

Daylight and Sunlight Report

Teddington Riverside, London

DATE: June 2014 Update

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TEDDINGTON RIVERSIDE, LONDON – DAYLIGHT AND SUNLIGHT

1.0 INTRODUCTION

We have been instructed to provide a Daylight and Sunlight Report in respect of the above development.

This, June 2014, updated report addresses queries raised in respect of our earlier February 2014 report supporting the planning submission.

This Report concentrates on the daylight and sunlight effects to neighbouring properties and within the proposed development providing commentary on our analysis where appropriate. In addition we have also completed assessments illustrating the shading effects of the proposal and sunlight availability to the amenity areas within and around the scheme.

In producing the three dimensional AutoCAD model for our analysis we have relied on the information noted in paragraph 2 (below) - other limitations can be found at paragraph 4.

2.0 SOURCES OF INFORMATION

Ordnance Survey

Digital OS extract

Aerial Photography

Subscription free photographic images available from Google and Multimap

Site Photography

Taken by Savills (UK) Limited

Surrounding Context Information

Three dimensional survey model by Architect*

Proposed Scheme

Proposed February 2014 planning submission scheme drawings by Architect*

Note: * - see drawings enclosed at Appendix 1 for further Source Information.

- note the reference to the scheme dated 12/12/2013 on the attached drawings references



the current design in terms of this analysis. Although the scheme has changed subtly since these changes did not affect the external massing or materially alter the layouts of the proposal. The results of our analysis have been thoroughly checked against the February 2014 planning submission scheme.

3.0 BRIEF DESCRIPTION OF THE SITE

The development site is broadly square in shape and is located on the bank of the River Thames. Previously the site was known as Teddington Studios - a television production facility. Access to the site is from Broom Road, which forms part of the southernmost boundary to the site, the sites northernmost boundary is formed by the River Thames.

The proposed scheme consists of a high quality, multi storey, residential development, which contains blocks A – E7, which are defined within the drawings enclosed at Appendix 1.

Unless specifically commented upon within the main body of this Report, we have not been made aware of any other planning permissions which could impact upon our analysis.

Our understanding of the existing and proposed massing is detailed in drawings enclosed at Appendix 1. The results of our analysis is provided at Appendix 2.

4.0 STANDARD LIMITATIONS

Although we have undertaken as detailed an inspection of the information as possible, we are required by our professional indemnity insurers to notify you that our Report is based upon the Terms of Business attached at Appendix 3.

In addition to the Standard Limitations the following limitations and assumptions also apply.

- Our analysis reflects the scheme as designed at the point of analysis. Where changes occur, from this original baseline proposal, our analysis will need to be updated.



5.0 DAYLIGHT AND SUNLIGHT

National Planning Policy

There is no current, specific legislative framework relating to developments and their potential effect on daylight and sunlight. However, in terms of guidance the most common point of reference is the BRE Guide (see below).

Local Planning Policy

In assessing proposals for development, local Policy has regard to 'Site Layout Planning for Daylight and Sunlight: a Guide to Good Practice (Second Edition)', published by the Building Research Establishment in 2011 (BRE Guide)."

This approach is adopted in the London Borough of Richmond Development Management Plan (adopted 2011) in which policy DM DC 5 states:

6.1.31 With respect to light, the Council will be guided in general terms by the standards set out in Site Layout, Planning for Sunlight and Daylight, and in Sun on Ground Indicators (BRE 1991); or any standards replacing them, to ensure this.

Whilst the BRE Guide does apply to offices / commercial accommodation, however, local authorities are principally concerned with the impact to residential properties and in particular 'habitable rooms' within these. A more detailed explanation of the BRE Guide can be found in our Guidance Note which is enclosed at Appendix 4.

It is important to remember that the BRE Guide states that '*the advice given here is not mandatory and should not be seen as an instrument of planning policy*' – *instead it should be considered a guide to aspirational levels of daylight and sunlight*. Furthermore, daylight criteria should, particularly in built up areas, be '*interpreted flexibly because natural lighting is only one of many factors*'. Based upon these statements it is important to apply the guidance sensibly and flexibly taking into account the context of the site.



Daylight and Sunlight Detail

Externally

Conventionally, only residential properties are considered for daylight and sunlight levels. Furthermore, living rooms, kitchens and bedrooms are the primary focus of the guideline recommendations. A more detailed explanation of BRE Guidance on daylight can be found in our Guidance Notes.

We have considered the proposal in relation to the Vertical Sky Component (VSC), Daylight Distribution (DD) and Average Daylight Factor (ADF) methodologies as recommended by the BRE Guide. VSC is a measure of daylight at the window centre and the BRE Guide permit a reduction of up to 20% on the existing situation. This is based upon the BRE stating that such a change would remain unnoticeable.

ADF is an additional method for considering daylight within a room. The ADF calculation combines the VSC from each window serving the room with various characteristics such as room and window size to provide value that can give an approximate expression to the amount of daylight within the room. Whilst the BRE guide does not generally recommend the use of ADF calculations as a primary indicator of external daylight impacts the results in respect of external receptors have been presented as a further tool to enable an assessment of the overall retained daylight conditions.

The BRE Guide use Average Probable Sunlight Hours (APSH) as the methodology for calculating sunlight levels. This considers the amount of total and winter sunlight. The BRE recommends that the APSH in the proposed situation should be at least 25% of the annual total (of which 5% should ideally be from the Winter months). When the proposed value falls short of this standard the reduction should be within 0.8 times its former value.

Only residential properties that face within 90° of due South are taken into account for sunlight analysis, the BRE Guide considers that sunlight to main living room windows as the most important.

Internally

The daylight and sunlight conditions within proposed residential dwellings are assessed using the ADF assessment for daylight and the APSH assessment for sunlight. This is in line with the BRE Guide and Policy.

The BRE Guide and British Standard 8206 - 2:2008 only provides target ADF values for habitable rooms within dwellings. The defined target values are restricted to the following rooms:

2.0% - Kitchens



1.5% - Living Rooms

1.0% - Bedrooms

For sunlight the Annual Probable Sunlight Hours (APSH) test calculates the percentage of statistically probable hours of sunlight received by each window in both the summer and winter periods. March 21st through to September 21st is considered to be the summer period while September 21st to March 21st is considered the winter period. In the United Kingdom the sun travels from East to West through the southern hemisphere. This being the case only those windows orientated within 90o of due South and which overlook the site of the proposal are relevant for assessment because only these will receive noticeable sunlight levels.

In housing, the main requirement for sunlight is in living rooms, where it is valued at any time of day, but especially in the afternoon. It is deemed as less important in bedrooms and in kitchens, where people generally prefer it in the morning rather than the afternoon.

The BRE Guide also states that:

“In general, a dwelling...will appear reasonable sunlight provided [that it has] at least one main window...[which] faces within 90 degrees of due South and the centre of at least one window to a main living room can receive 25% of annual probable sunlight hours, including 5% of annual probable sunlight hours in the winter months between 21 September and 21 March.”

In terms of daylight and sunlight analysis we have restricted our comments below to relevant residential habitable rooms (i.e. living rooms, kitchens and bedrooms), within the scheme – concentrating on those which experience the lowest ADF and APSH levels. Any rooms not specifically mentioned are either non-habitable and therefore should not be considered or are seen to fall within the criteria laid down by the BRE Guide.



Results of Analysis

Our results have considered those areas of the scheme which are likely to receive the lowest levels of daylight and sunlight as a result of the design of the scheme. The remaining properties, where these are seen to comply with BRE Guide, can therefore be assumed to be fully supportable. The areas tested have therefore been confined to those detailed in our drawings, which are enclosed at Appendix 1. For obvious reasons, we have not made detailed comment upon each of those rooms which are considered supportable under the BRE Guide.

When undertaking our tests we have assumed light finishes to all internal surfaces, and have used other factors recommended under the BRE Guide (i.e. maintenance factors etc).

As recommended by the BRE Guide we have factored in the impacts of the Balconies to the scheme as by testing the scheme without these in place. Our comments below are based upon this.

External Daylight and Sunlight

Having considered the Flats to South of Site - the most proximate residential receptors; all of which are shown in drawings SA132/30a – 33a (See Appendix A) we have provided analysis detailing the results of the impacts. This is enclosed at Appendix B. The results of our analysis show that none of the adjacent residential properties analysed will suffer a loss in daylight or sunlight which will not comply with the aspirations of the BRE Guide in respect of the primary Vertical Sky Component and Daylight Distribution assessment methods. Average Daylight Factor analysis has also been completed to add further detail as to the retained conditions.

This scheme is therefore fully supportable in respect of surrounding receptors. For clarity, as the Anglers Pub and Lensbury Lodge are in commercial use they would not normally be considered in respect of daylight and sunlight.

A query has arisen as to whether these properties retain elements of residential use as Valuation Office Agency (VOA) records indicate potential elements of residential use. In respect of Lensbury Lodge these properties are understood to have recently been converted to commercial use which was confirmed with the contractor on site in December 2013. In respect of the Anglers Pub there may be elements of ancillary residential accommodation (which in any event would be considered less sensitive to daylighting effects) however the windows facing the proposal are clearly commercial in use being enclosed upon by extraction vents etc (see photo below):



Photo illustrating windows of Anglers Pub looking towards proposal

In addition to the a query was raised in respect of the differential between the Vertical Sky Component reduction and Average Daylight Factor reduction affecting room R2/520 within the 'flats to southwest of site northwest facing'. Our analysis is accurate however this anomaly occurs as the window (W2/520) belonging to this room is a small letter box shaped window which serves this room. Due to the size of this window, the glazing area element of the ADF calculation is very low thus leading to a particularly sensitivity in ADF levels when compared with the percentage reduction in Vertical Sky Component to this window. In any event this is a secondary window to this space.

Internal Daylight and Sunlight

The study submitted alongside our February 2014 report units did not take into account the effect of balconies in respect of internal daylighting. The BRE Guidelines acknowledge that daylight / sunlight is 'only one of many factors in site layout design' and goes on to stress, although principally in relation to external receptors, that 'windows with balconies above them typically receive less daylight'.

The provision of balconies affects the sky view of the windows below them and therefore is a trade-off between the provision of internal daylight amenity throughout a living space and the valuable private amenity provided by balconies and terraces. In respect of the current proposals this is however addressed through a considered design response which 'stagger' the arrangement of balconies such



that every window serving sensitive rooms are not obstructed. Whilst this design response minimises any adverse impact of the balcony provision we have completed a secondary 'with balcony' analysis which may be found at appendix 3. Additional commentary is also provided in respect of this study,

Internal Daylight Detail

In respect of the Average Daylight Factor calculations we have utilised parameters of 0.5 for room reflectance and 0.68 for window transmittance.

These parameters are drawn directly from the BRE guide and are used as a matter of course when assessing the daylight provision within new-build proposals having 'fairly light-coloured' finishes and double glazing. The analysis completed demonstrates that the proposal provides a good level of internal amenity, based on the parameters specifically set out in the BRE document, by which such new-build units are to be assessed.

Having analysed the scheme for daylight internally it can be seen that only 2, single aspect, rooms (out of a total in excess of 750) will fall short of the target ADF levels detailed within the BRE Guide. The remaining rooms achieve ADF levels which can be considered fully supportable. Those rooms experiencing shortfalls are confined to R8/40 and R25/40. The location of these ground floor LKD rooms, within Building C, can be seen coloured red within the drawings, which are enclosed at Appendix 1.

As can be seen these rooms achieve 1.59% and 1.80% ADF respectively. Whilst this falls short of the 2% ADF target for a Kitchen, within the BRE Guide, this level of daylight illumination would only be relevant for the kitchen elements of the rooms. With the majority of the space as a living room being above target levels (1.5%) for this use. As a modern L/K/D layout is inherently deeper than a standalone living room this application of the 'Living Room' target level is considered appropriate.

When the 'with balcony' position is considered there is a modest reduction in internal daylighting within the units however the vast majority of rooms continue to enjoy excellent daylight levels in excess of the BRE target values. Based on the 1.5% target for Living Room use being applied to the L/K/D's only 7 rooms, of more than 750 tested, fall below this level with no rooms being reduced to below 1.0% ADF. In addition the main living space closest to the window will enjoy significantly higher spot daylight factors exceeding 1.5%. Overall the internal daylight provision, even 'with balconies' is over 99% compliant and is considered excellent for a scheme of this nature.



Internal Sunlight Detail

Of all rooms with South facing windows only a single living room (or LKD to be precise) fall short of the BRE Guide targets. Whilst other rooms did have shortfalls the BRE Guide states that Living Rooms are most important and should be analysed in terms of sunlight whereas Bedrooms, Kitchens less important. In accordance with the BRE Guide these other shortfalls should not be considered important and on the basis that sunlight tends to disturb the primary bedroom function (sleep) we consider that only the derogations affecting living rooms should be considered further.

The single Living Room shortfall affects room R19/11, a First Floor LKD to Building A. Room R19/11 greatly exceeds the room total requirements for APSH but falls short of the Winter requirements with only 3% APSH compared with the target 5% APSH. However, this is probably because one of the room windows faces outside 90 degrees of due South and therefore does not contribute during the winter months when the sun is at its lowest angle in the sky. In any event this deviation of only 2% APSH is not considered material in the context of the wider scheme.

Having considered the above (very minor) derogation in terms of sunlight, when compared against the target levels quoted within the BRE Guide and the suggestion for a flexible approach in built up areas, together with all of the factors outlined above, we are satisfied that that these few real derogations can be supported.

Furthermore, the above derogations must be taken into context in relation to in excess of 1000 windows to the scheme in total.

When the 'with balconies' position is considered there is a greater effect on direct sunlight to the windows due to the balcony impeding the direct sky view at the window centre. Levels of direct sunlight 'to the window' drop however there would be direct sunlighting to the balcony amenity spaces and reflected light within the rooms. This is not unusual in modern flatted developments and indeed is a function of the provision of private amenity space. Overall good diffuse daylighting within the room is the key indicator of internal amenity for the purposes of visual discrimination. Our internal daylighting results show that the scheme wholly achieves good internal daylighting with the enjoyment of sunlight to both the private and public amenity areas.

Overshadowing

The BRE Guide provides target levels of overshadowing limits in relation to gardens and amenity areas, for existing spaces to adjacent properties, whilst providing an indication of significance, based on amenity, as follows:



"It is recommended that for it to appear adequately sunlit at least half of the garden or amenity area should receive at least 2 hours sunlight on 21 March. If as a result of a development a garden or amenity area does not meet the above, and the area which can receive 2 hours of sun on 21 March is less than 0.8 times its former value, then the loss of sunlight is likely to be noticeable. If a detailed calculation cannot be carried out it is recommended that the centre of the area should receive at least 2 hours of sunlight on 21 March."

For the purpose of this Report, overshadowing has been assessed on 21st March following the recommendations set out in the BRE Guide. Sun-path tracking allows the likely shadows cast to be created at hourly intervals throughout the day when the sun is above 10° in elevation. We have also analysed those areas of amenity space which will be in permanent shadow throughout the day.

The site layout maximises sunlight penetration to the amenity spaces due to the north / south orientation of the blocks. Alternative arrangements of units aligned on a west to east axis would lead to significant overshadowing to the north of the units adversely affecting the sunlight availability to amenity spaces.

The results of our analysis can be found at Appendix 4. We have completed both a 'transient shading study' illustrating the shading position throughout the year. Further to queries raised in respect of our February 2014 report we have also completed a detailed 'sunlight availability' assessment illustrating those areas of the amenity space which receive more than 2 hours of sunlight on the March 21st assessment day. This study, also at appendix 4, illustrates that the vast majority of the amenity space around the site enjoys more than 2 hours of sunlight. As this accounts for well in excess of 50% of the amenity area sunlight levels to the space are fully compliant with the BRE targets.

6.0 CONCLUSION

We have undertaken a daylight, sunlight and overshadowing assessments in respect of the proposed development. Subject to the limitations, assumptions and clarifications within this Report our analysis demonstrates compliance with the BRE Guide and Planning Policy.

In addition this report expands upon our February 2013 report to address queries raised on our earlier report and provide additional detailed analysis.

Unless commented upon within the main body of this Report, this scheme is fully compliant with the BRE Guide and Policy. Where a minor amount of technical derogations do occur in relation to the aspirations



of the BRE Guide, for reasons more fully details above, we consider these derogations, overall, to be acceptable.

Overall the scheme has minimal impact upon neighbouring residential property and provides good levels of amenity both within the proposed units and to both public and private amenity space. As a result the scheme is considered to be in-line with the BRE targets and policy DM DC 5 of the London Borough of Richmond Development Management Plan.

I trust the above is useful, please do not hesitate to contact me should you have any further queries.

For and on behalf of Savills Commercial Limited

Craig Robinson
Director



APPENDIX 1
Scheme Drawings



SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model
 Teddington Riverside_Jiteration_ (1) and (2).
 A15.skp
 Proposed scheme dated 12/12/13:
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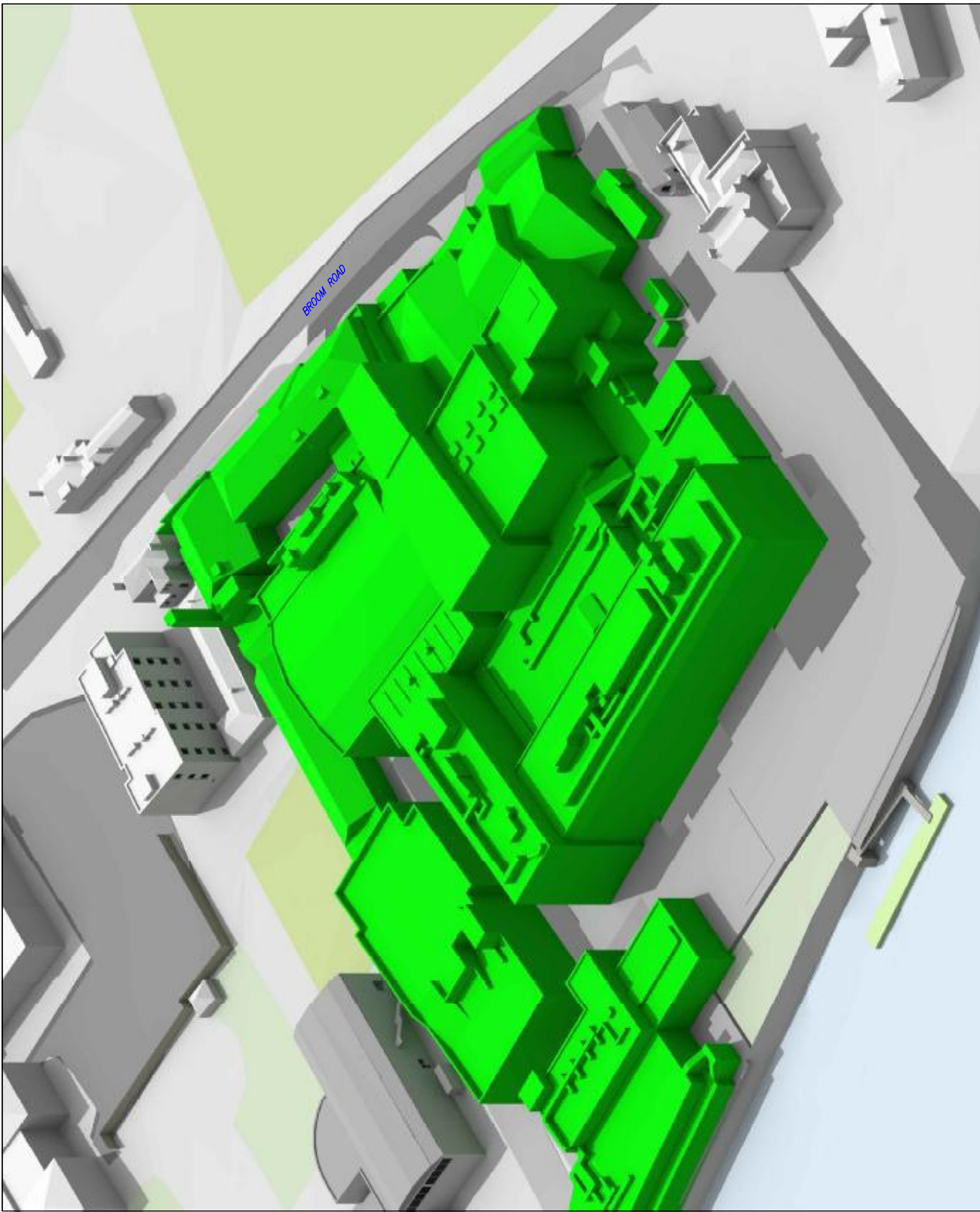


