROOM	W26/22	27.93	1.64	1.64
R21/22	BEDROOM	W27/22	27.13	1.91	1.91
R22/22	BEDROOM	W28/22	27.03	1.79	1.79
R23/22	LIVINGROOM	W29/22	26.76	3.97	
R23/22	LIVINGROOM	W30/22	29.91	1.53	
R23/22	LIVINGROOM	W31/22	27.49	1.10	6.60
R24/22	KITCHEN	W32/22	28.86	3.17	3.17
R25/22	KITCHEN	W33/22	29.15	3.20	3.20
R26/22	LIVINGROOM	W34/22	29.01	1.15	
R26/22	LIVINGROOM	W35/22	31.38	1.60	
R26/22	LIVINGROOM	W36/22	31.81	4.56	7.30
R1/23	BEDROOM	W1/23	35.11	2.22	2.22
R2/23	BEDROOM	W2/23	35.12	2.36	2.36
R3/23	BEDROOM	W3/23	35.65	2.01	2.01
R4/23	LKD	W4/23	35.73	0.94	
R4/23	LKD	W5/23	35.44	2.50	3.45
R5/23	BEDROOM	W6/23	35.67	4.13	4.13
R6/23	BEDROOM	W7/23	36.34	1.98	1.98
R7/23	BEDROOM	W8/23	36.57	1.86	1.86
R8/23	BEDROOM	W9/23	36.63	2.57	2.57
R9/23	BEDROOM	W10/23	36.80	2.52	2.52
R10/23	LIVINGROOM	W11/23	37.62	4.37	
R10/23	LIVINGROOM	W12/23	38.79	1.58	
R10/23	LIVINGROOM	W13/23	35.80	1.85	7.80
R11/23	KITCHEN	W14/23	39.43	4.04	4.04
R12/23	KITCHEN	W15/23	39.36	4.03	4.03
R13/23	LIVINGROOM	W16/23	35.33	1.84	
R13/23	LIVINGROOM	W17/23	38.28	1.57	
R13/23	LIVINGROOM	W18/23	33.68	3.96	7.37
R14/23	BEDROOM	W19/23	32.76	2.28	2.28
R15/23	BEDROOM	W20/23	32.64	2.33	2.33
R16/23	BEDROOM	W21/23	32.76	1.70	1.70

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R17/23	BEDROOM	W22/23	32.53	1.81	1.81
R18/23	BEDROOM	W23/23	31.73	3.74	3.74
R19/23	LKD	W24/23	31.40	2.26	
R19/23	LKD	W25/23	31.64	0.86	3.11
R20/23	BEDROOM	W26/23	31.48	1.82	1.82
R21/23	BEDROOM	W27/23	30.74	2.11	2.11
R22/23	BEDROOM	W28/23	30.68	1.99	1.99
R23/23	LIVINGROOM	W29/23	31.05	3.75	
R23/23	LIVINGROOM	W30/23	33.69	1.42	
R23/23	LIVINGROOM	W31/23	30.25	1.66	6.83
R24/23	KITCHEN	W32/23	33.16	3.53	3.53
R25/23	KITCHEN	W33/23	33.41	3.55	3.55
R26/23	LIVINGROOM	W34/23	31.56	1.71	
R26/23	LIVINGROOM	W35/23	34.90	1.47	
R26/23	LIVINGROOM	W36/23	35.60	4.22	7.40
R1/24	BEDROOM	W1/24	37.95	2.38	2.38
R2/24	BEDROOM	W2/24	37.95	2.54	2.54
R3/24	BEDROOM	W3/24	38.35	2.15	2.15
R4/24	LKD	W4/24	38.38	1.01	
R4/24	LKD	W5/24	38.09	2.67	3.68
R5/24	BEDROOM	W6/24	38.19	4.39	4.39
R6/24	BEDROOM	W7/24	38.60	2.10	2.10
R7/24	BEDROOM	W8/24	38.68	1.96	1.96
R8/24	BEDROOM	W9/24	38.56	2.69	2.69
R9/24	BEDROOM	W10/24	38.62	2.64	2.64
R10/24	LIVINGROOM	W11/24	38.81	5.34	
R10/24	LIVINGROOM	W12/24	38.94	1.86	
R10/24	LIVINGROOM	W13/24	36.03	1.32	8.53
R11/24	KITCHEN	W14/24	39.54	4.05	4.05
R12/24	KITCHEN	W15/24	39.51	4.04	4.04
R13/24	LIVINGROOM	W16/24	35.86	1.32	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R13/24	LIVINGROOM	W17/24	38.68	1.86	
R13/24	LIVINGROOM	W18/24	35.98	4.99	8.16
R14/24	BEDROOM	W19/24	35.65	2.46	2.46
R15/24	BEDROOM	W20/24	35.57	2.51	2.51
R16/24	BEDROOM	W21/24	35.77	1.83	1.83
R17/24	BEDROOM	W22/24	35.63	1.97	1.97
R18/24	BEDROOM	W23/24	34.98	4.06	4.06
R19/24	LKD	W24/24	34.76	2.46	
R19/24	LKD	W25/24	35.09	0.94	3.40
R20/24	BEDROOM	W26/24	34.99	1.99	1.99
R21/24	BEDROOM	W27/24	34.35	2.32	2.32
R22/24	BEDROOM	W28/24	34.32	2.18	2.18
R23/24	LIVINGROOM	W29/24	34.21	4.85	
R23/24	LIVINGROOM	W30/24	36.21	1.78	
R23/24	LIVINGROOM	W31/24	33.81	1.28	7.90
R24/24	KITCHEN	W32/24	36.75	3.84	3.84
R25/24	KITCHEN	W33/24	36.92	3.86	3.86
R26/24	LIVINGROOM	W34/24	34.60	1.30	
R26/24	LIVINGROOM	W35/24	37.06	1.82	
R26/24	LIVINGROOM	W36/24	37.98	5.32	8.44
R1/25	BEDROOM	W1/25	39.60	2.47	2.47
R2/25	BEDROOM	W2/25	39.60	2.63	2.63
R3/25	BEDROOM	W3/25	39.61	2.22	2.22
R4/25	LKD	W4/25	39.61	1.04	
R4/25	LKD	W5/25	39.61	2.77	3.81
R5/25	BEDROOM	W6/25	39.61	4.54	4.54
R6/25	BEDROOM	W7/25	39.61	2.15	2.15
R7/25	BEDROOM	W8/25	39.61	2.00	2.00
R8/25	BEDROOM	W9/25	39.61	2.75	2.75
R9/25	BEDROOM	W10/25	39.61	2.70	2.70
R10/25	LIVINGROOM	W11/25	39.61	4.59	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R10/25	LIVINGROOM	W12/25	39.36	1.58	
R10/25	LIVINGROOM	W13/25	37.07	1.89	8.07
R11/25	KITCHEN	W14/25	39.60	4.05	4.05
R12/25	KITCHEN	W15/25	39.59	4.05	4.05
R13/25	LIVINGROOM	W16/25	37.01	1.89	
R13/25	LIVINGROOM	W17/25	39.31	1.58	
R13/25	LIVINGROOM	W18/25	38.62	4.48	7.96
R14/25	BEDROOM	W19/25	38.18	2.62	2.62
R15/25	BEDROOM	W20/25	38.15	2.67	2.67
R16/25	BEDROOM	W21/25	38.42	1.96	1.96
R17/25	BEDROOM	W22/25	38.38	2.10	2.10
R18/25	BEDROOM	W23/25	37.92	4.37	4.37
R19/25	LKD	W24/25	37.84	2.66	
R19/25	LKD	W25/25	38.21	1.01	3.67
R20/25	BEDROOM	W26/25	38.18	2.16	2.16
R21/25	BEDROOM	W27/25	37.68	2.52	2.52
R22/25	BEDROOM	W28/25	37.67	2.37	2.37
R23/25	LIVINGROOM	W29/25	38.10	4.49	
R23/25	LIVINGROOM	W30/25	38.97	1.59	
R23/25	LIVINGROOM	W31/25	36.62	1.91	7.99
R24/25	KITCHEN	W32/25	39.30	4.06	4.06
R25/25	KITCHEN	W33/25	39.36	4.06	4.06
R26/25	LIVINGROOM	W34/25	37.01	1.92	
R26/25	LIVINGROOM	W35/25	39.27	1.60	
R26/25	LIVINGROOM	W36/25	39.60	4.66	8.19
Building C					
R1/40	BEDROOM	W1/40	22.93	2.09	2.09
R2/40	BEDROOM	W2/40	22.99	2.25	2.25
R3/40	LKD	W3/40	23.30	2.90	2.90
R4/40	BEDROOM	W4/40	23.89	2.59	2.59
R5/40	LKD	W5/40	23.62	2.94	2.94

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R6/40	BEDROOM	W6/40	23.03	5.26	5.26
R7/40	BEDROOM	W7/40	21.95	1.47	1.47
R8/40	LKD	W8/40	17.87	1.59	1.59
R9/40	BEDROOM	W9/40	21.36	3.01	3.01
R10/40	LKD	W10/40	24.52	3.02	3.02
R11/40	BEDROOM	W11/40	25.90	2.30	2.30
R12/40	BEDROOM	W12/40	25.68	2.17	2.17
R13/40	BEDROOM	W13/40	28.47	1.81	1.81
R14/40	BEDROOM	W14/40	29.33	2.49	2.49
R15/40	BEDROOM	W15/40	30.12	2.86	2.86
R16/40	LIVINGROOM	W16/40	33.75	3.25	
R16/40	LIVINGROOM	W17/40	37.08	3.56	6.81
R17/40	KITCHEN	W18/40	39.61	4.56	4.56
R18/40	LKD	W19/40	39.60	4.39	4.39
R19/40	BEDROOM	W20/40	37.05	4.33	
R19/40	BEDROOM	W21/40	36.93	4.28	8.60
R20/40	BEDROOM	W22/40	33.78	2.65	2.65
R21/40	BEDROOM	W23/40	33.42	2.10	2.10
R22/40	BEDROOM	W24/40	33.53	2.81	2.81
R23/40	LKD	W25/40	35.15	2.25	
R23/40	LKD	W26/40	19.58	0.81	3.06
R24/40	BEDROOM	W27/40	31.99	2.60	2.60
R25/40	BEDROOM	W28/40	33.10	2.81	2.81
R26/40	LKD	W29/40	33.49	3.83	3.83
R27/40	BEDROOM	W30/40	33.43	3.03	3.03
R28/40	LKD	W31/40	33.40	1.80	1.80
R29/40	LKD	W32/40	33.46	2.07	
R29/40	LKD	W33/40	19.20	0.64	2.71
R30/40	BEDROOM	W34/40	24.07	2.04	2.04

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R31/40	BEDROOM	W35/40	33.53	2.74	2.74
R32/40	BEDROOM	W36/40	34.37	5.00	5.00
R33/40	LKD	W37/40	35.39	4.11	4.11
R34/40	BEDROOM	W38/40	28.27	2.53	2.53
R35/40	BEDROOM	W39/40	33.29	2.72	2.72
R36/40	LKD	W40/40	35.11	4.12	4.12
R37/40	BEDROOM	W41/40	35.33	3.21	3.21
R38/40	BEDROOM	W42/40	35.27	3.03	3.03
R39/40	LKD	W43/40	34.92	2.28	
R39/40	LKD	W44/40	26.34	0.99	
R39/40	LKD	W45/40	28.65	1.95	5.22
R40/40	LKD	W46/40	29.08	1.98	
R40/40	LKD	W47/40	27.15	1.02	
R40/40	LKD	W48/40	23.20	1.63	4.63
R1/41	BEDROOM	W1/41	26.64	2.01	2.01
R2/41	BEDROOM	W2/41	26.66	2.12	2.12
R3/41	LKD	W3/41	26.54	2.99	2.99
R4/41	BEDROOM	W4/41	27.32	1.96	1.96
R5/41	BEDROOM	W5/41	27.51	1.96	1.96
R6/41	BEDROOM	W6/41	23.08	1.43	1.43
R7/41	BEDROOM	W7/41	25.73	1.78	1.78
R8/41	LKD	W8/41	26.14	3.39	3.39
R9/41	LKD	W9/41	25.56	1.78	
R9/41	LKD	W10/41	25.23	0.86	2.64
R10/41	BEDROOM	W11/41	24.77	1.66	1.66
R11/41	BEDROOM	W12/41	24.51	1.58	1.58
R12/41	BEDROOM	W13/41	19.35	1.52	1.52
R13/41	BEDROOM	W14/41	24.09	1.89	1.89
R14/41	LKD	W15/41	26.62	3.19	3.19
R15/41	BEDROOM	W16/41	28.08	2.06	2.06

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R16/41	BEDROOM	W17/41	27.76	2.10	2.10
R17/41	LKD	W18/41	22.51	2.38	2.38
R18/41	BEDROOM	W19/41	31.14	4.07	4.07
R19/41	BEDROOM	W20/41	29.83	2.24	2.24
R20/41	BEDROOM	W21/41	30.59	1.63	
R20/41	BEDROOM	W22/41	31.28	1.66	3.29
R21/41	KITCHEN	W23/41	34.71	2.40	
R21/41	KITCHEN	W24/41	37.12	2.60	5.00
R22/41	LIVINGROOM	W25/41	39.62	4.80	4.80
R23/41	LIVINGROOM	W26/41	39.62	3.37	
R23/41	LIVINGROOM	W27/41	39.62	1.53	4.89
R24/41	KITCHEN	W28/41	37.12	2.87	
R24/41	KITCHEN	W29/41	38.30	2.93	5.80
R25/41	BEDROOM	W30/41	37.18	2.61	2.61
R26/41	BEDROOM	W31/41	37.01	1.90	1.90
R27/41	BEDROOM	W32/41	36.81	1.72	1.72
R28/41	LKD	W33/41	37.31	2.01	2.01
R29/41	BEDROOM	W34/41	27.99	4.01	4.01
R30/41	BEDROOM	W35/41	34.77	2.50	2.50
R31/41	BEDROOM	W36/41	35.97	2.39	2.39
R32/41	LKD	W37/41	36.14	4.77	4.77
R33/41	BEDROOM	W38/41	36.40	2.25	2.25
R34/41	BEDROOM	W39/41	36.41	2.93	2.93
R35/41	LKD	W40/41	36.14	2.22	
R35/41	LKD	W41/41	20.24	0.69	2.91
R36/41	BEDROOM	W42/41	28.22	3.90	3.90
R37/41	BEDROOM	W43/41	33.00	3.39	3.39
R38/41	BEDROOM	W44/41	35.84	2.61	2.61
R39/41	KITCHEN	W45/41	36.53	2.91	2.91