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Project		TEDDINGTON RIVERSIDE LONDON TW11	
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Date	Scale	JAN 14 -	
Drawn by	Checked by	CT	
Drawing No.	SAT195/30A		
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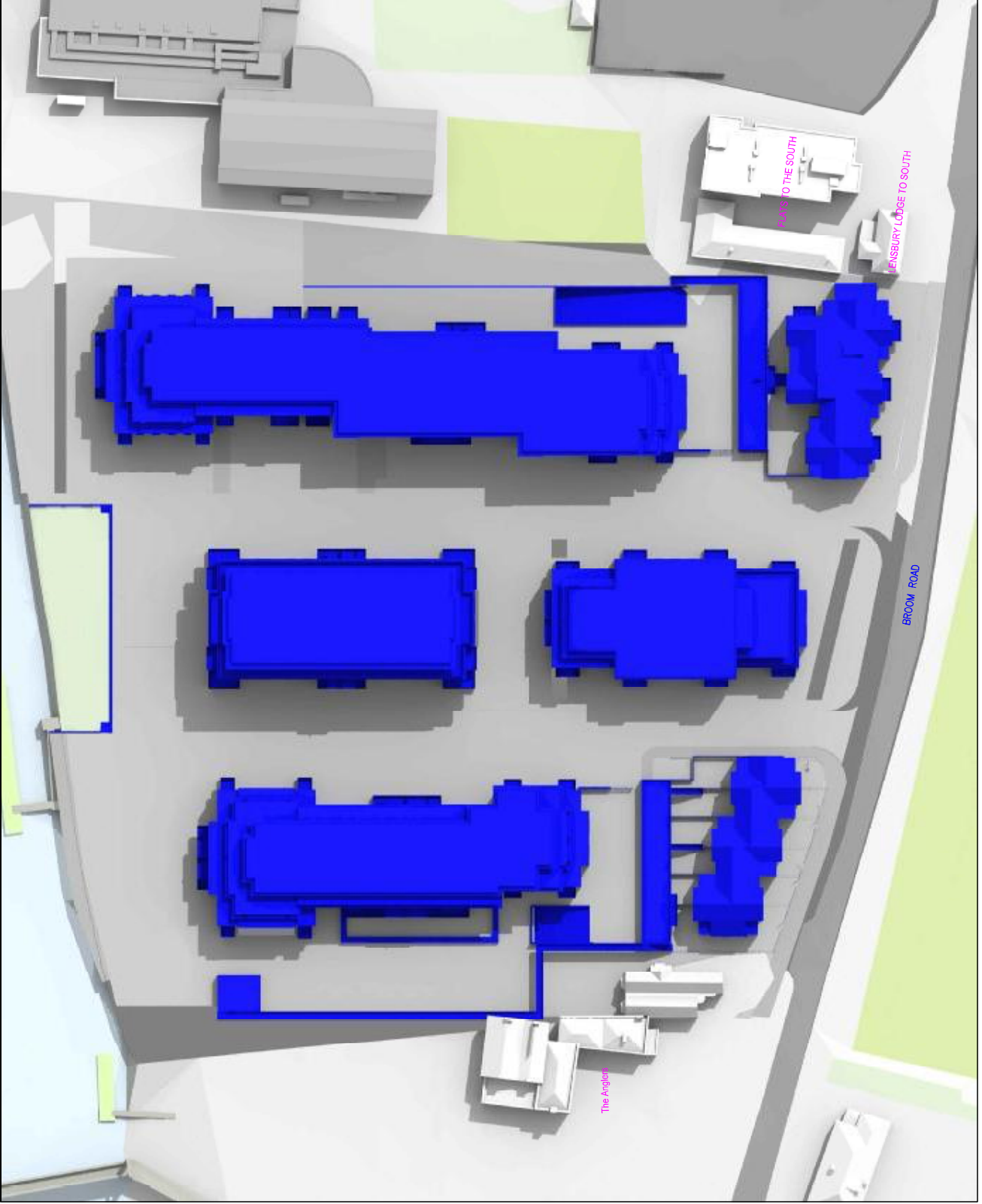
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 Proposed scheme dated 12/12/13;
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Drawing
 3D VIEW
 EXISTING DEVELOPMENT

Date	14 JAN 14	Scale	
Drawn by	CT	Checked by	
Drawing No.	SA109932A	Rev.	001



SOURCES:
 IP BENNETT
 Plans, Elevations and Site Model
 Teddington Riverside Iteration _ (1) and (2).
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 Proposed scheme dated 12/12/13:
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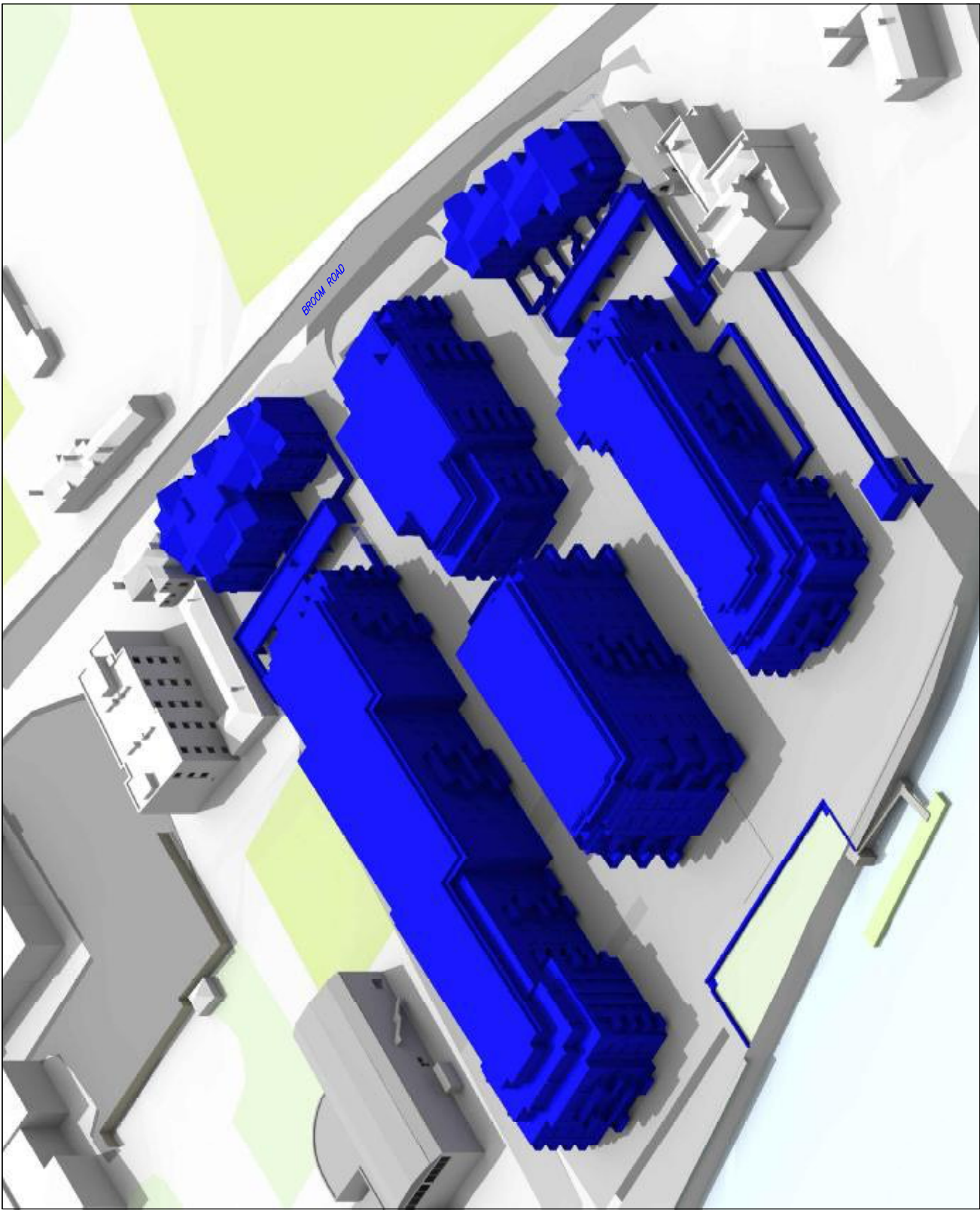
Project
 TEDDINGTON RIVERSIDE
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Drawn
 PLAN VIEW
 PROPOSED SCHEME DATED 12/12/13

Date JAN 14
Scale -

Drawn by CT
Checked by

Drawn No. SAT189337A
Rev. 001



SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model
 Teddington Riverside_Iteration_ (1) and (2):
 A15.rvt
 Proposed scheme dated 12/12/13:
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Drawing
 3D VIEW
 PROPOSED SCHEME DATED 12/12/13

Date	JAN 14	Scale	
Drawn by	CT	Checked by	
Drawing No.	SA189933A	Rev.	
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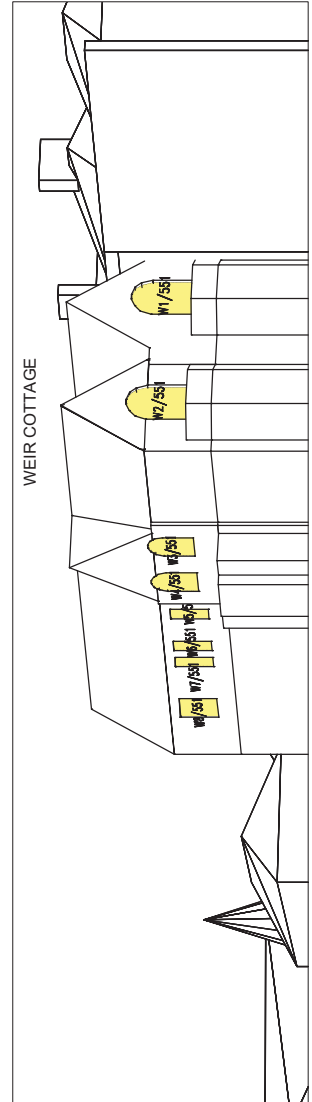
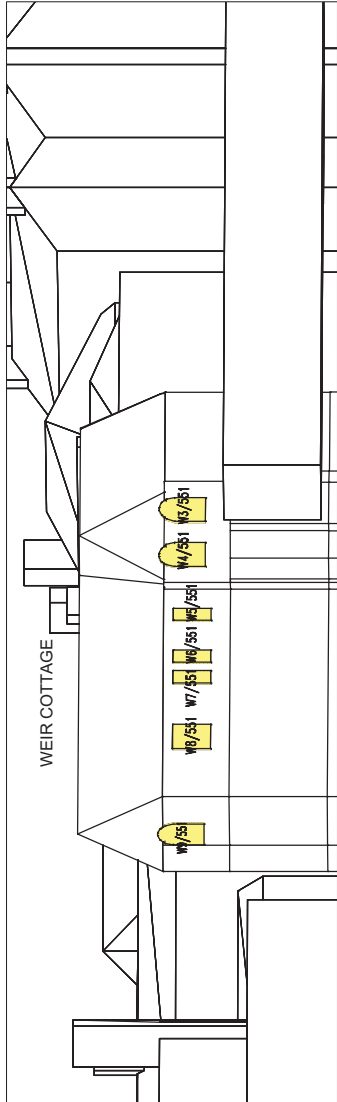
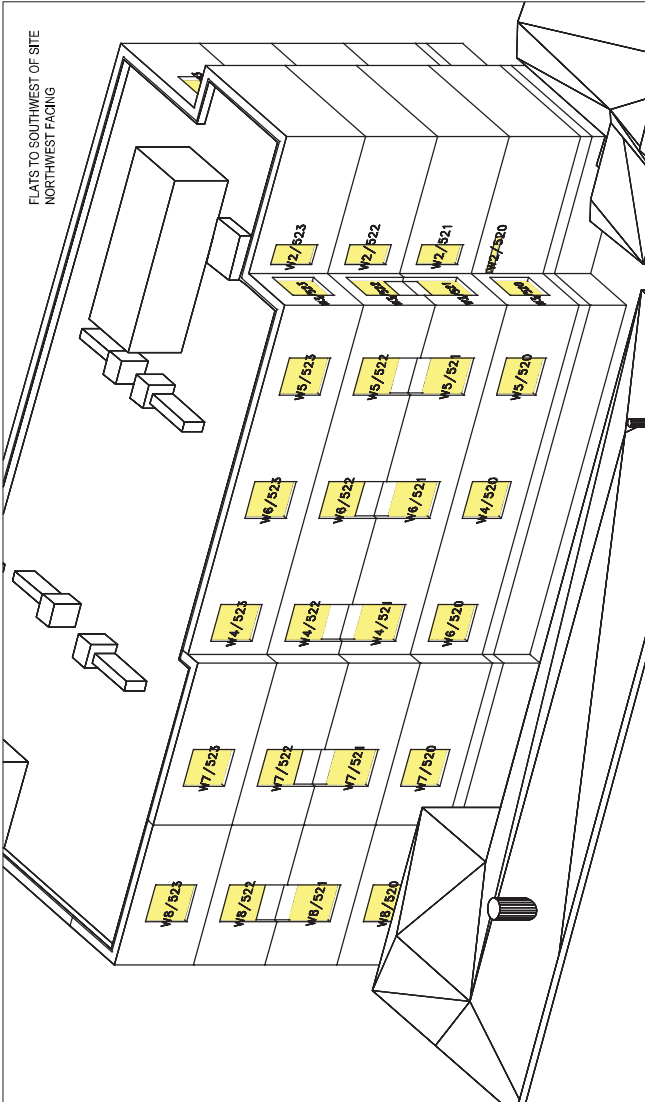
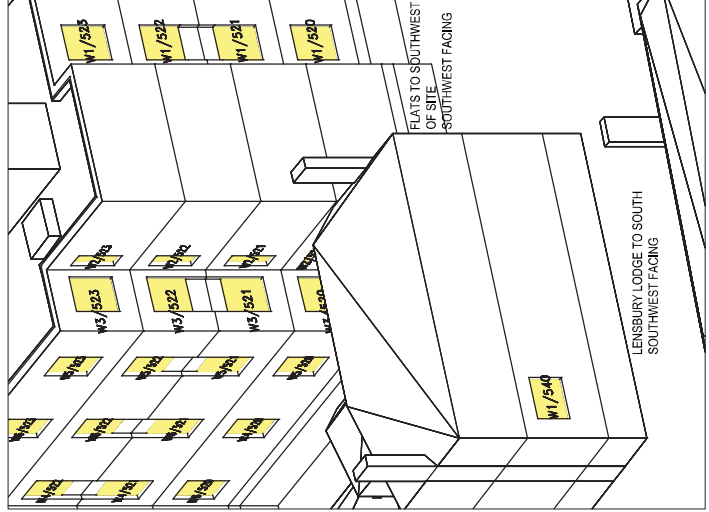
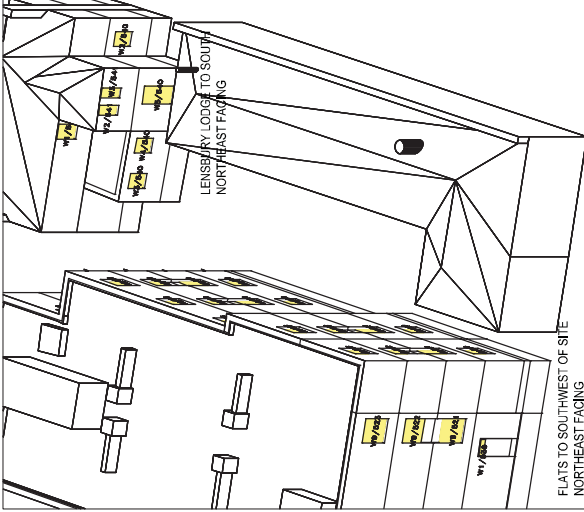
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 Plans, Elevations and Site Model:
 Teddington Riverside_Jeraton_ (1) and (2):
 A15.skp
 Proposed scheme dated 12/12/13:
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Project	TEDDINGTON RIVERSIDE LONDON TW11
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APPENDIX 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		Window		Room	
	Window Use	Room Use	Existing Winter APSH	Proposed Winter APSH	Existing Winter APSH	Proposed Winter APSH	Existing Winter APSH	Proposed Winter APSH
			Annual %Loss	Annual %Loss	Annual %Loss	Annual %Loss	Annual %Loss	Annual %Loss
Flats to South of site								
R1/520	W1/520		25	67	25	67	25	67
R4/520	W3/520		5	27	5	27	5	27
R4/520	W5/520		1	21	1	19	5	27
R1/521	W1/521		27	69	27	69	27	69
R5/521	W3/521		6	32	6	29	6	29
R5/521	W5/521		4	27	4	24	7	33
R1/522	W1/522		27	69	27	69	27	69
R5/522	W3/522		9	39	9	38	9	39
R5/522	W5/522		6	31	6	29	9	39
R1/523	W1/523		27	69	27	69	27	69
R5/523	W3/523		9	46	9	46	9	46
R5/523	W5/523		6	31	6	31	9	46
Lensbury Lodge to South								
R1/540	W1/540		25	75	25	75	25	75
R1/540	W2/540		0	0	0	0	25	75



APPENDIX 3

Internal Daylight/ Sunlight Results

SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside_Meritor_1 (1) and (2);
 A15.skp
 Proposed scheme dated 12/12/13;
 A998:100898-107.dwg



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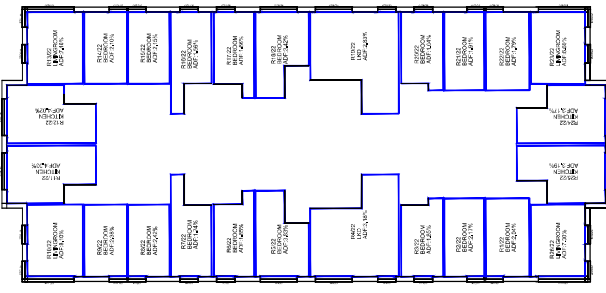
Project Management, London
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 Fax: +44 (0)20 7461 1333
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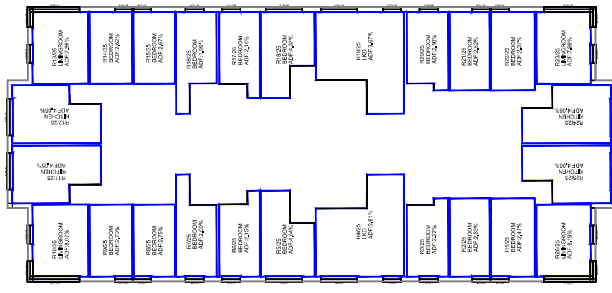
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 Proposed Scheme dated 12/12/13;
 Without Balconies

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Drawn by	DR	Checked by	
Drawing No.	SA185/23		
No.	001		

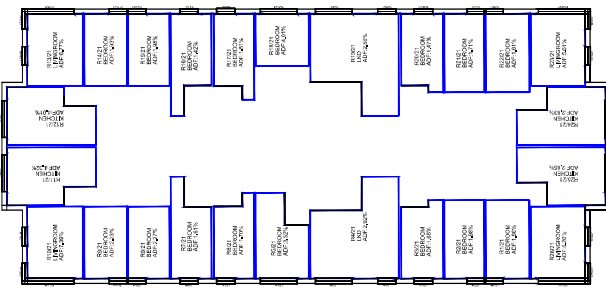
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 SECOND FLOOR



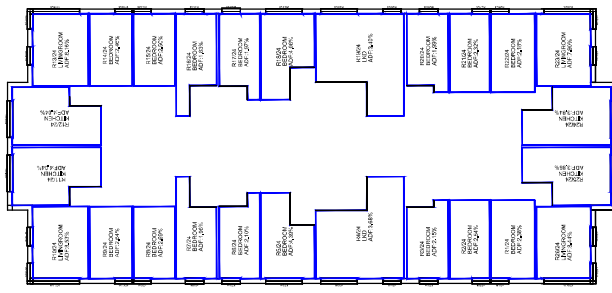
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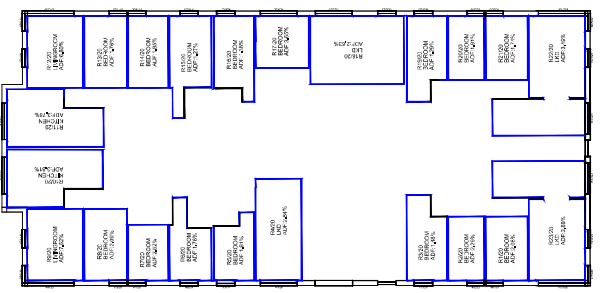
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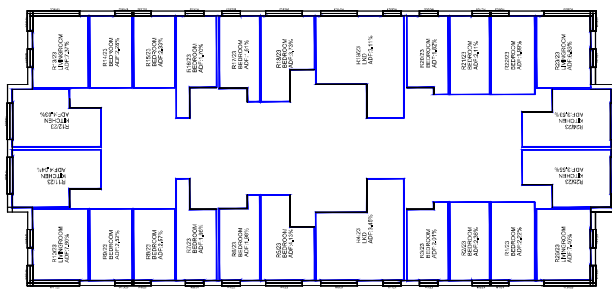
BUILDING B
 FOURTH FLOOR



BUILDING B
 GROUND FLOOR



BUILDING B
 THIRD FLOOR



SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside_Meritor_ (1) and (2);
 A15.skp
 Proposed scheme dated 12/12/13;
 A999100099-107.dwg