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R40/41	LIVINGROOM	W46/41	36.88	3.38	3.38
R41/41	LIVINGROOM	W47/41	37.05	3.25	3.25
R42/41	KITCHEN	W48/41	37.42	2.92	2.92
R43/41	BEDROOM	W49/41	37.52	2.65	2.65
R44/41	BEDROOM	W50/41	37.45	4.02	4.02
R45/41	BEDROOM	W51/41	37.46	3.71	
R45/41	BEDROOM	W52/41	19.98	1.09	4.79
R46/41	BEDROOM	W53/41	29.18	2.14	2.14
R47/41	BEDROOM	W54/41	34.60	2.53	2.53
R48/41	LKD	W55/41	36.40	4.12	4.12
R49/41	BEDROOM	W56/41	36.85	2.82	2.82
R50/41	BEDROOM	W57/41	36.89	2.67	2.67
R51/41	LKD	W58/41	36.55	2.40	
R51/41	LKD	W59/41	30.12	0.93	
R51/41	LKD	W60/41	32.62	2.15	5.48
R52/41	LKD	W61/41	32.82	2.17	
R52/41	LKD	W62/41	30.26	0.95	
R52/41	LKD	W63/41	26.54	1.81	4.93
R1/42	BEDROOM	W1/42	30.21	2.24	2.24
R2/42	BEDROOM	W2/42	30.19	2.36	2.36
R3/42	LKD	W3/42	29.96	3.30	3.30
R4/42	BEDROOM	W4/42	30.58	2.16	2.16
R5/42	BEDROOM	W5/42	30.64	2.15	2.15
R6/42	BEDROOM	W6/42	25.35	1.54	1.54
R7/42	BEDROOM	W7/42	28.34	1.92	1.92
R8/42	LKD	W8/42	28.80	3.66	3.66
R9/42	LKD	W9/42	28.22	1.92	
R9/42	LKD	W10/42	27.90	0.94	2.86
R10/42	BEDROOM	W11/42	27.49	1.81	1.81
R11/42	BEDROOM	W12/42	27.24	1.73	1.73

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R12/42	BEDROOM	W13/42	21.20	1.63	1.63
R13/42	BEDROOM	W14/42	26.37	2.02	2.02
R14/42	LKD	W15/42	28.89	3.39	3.39
R15/42	BEDROOM	W16/42	30.30	2.17	2.17
R16/42	BEDROOM	W17/42	30.04	2.21	2.21
R17/42	LKD	W18/42	24.57	2.52	2.52
R18/42	BEDROOM	W19/42	32.64	4.23	4.23
R19/42	BEDROOM	W20/42	31.14	2.31	2.31
R20/42	BEDROOM	W21/42	31.78	1.67	
R20/42	BEDROOM	W22/42	32.36	1.70	3.38
R21/42	KITCHEN	W23/42	35.69	2.45	
R21/42	KITCHEN	W24/42	37.27	2.60	5.06
R22/42	LIVINGROOM	W25/42	39.62	4.80	4.80
R23/42	LIVINGROOM	W26/42	39.62	5.10	5.10
R24/42	KITCHEN	W27/42	37.26	2.87	
R24/42	KITCHEN	W28/42	38.99	2.98	5.85
R25/42	BEDROOM	W29/42	37.99	2.65	2.65
R26/42	BEDROOM	W30/42	37.96	1.93	1.93
R27/42	BEDROOM	W31/42	37.89	1.76	1.76
R28/42	LKD	W32/42	38.70	2.08	2.08
R29/42	BEDROOM	W33/42	29.98	4.20	4.20
R30/42	BEDROOM	W34/42	37.00	2.62	2.62
R31/42	BEDROOM	W35/42	38.09	2.50	2.50
R32/42	LKD	W36/42	38.34	5.02	5.02
R33/42	BEDROOM	W37/42	38.59	2.37	2.37
R34/42	BEDROOM	W38/42	38.61	3.09	3.09
R35/42	LKD	W39/42	38.45	2.35	
R35/42	LKD	W40/42	21.07	0.70	3.05
R36/42	BEDROOM	W41/42	29.89	4.06	4.06

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R37/42	BEDROOM	W42/42	34.86	3.54	3.54
R38/42	BEDROOM	W43/42	37.55	2.71	2.71
R39/42	KITCHEN	W44/42	38.11	3.01	3.01
R40/42	LIVINGROOM	W45/42	38.33	3.51	3.51
R41/42	LIVINGROOM	W46/42	38.41	3.36	3.36
R42/42	KITCHEN	W47/42	38.62	3.00	3.00
R43/42	BEDROOM	W48/42	38.65	2.73	2.73
R44/42	BEDROOM	W49/42	38.55	4.13	4.13
R45/42	BEDROOM	W50/42	38.55	3.81	
R45/42	BEDROOM	W51/42	21.04	1.12	4.93
R46/42	BEDROOM	W52/42	29.87	2.18	2.18
R47/42	BEDROOM	W53/42	35.63	2.59	2.59
R48/42	LKD	W54/42	37.53	4.24	4.24
R49/42	BEDROOM	W55/42	37.99	2.90	2.90
R50/42	BEDROOM	W56/42	38.09	2.74	2.74
R51/42	LKD	W57/42	37.94	2.47	
R51/42	LKD	W58/42	33.06	1.00	
R51/42	LKD	W59/42	35.91	2.33	5.80
R52/42	LKD	W60/42	35.93	2.33	
R52/42	LKD	W61/42	32.87	1.01	
R52/42	LKD	W62/42	30.13	2.00	5.34
R1/43	BEDROOM	W1/43	33.47	2.47	2.47
R2/43	BEDROOM	W2/43	33.47	2.60	2.60
R3/43	LKD	W3/43	33.29	3.57	3.57
R4/43	BEDROOM	W4/43	33.70	2.35	2.35
R5/43	BEDROOM	W5/43	33.64	2.33	2.33
R6/43	BEDROOM	W6/43	27.64	1.64	1.64
R7/43	BEDROOM	W7/43	31.04	2.06	2.06
R8/43	LKD	W8/43	31.51	3.93	3.93
R9/43	LKD	W9/43	30.93	2.07	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R9/43	LKD	W10/43	30.63	1.02	3.09
R10/43	BEDROOM	W11/43	30.31	1.97	1.97
R11/43	BEDROOM	W12/43	30.08	1.89	1.89
R12/43	BEDROOM	W13/43	23.18	1.74	1.74
R13/43	BEDROOM	W14/43	28.94	2.16	2.16
R14/43	LKD	W15/43	31.38	3.60	3.60
R15/43	BEDROOM	W16/43	32.75	2.29	2.29
R16/43	BEDROOM	W17/43	32.91	2.33	2.33
R17/43	LKD	W18/43	28.75	2.83	2.83
R18/43	BEDROOM	W19/43	34.28	4.41	4.41
R19/43	BEDROOM	W20/43	32.70	2.39	2.39
R20/43	BEDROOM	W21/43	33.21	1.72	
R20/43	BEDROOM	W22/43	33.67	1.74	3.46
R21/43	KITCHEN	W23/43	36.70	2.52	
R21/43	KITCHEN	W24/43	38.03	2.55	5.06
R22/43	LIVINGROOM	W25/43	39.62	5.19	5.19
R23/43	LIVINGROOM	W26/43	39.62	5.51	5.51
R24/43	KITCHEN	W27/43	38.02	2.81	
R24/43	KITCHEN	W28/43	39.33	3.01	5.81
R25/43	BEDROOM	W29/43	38.32	2.66	2.66
R26/43	BEDROOM	W30/43	38.32	1.94	1.94
R27/43	BEDROOM	W31/43	38.32	1.77	1.77
R28/43	LKD	W32/43	39.32	2.10	2.10
R29/43	BEDROOM	W33/43	33.42	4.59	4.59
R30/43	BEDROOM	W34/43	38.67	2.67	2.67
R31/43	BEDROOM	W35/43	39.17	2.53	2.53
R32/43	LKD	W36/43	39.35	5.14	5.14
R33/43	BEDROOM	W37/43	39.42	2.41	2.41
R34/43	BEDROOM	W38/43	39.44	3.14	3.14

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R35/43	LKD	W39/43	39.43	2.40	
R35/43	LKD	W40/43	21.94	0.72	3.11
R36/43	BEDROOM	W41/43	30.87	4.15	4.15
R37/43	BEDROOM	W42/43	36.00	3.62	3.62
R38/43	BEDROOM	W43/43	38.43	2.76	2.76
R39/43	KITCHEN	W44/43	38.86	3.06	3.06
R40/43	LIVINGROOM	W45/43	39.08	3.57	3.57
R41/43	LIVINGROOM	W46/43	39.11	3.43	3.43
R42/43	KITCHEN	W47/43	39.16	3.04	3.04
R43/43	BEDROOM	W48/43	39.17	2.77	2.77
R44/43	BEDROOM	W49/43	39.16	4.20	4.20
R45/43	BEDROOM	W50/43	39.18	3.88	
R45/43	BEDROOM	W51/43	22.15	1.16	5.03
R46/43	BEDROOM	W52/43	30.30	2.20	2.20
R47/43	BEDROOM	W53/43	36.36	2.62	2.62
R48/43	LKD	W54/43	38.33	4.27	4.27
R49/43	BEDROOM	W55/43	38.53	2.95	2.95
R50/43	BEDROOM	W56/43	38.59	2.80	2.80
R51/43	LKD	W57/43	38.87	2.53	
R51/43	LKD	W58/43	35.90	1.06	
R51/43	LKD	W59/43	38.62	2.48	6.07
R52/43	LKD	W60/43	38.56	2.48	
R52/43	LKD	W61/43	35.60	1.06	
R52/43	LKD	W62/43	33.66	2.20	5.74
Building D					
R1/30	BEDROOM	W1/30	31.49	2.02	2.02
R2/30	BEDROOM	W2/30	28.27	1.91	1.91
R3/30	LKD	W3/30	19.99	1.08	
R3/30	LKD	W4/30	30.98	2.42	3.49
R4/30	BEDROOM	W5/30	31.84	1.68	1.68

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R5/30	BEDROOM	W6/30	31.92	1.69	1.69
R6/30	LKD	W7/30	31.19	2.42	
R6/30	LKD	W8/30	16.08	0.92	3.34
R7/30	BEDROOM	W9/30	26.64	1.82	1.82
R8/30	LKD	W10/30	29.27	0.85	
R8/30	LKD	W11/30	28.74	2.16	
R8/30	LKD	W12/30	17.44	0.59	3.60
R9/30	BEDROOM	W13/30	16.59	0.85	
R9/30	BEDROOM	W14/30	21.02	2.56	3.41
R10/30	BEDROOM	W15/30	21.14	1.98	1.98
R11/30	BEDROOM	W16/30	18.44	1.49	1.49
R12/30	LKD	W17/30	14.41	0.86	
R12/30	LKD	W18/30	22.62	1.85	2.71
R13/30	BEDROOM	W19/30	25.97	1.56	1.56
R14/30	BEDROOM	W20/30	27.19	1.66	1.66
R15/30	LKD	W21/30	28.13	2.12	
R15/30	LKD	W22/30	19.09	0.98	3.10
R16/30	BEDROOM	W23/30	26.68	1.84	1.84
R17/30	BEDROOM	W24/30	29.59	1.91	1.91
R18/30	LKD	W25/30	30.22	1.98	
R18/30	LKD	W26/30	34.67	0.88	
R18/30	LKD	W27/30	38.57	2.43	5.29
R19/30	LKD	W28/30	38.80	2.44	
R19/30	LKD	W29/30	35.79	0.88	
R19/30	LKD	W30/30	32.44	2.10	5.42
R1/31	BEDROOM	W1/31	34.10	2.16	2.16
R2/31	BEDROOM	W2/31	30.71	2.04	2.04
R3/31	LKD	W3/31	21.81	0.97	
R3/31	LKD	W4/31	34.01	2.71	3.68
R4/31	BEDROOM	W5/31	34.61	1.77	1.77
R5/31	BEDROOM	W6/31	34.61	1.94	1.94
R6/31	BEDROOM	W7/31	34.53	1.99	1.99
R7/31	LKD	W8/31	33.82	2.52	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R7/31	LKD	W9/31	17.78	0.79	3.31
R8/31	BEDROOM	W10/31	28.98	1.96	1.96
R9/31	BEDROOM	W11/31	31.96	2.04	2.04
R10/31	LKD	W12/31	31.56	2.05	
R10/31	LKD	W13/31	19.81	0.56	
R10/31	LKD	W14/31	18.05	1.35	3.97
R11/31	LKD	W15/31	17.80	1.34	
R11/31	LKD	W16/31	18.79	0.54	
R11/31	LKD	W17/31	24.08	1.66	3.54
R12/31	BEDROOM	W18/31	24.21	1.62	1.62
R13/31	BEDROOM	W19/31	21.26	1.53	1.53
R14/31	LKD	W20/31	16.12	0.76	
R14/31	LKD	W21/31	25.63	2.02	2.78
R15/31	BEDROOM	W22/31	27.74	1.66	1.66
R16/31	BEDROOM	W23/31	28.89	1.68	1.68
R17/31	BEDROOM	W24/31	30.01	1.57	1.57
R18/31	LKD	W25/31	30.85	2.49	
R18/31	LKD	W26/31	21.17	0.95	3.44
R19/31	BEDROOM	W27/31	28.90	1.95	1.95
R20/31	BEDROOM	W28/31	32.07	2.04	2.04
R21/31	LKD	W29/31	32.87	2.12	
R21/31	LKD	W30/31	35.41	0.89	
R21/31	LKD	W31/31	38.98	2.45	5.45
R22/31	LKD	W32/31	39.12	2.51	
R22/31	LKD	W33/31	36.10	0.91	
R22/31	LKD	W34/31	35.26	1.86	5.28
R1/32	BEDROOM	W1/32	36.49	2.28	2.28
R2/32	BEDROOM	W2/32	32.97	2.16	2.16
R3/32	LKD	W3/32	27.36	1.08	
R3/32	LKD	W4/32	36.79	2.90	3.98
R4/32	BEDROOM	W5/32	37.14	1.88	1.88
R5/32	BEDROOM	W6/32	37.09	2.06	2.06
R6/32	BEDROOM	W7/32	36.94	2.11	2.11

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R7/32	LKD	W8/32	36.29	2.68	
R7/32	LKD	W9/32	19.92	0.82	3.50
R8/32	BEDROOM	W10/32	31.23	2.07	2.07
R9/32	BEDROOM	W11/32	34.58	2.17	2.17
R10/32	LKD	W12/32	34.42	2.20	
R10/32	LKD	W13/32	23.45	0.63	
R10/32	LKD	W14/32	21.31	1.53	4.36
R11/32	LKD	W15/32	21.08	1.51	
R11/32	LKD	W16/32	22.49	0.61	
R11/32	LKD	W17/32	27.50	1.84	3.96
R12/32	BEDROOM	W18/32	27.65	1.80	1.80
R13/32	BEDROOM	W19/32	24.45	1.70	1.70
R14/32	LKD	W20/32	18.37	0.79	
R14/32	LKD	W21/32	28.98	2.23	3.02
R15/32	BEDROOM	W22/32	30.95	1.81	1.81
R16/32	BEDROOM	W23/32	31.97	1.82	1.82
R17/32	BEDROOM	W24/32	32.90	1.69	1.69
R18/32	LKD	W25/32	33.58	2.68	
R18/32	LKD	W26/32	27.00	1.07	3.74
R19/32	BEDROOM	W27/32	31.11	2.07	2.07
R20/32	BEDROOM	W28/32	34.52	2.17	2.17
R21/32	LKD	W29/32	35.33	2.25	
R21/32	LKD	W30/32	37.36	0.91	
R21/32	LKD	W31/32	39.27	2.46	5.62
R22/32	LKD	W32/32	39.34	2.52	
R22/32	LKD	W33/32	37.67	0.93	
R22/32	LKD	W34/32	37.47	1.96	5.41
R1/33	BEDROOM	W1/33	34.31	2.79	
R1/33	BEDROOM	W30/33	36.23	3.33	6.12
R2/33	BEDROOM	W2/33	25.73	1.59	1.59
R3/33	LKD	W3/33	34.44	1.27	
R3/33	LKD	W4/33	38.94	3.05	4.32
R4/33	BEDROOM	W5/33	38.88	1.96	1.96

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R5/33	BEDROOM	W6/33	38.76	2.15	2.15
R6/33	BEDROOM	W7/33	38.62	2.20	2.20
R7/33	LKD	W8/33	38.21	2.80	
R7/33	LKD	W9/33	26.19	0.97	3.77
R8/33	BEDROOM	W10/33	33.32	2.16	2.16
R9/33	BEDROOM	W11/33	36.86	2.28	2.28
R10/33	LKD	W12/33	36.94	2.61	
R10/33	LKD	W13/33	29.03	0.80	
R10/33	LKD	W14/33	26.68	2.00	5.42
R11/33	LKD	W15/33	26.27	1.99	
R11/33	LKD	W16/33	28.37	0.79	
R11/33	LKD	W17/33	31.20	2.27	5.04
R12/33	BEDROOM	W18/33	31.46	1.98	1.98
R13/33	BEDROOM	W19/33	28.09	1.88	1.88
R14/33	LKD	W20/33	24.82	0.95	
R14/33	LKD	W21/33	32.55	2.45	3.39
R15/33	BEDROOM	W22/33	34.25	1.98	1.98
R16/33	BEDROOM	W23/33	35.03	1.96	1.96
R17/33	BEDROOM	W24/33	35.68	1.82	1.82
R18/33	LKD	W25/33	36.12	2.85	
R18/33	LKD	W26/33	34.42	1.27	4.13
R19/33	LKD	W27/33	25.43	0.71	
R19/33	LKD	W28/33	32.92	1.77	
R19/33	LKD	W29/33	36.21	2.18	4.66
Building E1					
R1/60	BEDROOM	W1/60	33.47	3.01	3.01
R2/60	KITCHEN	W2/60	21.81	0.41	
R2/60	KITCHEN	W3/60	18.07	1.62	
R2/60	KITCHEN	W4/60	17.21	1.28	3.31
R1/61	LIVINGROOM	W1/61	37.94	2.84	
R1/61	LIVINGROOM	W2/61	37.62	0.61	
R1/61	LIVINGROOM	W3/61	35.35	0.59	4.04
R2/61	BEDROOM	W4/61	31.08	3.18	3.18
R1/62	BEDROOM	W6/62	38.56	3.00	3.00

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R2/62	BEDROOM	W7/62	33.94	2.64	2.64
Building E2					
R3/60	KITCHEN	W5/60	18.99	1.28	
R3/60	KITCHEN	W6/60	20.87	1.68	
R3/60	KITCHEN	W7/60	15.27	0.36	3.32
R12/60	BEDROOM	W22/60	32.05	3.00	3.00
R3/61	BEDROOM	W5/61	31.29	3.20	3.20
R12/61	LIVINGROOM	W20/61	22.60	0.48	
R12/61	LIVINGROOM	W21/61	36.21	2.87	3.35
R3/62	BEDROOM	W8/62	33.92	3.46	3.46
R12/62	BEDROOM	W4/62	25.45	0.54	
R12/62	BEDROOM	W5/62	37.85	2.59	3.13
Building E3					
R4/60	KITCHEN	W8/60	15.20	1.21	
R4/60	KITCHEN	W9/60	21.53	1.44	2.66
R11/60	BEDROOM	W21/60	33.55	3.02	3.02
R4/61	BEDROOM	W6/61	29.07	3.08	3.08
R11/61	LIVINGROOM	W17/61	38.04	2.92	
R11/61	LIVINGROOM	W18/61	37.72	0.59	
R11/61	LIVINGROOM	W19/61	22.47	0.46	3.97
R4/62	BEDROOM	W9/62	32.74	2.96	2.96
R11/62	LIVINGROOM	W2/62	38.58	2.63	
R11/62	LIVINGROOM	W3/62	38.21	0.62	3.25
Building E4					
R5/60	KITCHEN	W10/60	22.23	1.43	
R5/60	KITCHEN	W11/60	24.76	1.56	
R5/60	KITCHEN	W12/60	13.39	0.32	3.31
R10/60	BEDROOM	W20/60	32.23	3.01	3.01
R5/61	BEDROOM	W7/61	30.17	3.17	3.17
R10/61	LIVINGROOM	W15/61	22.63	0.48	
R10/61	LIVINGROOM	W16/61	36.29	2.87	3.35
R5/62	BEDROOM	W10/62	33.04	2.98	2.98

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R10/62	LIVINGROOM	W1/62	37.88	2.59	
R10/62	LIVINGROOM	W11/62	25.41	0.54	3.13
Building E5					
R6/60	KITCHEN	W13/60	16.15	1.49	
R6/60	KITCHEN	W14/60	22.78	1.52	3.01
R9/60	BEDROOM	W19/60	34.70	2.95	2.95
R6/61	BEDROOM	W8/61	28.57	3.07	3.07
R9/61	LIVINGROOM	W13/61	39.07	2.99	
R9/61	LIVINGROOM	W14/61	37.80	0.60	3.59
R6/62	BEDROOM	W14/62	32.23	3.37	3.37
R9/62	BEDROOM	W12/62	38.23	0.62	
R9/62	BEDROOM	W13/62	38.95	2.63	3.25
Building E6					
R7/60	KITCHEN	W15/60	22.85	1.60	
R7/60	KITCHEN	W16/60	24.16	1.89	
R7/60	KITCHEN	W17/60	3.78	0.33	3.82
R8/60	BEDROOM	W18/60	34.66	2.94	2.94
R7/61	BEDROOM	W9/61	29.77	3.17	3.17
R8/61	LIVINGROOM	W10/61	29.32	0.47	
R8/61	LIVINGROOM	W11/61	37.80	0.57	
R8/61	LIVINGROOM	W12/61	39.09	2.85	3.89
R7/62	BEDROOM	W16/62	32.56	3.39	3.39
R8/62	BEDROOM	W15/62	38.96	2.74	
R8/62	BEDROOM	W17/62	38.20	0.64	
R8/62	BEDROOM	W18/62	32.24	0.57	3.95
Building E7					
R1/50	LKD	W1/50	36.03	1.21	
R1/50	LKD	W2/50	35.89	1.22	
R1/50	LKD	W3/50	36.15	0.55	
R1/50	LKD	W4/50	37.53	0.34	
R1/50	LKD	W5/50	33.53	0.28	
R1/50	LKD	W6/50	32.44	1.89	5.49
R2/50	BEDROOM	W7/50	30.20	0.52	
R2/50	BEDROOM	W8/50	25.47	1.05	
R2/50	BEDROOM	W9/50	24.20	1.80	3.37
R3/50	BEDROOM	W10/50	23.17	1.59	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R3/50	BEDROOM	W11/50	20.74	0.90	2.49
R4/50	BEDROOM	W12/50	24.67	1.18	1.18
R5/50	LKD	W13/50	21.35	1.03	
R5/50	LKD	W14/50	21.50	1.04	2.07
R6/50	BEDROOM	W15/50	19.32	2.07	2.07
R7/50	BEDROOM	W16/50	22.28	1.95	
R7/50	BEDROOM	W17/50	23.09	1.98	3.92
R8/50	LKD	W18/50	34.45	0.59	
R8/50	LKD	W19/50	32.86	0.34	
R8/50	LKD	W20/50	34.25	1.28	
R8/50	LKD	W21/50	34.53	1.30	3.50
R9/50	LKD	W22/50	35.47	1.68	
R9/50	LKD	W23/50	35.42	1.69	
R9/50	LKD	W24/50	35.02	0.75	
R9/50	LKD	W25/50	36.91	0.47	4.60
R10/50	BEDROOM	W26/50	28.42	1.44	1.44
R1/51	LKD	W1/51	38.76	1.49	
R1/51	LKD	W2/51	39.12	1.49	
R1/51	LKD	W3/51	37.33	0.69	
R1/51	LKD	W4/51	35.07	0.29	
R1/51	LKD	W5/51	34.33	1.33	5.30
R2/51	BEDROOM	W6/51	32.48	0.52	
R2/51	BEDROOM	W7/51	28.28	1.08	
R2/51	BEDROOM	W8/51	29.60	2.32	3.91
R3/51	BEDROOM	W9/51	28.97	2.20	
R3/51	BEDROOM	W10/51	24.14	0.97	3.17
R4/51	BEDROOM	W11/51	29.27	1.97	
R4/51	BEDROOM	W12/51	29.92	2.01	3.99
R5/51	BEDROOM	W13/51	30.54	1.70	1.70
R6/51	LKD	W14/51	31.82	1.47	
R6/51	LKD	W15/51	31.65	1.48	
R6/51	LKD	W16/51	27.55	1.32	4.27
R7/51	BEDROOM	W17/51	22.72	0.93	
R7/51	BEDROOM	W18/51	26.21	0.97	
R7/51	BEDROOM	W19/51	24.04	0.42	2.31
R8/51	BEDROOM	W20/51	25.76	0.42	
R8/51	BEDROOM	W21/51	26.51	0.95	
R8/51	BEDROOM	W22/51	36.80	1.21	2.58

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R9/51	LKD	W23/51	38.78	1.73	
R9/51	LKD	W24/51	38.87	1.73	
R9/51	LKD	W25/51	36.76	0.80	4.25
R10/51	LKD	W26/51	28.63	0.68	
R10/51	LKD	W27/51	38.59	1.68	
R10/51	LKD	W28/51	38.99	1.68	
R10/51	LKD	W29/51	36.94	0.77	4.81
R11/51	BEDROOM	W30/51	28.70	1.44	1.44
R1/52	LKD	W1/52	39.22	1.52	
R1/52	LKD	W2/52	39.37	1.52	
R1/52	LKD	W3/52	37.82	0.70	
R1/52	LKD	W4/52	36.54	0.30	
R1/52	LKD	W5/52	36.37	1.21	5.24
R2/52	BEDROOM	W6/52	34.79	0.55	
R2/52	BEDROOM	W7/52	31.17	1.14	
R2/52	BEDROOM	W8/52	32.27	2.45	4.14
R3/52	BEDROOM	W9/52	31.92	2.34	
R3/52	BEDROOM	W10/52	29.04	1.07	3.41
R4/52	BEDROOM	W11/52	23.49	1.61	
R4/52	BEDROOM	W12/52	29.07	1.78	
R4/52	BEDROOM	W13/52	31.85	1.85	
R4/52	BEDROOM	W14/52	32.36	1.88	7.11
R5/52	BEDROOM	W15/52	33.12	1.79	1.79
R6/52	LKD	W16/52	33.94	1.54	
R6/52	LKD	W17/52	35.75	1.61	
R6/52	LKD	W18/52	32.64	1.51	4.66
R7/52	BEDROOM	W19/52	36.60	1.39	1.39
R8/52	BEDROOM	W20/52	37.34	2.12	2.12
R9/52	LKD	W22/52	37.56	0.68	
R9/52	LKD	W23/52	39.50	1.48	
R9/52	LKD	W24/52	39.50	1.48	
R9/52	LKD	W25/52	37.54	0.68	4.31
R10/52	LKD	W26/52	31.53	0.71	
R10/52	LKD	W27/52	39.23	1.69	
R10/52	LKD	W28/52	39.38	1.69	
R10/52	LKD	W29/52	37.53	0.77	4.86
R11/52	BEDROOM	W30/52	30.57	1.48	1.48

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
Building A						
R1/10	W1/10	BEDROOM	8	28		
R1/10	W2/10	BEDROOM	3	18	8	31
R2/10	W3/10	LKD	4	20	4	20
R3/10	W4/10	LKD	4	22		
R3/10	W5/10	LKD	0	15	4	24
R4/10	W6/10	BEDROOM	3	23	3	23
R5/10	W7/10	BEDROOM	3	23	3	23
R6/10	W8/10	BEDROOM	1	21	1	21
R7/10	W9/10	LKD	7	29		
R7/10	W10/10	LKD	3	23	7	37
R8/10	W11/10	BEDROOM	0	10	0	10
R9/10	W12/10	BEDROOM	0	10	0	10
R10/10	W13/10	BEDROOM	0	10	0	10
R11/10	W14/10	BEDROOM	3	23		
R11/10	W15/10	BEDROOM	0	5	3	28
R12/10	W16/10	LKD	0	12	0	12
R13/10	W17/10	LIVINGROOM	0	12	0	12
R14/10	W18/10	LKD	0	11		
R14/10	W19/10	LKD	3	33	3	33
R15/10	W20/10	BEDROOM	0	22		
R15/10	W21/10	BEDROOM	0	17	0	22
R16/10	W22/10	BEDROOM	0	16	0	16
R17/10	W23/10	BEDROOM	6	26		
R17/10	W24/10	BEDROOM	11	28	11	39
R18/10	W25/10	BEDROOM	6	25	6	25
R19/10	W26/10	BEDROOM	8	29	8	29
R20/10	W27/10	LKD	12	33	12	33
R21/10	W28/10	LKD	11	32	11	32
R22/10	W29/10	BEDROOM	7	26	7	26

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R1/11	W1/11	LKD	19	49		
R1/11	W2/11	LKD	3	24		
R1/11	W3/11	LKD	1	17	19	57
R2/11	W4/11	BEDROOM	1	16	1	16
R3/11	W5/11	LKD	5	25	5	25
R4/11	W6/11	BEDROOM	3	19	3	19
R5/11	W7/11	BEDROOM	2	17	2	17
R6/11	W8/11	BEDROOM	2	17	2	17
R7/11	W9/11	LKD	2	16		
R7/11	W10/11	LKD	6	25	6	25
R8/11	W11/11	LKD	5	25	5	25
R9/11	W12/11	BEDROOM	1	17	1	17
R10/11	W13/11	BEDROOM	1	17	1	17
R11/11	W14/11	BEDROOM	3	23	3	23
R12/11	W15/11	LKD	7	29		
R12/11	W16/11	LKD	3	23	8	38
R13/11	W17/11	BEDROOM	0	10	0	10
R14/11	W18/11	BEDROOM	0	10	0	10
R15/11	W19/11	BEDROOM	0	10	0	10
R16/11	W20/11	KITCHEN	3	23		
R16/11	W21/11	KITCHEN	0	5	3	28
R17/11	W22/11	LIVINGROOM	0	12	0	12
R18/11	W23/11	LIVINGROOM	0	12	0	12
R19/11	W24/11	LKD	0	11		
R19/11	W25/11	LKD	3	36	3	36
R20/11	W26/11	BEDROOM	1	26		
R20/11	W27/11	BEDROOM	1	22	1	26
R21/11	W28/11	BEDROOM	1	21	1	21
R22/11	W29/11	BEDROOM	6	30		
R22/11	W30/11	BEDROOM	14	31	14	47
R23/11	W31/11	BEDROOM	10	35	10	35