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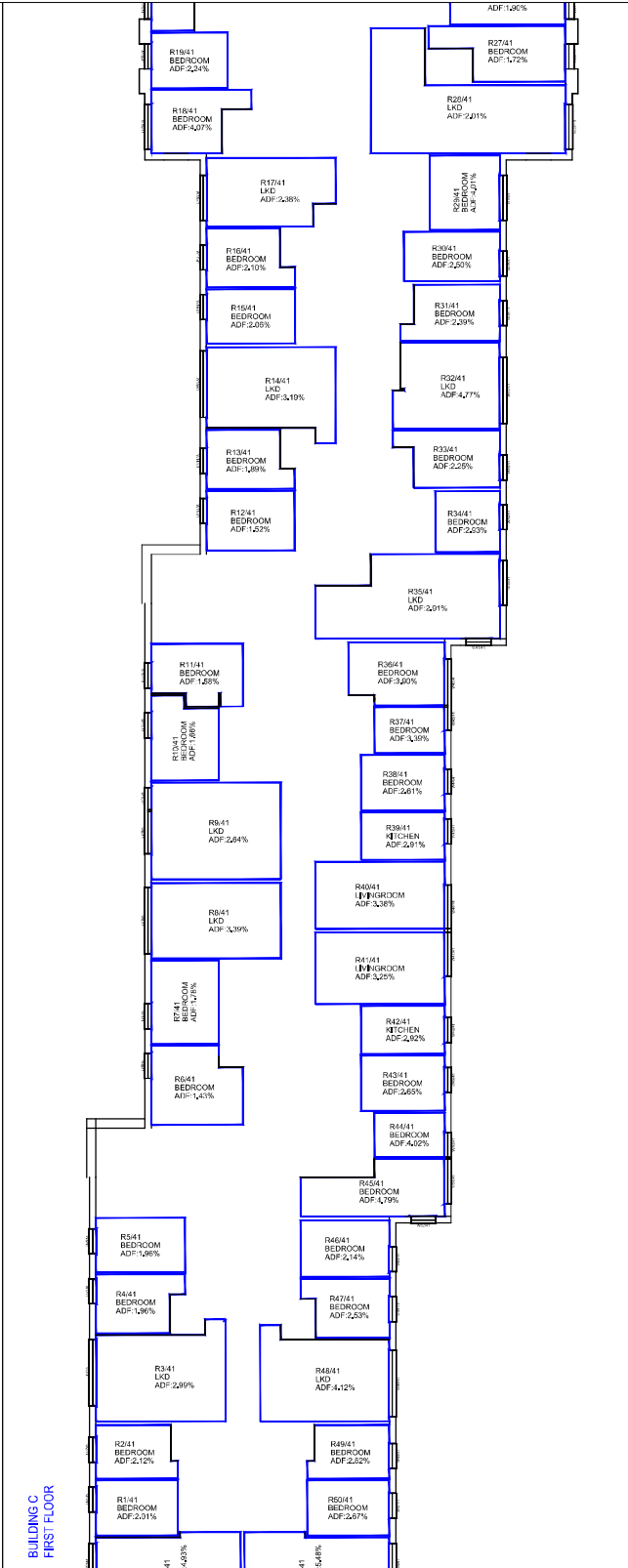
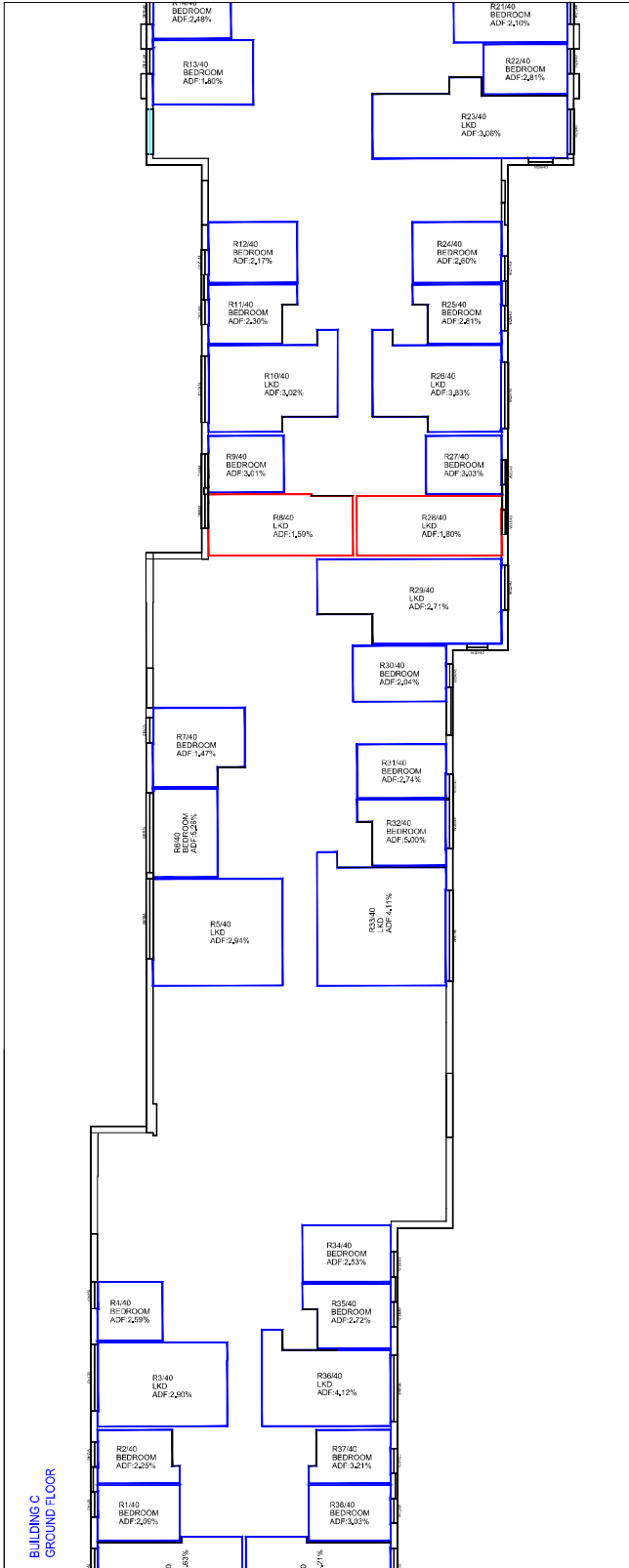
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 LONDON TW11

Drawn
 INTERNAL ADF RESULTS
 Proposed Scheme dated 12/12/13;
 Without Balconies

Scale 1:250
 Date DEC 13
 Drawn by DR

Checked by
 Drawn No. SA1850/24
 No. 001



SOURCES:
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 Plans, Elevations and Site Model:
 Teddington Riverside_Meritor_ (1) and (2);
 A15.skp
 Proposed scheme dated 12/12/13;
 A989: D00899-107.dwg



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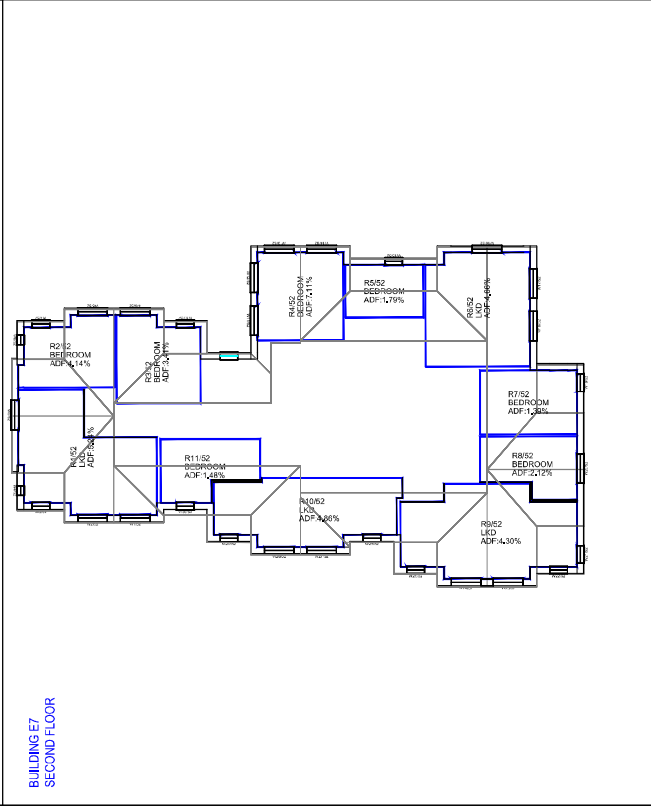
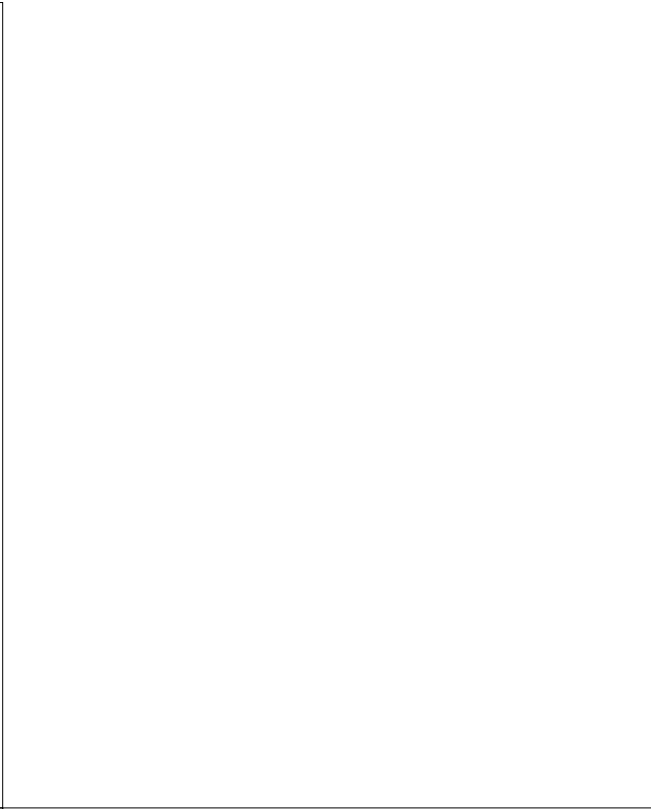
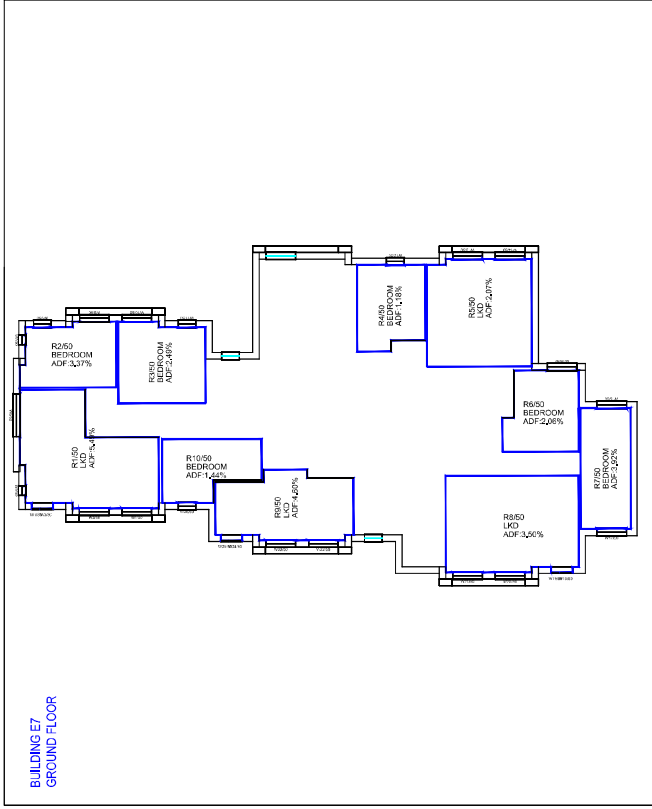
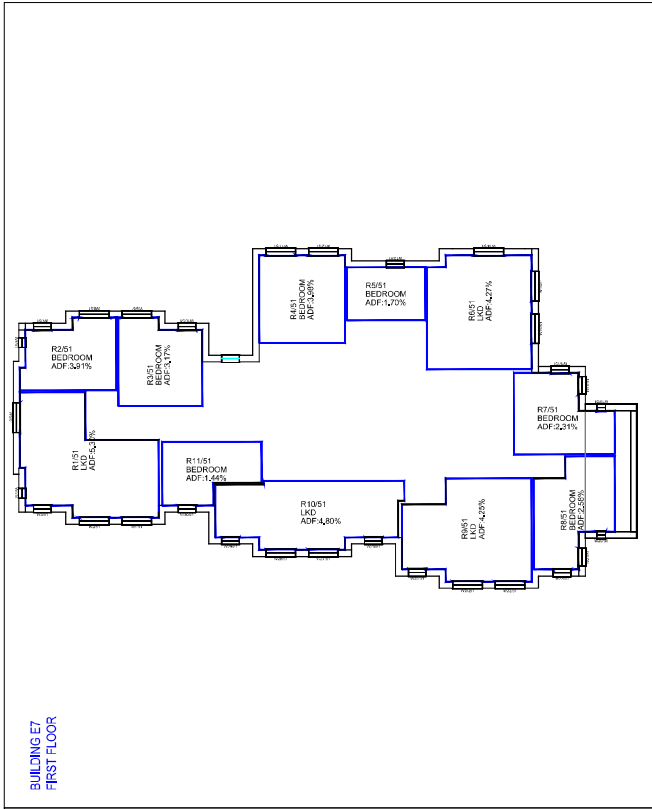
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Drawn
 INTERNAL ADF RESULTS
 Proposed Scheme dated 12/12/13;
 Without Balconies

Scale 1:250
 Date DEC 13
 Drawn by DR
 Checked by
 Drawn No. SA185/20

Rev
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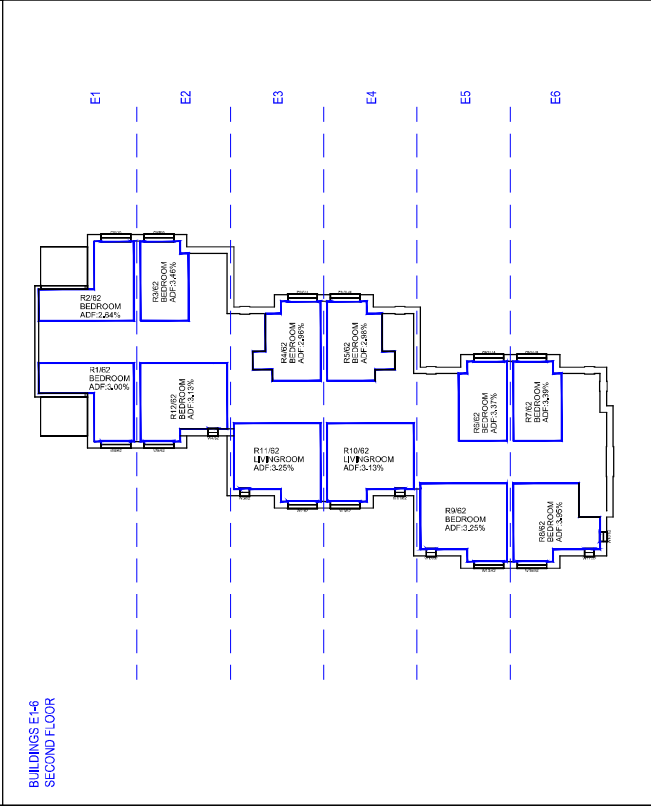
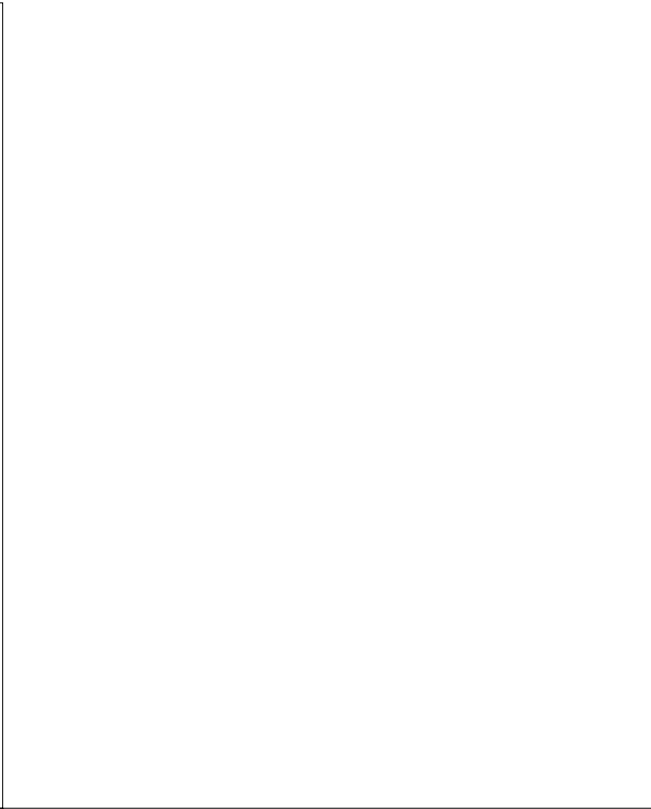
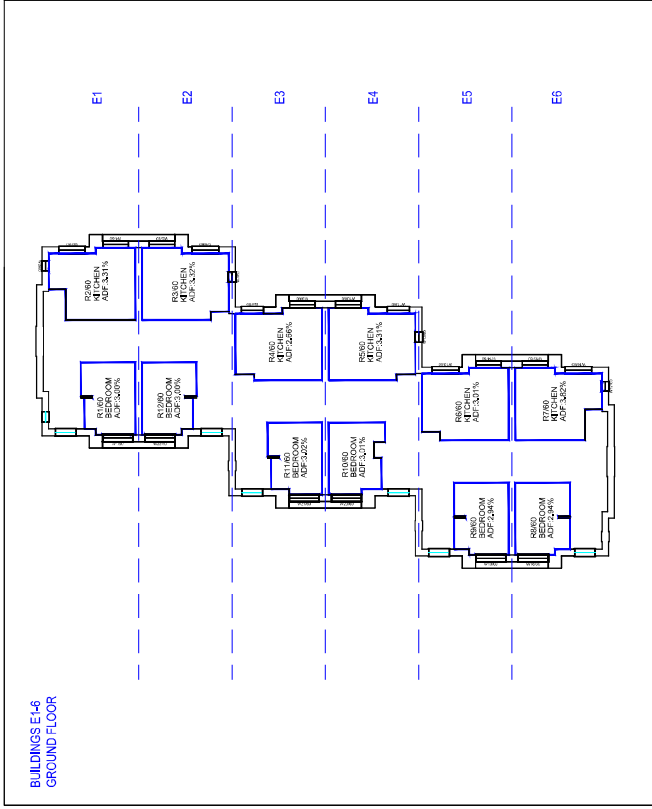
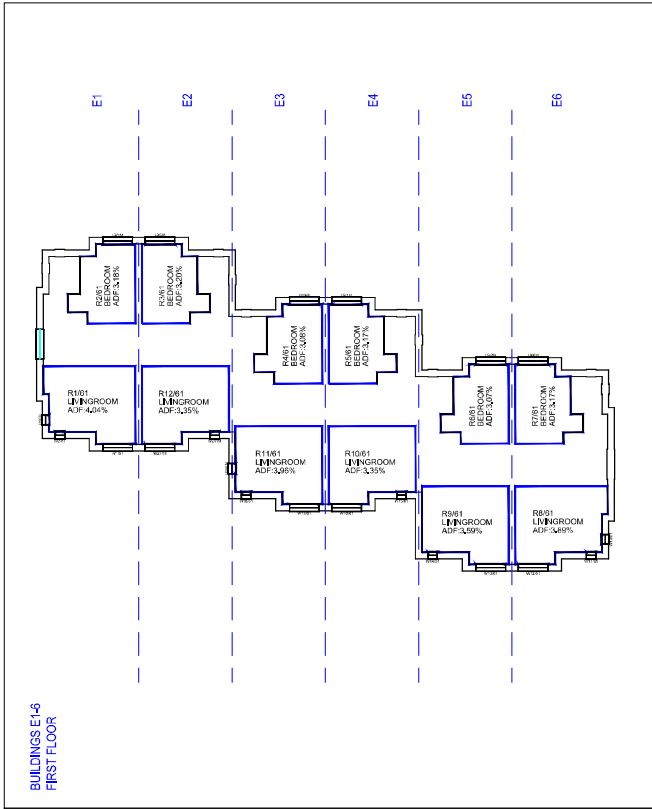


SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside Iteration 1 (1) and (2);
 A15.skp
 Proposed scheme dated 12/12/13;
 A989100099-107.dwg



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Drawing INTERNAL ADF RESULTS Proposed Scheme dated 12/12/13; Without Balconies	
Date DEC 13	Scale 1:250
Drawn by DR	Checked by
Drawing No. SA189/28	Rev. 001



SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside_Meritor_ (1) and (2);
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 Proposed scheme dated 12/12/13;
 A999:100899-107.dwg