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R24/11	W32/11	BEDROOM	8	32	8	32
R25/11	W33/11	BEDROOM	8	32	8	32
R26/11	W34/11	LKD	13	39	13	39
R27/11	W35/11	LKD	12	38		
R27/11	W36/11	LKD	9	31	13	39
R28/11	W37/11	BEDROOM	9	32	9	32
R29/11	W38/11	BEDROOM	8	32	8	32
R30/11	W39/11	LKD	0	0		
R30/11	W40/11	LKD	11	38	11	38
R31/11	W41/11	BEDROOM	8	35	8	35
R32/11	W42/11	LKD	8	37		
R32/11	W43/11	LKD	10	44		
R32/11	W44/11	LKD	18	49	20	75
R33/11	W45/11	BEDROOM	20	61	20	61
R34/11	W46/11	BEDROOM	23	65	23	65
R1/12	W1/12	LKD	20	51		
R1/12	W2/12	LKD	4	25		
R1/12	W3/12	LKD	2	18	20	59
R2/12	W4/12	BEDROOM	2	18	2	18
R3/12	W5/12	LKD	5	26	5	26
R4/12	W6/12	BEDROOM	4	24	4	24
R5/12	W7/12	BEDROOM	2	18	2	18
R6/12	W8/12	BEDROOM	2	18	2	18
R7/12	W9/12	LKD	2	17		
R7/12	W10/12	LKD	6	26	6	26
R8/12	W11/12	LKD	5	25	5	25
R9/12	W12/12	BEDROOM	2	18	2	18
R10/12	W13/12	BEDROOM	2	18	2	18
R11/12	W14/12	BEDROOM	4	24	4	24
R12/12	W15/12	LKD	10	36		

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R12/12	W16/12	LKD	4	24	10	44
R13/12	W17/12	BEDROOM	0	10	0	10
R14/12	W18/12	BEDROOM	0	10	0	10
R15/12	W19/12	BEDROOM	0	10	0	10
R16/12	W20/12	KITCHEN	4	24		
R16/12	W21/12	KITCHEN	0	5	4	29
R17/12	W22/12	LIVINGROOM	0	12	0	12
R18/12	W23/12	LIVINGROOM	0	12	0	12
R19/12	W24/12	LKD	0	11		
R19/12	W25/12	LKD	7	42	7	42
R20/12	W26/12	BEDROOM	2	27		
R20/12	W27/12	BEDROOM	2	25	2	27
R21/12	W28/12	BEDROOM	2	24	2	24
R22/12	W29/12	BEDROOM	9	38		
R22/12	W30/12	BEDROOM	14	32	14	53
R23/12	W31/12	BEDROOM	10	39	10	39
R24/12	W32/12	BEDROOM	8	35	8	35
R25/12	W33/12	BEDROOM	8	35	8	35
R26/12	W34/12	LKD	14	44	14	44
R27/12	W35/12	LKD	14	44		
R27/12	W36/12	LKD	10	36	14	44
R28/12	W37/12	BEDROOM	12	38	12	38
R29/12	W38/12	BEDROOM	10	36	10	36
R30/12	W39/12	LKD	0	0		
R30/12	W40/12	LKD	14	45	14	45
R31/12	W41/12	BEDROOM	13	42	13	42
R32/12	W42/12	LKD	13	42		
R32/12	W43/12	LKD	13	47		
R32/12	W44/12	LKD	24	55	28	83
R33/12	W45/12	BEDROOM	25	67	25	67
R34/12	W46/12	BEDROOM	25	67	25	67

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
Building B						
R1/20	W1/20	BEDROOM	0	7	0	7
R2/20	W2/20	BEDROOM	1	12	1	12
R3/20	W3/20	BEDROOM	0	9	0	9
R4/20	W4/20	LKD	2	15	2	15
R5/20	W5/20	BEDROOM	0	9	0	9
R6/20	W6/20	BEDROOM	0	9	0	9
R7/20	W7/20	BEDROOM	0	8	0	8
R8/20	W8/20	BEDROOM	1	14	1	14
R9/20	W9/20	LIVINGROOM	3	16		
R9/20	W10/20	LIVINGROOM	0	5		
R9/20	W11/20	LIVINGROOM	0	1	3	21
R10/20	W12/20	KITCHEN	0	10	0	10
R11/20	W13/20	KITCHEN	0	10	0	10
R12/20	W14/20	LIVINGROOM	0	4		
R12/20	W15/20	LIVINGROOM	0	7		
R12/20	W16/20	LIVINGROOM	8	35	8	39
R13/20	W17/20	BEDROOM	2	27	2	27
R14/20	W18/20	BEDROOM	2	27	2	27
R15/20	W19/20	BEDROOM	4	27	4	27
R16/20	W20/20	BEDROOM	4	27	4	27
R17/20	W21/20	BEDROOM	4	29	4	29
R18/20	W22/20	LKD	4	27		
R18/20	W23/20	LKD	3	23	5	29
R19/20	W24/20	BEDROOM	3	21	3	21
R20/20	W25/20	BEDROOM	3	22	3	22
R21/20	W26/20	BEDROOM	2	20	2	20
R22/20	W27/20	LKD	7	27		
R22/20	W28/20	LKD	11	43		
R22/20	W29/20	LKD	9	33		

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R22/20	W30/20	LKD	6	13	14	56
R23/20	W31/20	LKD	5	15		
R23/20	W32/20	LKD	6	35		
R23/20	W33/20	LKD	10	45		
R23/20	W34/20	LKD	5	18	14	50
R1/21	W1/21	BEDROOM	0	9	0	9
R2/21	W2/21	BEDROOM	2	16	2	16
R3/21	W3/21	BEDROOM	0	9	0	9
R4/21	W4/21	LKD	0	9		
R4/21	W5/21	LKD	3	17	3	17
R5/21	W6/21	BEDROOM	3	17	3	17
R6/21	W7/21	BEDROOM	0	9	0	9
R7/21	W8/21	BEDROOM	0	10	0	10
R8/21	W9/21	BEDROOM	0	9	0	9
R9/21	W10/21	BEDROOM	1	15	1	15
R10/21	W11/21	LIVINGROOM	3	16		
R10/21	W12/21	LIVINGROOM	0	5		
R10/21	W13/21	LIVINGROOM	0	1	3	21
R11/21	W14/21	KITCHEN	0	11	0	11
R12/21	W15/21	KITCHEN	0	11	0	11
R13/21	W16/21	LIVINGROOM	0	5		
R13/21	W17/21	LIVINGROOM	0	9		
R13/21	W18/21	LIVINGROOM	12	42	12	43
R14/21	W19/21	BEDROOM	7	36	7	36
R15/21	W20/21	BEDROOM	5	34	5	34
R16/21	W21/21	BEDROOM	7	35	7	35
R17/21	W22/21	BEDROOM	6	34	6	34
R18/21	W23/21	BEDROOM	9	37	9	37
R19/21	W24/21	LKD	9	36		
R19/21	W25/21	LKD	6	31	9	38
R20/21	W26/21	BEDROOM	6	29	6	29

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R21/21	W27/21	BEDROOM	6	31	6	31
R22/21	W28/21	BEDROOM	4	28	4	28
R23/21	W29/21	LIVINGROOM	10	32		
R23/21	W30/21	LIVINGROOM	13	44		
R23/21	W31/21	LIVINGROOM	13	43	14	63
R24/21	W32/21	KITCHEN	11	51	11	51
R25/21	W33/21	KITCHEN	8	48	8	48
R26/21	W34/21	LIVINGROOM	10	40		
R26/21	W35/21	LIVINGROOM	15	48		
R26/21	W36/21	LIVINGROOM	6	19	16	50
R1/22	W1/22	BEDROOM	1	12	1	12
R2/22	W2/22	BEDROOM	3	19	3	19
R3/22	W3/22	BEDROOM	0	12	0	12
R4/22	W4/22	LKD	0	12		
R4/22	W5/22	LKD	3	19	3	19
R5/22	W6/22	BEDROOM	4	20	4	20
R6/22	W7/22	BEDROOM	1	12	1	12
R7/22	W8/22	BEDROOM	1	13	1	13
R8/22	W9/22	BEDROOM	1	12	1	12
R9/22	W10/22	BEDROOM	2	18	2	18
R10/22	W11/22	LIVINGROOM	4	20		
R10/22	W12/22	LIVINGROOM	0	5		
R10/22	W13/22	LIVINGROOM	0	1	4	25
R11/22	W14/22	KITCHEN	0	11	0	11
R12/22	W15/22	KITCHEN	0	11	0	11
R13/22	W16/22	LIVINGROOM	0	5		
R13/22	W17/22	LIVINGROOM	0	10		
R13/22	W18/22	LIVINGROOM	13	48	13	48
R14/22	W19/22	BEDROOM	9	41	9	41
R15/22	W20/22	BEDROOM	7	39	7	39
R16/22	W21/22	BEDROOM	7	37	7	37

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R17/22	W22/22	BEDROOM	7	37	7	37
R18/22	W23/22	BEDROOM	9	41	9	41
R19/22	W24/22	LKD	9	41		
R19/22	W25/22	LKD	7	36	10	43
R20/22	W26/22	BEDROOM	7	36	7	36
R21/22	W27/22	BEDROOM	7	38	7	38
R22/22	W28/22	BEDROOM	5	35	5	35
R23/22	W29/22	LIVINGROOM	11	41		
R23/22	W30/22	LIVINGROOM	15	53		
R23/22	W31/22	LIVINGROOM	16	45	16	71
R24/22	W32/22	KITCHEN	13	56	13	56
R25/22	W33/22	KITCHEN	17	59	17	59
R26/22	W34/22	LIVINGROOM	14	43		
R26/22	W35/22	LIVINGROOM	19	56		
R26/22	W36/22	LIVINGROOM	7	22	20	57
R1/23	W1/23	BEDROOM	2	15	2	15
R2/23	W2/23	BEDROOM	4	22	4	22
R3/23	W3/23	BEDROOM	1	16	1	16
R4/23	W4/23	LKD	1	16		
R4/23	W5/23	LKD	4	22	4	23
R5/23	W6/23	BEDROOM	4	22	4	22
R6/23	W7/23	BEDROOM	1	15	1	15
R7/23	W8/23	BEDROOM	1	16	1	16
R8/23	W9/23	BEDROOM	1	14	1	14
R9/23	W10/23	BEDROOM	3	21	3	21
R10/23	W11/23	LIVINGROOM	5	24		
R10/23	W12/23	LIVINGROOM	0	5		
R10/23	W13/23	LIVINGROOM	0	1	5	29
R11/23	W14/23	KITCHEN	0	11	0	11
R12/23	W15/23	KITCHEN	0	11	0	11
R13/23	W16/23	LIVINGROOM	0	5		

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R13/23	W17/23	LIVINGROOM	0	11		
R13/23	W18/23	LIVINGROOM	18	51	18	51
R14/23	W19/23	BEDROOM	13	48	13	48
R15/23	W20/23	BEDROOM	11	46	11	46
R16/23	W21/23	BEDROOM	13	46	13	46
R17/23	W22/23	BEDROOM	13	46	13	46
R18/23	W23/23	BEDROOM	14	51	14	51
R19/23	W24/23	LKD	14	51		
R19/23	W25/23	LKD	12	44	15	52
R20/23	W26/23	BEDROOM	12	44	12	44
R21/23	W27/23	BEDROOM	11	45	11	45
R22/23	W28/23	BEDROOM	9	42	9	42
R23/23	W29/23	LIVINGROOM	15	45		
R23/23	W30/23	LIVINGROOM	23	56		
R23/23	W31/23	LIVINGROOM	21	53	25	84
R24/23	W32/23	KITCHEN	21	64	21	64
R25/23	W33/23	KITCHEN	21	64	21	64
R26/23	W34/23	LIVINGROOM	16	46		
R26/23	W35/23	LIVINGROOM	23	59		
R26/23	W36/23	LIVINGROOM	7	24	23	61
R1/24	W1/24	BEDROOM	2	17	2	17
R2/24	W2/24	BEDROOM	4	24	4	24
R3/24	W3/24	BEDROOM	2	18	2	18
R4/24	W4/24	LKD	2	18		
R4/24	W5/24	LKD	5	25	5	25
R5/24	W6/24	BEDROOM	5	25	5	25
R6/24	W7/24	BEDROOM	2	17	2	17
R7/24	W8/24	BEDROOM	2	18	2	18
R8/24	W9/24	BEDROOM	2	17	2	17
R9/24	W10/24	BEDROOM	4	24	4	24

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R10/24	W11/24	LIVINGROOM	6	26		
R10/24	W12/24	LIVINGROOM	0	5		
R10/24	W13/24	LIVINGROOM	0	1	6	31
R11/24	W14/24	KITCHEN	0	11	0	11
R12/24	W15/24	KITCHEN	0	11	0	11
R13/24	W16/24	LIVINGROOM	0	5		
R13/24	W17/24	LIVINGROOM	0	11		
R13/24	W18/24	LIVINGROOM	18	55	18	55
R14/24	W19/24	BEDROOM	14	49	14	49
R15/24	W20/24	BEDROOM	12	47	12	47
R16/24	W21/24	BEDROOM	13	46	13	46
R17/24	W22/24	BEDROOM	13	46	13	46
R18/24	W23/24	BEDROOM	16	53	16	53
R19/24	W24/24	LKD	16	53		
R19/24	W25/24	LKD	13	46	16	53
R20/24	W26/24	BEDROOM	13	46	13	46
R21/24	W27/24	BEDROOM	14	49	14	49
R22/24	W28/24	BEDROOM	12	47	12	47
R23/24	W29/24	LIVINGROOM	18	55		
R23/24	W30/24	LIVINGROOM	25	63		
R23/24	W31/24	LIVINGROOM	23	52	27	89
R24/24	W32/24	KITCHEN	24	67	24	67
R25/24	W33/24	KITCHEN	25	68	25	68
R26/24	W34/24	LIVINGROOM	20	49		
R26/24	W35/24	LIVINGROOM	24	64		
R26/24	W36/24	LIVINGROOM	7	27	24	66
R1/25	W1/25	BEDROOM	2	17	2	17
R2/25	W2/25	BEDROOM	4	24	4	24
R3/25	W3/25	BEDROOM	2	18	2	18
R4/25	W4/25	LKD	2	18		
R4/25	W5/25	LKD	5	25	5	25
R5/25	W6/25	BEDROOM	5	25	5	25

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R6/25	W7/25	BEDROOM	2	17	2	17
R7/25	W8/25	BEDROOM	2	18	2	18
R8/25	W9/25	BEDROOM	2	17	2	17
R9/25	W10/25	BEDROOM	4	24	4	24
R10/25	W11/25	LIVINGROOM	6	25		
R10/25	W12/25	LIVINGROOM	0	5		
R10/25	W13/25	LIVINGROOM	0	1	6	30
R11/25	W14/25	KITCHEN	0	11	0	11
R12/25	W15/25	KITCHEN	0	11	0	11
R13/25	W16/25	LIVINGROOM	0	5		
R13/25	W17/25	LIVINGROOM	0	11		
R13/25	W18/25	LIVINGROOM	20	53	20	53
R14/25	W19/25	BEDROOM	16	51	16	51
R15/25	W20/25	BEDROOM	14	49	14	49
R16/25	W21/25	BEDROOM	15	48	15	48
R17/25	W22/25	BEDROOM	15	48	15	48
R18/25	W23/25	BEDROOM	18	55	18	55
R19/25	W24/25	LKD	18	55		
R19/25	W25/25	LKD	15	48	18	55
R20/25	W26/25	BEDROOM	15	48	15	48
R21/25	W27/25	BEDROOM	16	51	16	51
R22/25	W28/25	BEDROOM	14	49	14	49
R23/25	W29/25	LIVINGROOM	20	53		
R23/25	W30/25	LIVINGROOM	26	59		
R23/25	W31/25	LIVINGROOM	24	56	30	92
R24/25	W32/25	KITCHEN	26	69	26	69
R25/25	W33/25	KITCHEN	26	69	26	69
R26/25	W34/25	LIVINGROOM	20	54		
R26/25	W35/25	LIVINGROOM	24	61		
R26/25	W36/25	LIVINGROOM	7	26	24	66
Building C						

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R1/40	W1/40	BEDROOM	0	8	0	8
R2/40	W2/40	BEDROOM	2	13	2	13
R3/40	W3/40	LKD	4	14	4	14
R4/40	W4/40	BEDROOM	0	6	0	6
R5/40	W5/40	LKD	1	18	1	18
R6/40	W6/40	BEDROOM	3	20	3	20
R7/40	W7/40	BEDROOM	0	7	0	7
R8/40	W8/40	LKD	0	1	0	1
R9/40	W9/40	BEDROOM	0	5	0	5
R10/40	W10/40	LKD	0	11	0	11
R11/40	W11/40	BEDROOM	0	7	0	7
R12/40	W12/40	BEDROOM	1	12	1	12
R13/40	W13/40	BEDROOM	0	1	0	1
R14/40	W14/40	BEDROOM	0	2	0	2
R15/40	W15/40	BEDROOM	0	2	0	2
R16/40	W16/40	LIVINGROOM	1	13		
R16/40	W17/40	LIVINGROOM	0	5	1	18
R17/40	W18/40	KITCHEN	0	12	0	12
R18/40	W19/40	LKD	0	12	0	12
R19/40	W20/40	BEDROOM	0	11		
R19/40	W21/40	BEDROOM	16	52	16	52
R20/40	W22/40	BEDROOM	10	42	10	42
R21/40	W23/40	BEDROOM	10	42	10	42
R22/40	W24/40	BEDROOM	10	42	10	42
R23/40	W25/40	LKD	17	55		
R23/40	W26/40	LKD	17	34	22	67
R24/40	W27/40	BEDROOM	13	49	13	49
R25/40	W28/40	BEDROOM	12	47	12	47

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R26/40	W29/40	LKD	17	54	17	54
R27/40	W30/40	BEDROOM	13	50	13	50
R28/40	W31/40	LKD	12	47	12	47
R29/40	W32/40	LKD	15	52		
R29/40	W33/40	LKD	16	32	20	65
R30/40	W34/40	BEDROOM	13	43	13	43
R31/40	W35/40	BEDROOM	16	52	16	52
R32/40	W36/40	BEDROOM	17	54	17	54
R33/40	W37/40	LKD	20	57	20	57
R34/40	W38/40	BEDROOM	18	52	18	52
R35/40	W39/40	BEDROOM	15	49	15	49
R36/40	W40/40	LKD	20	56	20	56
R37/40	W41/40	BEDROOM	16	52	16	52
R38/40	W42/40	BEDROOM	15	49	15	49
R39/40	W43/40	LKD	18	54		
R39/40	W44/40	LKD	14	46		
R39/40	W45/40	LKD	18	58	24	88
R40/40	W46/40	LKD	17	56		
R40/40	W47/40	LKD	14	44		
R40/40	W48/40	LKD	3	15	20	59
R1/41	W1/41	BEDROOM	1	11	1	11
R2/41	W2/41	BEDROOM	1	11	1	11
R3/41	W3/41	LKD	4	17	4	17
R4/41	W4/41	BEDROOM	0	9	0	9
R5/41	W5/41	BEDROOM	0	9	0	9
R6/41	W6/41	BEDROOM	0	5	0	5
R7/41	W7/41	BEDROOM	0	12	0	12
R8/41	W8/41	LKD	2	20	2	20
R9/41	W9/41	LKD	1	19		

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R9/41	W10/41	LKD	1	18	1	19
R10/41	W11/41	BEDROOM	0	9	0	9
R11/41	W12/41	BEDROOM	0	9	0	9
R12/41	W13/41	BEDROOM	0	0	0	0
R13/41	W14/41	BEDROOM	1	8	1	8
R14/41	W15/41	LKD	0	12	0	12
R15/41	W16/41	BEDROOM	0	8	0	8
R16/41	W17/41	BEDROOM	0	8	0	8
R17/41	W18/41	LKD	1	13	1	13
R18/41	W19/41	BEDROOM	1	12	1	12
R19/41	W20/41	BEDROOM	0	4	0	4
R20/41	W21/41	BEDROOM	0	5		
R20/41	W22/41	BEDROOM	0	6	0	6
R21/41	W23/41	KITCHEN	1	16		
R21/41	W24/41	KITCHEN	0	5	1	21
R22/41	W25/41	LIVINGROOM	0	12	0	12
R23/41	W26/41	LIVINGROOM	0	12		
R23/41	W27/41	LIVINGROOM	0	5	0	12
R24/41	W28/41	KITCHEN	0	11		
R24/41	W29/41	KITCHEN	16	52	16	52
R25/41	W30/41	BEDROOM	10	40	10	40
R26/41	W31/41	BEDROOM	10	40	10	40
R27/41	W32/41	BEDROOM	10	40	10	40
R28/41	W33/41	LKD	17	54	17	54
R29/41	W34/41	BEDROOM	17	49	17	49
R30/41	W35/41	BEDROOM	14	47	14	47
R31/41	W36/41	BEDROOM	14	48	14	48
R32/41	W37/41	LKD	18	55	18	55
R33/41	W38/41	BEDROOM	14	48	14	48

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R34/41	W39/41	BEDROOM	14	48	14	48
R35/41	W40/41	LKD	16	53		
R35/41	W41/41	LKD	17	33	21	66
R36/41	W42/41	BEDROOM	19	51	19	51
R37/41	W43/41	BEDROOM	13	47	13	47
R38/41	W44/41	BEDROOM	14	48	14	48
R39/41	W45/41	KITCHEN	15	49	15	49
R40/41	W46/41	LIVINGROOM	20	57	20	57
R41/41	W47/41	LIVINGROOM	18	55	18	55
R42/41	W48/41	KITCHEN	15	49	15	49
R43/41	W49/41	BEDROOM	15	49	15	49
R44/41	W50/41	BEDROOM	18	55	18	55
R45/41	W51/41	BEDROOM	18	55		
R45/41	W52/41	BEDROOM	17	33	23	68
R46/41	W53/41	BEDROOM	15	44	15	44
R47/41	W54/41	BEDROOM	15	48	15	48
R48/41	W55/41	LKD	20	57	20	57
R49/41	W56/41	BEDROOM	15	49	15	49
R50/41	W57/41	BEDROOM	15	49	15	49
R51/41	W58/41	LKD	18	55		
R51/41	W59/41	LKD	20	51		
R51/41	W60/41	LKD	22	63	27	93
R52/41	W61/41	LKD	22	63		
R52/41	W62/41	LKD	19	49		
R52/41	W63/41	LKD	3	17	25	66
R1/42	W1/42	BEDROOM	2	13	2	13
R2/42	W2/42	BEDROOM	1	12	1	12
R3/42	W3/42	LKD	4	18	4	18
R4/42	W4/42	BEDROOM	0	11	0	11

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R5/42	W5/42	BEDROOM	0	11	0	11
R6/42	W6/42	BEDROOM	0	7	0	7
R7/42	W7/42	BEDROOM	1	15	1	15
R8/42	W8/42	LKD	3	22	3	22
R9/42	W9/42	LKD	2	20		
R9/42	W10/42	LKD	2	19	2	20
R10/42	W11/42	BEDROOM	1	11	1	11
R11/42	W12/42	BEDROOM	1	11	1	11
R12/42	W13/42	BEDROOM	0	1	0	1
R13/42	W14/42	BEDROOM	1	9	1	9
R14/42	W15/42	LKD	0	14	0	14
R15/42	W16/42	BEDROOM	0	10	0	10
R16/42	W17/42	BEDROOM	0	10	0	10
R17/42	W18/42	LKD	1	15	1	15
R18/42	W19/42	BEDROOM	1	14	1	14
R19/42	W20/42	BEDROOM	0	5	0	5
R20/42	W21/42	BEDROOM	0	6		
R20/42	W22/42	BEDROOM	0	7	0	7
R21/42	W23/42	KITCHEN	1	18		
R21/42	W24/42	KITCHEN	0	5	1	23
R22/42	W25/42	LIVINGROOM	0	12	0	12
R23/42	W26/42	LIVINGROOM	0	12	0	12
R24/42	W27/42	KITCHEN	0	11		
R24/42	W28/42	KITCHEN	16	52	16	52
R25/42	W29/42	BEDROOM	10	40	10	40
R26/42	W30/42	BEDROOM	10	40	10	40
R27/42	W31/42	BEDROOM	10	40	10	40
R28/42	W32/42	LKD	18	55	18	55
R29/42	W33/42	BEDROOM	18	50	18	50

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R30/42	W34/42	BEDROOM	15	48	15	48
R31/42	W35/42	BEDROOM	15	49	15	49
R32/42	W36/42	LKD	20	57	20	57
R33/42	W37/42	BEDROOM	15	49	15	49
R34/42	W38/42	BEDROOM	15	49	15	49
R35/42	W39/42	LKD	18	55		
R35/42	W40/42	LKD	17	33	23	68
R36/42	W41/42	BEDROOM	20	52	20	52
R37/42	W42/42	BEDROOM	14	48	14	48
R38/42	W43/42	BEDROOM	15	49	15	49
R39/42	W44/42	KITCHEN	15	49	15	49
R40/42	W45/42	LIVINGROOM	20	57	20	57
R41/42	W46/42	LIVINGROOM	18	55	18	55
R42/42	W47/42	KITCHEN	15	49	15	49
R43/42	W48/42	BEDROOM	15	49	15	49
R44/42	W49/42	BEDROOM	18	55	18	55
R45/42	W50/42	BEDROOM	18	55		
R45/42	W51/42	BEDROOM	17	33	23	68
R46/42	W52/42	BEDROOM	15	44	15	44
R47/42	W53/42	BEDROOM	15	48	15	48
R48/42	W54/42	LKD	20	57	20	57
R49/42	W55/42	BEDROOM	15	49	15	49
R50/42	W56/42	BEDROOM	15	49	15	49
R51/42	W57/42	LKD	18	55		
R51/42	W58/42	LKD	22	53		
R51/42	W59/42	LKD	25	67	29	96
R52/42	W60/42	LKD	25	67		
R52/42	W61/42	LKD	20	50		
R52/42	W62/42	LKD	4	18	26	68

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R1/43	W1/43	BEDROOM	2	16	2	16
R2/43	W2/43	BEDROOM	2	16	2	16
R3/43	W3/43	LKD	5	23	5	23
R4/43	W4/43	BEDROOM	1	15	1	15
R5/43	W5/43	BEDROOM	1	15	1	15
R6/43	W6/43	BEDROOM	0	8	0	8
R7/43	W7/43	BEDROOM	1	15	1	15
R8/43	W8/43	LKD	3	22	3	22
R9/43	W9/43	LKD	3	21		
R9/43	W10/43	LKD	3	21	3	21
R10/43	W11/43	BEDROOM	1	11	1	11
R11/43	W12/43	BEDROOM	1	11	1	11
R12/43	W13/43	BEDROOM	0	2	0	2
R13/43	W14/43	BEDROOM	2	11	2	11
R14/43	W15/43	LKD	2	16	2	16
R15/43	W16/43	BEDROOM	0	11	0	11
R16/43	W17/43	BEDROOM	0	11	0	11
R17/43	W18/43	LKD	2	17	2	17
R18/43	W19/43	BEDROOM	2	16	2	16
R19/43	W20/43	BEDROOM	0	6	0	6
R20/43	W21/43	BEDROOM	0	7		
R20/43	W22/43	BEDROOM	0	8	0	8
R21/43	W23/43	KITCHEN	1	20		
R21/43	W24/43	KITCHEN	0	5	1	25
R22/43	W25/43	LIVINGROOM	0	12	0	12
R23/43	W26/43	LIVINGROOM	0	12	0	12
R24/43	W27/43	KITCHEN	0	11		
R24/43	W28/43	KITCHEN	16	52	16	52
R25/43	W29/43	BEDROOM	10	40	10	40

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R26/43	W30/43	BEDROOM	10	40	10	40
R27/43	W31/43	BEDROOM	10	40	10	40
R28/43	W32/43	LKD	18	55	18	55
R29/43	W33/43	BEDROOM	18	50	18	50
R30/43	W34/43	BEDROOM	15	48	15	48
R31/43	W35/43	BEDROOM	15	49	15	49
R32/43	W36/43	LKD	20	57	20	57
R33/43	W37/43	BEDROOM	15	49	15	49
R34/43	W38/43	BEDROOM	15	49	15	49
R35/43	W39/43	LKD	18	55		
R35/43	W40/43	LKD	17	33	23	68
R36/43	W41/43	BEDROOM	20	52	20	52
R37/43	W42/43	BEDROOM	14	48	14	48
R38/43	W43/43	BEDROOM	15	49	15	49
R39/43	W44/43	KITCHEN	15	49	15	49
R40/43	W45/43	LIVINGROOM	20	57	20	57
R41/43	W46/43	LIVINGROOM	18	55	18	55
R42/43	W47/43	KITCHEN	15	49	15	49
R43/43	W48/43	BEDROOM	15	49	15	49
R44/43	W49/43	BEDROOM	18	55	18	55
R45/43	W50/43	BEDROOM	18	55		
R45/43	W51/43	BEDROOM	17	33	23	68
R46/43	W52/43	BEDROOM	15	44	15	44
R47/43	W53/43	BEDROOM	15	48	15	48
R48/43	W54/43	LKD	20	56	20	56
R49/43	W55/43	BEDROOM	15	49	15	49
R50/43	W56/43	BEDROOM	15	49	15	49