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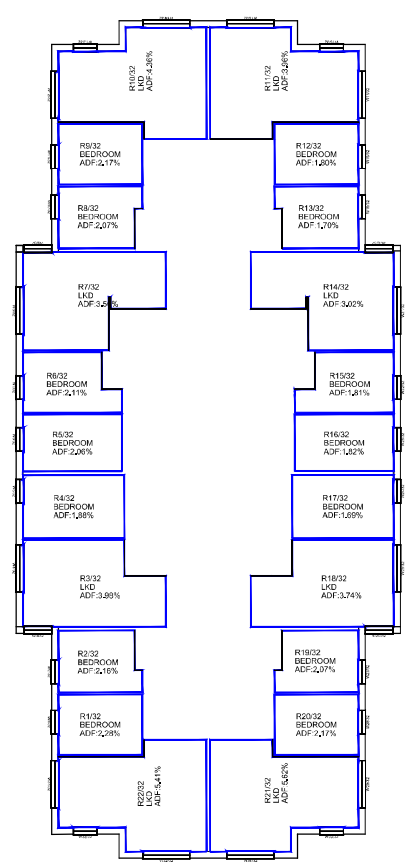
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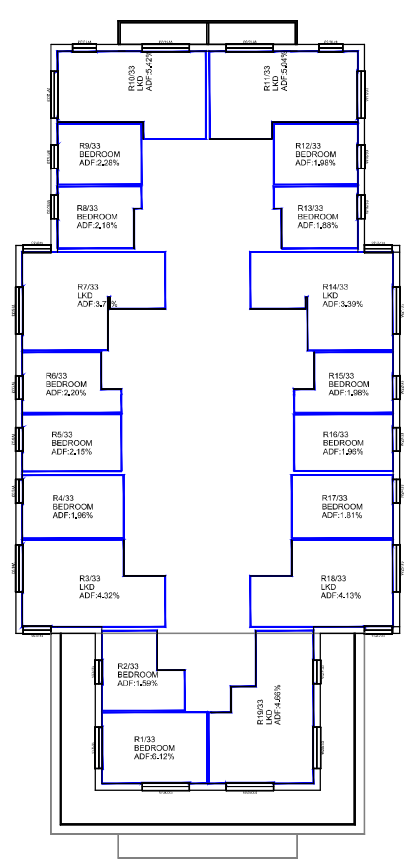
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 Proposed Scheme dated 12/12/13;
 Without Balconies

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Drawn by	DR	Checked by	
Drawn No.	SA1850/27		
Rev.			001

BUILDING D
 SECOND FLOOR



BUILDING D
 THIRD FLOOR



SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside_Meritor_ (1) and (2);
 A15.skp
 Proposed scheme dated 12/12/13;
 A999:100899-107.dwg



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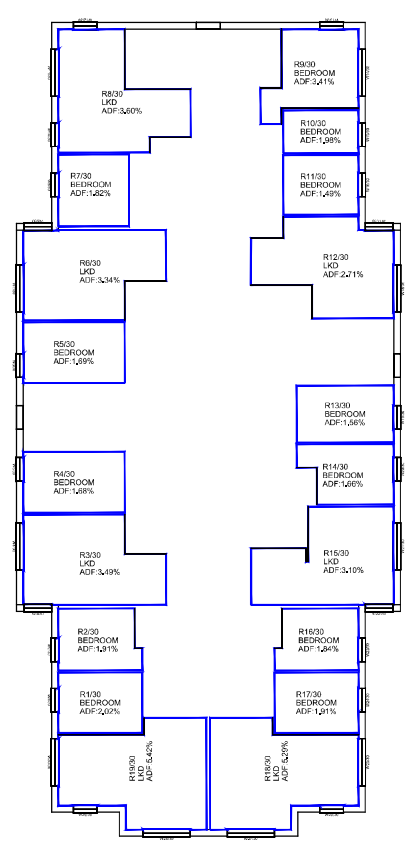
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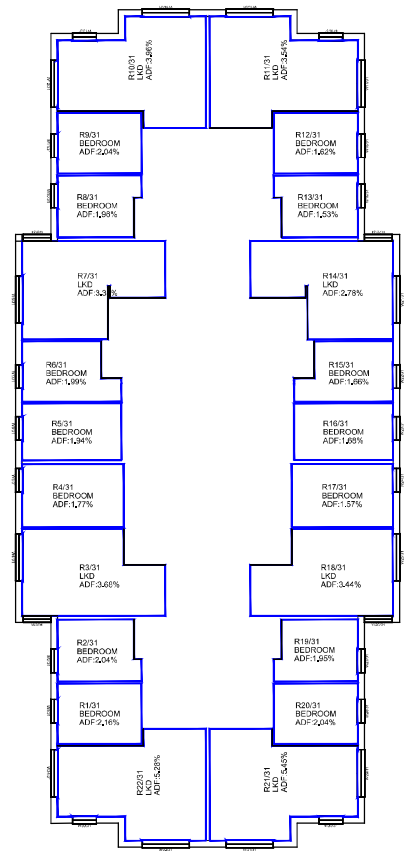
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 Proposed Scheme dated 12/12/13.
 Without Balconies

Scale	1:250
Date	DEC 13
Drawn by	DR
Checked by	
Drawn No.	SA189/26
Rev.	001

BUILDING D
 GROUND FLOOR



BUILDING D
 FIRST FLOOR



SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside_Meritor_ (1) and (2);
 A15.skp
 Proposed scheme dated 12/12/13;
 A999:100899-07.dwg



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 PLAN

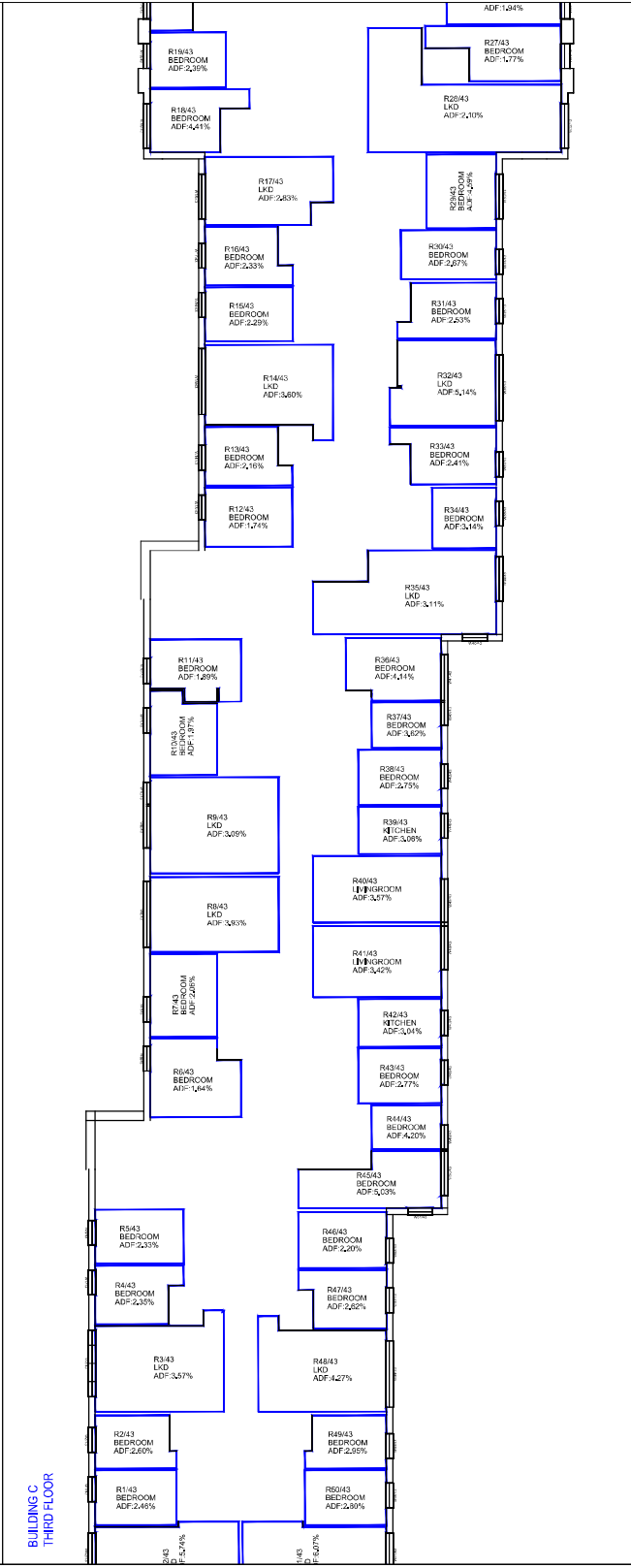
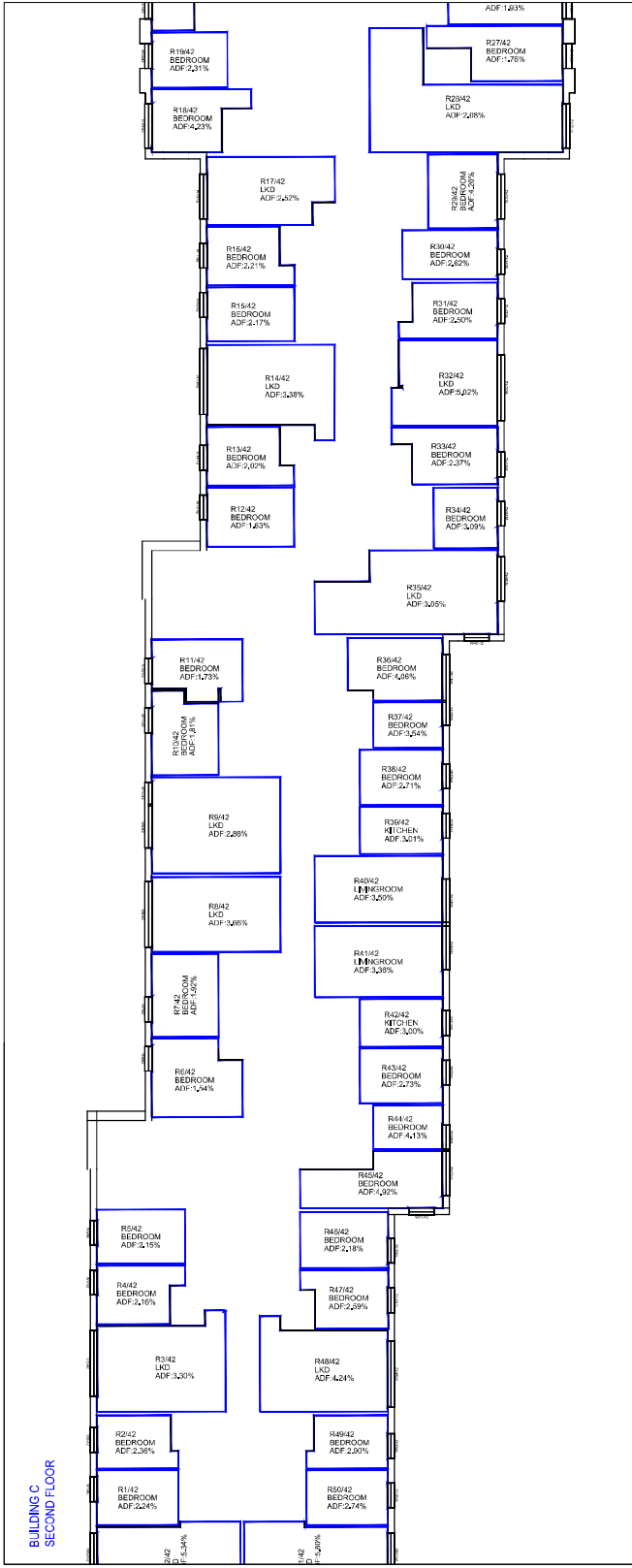
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 LONDON TW11**

Drawn
INTERNAL ADF RESULTS
 Proposed Scheme dated 12/12/13;
 Without Balconies

Date	DEC 13	Scale	1:250
Drawn by	DR	Checked by	
Drawn No.	SA189/25		
			001



SOURCES:
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 Plans, Elevations and Site Model:
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 Proposed scheme dated 12/12/13:
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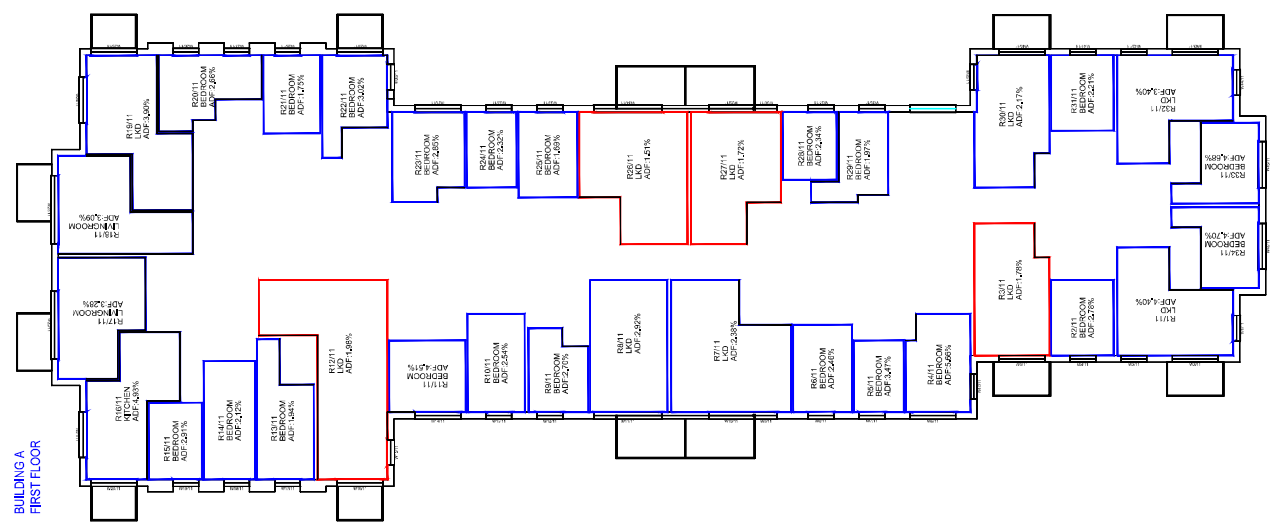
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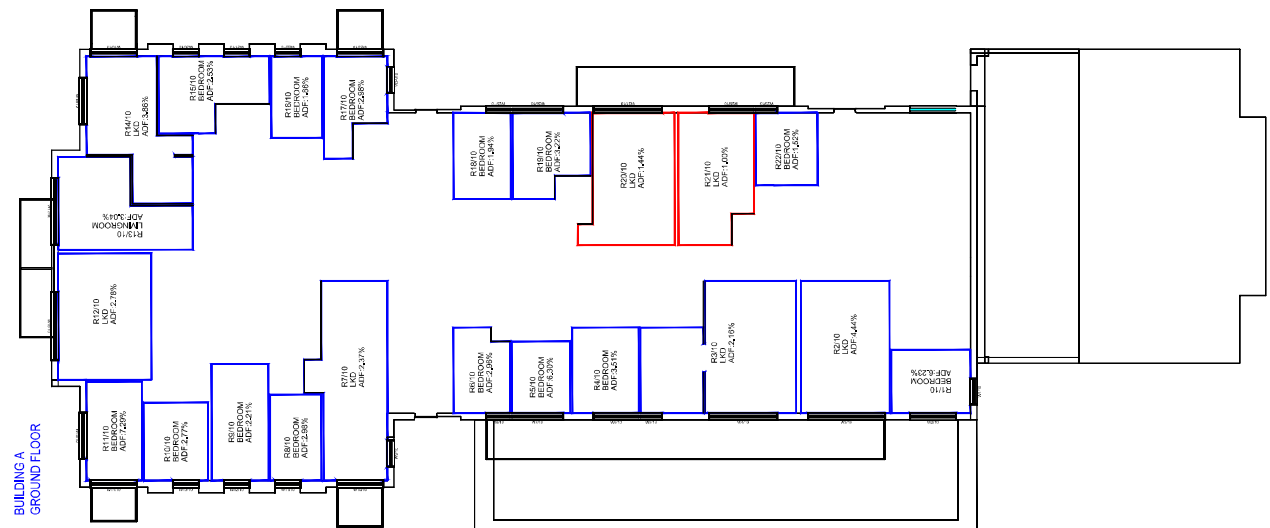
Internals ADF RESULTS
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Project No.	SAT189/14		
Rev.	002		

BUILDING A
 SECOND FLOOR



BUILDING A
 FIRST FLOOR



BUILDING A
 GROUND FLOOR

SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside Iteration _ (1) and (2);
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 AS991/00099-107.dwg



KEY
 F1
 F2
 F3
 F4
 F5

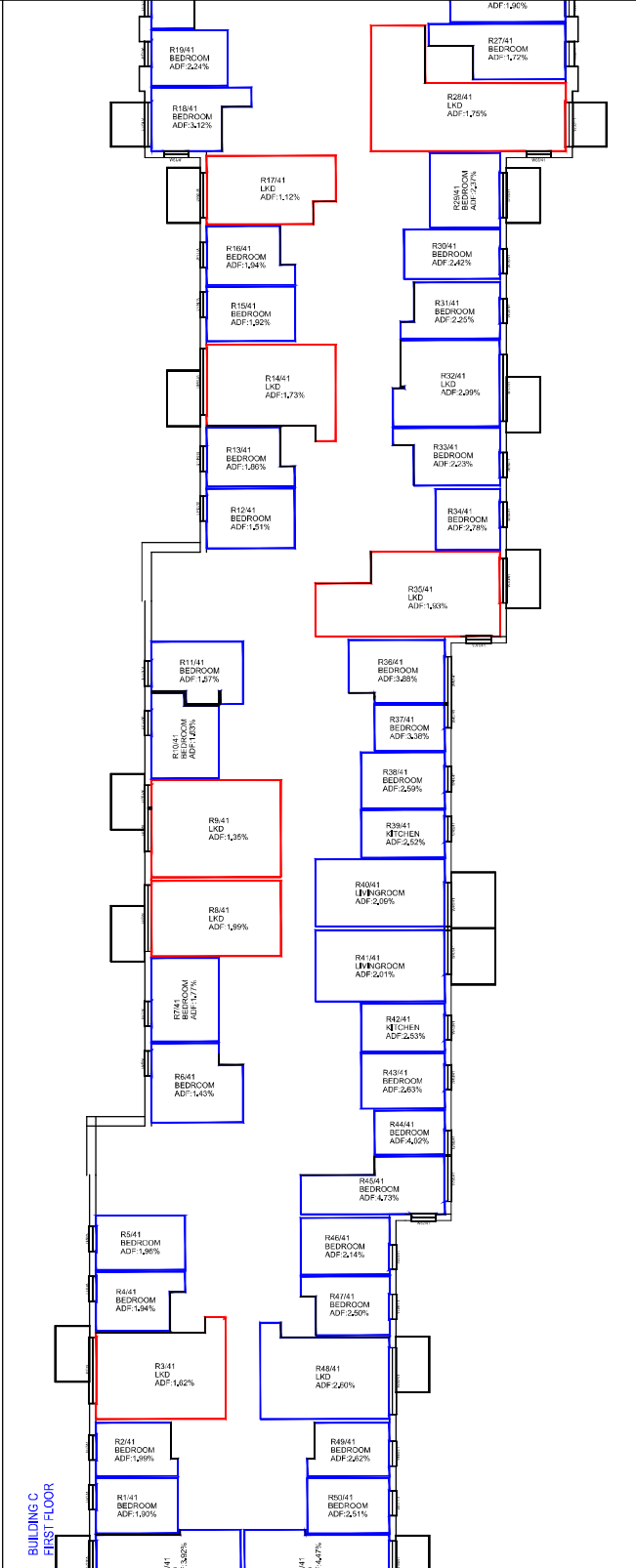
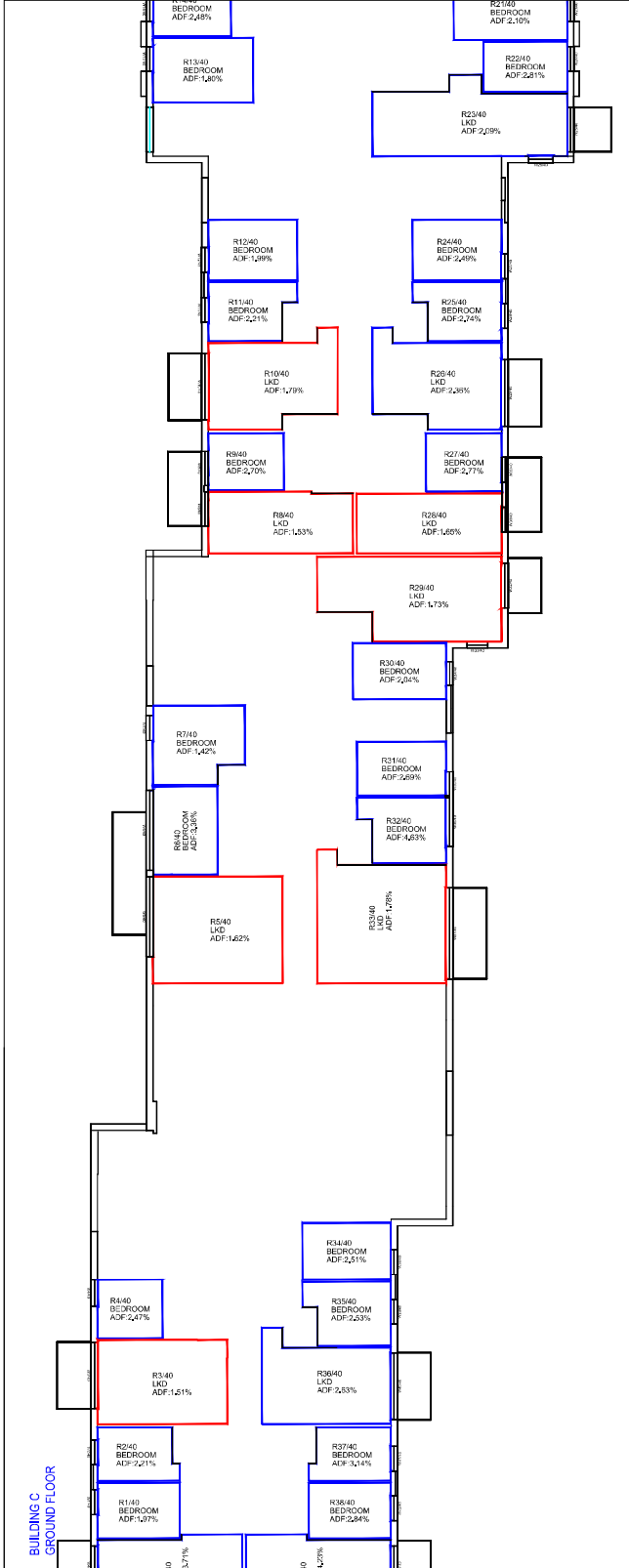
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 DESIGN SERVICES (L.L.D.) (REGISTERED)
 PROJECT MANAGEMENT / COST CONSULTANCY