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R51/43	W57/43	LKD	18	55		
R51/43	W58/43	LKD	24	55		
R51/43	W59/43	LKD	26	68	30	97
R52/43	W60/43	LKD	26	68		
R52/43	W61/43	LKD	20	51		
R52/43	W62/43	LKD	4	22	26	70
Building D						
R1/30	W1/30	BEDROOM	2	15	2	15
R2/30	W2/30	BEDROOM	1	10	1	10
R3/30	W3/30	LKD	8	29		
R3/30	W4/30	LKD	3	16	8	30
R4/30	W5/30	BEDROOM	0	10	0	10
R5/30	W6/30	BEDROOM	0	13	0	13
R6/30	W7/30	LKD	2	21		
R6/30	W8/30	LKD	0	0	2	21
R7/30	W9/30	BEDROOM	0	9	0	9
R8/30	W10/30	LKD	0	14		
R8/30	W11/30	LKD	2	21		
R8/30	W12/30	LKD	0	1	2	23
R9/30	W13/30	BEDROOM	0	0		
R9/30	W14/30	BEDROOM	10	30	10	30
R10/30	W15/30	BEDROOM	7	23	7	23
R11/30	W16/30	BEDROOM	3	18	3	18
R12/30	W17/30	LKD	0	0		
R12/30	W18/30	LKD	13	33	13	33
R13/30	W19/30	BEDROOM	10	30	10	30
R14/30	W20/30	BEDROOM	10	32	10	32
R15/30	W21/30	LKD	15	42		
R15/30	W22/30	LKD	14	31	20	55
R16/30	W23/30	BEDROOM	9	37	9	37
R17/30	W24/30	BEDROOM	9	37	9	37
R18/30	W25/30	LKD	14	46		
R18/30	W26/30	LKD	24	52		

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R18/30	W27/30	LKD	26	68	29	91
R19/30	W28/30	LKD	26	68		
R19/30	W29/30	LKD	21	50		
R19/30	W30/30	LKD	4	23	26	70
R1/31	W1/31	BEDROOM	2	16	2	16
R2/31	W2/31	BEDROOM	2	14	2	14
R3/31	W3/31	LKD	8	32		
R3/31	W4/31	LKD	3	19	8	34
R4/31	W5/31	BEDROOM	1	14	1	14
R5/31	W6/31	BEDROOM	0	14	0	14
R6/31	W7/31	BEDROOM	1	15	1	15
R7/31	W8/31	LKD	3	22		
R7/31	W9/31	LKD	0	0	3	22
R8/31	W10/31	BEDROOM	0	10	0	10
R9/31	W11/31	BEDROOM	1	16	1	16
R10/31	W12/31	LKD	3	22		
R10/31	W13/31	LKD	0	0		
R10/31	W14/31	LKD	0	7	3	29
R11/31	W15/31	LKD	0	6		
R11/31	W16/31	LKD	0	0		
R11/31	W17/31	LKD	10	36	10	38
R12/31	W18/31	BEDROOM	7	29	7	29
R13/31	W19/31	BEDROOM	3	23	3	23
R14/31	W20/31	LKD	0	0		
R14/31	W21/31	LKD	14	36	14	36
R15/31	W22/31	BEDROOM	11	33	11	33
R16/31	W23/31	BEDROOM	12	34	12	34
R17/31	W24/31	BEDROOM	12	35	12	35
R18/31	W25/31	LKD	17	47		
R18/31	W26/31	LKD	16	33	22	61
R19/31	W27/31	BEDROOM	14	42	14	42
R20/31	W28/31	BEDROOM	13	41	13	41

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R21/31	W29/31	LKD	17	49		
R21/31	W30/31	LKD	24	52		
R21/31	W31/31	LKD	26	68	29	91
R22/31	W32/31	LKD	26	68		
R22/31	W33/31	LKD	21	50		
R22/31	W34/31	LKD	4	22	26	70
R1/32	W1/32	BEDROOM	2	17	2	17
R2/32	W2/32	BEDROOM	2	17	2	17
R3/32	W3/32	LKD	12	39		
R3/32	W4/32	LKD	3	23	12	47
R4/32	W5/32	BEDROOM	1	16	1	16
R5/32	W6/32	BEDROOM	1	16	1	16
R6/32	W7/32	BEDROOM	2	17	2	17
R7/32	W8/32	LKD	3	23		
R7/32	W9/32	LKD	0	0	3	23
R8/32	W10/32	BEDROOM	0	10	0	10
R9/32	W11/32	BEDROOM	2	17	2	17
R10/32	W12/32	LKD	4	24		
R10/32	W13/32	LKD	0	0		
R10/32	W14/32	LKD	0	9	4	33
R11/32	W15/32	LKD	0	9		
R11/32	W16/32	LKD	0	2		
R11/32	W17/32	LKD	12	42	12	46
R12/32	W18/32	BEDROOM	8	34	8	34
R13/32	W19/32	BEDROOM	4	28	4	28
R14/32	W20/32	LKD	0	1		
R14/32	W21/32	LKD	15	44	15	45
R15/32	W22/32	BEDROOM	11	36	11	36
R16/32	W23/32	BEDROOM	12	37	12	37
R17/32	W24/32	BEDROOM	13	39	13	39
R18/32	W25/32	LKD	18	50		
R18/32	W26/32	LKD	17	39	23	71

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R19/32	W27/32	BEDROOM	14	43	14	43
R20/32	W28/32	BEDROOM	14	44	14	44
R21/32	W29/32	LKD	17	51		
R21/32	W30/32	LKD	24	53		
R21/32	W31/32	LKD	26	68	29	93
R22/32	W32/32	LKD	26	68		
R22/32	W33/32	LKD	23	53		
R22/32	W34/32	LKD	4	23	26	71
R1/33	W1/33	BEDROOM	4	21		
R1/33	W30/33	BEDROOM	26	60	26	63
R2/33	W2/33	BEDROOM	2	15	2	15
R3/33	W3/33	LKD	20	50		
R3/33	W4/33	LKD	4	24	20	58
R4/33	W5/33	BEDROOM	2	17	2	17
R5/33	W6/33	BEDROOM	2	17	2	17
R6/33	W7/33	BEDROOM	2	17	2	17
R7/33	W8/33	LKD	4	24		
R7/33	W9/33	LKD	0	0	4	24
R8/33	W10/33	BEDROOM	0	10	0	10
R9/33	W11/33	BEDROOM	2	17	2	17
R10/33	W12/33	LKD	4	24		
R10/33	W13/33	LKD	0	3		
R10/33	W14/33	LKD	0	10	4	34
R11/33	W15/33	LKD	0	10		
R11/33	W16/33	LKD	0	3		
R11/33	W17/33	LKD	14	47	14	49
R12/33	W18/33	BEDROOM	11	41	11	41
R13/33	W19/33	BEDROOM	6	34	6	34
R14/33	W20/33	LKD	0	3		
R14/33	W21/33	LKD	15	46	15	48
R15/33	W22/33	BEDROOM	11	39	11	39
R16/33	W23/33	BEDROOM	13	41	13	41
R17/33	W24/33	BEDROOM	14	44	14	44

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R18/33	W25/33	LKD	18	51		
R18/33	W26/33	LKD	21	51	27	84
R19/33	W27/33	LKD	14	35		
R19/33	W28/33	LKD	16	46		
R19/33	W29/33	LKD	26	60	30	90
Building E1						
R1/60	W1/60	BEDROOM	24	43	24	43
R2/60	W2/60	KITCHEN	0	3		
R2/60	W3/60	KITCHEN	0	0		
R2/60	W4/60	KITCHEN	0	0	0	3
R1/61	W1/61	LIVINGROOM	24	60		
R1/61	W2/61	LIVINGROOM	14	34		
R1/61	W3/61	LIVINGROOM	0	8	24	66
R2/61	W4/61	BEDROOM	0	3	0	3
R1/62	W6/62	BEDROOM	24	59	24	59
R2/62	W7/62	BEDROOM	0	4	0	4
Building E2						
R3/60	W5/60	KITCHEN	0	0		
R3/60	W6/60	KITCHEN	0	0		
R3/60	W7/60	KITCHEN	0	13	0	13
R12/60	W22/60	BEDROOM	20	42	20	42
R3/61	W5/61	BEDROOM	0	3	0	3
R12/61	W20/61	LIVINGROOM	8	23		
R12/61	W21/61	LIVINGROOM	21	55	21	55
R3/62	W8/62	BEDROOM	0	4	0	4
R12/62	W4/62	BEDROOM	8	28		
R12/62	W5/62	BEDROOM	23	58	23	58
Building E3						
R4/60	W8/60	KITCHEN	0	2		
R4/60	W9/60	KITCHEN	0	0	0	2
R11/60	W21/60	BEDROOM	24	43	24	43
R4/61	W6/61	BEDROOM	0	3	0	3

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R11/61	W17/61	LIVINGROOM	24	60		
R11/61	W18/61	LIVINGROOM	14	34		
R11/61	W19/61	LIVINGROOM	0	8	24	66
R4/62	W9/62	BEDROOM	0	4	0	4
R11/62	W2/62	LIVINGROOM	24	59		
R11/62	W3/62	LIVINGROOM	14	34	24	59
Building E4						
R5/60	W10/60	KITCHEN	0	0		
R5/60	W11/60	KITCHEN	0	0		
R5/60	W12/60	KITCHEN	0	11	0	11
R10/60	W20/60	BEDROOM	21	43	21	43
R5/61	W7/61	BEDROOM	0	2	0	2
R10/61	W15/61	LIVINGROOM	8	23		
R10/61	W16/61	LIVINGROOM	21	55	21	55
R5/62	W10/62	BEDROOM	0	3	0	3
R10/62	W1/62	LIVINGROOM	23	58		
R10/62	W11/62	LIVINGROOM	8	28	23	58
Building E5						
R6/60	W13/60	KITCHEN	0	0		
R6/60	W14/60	KITCHEN	0	0	0	0
R9/60	W19/60	BEDROOM	23	42	23	42
R6/61	W8/61	BEDROOM	0	0	0	0
R9/61	W13/61	LIVINGROOM	23	59		
R9/61	W14/61	LIVINGROOM	14	34	23	59
R6/62	W14/62	BEDROOM	0	1	0	1
R9/62	W12/62	BEDROOM	14	34		
R9/62	W13/62	BEDROOM	23	58	23	58
Building E6						
R7/60	W15/60	KITCHEN	0	0		
R7/60	W16/60	KITCHEN	0	0		
R7/60	W17/60	KITCHEN	0	9	0	9
R8/60	W18/60	BEDROOM	20	42	20	42
R7/61	W9/61	BEDROOM	0	0	0	0

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R8/61	W10/61	LIVINGROOM	3	23		
R8/61	W11/61	LIVINGROOM	14	34		
R8/61	W12/61	LIVINGROOM	23	59	26	82
R7/62	W16/62	BEDROOM	0	1	0	1
R8/62	W15/62	BEDROOM	23	58		
R8/62	W17/62	BEDROOM	14	34		
R8/62	W18/62	BEDROOM	3	24	26	82
Building E7						
R1/50	W1/50	LKD	21	51		
R1/50	W2/50	LKD	24	52		
R1/50	W3/50	LKD	23	63		
R1/50	W4/50	LKD	25	67		
R1/50	W5/50	LKD	0	8		
R1/50	W6/50	LKD	4	24	25	69
R2/50	W7/50	BEDROOM	0	8		
R2/50	W8/50	BEDROOM	0	2		
R2/50	W9/50	BEDROOM	0	4	0	12
R3/50	W10/50	BEDROOM	0	0		
R3/50	W11/50	BEDROOM	0	0	0	0
R4/50	W12/50	BEDROOM	0	2	0	2
R5/50	W13/50	LKD	0	2		
R5/50	W14/50	LKD	0	0	0	2
R6/50	W15/50	BEDROOM	0	0	0	0
R7/50	W16/50	BEDROOM	0	0		
R7/50	W17/50	BEDROOM	13	37	13	37
R8/50	W18/50	LKD	24	68		
R8/50	W19/50	LKD	25	64		
R8/50	W20/50	LKD	21	51		
R8/50	W21/50	LKD	24	52	26	70
R9/50	W22/50	LKD	21	51		
R9/50	W23/50	LKD	24	52		
R9/50	W24/50	LKD	21	61		
R9/50	W25/50	LKD	24	65	24	66
R10/50	W26/50	BEDROOM	15	40	15	40
R1/51	W1/51	LKD	24	60		
R1/51	W2/51	LKD	24	60		
R1/51	W3/51	LKD	21	49		
R1/51	W4/51	LKD	0	8		

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R1/51	W5/51	LKD	2	19	24	66
R2/51	W6/51	BEDROOM	0	8		
R2/51	W7/51	BEDROOM	0	2		
R2/51	W8/51	BEDROOM	0	4	0	12
R3/51	W9/51	BEDROOM	0	4		
R3/51	W10/51	BEDROOM	0	1	0	5
R4/51	W11/51	BEDROOM	0	5		
R4/51	W12/51	BEDROOM	0	5	0	5
R5/51	W13/51	BEDROOM	0	3	0	3
R6/51	W14/51	LKD	0	5		
R6/51	W15/51	LKD	11	44		
R6/51	W16/51	LKD	4	32	11	45
R7/51	W17/51	BEDROOM	0	3		
R7/51	W18/51	BEDROOM	3	32		
R7/51	W19/51	BEDROOM	0	0	3	33
R8/51	W20/51	BEDROOM	11	26		
R8/51	W21/51	BEDROOM	9	35		
R8/51	W22/51	BEDROOM	21	49	28	81
R9/51	W23/51	LKD	24	60		
R9/51	W24/51	LKD	24	60		
R9/51	W25/51	LKD	21	49	24	60
R10/51	W26/51	LKD	15	40		
R10/51	W27/51	LKD	24	60		
R10/51	W28/51	LKD	24	60		
R10/51	W29/51	LKD	21	49	24	60
R11/51	W30/51	BEDROOM	15	40	15	40
R1/52	W1/52	LKD	24	60		
R1/52	W2/52	LKD	24	60		
R1/52	W3/52	LKD	21	49		
R1/52	W4/52	LKD	0	8		
R1/52	W5/52	LKD	2	18	24	66
R2/52	W6/52	BEDROOM	0	8		
R2/52	W7/52	BEDROOM	0	2		
R2/52	W8/52	BEDROOM	0	4	0	12
R3/52	W9/52	BEDROOM	0	4		
R3/52	W10/52	BEDROOM	0	1	0	5
R4/52	W11/52	BEDROOM	0	5		
R4/52	W12/52	BEDROOM	0	11		
R4/52	W13/52	BEDROOM	0	5		

Room	Window	Room Use	Window		Room	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH
R4/52	W14/52	BEDROOM	0	5	0	16
R5/52	W15/52	BEDROOM	0	3	0	3
R6/52	W16/52	LKD	0	5		
R6/52	W17/52	LKD	13	48		
R6/52	W18/52	LKD	7	42	13	48
R7/52	W19/52	BEDROOM	9	41	9	41
R8/52	W20/52	BEDROOM	14	44	14	44
R9/52	W22/52	LKD	21	49		
R9/52	W23/52	LKD	24	60		
R9/52	W24/52	LKD	24	60		
R9/52	W25/52	LKD	21	49	24	60
R10/52	W26/52	LKD	15	43		
R10/52	W27/52	LKD	24	60		
R10/52	W28/52	LKD	24	60		
R10/52	W29/52	LKD	21	49	24	60
R11/52	W30/52	BEDROOM	15	42	15	42

APPENDIX 3

Savills Terms of Business

TERMS OF BUSINESS CONSULTANCY

Savills (UK) Limited's standard terms of business are set out below. The accompanying engagement letter (the Letter) may vary these terms. The Letter and the terms of business will together form our Terms of Appointment and, as required by The Estate Agents Act 1979 also constitute the written terms of business which, along with their fees, agents are required to confirm to their clients. When you have read and understood the Letter and these Terms, you should sign and return the copy of the Letter to us to record your acceptance of them. If you fail to return the copy to us or fail to acknowledge your acceptance in writing (including by email), but continue to instruct us in relation to the Services, you will be deemed to have accepted these terms and the conditions set out in the Letter.

In this agreement, any reference to "we", "our" or "us" is to Savills (UK) Limited, reference to "you" is to the client to whom the Letter is addressed and references to the "Appointment" is to our appointment under the Terms of Appointment. In these terms the singular includes the plural and the masculine includes the feminine.

1.0 Our Responsibilities

1.1 Our role and responsibilities as agent and/or consultant, as appropriate, are set out in the Letter.

1.2 We undertake to comply with the terms of the Estate Agents Act 1979, the Consumer Protection from Unfair Trading Regulations 2008 (CPRs), the Business Protection from Misleading Marketing Regulations (BPRs) and other legislation where relevant to our Appointment as agent and/or consultant.

2.0 Fees

2.1 Responsibility for Payment of Fees, Costs & Charges

2.1.1 The person or company identified in the Letter as the client is responsible for payment of our fees, costs and charges. If more than one party is to be responsible, the Letter should be signed by all relevant parties and their liability will be joint and several.

2.1.2 From time to time we may pay commission to third parties who introduce new clients or new business to us. This may include an introduction made to you or in respect of business that we conclude for you. We pay commission out of revenue earned from the relevant introduction.

2.2 Calculation of Fees

2.2.1 Our fees for the Appointment are set out in the Letter.

2.2.2 Unless otherwise agreed in writing, our fees are exclusive of any other specialist consultants' advice that may be required e.g. service engineers. We will advise you of the need for such advice as necessary. When the Appointment of another specialist consultant is required, we will undertake responsibility for the co-ordination and integration of such specialist consultant's work, but the appointment will be made directly between you and the other specialist consultant, and will form a separate contractual relationship. Unless otherwise agreed in writing, we have no responsibility for such other specialist consultant's performance of your instructions. Where you approve the appointment of a specialist consultant, you hereby authorise us to enter into a contract with such consultant on your behalf.

2.3 Expenses

2.3.1 In addition to the fees quoted above, reasonable disbursements will be charged. Travel and subsistence, photography, printing, photocopying, binding, postage and couriers are all charged as disbursements.

2.3.2 Until we receive written authority to proceed in connection with incurring disbursements, we reserve the right not to proceed with the consultancy.

2.4 Timing of Payment

2.4.1 Unless otherwise specified in the Letter, we shall raise invoices for our fees on a monthly basis.

2.4.2 Subject to clauses 2.1 to 2.3 above, our fee and any outstanding expenses are due and payable within 14 days following receipt of invoice.

2.5 VAT

2.5.1 All our fees, costs and charges are exclusive of Value Added Tax, which (where applicable) will be paid by you to us in addition to the sums due.

2.6 Interest and Recovery of Fees

2.6.1 Interest will be payable at 4% above the Barclays Bank base rate from time to time on any invoice that remains unpaid for 14 days after payment is due.

2.6.2 If we find it necessary to use solicitors or other parties to recover agreed fees, costs or charges, you agree to pay any reasonable costs incurred by us in this respect.

3.0 Suspending and Terminating Instructions

3.1 You or we may at any time terminate the Appointment by giving not less than 28 days' written notice (unless otherwise agreed in the Letter). Notice by either side does not detract from our right to charge fees under clause 2.0 above.

3.2 Either party may terminate this Appointment immediately upon giving notice in writing to the other party if (in the reasonable opinion of the terminating party) any one of more of the following events occurs or is likely to occur:

3.2.1 a party making any voluntary arrangement with its creditors, entering administration or going into liquidation; or

3.2.2 a security holder taking possession, or a receiver or administrative receiver being appointed, over all or any part of the property or assets of a party; or

3.2.3 any other similar or analogous event in any jurisdiction;

3.2.4 the other party commits a material breach of these Terms of Appointment.

3.3 We may suspend performance of our obligations under these Terms of Appointment without liability if you fail to pay any sum when due and fail to rectify such breach within seven days of receiving notice of non-payment.

3.4 If this Appointment is terminated or suspended for any reason under clause 3.0 above, you shall pay all fees and expenses due, commensurate with the services performed, including time spent in closing down the instruction. We reserve the right to invoice for all disbursements incurred to date and the greater of the time-charge for the work carried out or:-

3.4.1 Lump-sum fixed fees: pro-rata the fee by reference to the stage that work has reached;

3.4.2 'Success' fees: a reasonable percentage of the anticipated fee, by reference to the stage in negotiations that has been reached;

4.0 Limitation of Liability

4.1 Neither party will be liable for any loss of profit (other than in respect of our fees, costs or charges), loss of business or goodwill, or for any special, indirect or consequential loss or damage suffered by the other (including as a result of an action brought by a third party), save that nothing in these Terms of Appointment will exclude or restrict any liability which either party may have for (i) death or personal injury arising out of negligence, (ii) fraudulent misrepresentation or (iii) any other liability which cannot be restricted or excluded by law.

4.2 We will not be liable for any loss as a result of your receipt of any information, data or communications supplied or sent by us electronically, where through no fault of our own the relevant information, data or communication has been corrupted or otherwise modified as a result of it being supplied or sent electronically. You will be responsible for ensuring that any materials you provide or send us by any electronic medium and/or by computer disk are, and remain, virus free.

4.3 Subject to clauses 4.1 and 4.2 our total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation, restitution or otherwise, arising in connection with the performance or contemplated performance of the Appointment or otherwise under the Terms of Appointment, unless otherwise agreed in writing, shall be limited to £5.0m.

5.0 Indemnity

5.1 Subject to clause 4.0 above you will indemnify and keep us indemnified on an after tax basis against all losses, damages, costs and expenses suffered or incurred by us, arising out of or by virtue of your instructions to us or arising out of any act, omission or default by you, any joint agent or any other third party instructed by you, other than any losses, damages, costs and expenses arising by virtue of our default or negligence.

5.2 During the term of the Appointment and for a period of 6 years thereafter, we will maintain in force, with a reputable insurance company, professional indemnity insurance in an amount not less than £5.0m and shall, on your request, produce confirmation from our insurance broker giving details of cover and that the current year's premium has been paid.

6.0 Compliance

6.1 The CPRs and BPRs

6.1.1 Under the CPRs and BPRs it is a criminal offence for an agent to make inaccurate or misleading statements about property whether in sale particulars, adverts, photographs or verbal statement. This includes making statements that might give the wrong impression about a property and includes omitting facts. You will be asked to verify certain information and must assist to the best of your knowledge.

6.1.2 You will ensure that you advise us of all material facts relevant to us acting as agent and that all information provided by you and/or your professional advisers is and remains complete, accurate and not misleading, for example:

6.1.2.1 you will inform us of any unusual or onerous encumbrances, restrictions, easements, outgoing or conditions attaching to the property; and

6.1.2.2 you will inform us if the property does not comply with all relevant statutory requirements or if the property has not been constructed or is occupied in contravention of or is to be sold or let without valid planning permissions and building regulation and all other approvals required by regulation; and

6.1.2.3 you will check all marketing materials and promptly notify us if any part of those materials is or becomes incomplete, inaccurate or misleading.

6.1.3 We will notify you as soon as reasonably practicable if we become aware that any information provided by you is incomplete, inaccurate or misleading. You will be responsible for any additional costs subsequently incurred by us to ensure that the circulation of incomplete, inaccurate or misleading information is rectified, whether by the reissue of amended marketing materials or otherwise.

6.2 Money Laundering

6.2.1 We are obliged to identify our clients in accordance with the requirements of the Money Laundering Regulations 2007. We are likely to request from you, and retain, some information and documentation for these purposes and/or make searches of appropriate databases electronically. For the avoidance of doubt, searches may also be conducted on directors and "beneficial owners" of the client as required by the legislation. If satisfactory evidence of your identity is not provided within a reasonable time, there may be circumstances in which we are not able to proceed with the instruction.

6.2.2 The provision of our services is a business in the regulated sector under the Proceeds of Crime Act 2002 and, as such, we are required to comply with this legislation which includes provisions that may require us to make a money laundering disclosure in relation to information we obtain as part of our normal work. It is not our practice to inform you when such a disclosure is made or the reasons for it because of the restrictions imposed by the "tipping off" provisions of the legislation.

6.3 Data Protection

6.3.1 In the course of providing services to you, we may collect or receive personal information relating to you and (where the client is a company) your employees, officers and shareholders or (where the Client is an individual) members of your family. We will use such personal information for the purpose of providing services to you in accordance with our Appointment. We will also use personal information for related purposes, such as updating our client records, carrying out identity checks in accordance with money laundering requirements (as further set out above in clause 6.2.1) and carrying out credit checks. We may use third party data processors to carry out such activities on our behalf. Data processors may be located in any part of the world. We will ensure that data processors take adequate steps to protect your personal information.

6.3.2 Where we use your personal information to carry out credit checks and anti-fraud checks your details will be passed to credit reference or fraud prevention agencies, who may keep a record of your information and the checks carried out.

6.3.3 If you provide personal information to us relating to another person, you must ensure that you are permitted to pass such information to us and that the individual concerned is aware that you are passing their personal information to us.

6.3.4 We may contact you from time to time by email, post or telephone about products and services that we think may interest you. If you would prefer not to receive such communications please let us know by sending an email to data@savills.com.

6.3.5 We may also pass your personal information to our holding company Savills plc, other members of the Savills group and our associated companies ("Group Companies") to enable them to contact you by telephone, post or email about their products and services. Information that may be passed to Group Companies includes contact details, information about services provided to you by us and other Savills contacts known to you. Group Companies may be located anywhere in the world. For a full list of Group Companies please contact the Company Secretary. By instructing us, you

consent to us passing your information to Group Companies and to Group Companies using your contact information to send marketing materials to you, including by email.

6.3.6 If you have any queries about how we use your personal information or if you would like to see a copy of our data protection policy please contact the Company Secretary at 33 Margaret Street, London W1G 0JD, or compliance@savills.com.

6.4 Equality Act 2010

6.4.1 We are committed to promoting equality and diversity in all our dealings with clients, suppliers, third parties and employees and require that you co-operate with this approach. If you would like to see a copy of our equality and diversity policy please contact the Company Secretary at 33 Margaret Street, London W1G 0JD, or compliance@savills.com.

6.5 Anti-Corruption

6.5.1 You shall comply at all times with all applicable laws, statutes and regulations relating to anti-bribery and anti-corruption including but not limited to the Bribery Act 2010.

7.0 Health and Safety

7.1 You are responsible for all health and safety, and environmental obligations in accordance with all relevant laws, enactments, orders, codes of practice and regulations in relation to our Appointment.

7.2 You must ensure that we are notified of and provided with all relevant information relating to risks to health and safety and any documentation and/or measures in place to manage those risks. This includes any relevant information to ensure that any viewings or visits are conducted safely.

8.0 Confidentiality

8.1 Each party undertakes that it shall not disclose to any person any confidential information concerning the business, affairs, customers, clients or suppliers of the other party except as permitted by clauses 8.2 and 8.3 below.

8.2 Each party may disclose the other party's confidential information:

8.2.1 to its employees, officers, representatives, contractors, sub-contractors or advisers who need to know such information for the purposes of carrying out the party's obligations under Terms of Appointment ("Permitted Recipients"). Each party shall ensure that its Permitted Recipients comply with this clause 8; or

8.2.2 with the other party's prior consent; or

8.2.3 as may be required by law, court order or any governmental or regulatory authority.

8.3 Neither party shall use any other party's confidential information for any purpose other than to perform its obligations under these Terms of Appointment.

8.4 The provisions of this clause shall survive any termination of this Appointment.

9.0 Use of Information

9.1 Subject to our confidentiality obligations under clause 8, information provided to us by you, or relating to our instructions may be published or otherwise used by us for marketing purposes either before or after the expiry or termination of our Appointment.

9.2 All advice and services produced for you ("Work") is to be regarded as confidential to the party to whom it is addressed and is intended for the use of that party only. Consequently, in accordance with current practice, no responsibility is

accepted to any third party in respect of the whole or any part of the Work. Before the Work, or any part of it is reproduced, our written approval as to the form and context of such publication must be obtained.

10.0 Intellectual Property Rights

10.1 All Intellectual Property Rights and all other rights in all reports, drawings and accounts and other documentation created, prepared or produced by us in relation to our Appointment shall be owned by us. Subject to 10.2 below, we license all such rights to you free of charge and on a non-exclusive, worldwide basis to such extent as is necessary to enable you to make reasonable use of such reports, drawings and accounts and other documentation.

10.2 You acknowledge that, where we do not own any pre-existing materials, your use of rights in pre-existing materials is conditional on us obtaining a written licence (or sub-licence) from the relevant licensor or licensors on such terms as will entitle us to license such rights to you.

11.0 Complaints Procedure

11.1 In accordance with the Royal Institution of Chartered Surveyors' Rules of Conduct, we operate a formal procedure to deal with complaints from clients and others. Details of this procedure are available from the Complaints Handling Officer (complaints@savills.com).

11.2 For unresolved business to business complaints there are provisions for matters to be referred to mediation or arbitration as appropriate. We are also members of the 'Ombudsman Services: Property' for the resolution of any consumer complaints that are not satisfactorily resolved between the parties.

11.3 Your right to pursue any dispute through the courts is not affected by the option to resolve a dispute through the complaints procedure or arbitration.

12.0 Third Party Rights

12.1 We are a member of the group of companies whose ultimate holding company is Savills plc. These Terms of Appointment, including any written variation, may be enforced by any member of the Savills Group pursuant to the Contracts (Rights of Third Parties) Act 1999, but otherwise the Provisions of the Contracts (Rights of Third Parties) Act will not apply.

12.2 Notwithstanding that these Terms of Appointment may be enforced by Savills Group, the Terms of Appointment may be varied or the Appointment may be suspended or terminated in accordance with the Terms of Appointment or by mutual consent, in each case without the consent of any such third party.

13.0 Assignment

13.1 You shall not be entitled to assign, sub-contract or otherwise dispose of any of your rights or obligations under these Terms of Appointment without our prior written consent.

13.2 We may at any time and without seeking your consent, assign or sub-contract our rights and obligations under these Terms of Appointment to another company within the Savills Group (the "Transferee"). On condition that the Transferee undertakes for your benefit to perform with effect from the date of assignment all of our obligations under these Terms of Appointment in our place, you shall accept such performance and shall release us from any and all obligations and liability under these Terms of Appointment arising on or after the date of assignment.

14.0 Order of Priority

14.1 The Letter and these terms are to be read together as a single document which make up the Terms of Appointment. In the event of any conflict, the terms of the Letter will prevail

Force Majeure

14.2 We reserve the right to delay performance or to cancel the Appointment (without liability to you) and we will not be liable to you for any delay in performing or failure to perform our obligations under the Terms of Appointment where that delay or failure is caused by any circumstances beyond our reasonable control including, without limitation, acts of God, governmental actions, war or national emergency, acts of terrorism, protests, riot, civil commotion, fire, explosion, flood, epidemic, lock-outs, strikes or other labour disputes (whether or not relating to either party's workforce) or your default provided that, if the event in question continues for a continuous period in excess of 10 days, you shall be entitled to give notice in writing to us to terminate the Appointment.