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Project	TEDDINGTON RIVERSIDE LONDON TW11		
Scale	1:250	Drawn by	DR
Date	JUN 14	Checked by	
Drawn No.	SAT.89/16		
Rev.	002		

INTERNAL ADF RESULTS
 Proposed Scheme dated 12/12/13



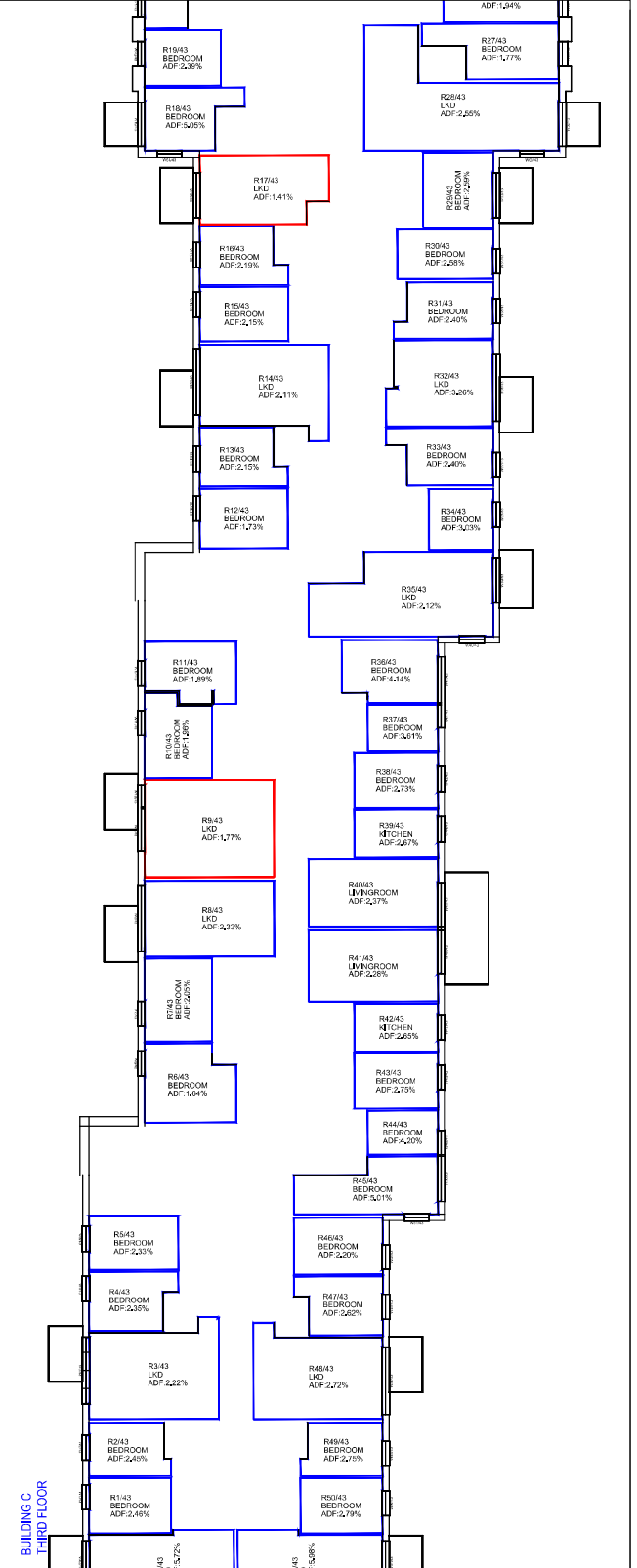
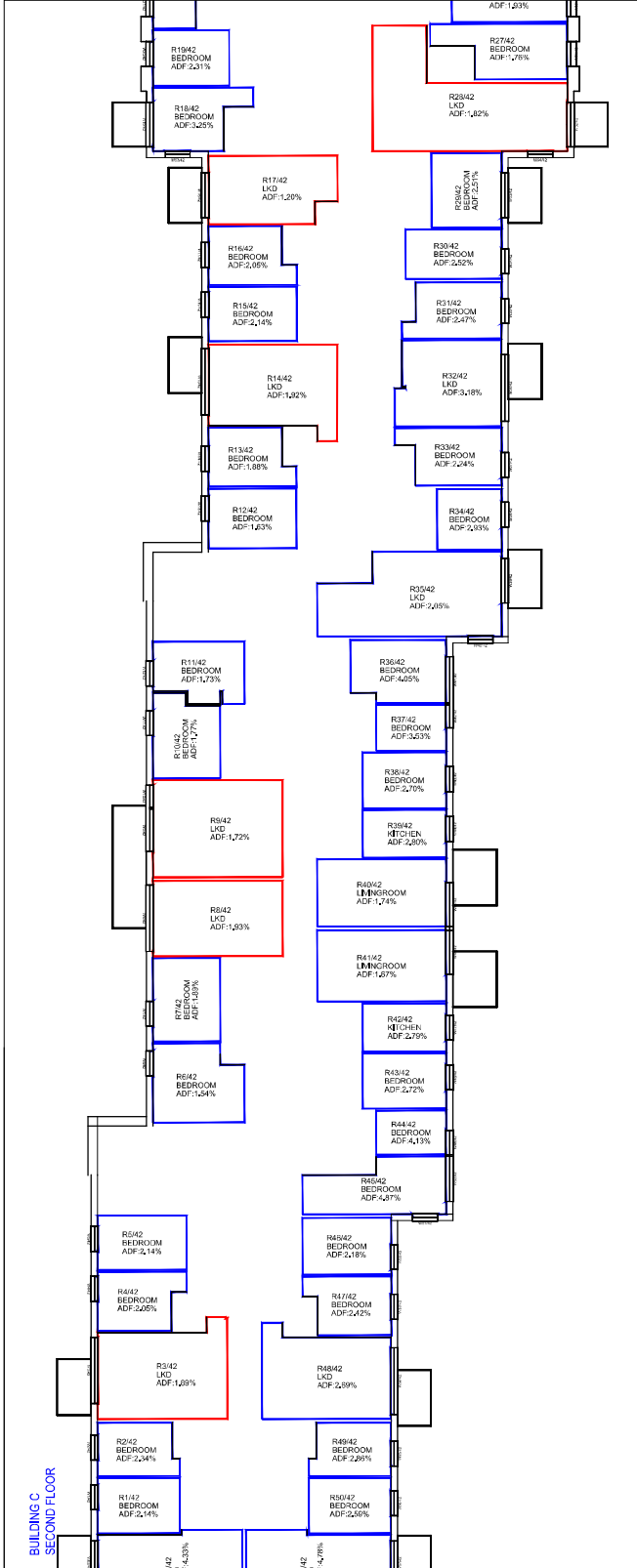
SOURCES:
 TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside Iteration_ (1) and (2):
 A15.s4p
 Proposed scheme dated 12/12/13:
 AS99100099-107.dwg



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Project		TEDDINGTON RIVERSIDE LONDON TW11	
Drawing		INTERNAL ADF RESULTS Proposed Scheme dated 12/12/13	
Date	Scale	Drawn by	Rev.
JUN 14	1:250	DR	002
Drawn by	Checked by	Title No. SAT/8917	



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

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
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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	3	21
R9/43	W10/43	LKD	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	0	8
R20/43	W22/43	BEDROOM	0	8		
R21/43	W23/43	KITCHEN	1	20	1	25
R21/43	W24/43	KITCHEN	0	5		
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	16	52
R24/43	W28/43	KITCHEN	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

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
Building A					
R1/10	BEDROOM	W1/10	14.28	1.47	
R1/10	BEDROOM	W2/10	33.73	4.77	6.23
R2/10	LKD	W3/10	33.33	4.44	4.44
R3/10	LKD	W4/10	19.60	1.72	
R3/10	LKD	W5/10	15.91	0.44	2.16
R4/10	BEDROOM	W6/10	23.42	3.51	3.51
R5/10	BEDROOM	W7/10	33.15	6.30	6.30
R6/10	BEDROOM	W8/10	32.94	2.96	2.96
R7/10	LKD	W9/10	19.20	0.84	
R7/10	LKD	W10/10	22.90	1.54	2.37
R8/10	BEDROOM	W11/10	33.33	2.98	2.98
R9/10	BEDROOM	W12/10	34.42	2.21	2.21
R10/10	BEDROOM	W13/10	33.70	2.77	2.77
R11/10	BEDROOM	W14/10	23.82	2.92	
R11/10	BEDROOM	W15/10	36.06	4.38	7.29
R12/10	LKD	W16/10	24.59	2.78	2.78
R13/10	LIVINGROOM	W17/10	24.65	3.04	3.04
R14/10	LKD	W18/10	35.92	2.66	
R14/10	LKD	W19/10	12.57	1.21	3.86
R15/10	BEDROOM	W20/10	20.19	1.30	
R15/10	BEDROOM	W21/10	19.88	1.23	2.53
R16/10	BEDROOM	W22/10	17.81	1.86	1.86
R17/10	BEDROOM	W23/10	7.60	1.58	
R17/10	BEDROOM	W24/10	14.36	1.40	2.98
R18/10	BEDROOM	W25/10	18.54	1.94	1.94
R19/10	BEDROOM	W26/10	18.63	3.22	3.22
R20/10	LKD	W27/10	6.67	1.44	1.44
R21/10	LKD	W28/10	5.12	1.00	1.00
R22/10	BEDROOM	W29/10	13.43	1.52	1.52

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R1/11	LKD	W1/11	31.58	1.25	
R1/11	LKD	W2/11	20.24	1.81	
R1/11	LKD	W3/11	32.32	1.34	4.40
R2/11	BEDROOM	W4/11	32.46	2.78	2.78
R3/11	LKD	W5/11	16.51	1.78	1.78
R4/11	BEDROOM	W6/11	36.36	4.53	
R4/11	BEDROOM	W47/11	13.42	1.13	5.66
R5/11	BEDROOM	W7/11	36.23	3.47	3.47
R6/11	BEDROOM	W8/11	32.39	2.46	2.46
R7/11	LKD	W9/11	19.26	0.64	
R7/11	LKD	W10/11	23.57	1.74	2.38
R8/11	LKD	W11/11	21.21	2.92	2.92
R9/11	BEDROOM	W12/11	32.61	2.70	2.70
R10/11	BEDROOM	W13/11	35.52	2.55	2.55
R11/11	BEDROOM	W14/11	30.18	4.51	4.51
R12/11	LKD	W15/11	21.41	0.64	
R12/11	LKD	W16/11	24.86	1.35	1.98
R13/11	BEDROOM	W17/11	35.39	1.94	1.94
R14/11	BEDROOM	W18/11	36.18	2.12	2.12
R15/11	BEDROOM	W19/11	35.49	2.91	2.91
R16/11	KITCHEN	W20/11	25.07	1.98	
R16/11	KITCHEN	W21/11	37.10	2.95	4.93
R17/11	LIVINGROOM	W22/11	25.53	3.28	3.28
R18/11	LIVINGROOM	W23/11	25.51	3.09	3.09
R19/11	LKD	W24/11	36.99	2.67	
R19/11	LKD	W25/11	13.71	1.23	3.90
R20/11	BEDROOM	W26/11	22.66	1.36	
R20/11	BEDROOM	W27/11	22.24	1.30	2.66
R21/11	BEDROOM	W28/11	20.56	1.75	1.75
R22/11	BEDROOM	W29/11	8.77	1.70	
R22/11	BEDROOM	W30/11	16.83	1.33	3.02

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R23/11	BEDROOM	W31/11	18.07	2.85	2.85
R24/11	BEDROOM	W32/11	22.09	2.32	2.32
R25/11	BEDROOM	W33/11	19.20	1.69	1.69
R26/11	LKD	W34/11	7.88	1.51	1.51
R27/11	LKD	W35/11	11.25	1.34	
R27/11	LKD	W36/11	6.88	0.39	1.72
R28/11	BEDROOM	W37/11	20.99	2.34	2.34
R29/11	BEDROOM	W38/11	23.89	1.97	1.97
R30/11	LKD	W39/11	16.30	0.92	
R30/11	LKD	W40/11	11.07	1.24	2.17
R31/11	BEDROOM	W41/11	24.10	2.21	2.21
R32/11	LKD	W42/11	23.90	1.05	
R32/11	LKD	W43/11	11.61	1.12	
R32/11	LKD	W44/11	30.30	1.23	3.40
R33/11	BEDROOM	W45/11	33.57	4.69	4.69
R34/11	BEDROOM	W46/11	33.71	4.70	4.70
R1/12	LKD	W1/12	34.93	1.34	
R1/12	LKD	W2/12	37.96	3.21	
R1/12	LKD	W3/12	37.21	1.51	6.06
R2/12	BEDROOM	W4/12	36.09	3.08	3.08
R3/12	LKD	W5/12	30.70	3.08	3.08
R4/12	BEDROOM	W6/12	37.96	4.74	
R4/12	BEDROOM	W47/12	21.32	1.49	6.22
R5/12	BEDROOM	W7/12	37.82	3.60	3.60
R6/12	BEDROOM	W8/12	37.14	2.77	2.77
R7/12	LKD	W9/12	30.72	0.96	
R7/12	LKD	W10/12	20.20	1.47	2.44
R8/12	LKD	W11/12	23.25	3.07	3.07
R9/12	BEDROOM	W12/12	37.37	3.00	3.00
R10/12	BEDROOM	W13/12	37.70	2.62	2.62
R11/12	BEDROOM	W14/12	33.74	4.94	4.94

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R12/12	LKD	W15/12	24.50	0.70	
R12/12	LKD	W16/12	39.21	2.09	2.79
R13/12	BEDROOM	W17/12	35.73	1.86	1.86
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	3.07	
R16/12	KITCHEN	W21/12	37.71	2.98	6.04
R17/12	LIVINGROOM	W22/12	39.05	5.35	5.35
R18/12	LIVINGROOM	W23/12	39.01	5.04	5.04
R19/12	LKD	W24/12	37.63	2.69	
R19/12	LKD	W25/12	29.74	2.22	4.91
R20/12	BEDROOM	W26/12	25.01	1.39	
R20/12	BEDROOM	W27/12	24.04	1.34	2.72
R21/12	BEDROOM	W28/12	23.24	1.81	1.81
R22/12	BEDROOM	W29/12	25.59	3.50	
R22/12	BEDROOM	W30/12	19.93	1.46	4.96
R23/12	BEDROOM	W31/12	22.81	3.37	3.37
R24/12	BEDROOM	W32/12	26.23	2.57	2.57
R25/12	BEDROOM	W33/12	25.88	2.08	2.08
R26/12	LKD	W34/12	11.67	1.67	1.67
R27/12	LKD	W35/12	9.21	1.04	
R27/12	LKD	W36/12	19.96	0.88	1.92
R28/12	BEDROOM	W37/12	26.80	2.76	2.76
R29/12	BEDROOM	W38/12	26.87	2.12	2.12
R30/12	LKD	W39/12	18.57	1.00	
R30/12	LKD	W40/12	28.99	2.88	3.88
R31/12	BEDROOM	W41/12	29.45	2.53	2.53
R32/12	LKD	W42/12	29.74	1.23	
R32/12	LKD	W43/12	30.07	2.68	
R32/12	LKD	W44/12	33.55	1.32	5.22
R33/12	BEDROOM	W45/12	36.58	5.03	5.03

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R34/12	BEDROOM	W46/12	36.79	5.06	5.06
Building B					
R1/20	BEDROOM	W1/20	24.36	2.08	2.08
R2/20	BEDROOM	W2/20	24.61	2.29	2.29
R3/20	BEDROOM	W3/20	25.16	1.48	1.48
R4/20	LKD	W4/20	12.26	1.55	1.55
R5/20	BEDROOM	W5/20	25.58	1.90	1.90
R6/20	BEDROOM	W6/20	27.42	1.75	1.75
R7/20	BEDROOM	W7/20	28.31	2.62	2.62
R8/20	BEDROOM	W8/20	28.63	2.09	2.09
R9/20	LIVINGROOM	W9/20	28.60	4.25	
R9/20	LIVINGROOM	W10/20	30.48	1.49	
R9/20	LIVINGROOM	W11/20	11.12	0.63	6.37
R10/20	KITCHEN	W12/20	38.98	3.81	3.81
R11/20	KITCHEN	W13/20	38.75	3.78	3.78
R12/20	LIVINGROOM	W14/20	10.05	0.62	
R12/20	LIVINGROOM	W15/20	28.84	1.44	
R12/20	LIVINGROOM	W16/20	22.13	3.56	5.62
R13/20	BEDROOM	W17/20	23.12	1.76	1.76
R14/20	BEDROOM	W18/20	23.13	1.85	1.85
R15/20	BEDROOM	W19/20	22.84	1.27	1.27
R16/20	BEDROOM	W20/20	21.35	1.37	1.37
R17/20	BEDROOM	W21/20	8.29	1.97	1.97
R18/20	LKD	W22/20	7.61	0.92	
R18/20	LKD	W23/20	19.70	0.71	1.62
R19/20	BEDROOM	W24/20	20.66	1.29	1.29
R20/20	BEDROOM	W25/20	19.99	1.91	1.91
R21/20	BEDROOM	W26/20	19.66	1.74	1.74
R22/20	LKD	W27/20	17.40	1.65	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R22/20	LKD	W28/20	15.76	0.57	
R22/20	LKD	W29/20	2.27	0.15	
R22/20	LKD	W30/20	10.56	0.57	2.93
R23/20	LKD	W31/20	10.57	0.56	
R23/20	LKD	W32/20	2.41	0.16	
R23/20	LKD	W33/20	17.46	0.61	
R23/20	LKD	W34/20	22.34	1.96	3.29
R1/21	BEDROOM	W1/21	27.13	1.86	1.86
R2/21	BEDROOM	W2/21	27.72	1.98	1.98
R3/21	BEDROOM	W3/21	28.33	1.68	1.68
R4/21	LKD	W4/21	26.04	0.75	
R4/21	LKD	W5/21	9.35	0.59	1.34
R5/21	BEDROOM	W6/21	10.38	1.14	1.14
R6/21	BEDROOM	W7/21	27.31	1.62	1.62
R7/21	BEDROOM	W8/21	30.19	1.61	1.61
R8/21	BEDROOM	W9/21	30.76	2.26	2.26
R9/21	BEDROOM	W10/21	30.61	2.23	2.23
R10/21	LIVINGROOM	W11/21	7.94	1.55	
R10/21	LIVINGROOM	W12/21	16.31	0.87	
R10/21	LIVINGROOM	W13/21	30.71	1.65	4.07
R11/21	KITCHEN	W14/21	39.15	4.02	4.02
R12/21	KITCHEN	W15/21	38.96	4.01	4.01
R13/21	LIVINGROOM	W16/21	29.84	1.64	
R13/21	LIVINGROOM	W17/21	15.36	0.83	
R13/21	LIVINGROOM	W18/21	2.41	0.83	3.30
R14/21	BEDROOM	W19/21	25.43	1.93	1.93
R15/21	BEDROOM	W20/21	25.81	1.97	1.97
R16/21	BEDROOM	W21/21	25.70	1.42	1.42
R17/21	BEDROOM	W22/21	23.17	1.44	1.44
R18/21	BEDROOM	W23/21	6.39	1.03	1.03
R19/21	LKD	W24/21	5.34	0.41	
R19/21	LKD	W25/21	21.50	0.66	1.07

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R20/21	BEDROOM	W26/21	23.68	1.47	1.47
R21/21	BEDROOM	W27/21	22.93	1.71	1.71
R22/21	BEDROOM	W28/21	22.26	1.61	1.61
R23/21	LIVINGROOM	W29/21	1.06	0.63	
R23/21	LIVINGROOM	W30/21	6.31	0.48	
R23/21	LIVINGROOM	W31/21	18.85	1.26	2.36
R24/21	KITCHEN	W32/21	24.49	2.81	2.81
R25/21	KITCHEN	W33/21	24.80	2.84	2.84
R26/21	LIVINGROOM	W34/21	20.24	1.30	
R26/21	LIVINGROOM	W35/21	7.06	0.53	
R26/21	LIVINGROOM	W36/21	3.27	0.85	2.68
R1/22	BEDROOM	W1/22	31.13	2.04	2.04
R2/22	BEDROOM	W2/22	31.37	2.17	2.17
R3/22	BEDROOM	W3/22	31.86	1.85	1.85
R4/22	LKD	W4/22	30.71	0.87	
R4/22	LKD	W5/22	18.14	1.34	2.21
R5/22	BEDROOM	W6/22	18.46	2.24	2.24
R6/22	BEDROOM	W7/22	31.71	1.84	1.84
R7/22	BEDROOM	W8/22	33.29	1.74	1.74
R8/22	BEDROOM	W9/22	33.68	2.42	2.42
R9/22	BEDROOM	W10/22	33.77	2.38	2.38
R10/22	LIVINGROOM	W11/22	32.77	4.72	
R10/22	LIVINGROOM	W12/22	30.58	1.50	
R10/22	LIVINGROOM	W13/22	11.13	0.63	6.84
R11/22	KITCHEN	W14/22	39.25	4.03	4.03
R12/22	KITCHEN	W15/22	39.12	4.02	4.02
R13/22	LIVINGROOM	W16/22	10.41	0.62	
R13/22	LIVINGROOM	W17/22	29.65	1.47	
R13/22	LIVINGROOM	W18/22	27.67	4.19	6.28
R14/22	BEDROOM	W19/22	29.04	2.10	2.10
R15/22	BEDROOM	W20/22	29.10	2.15	2.15

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R16/22	BEDROOM	W21/22	28.99	1.56	1.56
R17/22	BEDROOM	W22/22	27.48	1.65	1.65
R18/22	BEDROOM	W23/22	14.22	1.86	1.86
R19/22	LKD	W24/22	13.78	1.07	
R19/22	LKD	W25/22	26.24	0.77	1.84
R20/22	BEDROOM	W26/22	27.30	1.64	1.64
R21/22	BEDROOM	W27/22	26.63	1.91	1.91
R22/22	BEDROOM	W28/22	26.33	1.79	1.79
R23/22	LIVINGROOM	W29/22	24.03	3.85	
R23/22	LIVINGROOM	W30/22	21.64	1.24	
R23/22	LIVINGROOM	W31/22	3.42	0.33	5.42
R24/22	KITCHEN	W32/22	28.74	3.17	3.17
R25/22	KITCHEN	W33/22	29.03	3.19	3.19
R26/22	LIVINGROOM	W34/22	4.64	0.40	
R26/22	LIVINGROOM	W35/22	23.12	1.31	
R26/22	LIVINGROOM	W36/22	29.08	4.42	6.13
R1/23	BEDROOM	W1/23	34.14	2.22	2.22
R2/23	BEDROOM	W2/23	34.63	2.36	2.36
R3/23	BEDROOM	W3/23	35.09	2.01	2.01
R4/23	LKD	W4/23	32.82	0.90	
R4/23	LKD	W5/23	15.68	1.12	2.02
R5/23	BEDROOM	W6/23	16.12	1.90	1.90
R6/23	BEDROOM	W7/23	33.46	1.90	1.90
R7/23	BEDROOM	W8/23	36.01	1.86	1.86
R8/23	BEDROOM	W9/23	36.15	2.56	2.56
R9/23	BEDROOM	W10/23	35.83	2.52	2.52
R10/23	LIVINGROOM	W11/23	11.82	2.04	
R10/23	LIVINGROOM	W12/23	16.40	0.87	
R10/23	LIVINGROOM	W13/23	30.79	1.65	4.56
R11/23	KITCHEN	W14/23	39.41	4.04	4.04
R12/23	KITCHEN	W15/23	39.33	4.03	4.03

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R13/23	LIVINGROOM	W16/23	30.34	1.65	
R13/23	LIVINGROOM	W17/23	15.89	0.85	
R13/23	LIVINGROOM	W18/23	7.89	1.53	4.03
R14/23	BEDROOM	W19/23	31.79	2.28	2.28
R15/23	BEDROOM	W20/23	32.15	2.32	2.32
R16/23	BEDROOM	W21/23	32.20	1.70	1.70
R17/23	BEDROOM	W22/23	29.64	1.73	1.73
R18/23	BEDROOM	W23/23	12.45	1.46	1.46
R19/23	LKD	W24/23	11.75	0.84	
R19/23	LKD	W25/23	28.74	0.81	1.65
R20/23	BEDROOM	W26/23	30.92	1.82	1.82
R21/23	BEDROOM	W27/23	30.25	2.11	2.11
R22/23	BEDROOM	W28/23	29.71	1.99	1.99
R23/23	LIVINGROOM	W29/23	5.26	1.12	
R23/23	LIVINGROOM	W30/23	11.30	0.68	
R23/23	LIVINGROOM	W31/23	25.27	1.51	3.30
R24/23	KITCHEN	W32/23	33.13	3.53	3.53
R25/23	KITCHEN	W33/23	33.38	3.55	3.55
R26/23	LIVINGROOM	W34/23	26.51	1.55	
R26/23	LIVINGROOM	W35/23	12.45	0.74	
R26/23	LIVINGROOM	W36/23	9.81	1.82	4.11
R1/24	BEDROOM	W1/24	37.92	2.38	2.38
R2/24	BEDROOM	W2/24	37.90	2.54	2.54
R3/24	BEDROOM	W3/24	38.20	2.15	2.15
R4/24	LKD	W4/24	37.62	1.01	
R4/24	LKD	W5/24	24.17	1.66	2.67
R5/24	BEDROOM	W6/24	24.27	2.72	2.72
R6/24	BEDROOM	W7/24	37.89	2.10	2.10
R7/24	BEDROOM	W8/24	38.53	1.96	1.96
R8/24	BEDROOM	W9/24	38.51	2.69	2.69

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R9/24	BEDROOM	W10/24	38.59	2.64	2.64
R10/24	LIVINGROOM	W11/24	38.80	5.18	
R10/24	LIVINGROOM	W12/24	32.32	1.51	
R10/24	LIVINGROOM	W13/24	11.13	0.63	7.32
R11/24	KITCHEN	W14/24	39.49	4.05	4.05
R12/24	KITCHEN	W15/24	39.46	4.04	4.04
R13/24	LIVINGROOM	W16/24	10.96	0.63	
R13/24	LIVINGROOM	W17/24	32.06	1.51	
R13/24	LIVINGROOM	W18/24	35.97	4.90	7.03
R14/24	BEDROOM	W19/24	35.62	2.46	2.46
R15/24	BEDROOM	W20/24	35.52	2.51	2.51
R16/24	BEDROOM	W21/24	35.62	1.83	1.83
R17/24	BEDROOM	W22/24	34.92	1.97	1.97
R18/24	BEDROOM	W23/24	21.05	2.46	2.46
R19/24	LKD	W24/24	20.83	1.49	
R19/24	LKD	W25/24	34.33	0.94	2.43
R20/24	BEDROOM	W26/24	34.84	1.99	1.99
R21/24	BEDROOM	W27/24	34.31	2.32	2.32
R22/24	BEDROOM	W28/24	34.29	2.18	2.18
R23/24	LIVINGROOM	W29/24	34.20	4.81	
R23/24	LIVINGROOM	W30/24	29.59	1.46	
R23/24	LIVINGROOM	W31/24	8.91	0.56	6.82
R24/24	KITCHEN	W32/24	36.70	3.84	3.84
R25/24	KITCHEN	W33/24	36.87	3.86	3.86
R26/24	LIVINGROOM	W34/24	9.70	0.59	
R26/24	LIVINGROOM	W35/24	30.44	1.49	
R26/24	LIVINGROOM	W36/24	37.97	5.18	7.26
R1/25	BEDROOM	W1/25	39.60	2.47	2.47
R2/25	BEDROOM	W2/25	39.59	2.63	2.63
R3/25	BEDROOM	W3/25	39.60	2.22	2.22
R4/25	LKD	W4/25	39.57	1.04	
R4/25	LKD	W5/25	38.19	2.57	3.62

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R5/25	BEDROOM	W6/25	38.20	4.22	4.22
R6/25	BEDROOM	W7/25	39.57	2.15	2.15
R7/25	BEDROOM	W8/25	39.59	2.00	2.00
R8/25	BEDROOM	W9/25	39.60	2.75	2.75
R9/25	BEDROOM	W10/25	39.60	2.70	2.70
R10/25	LIVINGROOM	W11/25	39.61	4.59	
R10/25	LIVINGROOM	W12/25	39.36	1.58	
R10/25	LIVINGROOM	W13/25	37.07	1.84	8.02
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	1.84	
R13/25	LIVINGROOM	W17/25	39.31	1.58	
R13/25	LIVINGROOM	W18/25	38.62	4.48	7.90
R14/25	BEDROOM	W19/25	38.17	2.62	2.62
R15/25	BEDROOM	W20/25	38.14	2.67	2.67
R16/25	BEDROOM	W21/25	38.41	1.96	1.96
R17/25	BEDROOM	W22/25	38.34	2.10	2.10
R18/25	BEDROOM	W23/25	36.61	4.12	4.12
R19/25	LKD	W24/25	36.42	2.50	
R19/25	LKD	W25/25	38.17	1.01	3.51
R20/25	BEDROOM	W26/25	38.16	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	1.86	7.94
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	1.87	
R26/25	LIVINGROOM	W35/25	39.27	1.60	
R26/25	LIVINGROOM	W36/25	39.60	4.66	8.14

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
Building C					
R1/40	BEDROOM	W1/40	19.27	1.97	1.97
R2/40	BEDROOM	W2/40	20.27	2.21	2.21
R3/40	LKD	W3/40	9.40	1.51	1.51
R4/40	BEDROOM	W4/40	21.07	2.47	2.47
R5/40	LKD	W5/40	10.21	1.62	1.62
R6/40	BEDROOM	W6/40	9.85	3.36	3.36
R7/40	BEDROOM	W7/40	19.83	1.42	1.42
R8/40	LKD	W8/40	16.90	1.53	1.53
R9/40	BEDROOM	W9/40	18.47	2.70	2.70
R10/40	LKD	W10/40	10.81	1.79	1.79
R11/40	BEDROOM	W11/40	23.16	2.21	2.21
R12/40	BEDROOM	W12/40	22.50	1.99	1.99
R13/40	BEDROOM	W13/40	27.35	1.80	1.80
R14/40	BEDROOM	W14/40	29.26	2.48	2.48
R15/40	BEDROOM	W15/40	28.97	2.85	2.85
R16/40	LIVINGROOM	W16/40	19.56	1.92	
R16/40	LIVINGROOM	W17/40	36.33	3.51	5.42
R17/40	KITCHEN	W18/40	25.12	2.82	2.82
R18/40	LKD	W19/40	25.35	2.74	2.74
R19/40	BEDROOM	W20/40	36.36	4.27	
R19/40	BEDROOM	W21/40	22.81	2.62	6.88
R20/40	BEDROOM	W22/40	32.71	2.65	2.65
R21/40	BEDROOM	W23/40	33.42	2.10	2.10
R22/40	BEDROOM	W24/40	32.30	2.81	2.81
R23/40	LKD	W25/40	21.03	1.35	
R23/40	LKD	W26/40	16.99	0.74	2.09
R24/40	BEDROOM	W27/40	29.82	2.49	2.49

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R25/40	BEDROOM	W28/40	30.45	2.74	2.74
R26/40	LKD	W29/40	19.40	2.36	2.36
R27/40	BEDROOM	W30/40	29.25	2.77	2.77
R28/40	LKD	W31/40	29.23	1.65	1.65
R29/40	LKD	W32/40	17.42	1.13	
R29/40	LKD	W33/40	17.71	0.60	1.73
R30/40	BEDROOM	W34/40	23.76	2.04	2.04
R31/40	BEDROOM	W35/40	31.62	2.69	2.69
R32/40	BEDROOM	W36/40	30.52	4.63	4.63
R33/40	LKD	W37/40	12.88	1.79	1.79
R34/40	BEDROOM	W38/40	27.45	2.51	2.51
R35/40	BEDROOM	W39/40	29.71	2.53	2.53
R36/40	LKD	W40/40	21.85	2.63	2.63
R37/40	BEDROOM	W41/40	32.69	3.14	3.14
R38/40	BEDROOM	W42/40	31.21	2.84	2.84
R39/40	LKD	W43/40	19.25	1.29	
R39/40	LKD	W44/40	26.31	0.99	
R39/40	LKD	W45/40	28.64	1.95	4.23
R40/40	LKD	W46/40	29.08	1.98	
R40/40	LKD	W47/40	27.14	1.02	
R40/40	LKD	W48/40	7.39	0.71	3.71
R1/41	BEDROOM	W1/41	22.76	1.90	1.90
R2/41	BEDROOM	W2/41	22.57	1.99	1.99
R3/41	LKD	W3/41	12.33	1.62	1.62
R4/41	BEDROOM	W4/41	25.53	1.94	1.94
R5/41	BEDROOM	W5/41	26.90	1.96	1.96
R6/41	BEDROOM	W6/41	22.63	1.43	1.43
R7/41	BEDROOM	W7/41	24.50	1.77	1.77
R8/41	LKD	W8/41	11.65	1.99	1.99

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R9/41	LKD	W9/41	7.94	0.73	
R9/41	LKD	W10/41	16.21	0.62	1.35
R10/41	BEDROOM	W11/41	23.31	1.63	1.63
R11/41	BEDROOM	W12/41	23.88	1.57	1.57
R12/41	BEDROOM	W13/41	18.63	1.51	1.51
R13/41	BEDROOM	W14/41	22.06	1.86	1.86
R14/41	LKD	W15/41	12.31	1.73	1.73
R15/41	BEDROOM	W16/41	23.85	1.92	1.92
R16/41	BEDROOM	W17/41	24.13	1.94	1.94
R17/41	LKD	W18/41	9.11	1.12	1.12
R18/41	BEDROOM	W19/41	16.59	2.24	
R18/41	BEDROOM	W64/41	8.69	0.88	3.12
R19/41	BEDROOM	W20/41	28.77	2.24	2.24
R20/41	BEDROOM	W21/41	30.54	1.63	
R20/41	BEDROOM	W22/41	30.15	1.66	3.29
R21/41	KITCHEN	W23/41	20.16	1.42	
R21/41	KITCHEN	W24/41	36.08	2.55	3.96
R22/41	LIVINGROOM	W25/41	25.34	3.04	3.04
R23/41	LIVINGROOM	W26/41	27.46	2.38	
R23/41	LIVINGROOM	W27/41	24.18	0.91	3.30
R24/41	KITCHEN	W28/41	36.18	2.82	
R24/41	KITCHEN	W29/41	24.17	1.80	4.62
R25/41	BEDROOM	W30/41	35.60	2.61	2.61
R26/41	BEDROOM	W31/41	36.75	1.90	1.90
R27/41	BEDROOM	W32/41	35.23	1.72	1.72
R28/41	LKD	W33/41	23.19	1.20	
R28/41	LKD	W65/41	17.53	0.55	1.76
R29/41	BEDROOM	W34/41	15.50	2.37	2.37
R30/41	BEDROOM	W35/41	32.20	2.42	2.42
R31/41	BEDROOM	W36/41	31.83	2.25	2.25

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R32/41	LKD	W37/41	22.13	2.99	2.99
R33/41	BEDROOM	W38/41	33.66	2.23	2.23
R34/41	BEDROOM	W39/41	32.23	2.78	2.78
R35/41	LKD	W40/41	20.05	1.27	
R35/41	LKD	W41/41	19.07	0.66	1.93
R36/41	BEDROOM	W42/41	27.92	3.88	3.88
R37/41	BEDROOM	W43/41	32.24	3.39	3.39
R38/41	BEDROOM	W44/41	33.69	2.59	2.59
R39/41	KITCHEN	W45/41	28.97	2.52	2.52
R40/41	LIVINGROOM	W46/41	20.16	2.09	2.09
R41/41	LIVINGROOM	W47/41	20.42	2.01	2.01
R42/41	KITCHEN	W48/41	30.12	2.53	2.53
R43/41	BEDROOM	W49/41	35.75	2.63	2.63
R44/41	BEDROOM	W50/41	36.99	4.02	4.02
R45/41	BEDROOM	W51/41	37.19	3.69	
R45/41	BEDROOM	W52/41	18.81	1.04	4.73
R46/41	BEDROOM	W53/41	28.59	2.14	2.14
R47/41	BEDROOM	W54/41	32.59	2.50	2.50
R48/41	LKD	W55/41	22.76	2.60	2.60
R49/41	BEDROOM	W56/41	32.13	2.62	2.62
R50/41	BEDROOM	W57/41	32.35	2.51	2.51
R51/41	LKD	W58/41	20.87	1.39	
R51/41	LKD	W59/41	30.09	0.93	
R51/41	LKD	W60/41	32.61	2.15	4.47
R52/41	LKD	W61/41	32.82	2.17	
R52/41	LKD	W62/41	30.25	0.95	
R52/41	LKD	W63/41	10.37	0.80	3.92
R1/42	BEDROOM	W1/42	27.34	2.14	2.14
R2/42	BEDROOM	W2/42	27.90	2.34	2.34

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R3/42	LKD	W3/42	15.86	1.89	1.89
R4/42	BEDROOM	W4/42	27.87	2.05	2.05
R5/42	BEDROOM	W5/42	30.06	2.14	2.14
R6/42	BEDROOM	W6/42	24.97	1.54	1.54
R7/42	BEDROOM	W7/42	26.82	1.89	1.89
R8/42	LKD	W8/42	13.57	1.93	1.93
R9/42	LKD	W9/42	16.10	1.33	
R9/42	LKD	W10/42	11.58	0.39	1.72
R10/42	BEDROOM	W11/42	25.77	1.77	1.77
R11/42	BEDROOM	W12/42	26.74	1.73	1.73
R12/42	BEDROOM	W13/42	20.52	1.63	1.63
R13/42	BEDROOM	W14/42	23.14	1.88	1.88
R14/42	LKD	W15/42	15.08	1.92	1.92
R15/42	BEDROOM	W16/42	27.84	2.14	2.14
R16/42	BEDROOM	W17/42	26.32	2.05	2.05
R17/42	LKD	W18/42	10.78	1.20	1.20
R18/42	BEDROOM	W19/42	18.11	2.32	
R18/42	BEDROOM	W63/42	9.64	0.93	3.25
R19/42	BEDROOM	W20/42	30.35	2.31	2.31
R20/42	BEDROOM	W21/42	31.75	1.67	
R20/42	BEDROOM	W22/42	31.57	1.70	3.37
R21/42	KITCHEN	W23/42	21.16	1.47	
R21/42	KITCHEN	W24/42	37.16	2.60	4.07
R22/42	LIVINGROOM	W25/42	25.57	2.99	2.99
R23/42	LIVINGROOM	W26/42	25.57	3.18	3.18
R24/42	KITCHEN	W27/42	37.16	2.87	
R24/42	KITCHEN	W28/42	24.86	1.84	4.70
R25/42	BEDROOM	W29/42	36.90	2.65	2.65
R26/42	BEDROOM	W30/42	37.81	1.93	1.93

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R27/42	BEDROOM	W31/42	36.80	1.76	1.76
R28/42	LKD	W32/42	24.58	1.25	
R28/42	LKD	W64/42	18.47	0.57	1.82
R29/42	BEDROOM	W33/42	16.97	2.51	2.51
R30/42	BEDROOM	W34/42	34.26	2.52	2.52
R31/42	BEDROOM	W35/42	35.69	2.47	2.47
R32/42	LKD	W36/42	24.40	3.18	3.18
R33/42	BEDROOM	W37/42	34.73	2.24	2.24
R34/42	BEDROOM	W38/42	34.60	2.93	2.93
R35/42	LKD	W39/42	22.39	1.37	
R35/42	LKD	W40/42	20.32	0.68	2.05
R36/42	BEDROOM	W41/42	29.70	4.05	4.05
R37/42	BEDROOM	W42/42	34.31	3.53	3.53
R38/42	BEDROOM	W43/42	35.99	2.70	2.70
R39/42	KITCHEN	W44/42	33.06	2.80	2.80
R40/42	LIVINGROOM	W45/42	16.84	1.74	1.74
R41/42	LIVINGROOM	W46/42	17.00	1.67	1.67
R42/42	KITCHEN	W47/42	33.74	2.79	2.79
R43/42	BEDROOM	W48/42	37.33	2.72	2.72
R44/42	BEDROOM	W49/42	38.22	4.13	4.13
R45/42	BEDROOM	W50/42	38.37	3.80	
R45/42	BEDROOM	W51/42	19.92	1.07	4.87
R46/42	BEDROOM	W52/42	29.26	2.18	2.18
R47/42	BEDROOM	W53/42	32.09	2.42	2.42
R48/42	LKD	W54/42	24.33	2.69	2.69
R49/42	BEDROOM	W55/42	35.68	2.86	2.86
R50/42	BEDROOM	W56/42	34.54	2.59	2.59
R51/42	LKD	W57/42	22.32	1.45	
R51/42	LKD	W58/42	33.06	1.00	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R51/42	LKD	W59/42	35.91	2.33	4.78
R52/42	LKD	W60/42	35.93	2.33	
R52/42	LKD	W61/42	32.87	1.01	
R52/42	LKD	W62/42	14.06	0.99	4.33
R1/43	BEDROOM	W1/43	33.03	2.46	2.46
R2/43	BEDROOM	W2/43	30.34	2.45	2.45
R3/43	LKD	W3/43	20.20	2.22	2.22
R4/43	BEDROOM	W4/43	33.04	2.35	2.35
R5/43	BEDROOM	W5/43	33.48	2.33	2.33
R6/43	BEDROOM	W6/43	27.52	1.64	1.64
R7/43	BEDROOM	W7/43	30.63	2.05	2.05
R8/43	LKD	W8/43	17.54	2.33	2.33
R9/43	LKD	W9/43	13.50	0.99	
R9/43	LKD	W10/43	23.20	0.79	1.78
R10/43	BEDROOM	W11/43	29.79	1.96	1.96
R11/43	BEDROOM	W12/43	29.88	1.89	1.89
R12/43	BEDROOM	W13/43	22.96	1.73	1.73
R13/43	BEDROOM	W14/43	28.13	2.15	2.15
R14/43	LKD	W15/43	17.55	2.11	2.11
R15/43	BEDROOM	W16/43	29.37	2.15	2.15
R16/43	BEDROOM	W17/43	29.52	2.19	2.19
R17/43	LKD	W18/43	13.00	1.41	1.41
R18/43	BEDROOM	W19/43	34.27	4.08	
R18/43	BEDROOM	W64/43	10.89	0.97	5.05
R19/43	BEDROOM	W20/43	32.68	2.39	2.39
R20/43	BEDROOM	W21/43	33.19	1.72	
R20/43	BEDROOM	W22/43	33.65	1.74	3.46
R21/43	KITCHEN	W23/43	36.69	2.45	
R21/43	KITCHEN	W24/43	38.03	2.55	5.00
R22/43	LIVINGROOM	W25/43	39.62	4.98	4.98