15.0 Severability

15.1 If any provision of the Terms of Appointment (or part of any provision) is found by any court or other authority of competent jurisdiction to be invalid, illegal or unenforceable, that provision or part-provision shall, to the extent required, be deemed not to form part of the Terms of Appointment, and the validity and enforceability of the other provisions of the Terms of Appointment shall not be affected. If a provision of these Terms of Appointment (or part of any provision) is found illegal, invalid or unenforceable, the provision shall apply with the minimum modification necessary to make it legal, valid and enforceable.

16.0 Entire Agreement

16.1 The Terms of Appointment constitute the entire agreement and understanding of the parties as to the subject matter of the Terms of Appointment. They supersede any prior agreement or understandings between the parties and no variation of the Terms of Appointment will be binding unless agreed in writing.

17.0 Applicable Law and Jurisdiction

17.1 These Terms of Appointment and any dispute or claim, including a dispute or claim of a non-contractual nature, arising under or in connection with these Terms of Appointment shall be governed by and construed in accordance with the law of England and Wales.

17.2 The parties to these Terms of Appointment irrevocably agree that, subject as provided below, the courts of England and Wales shall have exclusive jurisdiction over any dispute or claim arising under or in connection with these Terms of Appointment. Nothing in this clause shall limit our right to take proceedings against you in any other court of competent jurisdiction, nor shall the taking of proceedings in any one or more jurisdictions preclude the taking of proceedings in any other jurisdictions, whether concurrently or not, to the extent permitted by the law of such other jurisdiction.

17.3 Where relevant, the Terms of Appointment will be subject to both the 2008 edition of the RICS '*Surveyors acting as Expert Witnesses*' and '*Surveyors acting as Advocates Practice Statement and Guidance Notes*' and the Civil Procedure Rules and Pre-Action Protocols that came into force in April 1999. A judicial or quasi-judicial body in the United Kingdom may rely upon our subsequent Expert Evidence. A copy of the RICS '*Surveyors acting as Expert Witnesses and Advocates Practice Statement and Guidance Notes*' can be supplied to you on request.

18.0 Provision of Service Regulations

18.1 Under the Provision of Service Regulations 2009, we are required to make certain information available to customers to whom we are providing services. This information can be found at the following web address:
<http://www.savills.co.uk/footer/provision-of-services-regulations.aspx>

APPENDIX 4

Savills Guidance Note – Daylight and Sunlight

Daylight and Sunlight Guidance Notes

October 2011

Prepared By:



Savills Commercial Limited
25 Finsbury Circus
London
EC2M 7EE

SAVILLS GUIDANCE NOTES - AN OVERVIEW OF DAYLIGHT AND SUNLIGHT

1.0 INTRODUCTION

- 1.1 Daylight and sunlight are amenities enjoyed by the inhabitants of a building. Whilst 'Rights to Light' have been acknowledged in England and Wales for hundreds of years, recently issues surrounding the need for adequate lighting has become more important to Local Authorities, particularly when assessing the design of a development and the impact it may have on surrounding properties.
- 1.2 Daylight and sunlight considerations are now commonly incorporated within Unitary Development Plans (UDP's) and Local Plans and play an important part in many planning applications. This is principally enforced via Environmental Impact Assessments (EIAs), which were introduced under the EIA Regulations 1999¹.
- 1.3 Clearly, where analysis is required, this must follow relevant guidance, most notably Building Research Establishment (BRE) Guidance Note 209 – '*Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice*'.²
- 1.4 Broadly speaking, the aim of the BRE guide is to help to ensure that conditions in the local environment are considered. The aim of this is to secure sufficient sunlight and daylight for new developments and surrounding neighbours in order to promote good interior and exterior conditions. Needless to say, where daylight and sunlight is not considered or is not provided for in accordance with the relevant guidance, the Planning Application would be subject to potential failure and an extensive redesign process in order to rectify any shortfalls.
- 1.5 Although Local Authorities do have subtle differences in their application of daylight and sunlight criteria, BRE Guidance Note 209 provides the basis of most Local Authority requirements.
- 1.6 There are many factors that need to be taken into account when assessing daylight and sunlight in respect of a proposed development, therefore it is important that a holistic case specific approach is taken in order that all variables can be accounted for.

2.0 BRE GUIDANCE NOTE 209

- 2.1 The BRE Guide is often the main document used by Local Authorities when considering daylight and sunlight as part of the planning approval process. It provides the basis of what level of loss can be considered 'material' (i.e. at which point levels become unacceptable) - therefore assisting in the process of development control.
- 2.2 It is important to emphasise that whilst the BRE Guidelines are not mandatory and should not to be used as an instrument of planning policy, they have become an important 'guide' to planners when considering the design of a proposed development and the impact it will have upon the surrounding urban area.
- 2.3 The BRE Guide states:

"The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and the guide should not be seen as an instrument in planning policy; its aim is to help rather than constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly because natural lighting is only one of many factors in site layout design. In special circumstances the developer or Planning Authority

¹ Correct title being the 'Town and Country Planning (Environmental Impact Assessment) (England and Wales) Regulations 1999'.

² This document was first published in 1991 as a direct commission from the Department of the Environment. BRE 209 was most recently updated in October 2011. The document superseded the 1971 Department of the Environment '*Sunlight and daylight*' guidance document. BRE Guide 209 takes into account the British Standard Code of Practice for Daylighting; BS8206 Part 2 - a stand alone document which also provides guidance on this matter.

may wish to use different target values. For example, in an historic city centre, or in an area with modern high rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings”.

2.4 BRE Guide 209 (2011) sets out a number of circumstances where it may be appropriate to consider alternative daylight and sunlight target levels which are particularly relevant in respect of dense city-centre development. These circumstances include:

- Where the provision of balconies to neighbouring properties makes them particularly sensitive to development of neighbouring properties it may be appropriate to analyse the position without these balconies in place.
- Where there is an extant planning consent for a site the effect of the permitted scheme may be used as a benchmark when considering future revised or alternative schemes.
- The target levels adopted should be consistent with the site context. Therefore where a higher degree of obstruction is evident to existing neighbouring properties similar targets may be considered in respect of new development.
- Where a neighbouring property has windows close to a joint site boundary it should not take more than its share of light and there should be parity between the constraints imposed on neighbouring sites. This may be assessed by considering a ‘mirror-image’ of the affected property as the baseline position for development of the neighbouring site.

2.5 The greatest need, under normal circumstances, for daylight and sunlight is to ‘habitable’ rooms of residential buildings. This is acknowledged within the guidelines, which place the most emphasis on these uses. Indeed Local Authorities are usually only concerned with the impact to ‘habitable’ rooms and this is often reflected in the drafting of local planning policy.

2.6 The BRE Guide considers both daylight and sunlight. These factors are discussed separately below.

3.0 DAYLIGHT

3.1 Daylight, or skylight, is the amount of light that enters a room and should not be confused with sunlight (discussed later) which is direct sunlight. Daylight can be used to determine the loss of light to a building as a result of a neighbouring development or the internal quality of daylight within a room.

3.2 Initially, when considering the impact to a nearby building the BRE Guide states that where a new development falls beneath a 25 degree angle, taken from the centre of a neighbouring window or a point 1.6m above ground level in relation to floor to ceiling windows, then there will be no material impact on daylight and no further analysis is required. If this is not the case then the BRE Guide recommends that further analysis is undertaken to establish if there will be adequate daylight or, to be precise, light from the sky.

3.3 The BRE Guide and other relevant supporting documentation suggests various methods for calculating daylight;

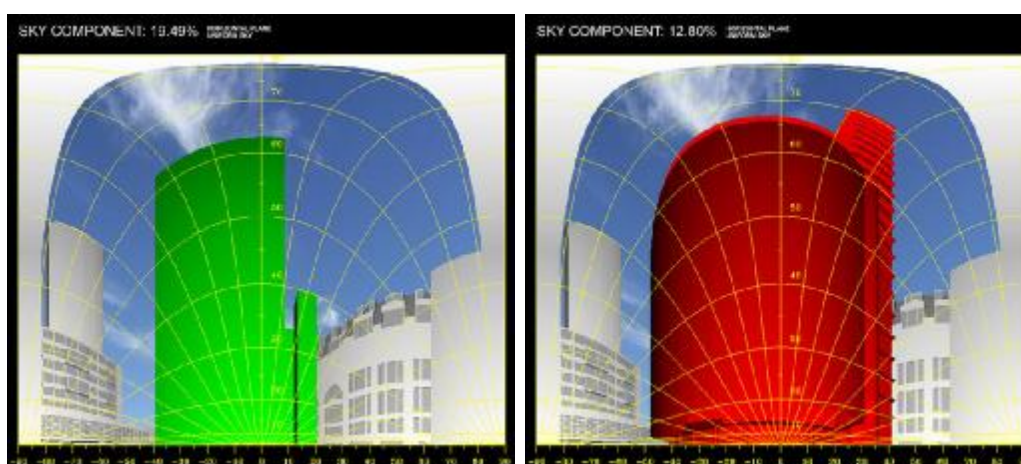
- Vertical Sky Component (VSC)
- No Sky Contours or Daylight Distribution (NSC/DD)
- Average Daylight Factor (ADF)

4.0 VERTICAL SKY COMPONENT (VSC)

4.1 This is the measure of the amount of skylight incident on a vertical plane (i.e. a window). Where establishing the daylight falling upon a window we consider the light at the centre of the window. The VSC is calculated by assessing the ratio of skylight available as a percentage of the unobstructed skylight

available at that same point. For a uniform sky, the maximum value is 50% (since the point is on a vertical plane, clearly only half the hemisphere of light can contribute). For a CIE³ sky, the maximum value is 39.6%.

- 4.2 The guidelines state that if the VSC at the centre of a window is less than 27% and less than 0.8 times its former value as a result of the development in question, the diffuse day lighting of the existing building will be adversely affected. A value of 27% corresponds to an infinite obstruction angle of 25 degrees - which is why at 25 degrees and above we can normally discount the need for any further daylight and sunlight analysis (see 3.2 Above). Again it is important to note that the BRE Guide (as with all the BRE guidelines) can be interpreted with a degree of flexibility and this is not a hard and fast rule.
- 4.3 One way of measuring the VSC and displaying any change clearly is by using a Waldram Diagram. As can be seen (below), this method can be used to provide an easy to understand pictorial representation of the pre and post construction VSC.



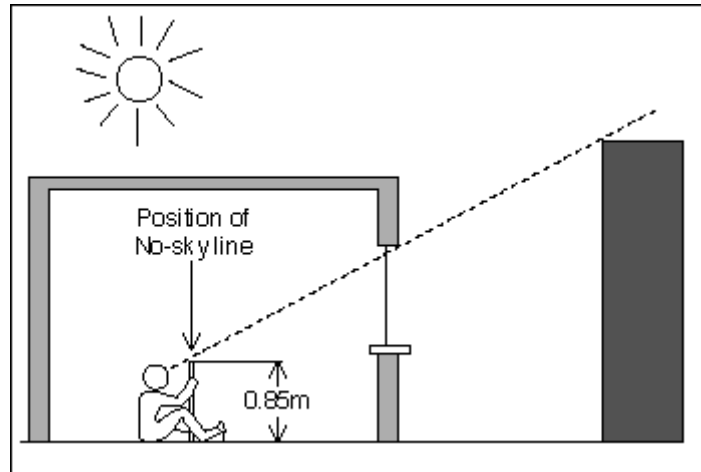
An Example Of A Waldram Diagram Analysis

- 4.4 As already established an unobstructed view from the vertical plane of a window would give a VSC value of 39.6%, this would correspond to 50% of the hemisphere. The diagram shows how 12.8% of the sky remains after an obstruction has been erected which, when compared with the existing situation shows a marked decrease from the original 19.49% VSC. This is less than 0.8 times its former value and is less than the 27% recommended. Consequently the VSC for this window would fall beneath the guideline BRE target value – and, as a result, introduce potential planning risk. Accordingly, on this hypothetical project, we would need to work closely with Planners and Architects in order to mitigate this problem and secure planning consent.

³ Commission Internationale d'Eclairage – the creator of the model for a standard overcast sky.
Savills Commercial Limited: Guidance Notes – An Overview of Daylight and Sunlight

5.0 NO SKY CONTOUR (NSC) / DAYLIGHT DISTRIBUTION (DD)

5.1 The NSC measures the point, at desktop level, where sky is no longer visible through a window. See below:



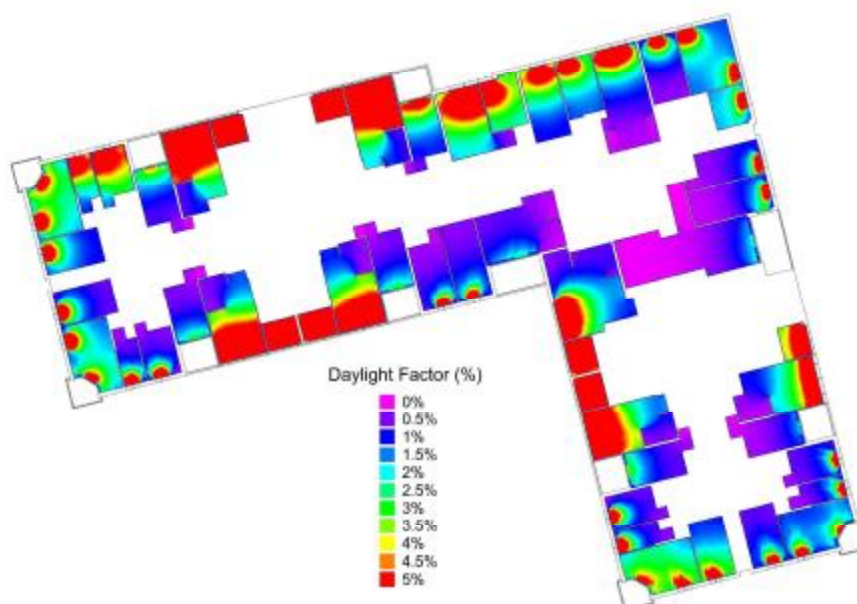
How To Establish The Location Of The No Sky Contour

5.2 The NSC is similar to the VSC approach in that the BRE guidelines state that 20% reduction to the existing area of sky visibility within the room is considered acceptable. Accurate assessment of the position of the No-Sky Contour is reliant upon knowing room layout although an adequate indication of the position may be achieved by adopting appropriate assumptions based upon external observations.

5.3 The NSC, which is sometimes referred to as the Daylight Distribution (DD), enables a greater understanding of the spread of daylighting within a room. The BRE Guide does not relate this methodology of analysis to 'room use', instead it is used to simply provide an understanding of the 'change' caused by the proposed development.

6.0 AVERAGE DAYLIGHT FACTOR

6.1 Average Daylight Factor or ADF is qualitative assessment of the amount of daylight within a room, in other words it is used to show how well a room is illuminated (see diagram below).



Daylight Factor Analysis With Results Indicated On A Floor Plan In False Colour