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R23/43	LIVINGROOM	W26/43	39.62	5.29	5.29
R24/43	KITCHEN	W27/43	38.02	2.81	
R24/43	KITCHEN	W28/43	39.33	2.89	5.69
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	1.97	
R28/43	LKD	W63/43	19.18	0.58	2.55
R29/43	BEDROOM	W33/43	18.04	2.59	2.59
R30/43	BEDROOM	W34/43	36.03	2.58	2.58
R31/43	BEDROOM	W35/43	35.84	2.40	2.40
R32/43	LKD	W36/43	25.82	3.26	3.26
R33/43	BEDROOM	W37/43	38.30	2.41	2.41
R34/43	BEDROOM	W38/43	36.87	3.03	3.03
R35/43	LKD	W39/43	23.79	1.42	
R35/43	LKD	W40/43	21.65	0.71	2.12
R36/43	BEDROOM	W41/43	30.77	4.14	4.14
R37/43	BEDROOM	W42/43	35.70	3.61	3.61
R38/43	BEDROOM	W43/43	37.34	2.74	2.74
R39/43	KITCHEN	W44/43	32.10	2.67	2.67
R40/43	LIVINGROOM	W45/43	25.11	2.37	2.37
R41/43	LIVINGROOM	W46/43	25.19	2.28	2.28
R42/43	KITCHEN	W47/43	32.46	2.65	2.65
R43/43	BEDROOM	W48/43	38.19	2.75	2.75
R44/43	BEDROOM	W49/43	38.99	4.20	4.20
R45/43	BEDROOM	W50/43	39.09	3.87	
R45/43	BEDROOM	W51/43	21.77	1.14	5.01
R46/43	BEDROOM	W52/43	30.13	2.20	2.20

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R47/43	BEDROOM	W53/43	35.55	2.62	2.62
R48/43	LKD	W54/43	24.88	2.72	2.72
R49/43	BEDROOM	W55/43	34.90	2.75	2.75
R50/43	BEDROOM	W56/43	38.20	2.80	2.80
R51/43	LKD	W57/43	38.82	2.45	
R51/43	LKD	W58/43	35.90	1.06	
R51/43	LKD	W59/43	38.62	2.48	5.98
R52/43	LKD	W60/43	38.56	2.48	
R52/43	LKD	W61/43	35.60	1.06	
R52/43	LKD	W62/43	33.58	2.18	5.72
Building D					
R1/30	BEDROOM	W1/30	26.06	1.84	1.84
R2/30	BEDROOM	W2/30	27.27	1.91	1.91
R3/30	LKD	W3/30	17.75	1.00	
R3/30	LKD	W4/30	13.80	1.05	2.05
R4/30	BEDROOM	W5/30	28.80	1.64	1.64
R5/30	BEDROOM	W6/30	28.91	1.65	1.65
R6/30	LKD	W7/30	14.00	1.08	
R6/30	LKD	W8/30	14.37	0.86	1.93
R7/30	BEDROOM	W9/30	25.60	1.82	1.82
R8/30	LKD	W10/30	23.82	0.77	
R8/30	LKD	W11/30	11.56	0.88	
R8/30	LKD	W12/30	16.39	0.56	2.22
R9/30	BEDROOM	W13/30	15.52	0.81	
R9/30	BEDROOM	W14/30	3.80	0.76	1.57
R10/30	BEDROOM	W15/30	16.00	1.79	1.79
R11/30	BEDROOM	W16/30	17.35	1.48	1.48
R12/30	LKD	W17/30	12.69	0.80	
R12/30	LKD	W18/30	5.95	0.67	1.47
R13/30	BEDROOM	W19/30	24.60	1.56	1.56
R14/30	BEDROOM	W20/30	24.18	1.61	1.61
R15/30	LKD	W21/30	11.10	0.89	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R15/30	LKD	W22/30	16.85	0.90	1.79
R16/30	BEDROOM	W23/30	25.76	1.84	1.84
R17/30	BEDROOM	W24/30	24.21	1.74	1.74
R18/30	LKD	W25/30	13.09	0.86	
R18/30	LKD	W26/30	34.67	0.88	
R18/30	LKD	W27/30	38.55	2.43	4.17
R19/30	LKD	W28/30	38.78	2.44	
R19/30	LKD	W29/30	35.79	0.88	
R19/30	LKD	W30/30	15.33	0.97	4.29
R1/31	BEDROOM	W1/31	29.28	1.98	1.98
R2/31	BEDROOM	W2/31	30.05	2.04	2.04
R3/31	LKD	W3/31	20.86	0.95	
R3/31	LKD	W4/31	16.82	1.30	2.25
R4/31	BEDROOM	W5/31	31.63	1.72	1.72
R5/31	BEDROOM	W6/31	33.33	1.94	1.94
R6/31	BEDROOM	W7/31	31.56	1.94	1.94
R7/31	LKD	W8/31	16.61	1.21	
R7/31	LKD	W9/31	16.63	0.76	1.97
R8/31	BEDROOM	W10/31	28.08	1.96	1.96
R9/31	BEDROOM	W11/31	26.88	1.86	1.86
R10/31	LKD	W12/31	14.32	0.91	
R10/31	LKD	W13/31	18.91	0.55	
R10/31	LKD	W14/31	17.41	1.31	2.77
R11/31	LKD	W15/31	17.20	1.30	
R11/31	LKD	W16/31	17.94	0.53	
R11/31	LKD	W17/31	6.79	0.52	2.35
R12/31	BEDROOM	W18/31	19.15	1.46	1.46
R13/31	BEDROOM	W19/31	20.34	1.53	1.53
R14/31	LKD	W20/31	14.97	0.73	
R14/31	LKD	W21/31	8.43	0.77	1.50
R15/31	BEDROOM	W22/31	24.83	1.62	1.62
R16/31	BEDROOM	W23/31	27.60	1.68	1.68

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R17/31	BEDROOM	W24/31	27.04	1.52	1.52
R18/31	LKD	W25/31	13.66	1.12	
R18/31	LKD	W26/31	20.22	0.92	2.04
R19/31	BEDROOM	W27/31	28.34	1.95	1.95
R20/31	BEDROOM	W28/31	27.31	1.86	1.86
R21/31	LKD	W29/31	15.69	1.00	
R21/31	LKD	W30/31	35.41	0.89	
R21/31	LKD	W31/31	38.97	2.45	4.33
R22/31	LKD	W32/31	39.12	2.51	
R22/31	LKD	W33/31	36.10	0.91	
R22/31	LKD	W34/31	11.06	0.85	4.27
R1/32	BEDROOM	W1/32	36.10	2.28	2.28
R2/32	BEDROOM	W2/32	32.76	2.16	2.16
R3/32	LKD	W3/32	27.36	1.08	
R3/32	LKD	W4/32	19.61	1.50	2.58
R4/32	BEDROOM	W5/32	34.34	1.83	1.83
R5/32	BEDROOM	W6/32	36.03	2.06	2.06
R6/32	BEDROOM	W7/32	34.15	2.06	2.06
R7/32	LKD	W8/32	19.11	1.36	
R7/32	LKD	W9/32	19.62	0.81	2.17
R8/32	BEDROOM	W10/32	30.78	2.07	2.07
R9/32	BEDROOM	W11/32	32.18	2.12	2.12
R10/32	LKD	W12/32	19.43	1.22	
R10/32	LKD	W13/32	22.98	0.62	
R10/32	LKD	W14/32	20.80	1.50	3.33
R11/32	LKD	W15/32	20.54	1.49	
R11/32	LKD	W16/32	21.95	0.60	
R11/32	LKD	W17/32	12.49	0.84	2.92
R12/32	BEDROOM	W18/32	25.23	1.74	1.74
R13/32	BEDROOM	W19/32	23.98	1.70	1.70
R14/32	LKD	W20/32	18.06	0.78	
R14/32	LKD	W21/32	11.80	0.92	1.70
R15/32	BEDROOM	W22/32	28.15	1.77	1.77

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R16/32	BEDROOM	W23/32	30.91	1.82	1.82
R17/32	BEDROOM	W24/32	30.10	1.65	1.65
R18/32	LKD	W25/32	16.40	1.29	
R18/32	LKD	W26/32	27.00	1.07	2.35
R19/32	BEDROOM	W27/32	30.98	2.07	2.07
R20/32	BEDROOM	W28/32	34.19	2.17	2.17
R21/32	LKD	W29/32	35.12	2.20	
R21/32	LKD	W30/32	37.36	0.91	
R21/32	LKD	W31/32	39.27	2.46	5.56
R22/32	LKD	W32/32	39.34	2.52	
R22/32	LKD	W33/32	37.67	0.93	
R22/32	LKD	W34/32	37.27	1.95	5.40
R1/33	BEDROOM	W1/33	34.22	2.78	
R1/33	BEDROOM	W30/33	36.23	3.33	6.11
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	21.79	1.61	2.88
R4/33	BEDROOM	W5/33	36.79	1.92	1.92
R5/33	BEDROOM	W6/33	38.22	2.15	2.15
R6/33	BEDROOM	W7/33	36.52	2.14	2.14
R7/33	LKD	W8/33	21.06	1.47	
R7/33	LKD	W9/33	26.11	0.97	2.44
R8/33	BEDROOM	W10/33	33.18	2.16	2.16
R9/33	BEDROOM	W11/33	36.64	2.28	2.28
R10/33	LKD	W12/33	36.82	2.53	
R10/33	LKD	W13/33	28.74	0.80	
R10/33	LKD	W14/33	26.48	1.99	5.32
R11/33	LKD	W15/33	26.08	1.98	
R11/33	LKD	W16/33	28.06	0.78	
R11/33	LKD	W17/33	31.07	2.23	4.99
R12/33	BEDROOM	W18/33	31.24	1.98	1.98
R13/33	BEDROOM	W19/33	27.95	1.88	1.88

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R14/33	LKD	W20/33	24.74	0.94	
R14/33	LKD	W21/33	15.40	1.11	2.06
R15/33	BEDROOM	W22/33	32.16	1.92	1.92
R16/33	BEDROOM	W23/33	34.49	1.96	1.96
R17/33	BEDROOM	W24/33	33.59	1.77	1.77
R18/33	LKD	W25/33	18.97	1.44	
R18/33	LKD	W26/33	34.42	1.27	2.72
R19/33	LKD	W27/33	25.43	0.71	
R19/33	LKD	W28/33	32.88	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	31.05	3.18	3.18
R1/62	BEDROOM	W6/62	38.56	3.00	3.00
R2/62	BEDROOM	W7/62	33.93	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	31.25	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	33.90	3.45	3.45
R12/62	BEDROOM	W4/62	25.45	0.54	
R12/62	BEDROOM	W5/62	37.85	2.59	3.13

Building E3

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
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	28.97	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	32.72	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	30.08	3.16	3.16
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	33.02	2.97	2.97
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	16.14	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	28.41	3.06	3.06
R9/61	LIVINGROOM	W13/61	39.06	2.99	
R9/61	LIVINGROOM	W14/61	37.80	0.60	3.59
R6/62	BEDROOM	W14/62	32.19	3.36	3.36
R9/62	BEDROOM	W12/62	38.23	0.62	
R9/62	BEDROOM	W13/62	38.95	2.63	3.25
Building E6					

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R7/60	KITCHEN	W15/60	22.82	1.60	
R7/60	KITCHEN	W16/60	24.07	1.89	
R7/60	KITCHEN	W17/60	3.78	0.33	3.81
R8/60	BEDROOM	W18/60	34.66	2.94	2.94
R7/61	BEDROOM	W9/61	29.68	3.16	3.16
R8/61	LIVINGROOM	W10/61	29.30	0.47	
R8/61	LIVINGROOM	W11/61	37.80	0.57	
R8/61	LIVINGROOM	W12/61	39.08	2.85	3.89
R7/62	BEDROOM	W16/62	32.55	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	32.23	0.57	3.95
Building E7					
R1/50	LKD	W1/50	22.44	0.87	
R1/50	LKD	W2/50	22.49	0.87	
R1/50	LKD	W3/50	33.86	0.52	
R1/50	LKD	W4/50	35.39	0.32	
R1/50	LKD	W5/50	33.53	0.28	
R1/50	LKD	W6/50	32.43	1.89	4.75
R2/50	BEDROOM	W7/50	30.19	0.52	
R2/50	BEDROOM	W8/50	25.38	1.04	
R2/50	BEDROOM	W9/50	23.85	1.78	3.34
R3/50	BEDROOM	W10/50	23.00	1.57	
R3/50	BEDROOM	W11/50	20.54	0.89	2.47
R4/50	BEDROOM	W12/50	24.61	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	14.13	1.71	1.71
R7/50	BEDROOM	W16/50	21.64	1.91	
R7/50	BEDROOM	W17/50	23.09	1.98	3.89
R8/50	LKD	W18/50	32.25	0.55	
R8/50	LKD	W19/50	30.75	0.32	
R8/50	LKD	W20/50	20.94	0.89	
R8/50	LKD	W21/50	21.22	0.91	2.67
R9/50	LKD	W22/50	21.88	1.19	
R9/50	LKD	W23/50	22.02	1.21	
R9/50	LKD	W24/50	32.86	0.71	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R9/50	LKD	W25/50	34.63	0.44	3.55
R10/50	BEDROOM	W26/50	25.80	1.38	1.38
R1/51	LKD	W1/51	26.22	0.96	
R1/51	LKD	W2/51	26.74	0.96	
R1/51	LKD	W3/51	35.41	0.67	
R1/51	LKD	W4/51	35.07	0.29	
R1/51	LKD	W5/51	34.33	1.33	4.20
R2/51	BEDROOM	W6/51	32.48	0.52	
R2/51	BEDROOM	W7/51	28.21	1.07	
R2/51	BEDROOM	W8/51	29.32	2.30	3.89
R3/51	BEDROOM	W9/51	28.68	2.18	
R3/51	BEDROOM	W10/51	23.97	0.97	3.15
R4/51	BEDROOM	W11/51	29.11	1.96	
R4/51	BEDROOM	W12/51	29.74	2.00	3.97
R5/51	BEDROOM	W13/51	30.38	1.70	1.70
R6/51	LKD	W14/51	31.80	1.47	
R6/51	LKD	W15/51	20.27	0.91	
R6/51	LKD	W16/51	15.64	0.76	3.14
R7/51	BEDROOM	W17/51	16.30	0.75	
R7/51	BEDROOM	W18/51	26.21	0.97	
R7/51	BEDROOM	W19/51	23.95	0.42	2.13
R8/51	BEDROOM	W20/51	25.76	0.42	
R8/51	BEDROOM	W21/51	26.51	0.95	
R8/51	BEDROOM	W22/51	34.89	1.17	2.55
R9/51	LKD	W23/51	26.44	1.11	
R9/51	LKD	W24/51	26.53	1.11	
R9/51	LKD	W25/51	34.73	0.77	2.99
R10/51	LKD	W26/51	26.64	0.65	
R10/51	LKD	W27/51	26.06	1.07	
R10/51	LKD	W28/51	26.62	1.08	
R10/51	LKD	W29/51	34.92	0.75	3.55
R11/51	BEDROOM	W30/51	26.71	1.39	1.39
R1/52	LKD	W1/52	39.22	1.45	
R1/52	LKD	W2/52	39.37	1.45	
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	5.11
R2/52	BEDROOM	W6/52	34.79	0.55	
R2/52	BEDROOM	W7/52	31.13	1.14	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R2/52	BEDROOM	W8/52	32.12	2.44	4.13
R3/52	BEDROOM	W9/52	31.78	2.33	
R3/52	BEDROOM	W10/52	28.99	1.07	3.40
R4/52	BEDROOM	W11/52	23.49	1.61	
R4/52	BEDROOM	W12/52	29.07	1.78	
R4/52	BEDROOM	W13/52	31.79	1.85	
R4/52	BEDROOM	W14/52	32.28	1.87	7.10
R5/52	BEDROOM	W15/52	33.05	1.79	1.79
R6/52	LKD	W16/52	33.93	1.54	
R6/52	LKD	W17/52	35.75	1.57	
R6/52	LKD	W18/52	32.64	1.49	4.59
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	1.41	
R9/52	LKD	W24/52	39.50	1.41	
R9/52	LKD	W25/52	37.54	0.68	4.18
R10/52	LKD	W26/52	31.53	0.71	
R10/52	LKD	W27/52	39.23	1.62	
R10/52	LKD	W28/52	39.38	1.62	
R10/52	LKD	W29/52	37.53	0.77	4.72
R11/52	BEDROOM	W30/52	30.57	1.48	1.48

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
Building A						
R1/10	W1/10	BEDROOM	5	21		
R1/10	W2/10	BEDROOM	3	18	5	24
R2/10	W3/10	LKD	4	20	4	20
R3/10	W4/10	LKD	4	22		
R3/10	W5/10	LKD	0	8	4	24
R4/10	W6/10	BEDROOM	0	8	0	8
R5/10	W7/10	BEDROOM	1	18	1	18
R6/10	W8/10	BEDROOM	1	18	1	18
R7/10	W9/10	LKD	5	27		
R7/10	W10/10	LKD	3	20	5	34
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	20		
R11/10	W15/10	BEDROOM	0	2	3	22
R12/10	W16/10	LKD	0	8	0	8
R13/10	W17/10	LIVINGROOM	0	8	0	8
R14/10	W18/10	LKD	0	11		
R14/10	W19/10	LKD	3	14	3	17
R15/10	W20/10	BEDROOM	0	21		
R15/10	W21/10	BEDROOM	0	17	0	21
R16/10	W22/10	BEDROOM	0	16	0	16
R17/10	W23/10	BEDROOM	6	12		
R17/10	W24/10	BEDROOM	9	26	9	29
R18/10	W25/10	BEDROOM	6	24	6	24
R19/10	W26/10	BEDROOM	6	23	6	23
R20/10	W27/10	LKD	1	2	1	2
R21/10	W28/10	LKD	10	13	10	13
R22/10	W29/10	BEDROOM	7	25	7	25
R1/11	W1/11	LKD	19	49		
R1/11	W2/11	LKD	3	17		
R1/11	W3/11	LKD	1	10	19	57

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R2/11	W4/11	BEDROOM	1	16	1	16
R3/11	W5/11	LKD	5	18	5	18
R4/11	W6/11	BEDROOM	3	19		
R4/11	W47/11	BEDROOM	6	20	6	22
R5/11	W7/11	BEDROOM	2	17	2	17
R6/11	W8/11	BEDROOM	2	17	2	17
R7/11	W9/11	LKD	2	12		
R7/11	W10/11	LKD	5	12	5	15
R8/11	W11/11	LKD	2	19	2	19
R9/11	W12/11	BEDROOM	1	9	1	9
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	20	8	37
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	20		
R16/11	W21/11	KITCHEN	0	5	3	25
R17/11	W22/11	LIVINGROOM	0	5	0	5
R18/11	W23/11	LIVINGROOM	0	12	0	12
R19/11	W24/11	LKD	0	11		
R19/11	W25/11	LKD	3	15	3	18
R20/11	W26/11	BEDROOM	1	25		
R20/11	W27/11	BEDROOM	1	22	1	25
R21/11	W28/11	BEDROOM	1	21	1	21
R22/11	W29/11	BEDROOM	6	11		
R22/11	W30/11	BEDROOM	14	31	14	33
R23/11	W31/11	BEDROOM	10	35	10	35
R24/11	W32/11	BEDROOM	7	31	7	31
R25/11	W33/11	BEDROOM	1	21	1	21
R26/11	W34/11	LKD	8	15	8	15

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R27/11	W35/11	LKD	2	8		
R27/11	W36/11	LKD	7	7	8	14
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	9	13	9	13
R31/11	W41/11	BEDROOM	8	35	8	35
R32/11	W42/11	LKD	4	32		
R32/11	W43/11	LKD	9	19		
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		
R4/12	W47/12	BEDROOM	9	32	9	38
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	23	6	25
R8/12	W11/12	LKD	2	10	2	10
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		
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

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
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	26		
R20/12	W27/12	BEDROOM	2	25	2	26
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	7	34	7	34
R26/12	W34/12	LKD	3	9	3	9
R27/12	W35/12	LKD	13	17		
R27/12	W36/12	LKD	10	32	14	38
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
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	0	1	0	1
R5/20	W5/20	BEDROOM	0	9	0	9
R6/20	W6/20	BEDROOM	0	9	0	9

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
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	2		
R12/20	W15/20	LIVINGROOM	0	7		
R12/20	W16/20	LIVINGROOM	8	34	8	38
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	0	3	0	3
R18/20	W22/20	LKD	4	13		
R18/20	W23/20	LKD	3	23	5	27
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	25		
R22/20	W28/20	LKD	11	33		
R22/20	W29/20	LKD	2	2		
R22/20	W30/20	LKD	6	13	13	47
R23/20	W31/20	LKD	5	14		
R23/20	W32/20	LKD	3	3		
R23/20	W33/20	LKD	7	31		
R23/20	W34/20	LKD	5	17	12	37
R1/21	W1/21	BEDROOM	0	9	0	9
R2/21	W2/21	BEDROOM	1	15	1	15
R3/21	W3/21	BEDROOM	0	9	0	9
R4/21	W4/21	LKD	0	9		
R4/21	W5/21	LKD	3	5	3	13
R5/21	W6/21	BEDROOM	0	4	0	4

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R6/21	W7/21	BEDROOM	0	5	0	5
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	2	2		
R10/21	W12/21	LIVINGROOM	0	5		
R10/21	W13/21	LIVINGROOM	0	1	2	7
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	1		
R13/21	W18/21	LIVINGROOM	2	4	2	7
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	2	29	2	29
R18/21	W23/21	BEDROOM	2	4	2	4
R19/21	W24/21	LKD	2	3		
R19/21	W25/21	LKD	6	31	7	32
R20/21	W26/21	BEDROOM	6	29	6	29
R21/21	W27/21	BEDROOM	5	30	5	30
R22/21	W28/21	BEDROOM	4	28	4	28
R23/21	W29/21	LIVINGROOM	0	0		
R23/21	W30/21	LIVINGROOM	3	6		
R23/21	W31/21	LIVINGROOM	11	37	12	40
R24/21	W32/21	KITCHEN	11	51	11	51
R25/21	W33/21	KITCHEN	8	48	8	48
R26/21	W34/21	LIVINGROOM	10	35		
R26/21	W35/21	LIVINGROOM	9	9		
R26/21	W36/21	LIVINGROOM	3	3	15	40
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

Room	Window	Room Use	Window		Winter APSH	Room Annual APSH
			Winter APSH	Annual APSH		
R4/22	W4/22	LKD	0	12		
R4/22	W5/22	LKD	3	19	3	19
R5/22	W6/22	BEDROOM	2	6	2	6
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	2		
R13/22	W17/22	LIVINGROOM	0	10		
R13/22	W18/22	LIVINGROOM	13	47	13	47
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
R17/22	W22/22	BEDROOM	7	37	7	37
R18/22	W23/22	BEDROOM	0	9	0	9
R19/22	W24/22	LKD	9	25		
R19/22	W25/22	LKD	7	36	10	41
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	39		
R23/22	W30/22	LIVINGROOM	15	40		
R23/22	W31/22	LIVINGROOM	4	4	16	58
R24/22	W32/22	KITCHEN	13	56	13	56
R25/22	W33/22	KITCHEN	17	59	17	59
R26/22	W34/22	LIVINGROOM	4	4		
R26/22	W35/22	LIVINGROOM	12	38		
R26/22	W36/22	LIVINGROOM	7	21	12	38
R1/23	W1/23	BEDROOM	2	15	2	15

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R2/23	W2/23	BEDROOM	3	21	3	21
R3/23	W3/23	BEDROOM	1	16	1	16
R4/23	W4/23	LKD	1	16		
R4/23	W5/23	LKD	4	10	4	19
R5/23	W6/23	BEDROOM	0	8	0	8
R6/23	W7/23	BEDROOM	1	11	1	11
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	4	9		
R10/23	W12/23	LIVINGROOM	0	5		
R10/23	W13/23	LIVINGROOM	0	1	4	14
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		
R13/23	W17/23	LIVINGROOM	0	2		
R13/23	W18/23	LIVINGROOM	7	12	7	14
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	8	40	8	40
R18/23	W23/23	BEDROOM	6	17	6	17
R19/23	W24/23	LKD	7	17		
R19/23	W25/23	LKD	12	44	13	46
R20/23	W26/23	BEDROOM	12	44	12	44
R21/23	W27/23	BEDROOM	10	44	10	44
R22/23	W28/23	BEDROOM	9	42	9	42
R23/23	W29/23	LIVINGROOM	1	3		
R23/23	W30/23	LIVINGROOM	8	12		
R23/23	W31/23	LIVINGROOM	19	47	21	53
R24/23	W32/23	KITCHEN	21	64	21	64
R25/23	W33/23	KITCHEN	21	64	21	64

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R26/23	W34/23	LIVINGROOM	16	41		
R26/23	W35/23	LIVINGROOM	15	16		
R26/23	W36/23	LIVINGROOM	4	7	23	51
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	3	11	3	11
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
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	2		
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	7	21	7	21
R19/24	W24/24	LKD	16	39		
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	51		
R23/24	W31/24	LIVINGROOM	8	8	27	77

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R24/24	W32/24	KITCHEN	24	67	24	67
R25/24	W33/24	KITCHEN	25	68	25	68
R26/24	W34/24	LIVINGROOM	8	8		
R26/24	W35/24	LIVINGROOM	17	46		
R26/24	W36/24	LIVINGROOM	7	27	17	48
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	1	21	1	21
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	16	53	16	53
R19/25	W24/25	LKD	18	54		
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

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
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						
R1/40	W1/40	BEDROOM	0	4	0	4
R2/40	W2/40	BEDROOM	1	12	1	12
R3/40	W3/40	LKD	4	14	4	14
R4/40	W4/40	BEDROOM	0	2	0	2
R5/40	W5/40	LKD	1	6	1	6
R6/40	W6/40	BEDROOM	0	15	0	15
R7/40	W7/40	BEDROOM	0	5	0	5
R8/40	W8/40	LKD	0	1	0	1
R9/40	W9/40	BEDROOM	0	5	0	5
R10/40	W10/40	LKD	0	0	0	0
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	1	0	1
R15/40	W15/40	BEDROOM	0	2	0	2
R16/40	W16/40	LIVINGROOM	1	10		
R16/40	W17/40	LIVINGROOM	0	5	1	15
R17/40	W18/40	KITCHEN	0	5	0	5
R18/40	W19/40	LKD	0	12	0	12
R19/40	W20/40	BEDROOM	0	11		
R19/40	W21/40	BEDROOM	16	29	16	32
R20/40	W22/40	BEDROOM	10	42	10	42

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R21/40	W23/40	BEDROOM	10	42	10	42
R22/40	W24/40	BEDROOM	10	42	10	42
R23/40	W25/40	LKD	17	32		
R23/40	W26/40	LKD	16	31	21	48
R24/40	W27/40	BEDROOM	13	48	13	48
R25/40	W28/40	BEDROOM	11	44	11	44
R26/40	W29/40	LKD	10	25	10	25
R27/40	W30/40	BEDROOM	12	48	12	48
R28/40	W31/40	LKD	8	40	8	40
R29/40	W32/40	LKD	14	27		
R29/40	W33/40	LKD	14	28	17	43
R30/40	W34/40	BEDROOM	13	43	13	43
R31/40	W35/40	BEDROOM	14	48	14	48
R32/40	W36/40	BEDROOM	10	41	10	41
R33/40	W37/40	LKD	13	21	13	21
R34/40	W38/40	BEDROOM	16	49	16	49
R35/40	W39/40	BEDROOM	10	41	10	41
R36/40	W40/40	LKD	19	38	19	38
R37/40	W41/40	BEDROOM	15	50	15	50
R38/40	W42/40	BEDROOM	11	42	11	42
R39/40	W43/40	LKD	17	29		
R39/40	W44/40	LKD	14	46		
R39/40	W45/40	LKD	18	58	24	75
R40/40	W46/40	LKD	17	56		
R40/40	W47/40	LKD	14	44		
R40/40	W48/40	LKD	3	9	20	59
R1/41	W1/41	BEDROOM	1	6	1	6
R2/41	W2/41	BEDROOM	1	11	1	11
R3/41	W3/41	LKD	4	5	4	5
R4/41	W4/41	BEDROOM	0	9	0	9
R5/41	W5/41	BEDROOM	0	9	0	9

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
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	0	5		
R9/41	W10/41	LKD	0	4	0	5
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	0	7	0	7
R14/41	W15/41	LKD	0	12	0	12
R15/41	W16/41	BEDROOM	0	2	0	2
R16/41	W17/41	BEDROOM	0	8	0	8
R17/41	W18/41	LKD	1	6	1	6
R18/41	W19/41	BEDROOM	1	9		
R18/41	W64/41	BEDROOM	4	15	4	15
R19/41	W20/41	BEDROOM	0	4	0	4
R20/41	W21/41	BEDROOM	0	4		
R20/41	W22/41	BEDROOM	0	6	0	6
R21/41	W23/41	KITCHEN	1	13		
R21/41	W24/41	KITCHEN	0	2	1	15
R22/41	W25/41	LIVINGROOM	0	9	0	9
R23/41	W26/41	LIVINGROOM	0	7		
R23/41	W27/41	LIVINGROOM	0	5	0	7
R24/41	W28/41	KITCHEN	0	11		
R24/41	W29/41	KITCHEN	16	29	16	32
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	31		
R28/41	W65/41	LKD	15	30	20	46
R29/41	W34/41	BEDROOM	16	24	16	24
R30/41	W35/41	BEDROOM	14	47	14	47

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R31/41	W36/41	BEDROOM	10	42	10	42
R32/41	W37/41	LKD	18	38	18	38
R33/41	W38/41	BEDROOM	14	48	14	48
R34/41	W39/41	BEDROOM	10	42	10	42
R35/41	W40/41	LKD	15	28		
R35/41	W41/41	LKD	15	31	19	47
R36/41	W42/41	BEDROOM	17	49	17	49
R37/41	W43/41	BEDROOM	13	47	13	47
R38/41	W44/41	BEDROOM	13	47	13	47
R39/41	W45/41	KITCHEN	8	38	8	38
R40/41	W46/41	LIVINGROOM	11	31	11	31
R41/41	W47/41	LIVINGROOM	11	28	11	28
R42/41	W48/41	KITCHEN	15	45	15	45
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	15	30	21	65
R46/41	W53/41	BEDROOM	15	44	15	44
R47/41	W54/41	BEDROOM	14	46	14	46
R48/41	W55/41	LKD	12	27	12	27
R49/41	W56/41	BEDROOM	15	49	15	49
R50/41	W57/41	BEDROOM	11	43	11	43
R51/41	W58/41	LKD	17	30		
R51/41	W59/41	LKD	20	51		
R51/41	W60/41	LKD	22	63	27	80
R52/41	W61/41	LKD	22	63		
R52/41	W62/41	LKD	19	49		
R52/41	W63/41	LKD	3	10	25	66
R1/42	W1/42	BEDROOM	2	8	2	8
R2/42	W2/42	BEDROOM	1	12	1	12
R3/42	W3/42	LKD	4	18	4	18
R4/42	W4/42	BEDROOM	0	6	0	6

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room 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	10	3	10
R9/42	W9/42	LKD	1	16		
R9/42	W10/42	LKD	2	8	2	18
R10/42	W11/42	BEDROOM	1	10	1	10
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	2	0	2
R15/42	W16/42	BEDROOM	0	10	0	10
R16/42	W17/42	BEDROOM	0	10	0	10
R17/42	W18/42	LKD	1	8	1	8
R18/42	W19/42	BEDROOM	1	11		
R18/42	W63/42	BEDROOM	4	16	4	17
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	15		
R21/42	W24/42	KITCHEN	0	5	1	20
R22/42	W25/42	LIVINGROOM	0	5	0	5
R23/42	W26/42	LIVINGROOM	0	12	0	12
R24/42	W27/42	KITCHEN	0	11		
R24/42	W28/42	KITCHEN	16	29	16	32
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	32		
R28/42	W64/42	LKD	15	30	21	47
R29/42	W33/42	BEDROOM	17	25	17	25

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R30/42	W34/42	BEDROOM	15	48	15	48
R31/42	W35/42	BEDROOM	14	46	14	46
R32/42	W36/42	LKD	13	28	13	28
R33/42	W37/42	BEDROOM	15	49	15	49
R34/42	W38/42	BEDROOM	11	43	11	43
R35/42	W39/42	LKD	17	30		
R35/42	W40/42	LKD	17	33	23	51
R36/42	W41/42	BEDROOM	19	51	19	51
R37/42	W42/42	BEDROOM	14	48	14	48
R38/42	W43/42	BEDROOM	15	49	15	49
R39/42	W44/42	KITCHEN	10	40	10	40
R40/42	W45/42	LIVINGROOM	11	19	11	19
R41/42	W46/42	LIVINGROOM	15	23	15	23
R42/42	W47/42	KITCHEN	15	47	15	47
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	16	32	22	67
R46/42	W52/42	BEDROOM	15	44	15	44
R47/42	W53/42	BEDROOM	10	42	10	42
R48/42	W54/42	LKD	19	39	19	39
R49/42	W55/42	BEDROOM	15	49	15	49
R50/42	W56/42	BEDROOM	11	44	11	44
R51/42	W57/42	LKD	17	30		
R51/42	W58/42	LKD	22	53		
R51/42	W59/42	LKD	25	67	29	83
R52/42	W60/42	LKD	25	67		
R52/42	W61/42	LKD	20	50		
R52/42	W62/42	LKD	4	11	26	68
R1/43	W1/43	BEDROOM	2	16	2	16
R2/43	W2/43	BEDROOM	2	16	2	16
R3/43	W3/43	LKD	5	11	5	11

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
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	2	8		
R9/43	W10/43	LKD	2	8	2	8
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	4	0	4
R16/43	W17/43	BEDROOM	0	11	0	11
R17/43	W18/43	LKD	2	10	2	10
R18/43	W19/43	BEDROOM	2	16		
R18/43	W64/43	BEDROOM	5	17	5	19
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
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		
R28/43	W63/43	LKD	15	30	21	64

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R29/43	W33/43	BEDROOM	17	25	17	25
R30/43	W34/43	BEDROOM	15	48	15	48
R31/43	W35/43	BEDROOM	11	44	11	44
R32/43	W36/43	LKD	20	41	20	41
R33/43	W37/43	BEDROOM	15	49	15	49
R34/43	W38/43	BEDROOM	11	45	11	45
R35/43	W39/43	LKD	17	30		
R35/43	W40/43	LKD	17	33	23	51
R36/43	W41/43	BEDROOM	19	51	19	51
R37/43	W42/43	BEDROOM	14	48	14	48
R38/43	W43/43	BEDROOM	14	48	14	48
R39/43	W44/43	KITCHEN	8	38	8	38
R40/43	W45/43	LIVINGROOM	11	37	11	37
R41/43	W46/43	LIVINGROOM	11	28	11	28
R42/43	W47/43	KITCHEN	15	45	15	45
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	14	47	14	47
R48/43	W54/43	LKD	13	27	13	27
R49/43	W55/43	BEDROOM	15	49	15	49
R50/43	W56/43	BEDROOM	15	49	15	49
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	8	2	8

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R2/30	W2/30	BEDROOM	1	10	1	10
R3/30	W3/30	LKD	6	26		
R3/30	W4/30	LKD	3	4	6	26
R4/30	W5/30	BEDROOM	0	7	0	7
R5/30	W6/30	BEDROOM	0	13	0	13
R6/30	W7/30	LKD	2	9		
R6/30	W8/30	LKD	0	0	2	9
R7/30	W9/30	BEDROOM	0	9	0	9
R8/30	W10/30	LKD	0	14		
R8/30	W11/30	LKD	1	8		
R8/30	W12/30	LKD	0	0	1	16
R9/30	W13/30	BEDROOM	0	0		
R9/30	W14/30	BEDROOM	4	4	4	4
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	8	8	8	8
R13/30	W19/30	BEDROOM	10	30	10	30
R14/30	W20/30	BEDROOM	7	29	7	29
R15/30	W21/30	LKD	8	11		
R15/30	W22/30	LKD	11	27	17	36
R16/30	W23/30	BEDROOM	9	37	9	37
R17/30	W24/30	BEDROOM	5	30	5	30
R18/30	W25/30	LKD	8	15		
R18/30	W26/30	LKD	24	52		
R18/30	W27/30	LKD	26	68	29	78
R19/30	W28/30	LKD	26	68		
R19/30	W29/30	LKD	21	50		
R19/30	W30/30	LKD	4	11	26	70
R1/31	W1/31	BEDROOM	2	9	2	9
R2/31	W2/31	BEDROOM	2	14	2	14
R3/31	W3/31	LKD	8	32		
R3/31	W4/31	LKD	3	7	8	34
R4/31	W5/31	BEDROOM	1	11	1	11

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R5/31	W6/31	BEDROOM	0	14	0	14
R6/31	W7/31	BEDROOM	1	15	1	15
R7/31	W8/31	LKD	3	10		
R7/31	W9/31	LKD	0	0	3	10
R8/31	W10/31	BEDROOM	0	10	0	10
R9/31	W11/31	BEDROOM	1	16	1	16
R10/31	W12/31	LKD	2	9		
R10/31	W13/31	LKD	0	0		
R10/31	W14/31	LKD	0	7	2	16
R11/31	W15/31	LKD	0	6		
R11/31	W16/31	LKD	0	0		
R11/31	W17/31	LKD	4	5	4	10
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	9	9	9	9
R15/31	W22/31	BEDROOM	11	33	11	33
R16/31	W23/31	BEDROOM	12	34	12	34
R17/31	W24/31	BEDROOM	9	32	9	32
R18/31	W25/31	LKD	10	15		
R18/31	W26/31	LKD	15	32	21	43
R19/31	W27/31	BEDROOM	14	42	14	42
R20/31	W28/31	BEDROOM	9	34	9	34
R21/31	W29/31	LKD	11	18		
R21/31	W30/31	LKD	24	52		
R21/31	W31/31	LKD	26	68	29	78
R22/31	W32/31	LKD	26	68		
R22/31	W33/31	LKD	21	50		
R22/31	W34/31	LKD	3	8	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	11	12	46
R4/32	W5/32	BEDROOM	1	13	1	13
R5/32	W6/32	BEDROOM	1	16	1	16

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R6/32	W7/32	BEDROOM	2	17	2	17
R7/32	W8/32	LKD	3	11		
R7/32	W9/32	LKD	0	0	3	11
R8/32	W10/32	BEDROOM	0	10	0	10
R9/32	W11/32	BEDROOM	2	17	2	17
R10/32	W12/32	LKD	3	17		
R10/32	W13/32	LKD	0	0		
R10/32	W14/32	LKD	0	8	3	25
R11/32	W15/32	LKD	0	9		
R11/32	W16/32	LKD	0	2		
R11/32	W17/32	LKD	11	17	11	24
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	10	14	10	15
R15/32	W22/32	BEDROOM	11	36	11	36
R16/32	W23/32	BEDROOM	12	37	12	37
R17/32	W24/32	BEDROOM	10	36	10	36
R18/32	W25/32	LKD	11	18		
R18/32	W26/32	LKD	17	39	23	52
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	12	20	57
R4/33	W5/33	BEDROOM	2	14	2	14
R5/33	W6/33	BEDROOM	2	17	2	17

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R6/33	W7/33	BEDROOM	2	17	2	17
R7/33	W8/33	LKD	4	12		
R7/33	W9/33	LKD	0	0	4	12
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	10	16	10	18
R15/33	W22/33	BEDROOM	11	39	11	39
R16/33	W23/33	BEDROOM	13	41	13	41
R17/33	W24/33	BEDROOM	11	41	11	41
R18/33	W25/33	LKD	11	19		
R18/33	W26/33	LKD	21	51	27	65
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						

Room	Window	Room Use	Window		Winter APSH	Room Annual APSH
			Winter APSH	Annual APSH		
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
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

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
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
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	20	25		
R1/50	W2/50	LKD	19	26		
R1/50	W3/50	LKD	22	58		
R1/50	W4/50	LKD	22	59		
R1/50	W5/50	LKD	0	8		
R1/50	W6/50	LKD	4	24	22	61
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		

Room	Window	Room Use	Winter APSH	Window Annual APSH	Winter APSH	Room Annual APSH
R7/50	W17/50	BEDROOM	13	37	13	37
R8/50	W18/50	LKD	24	63		
R8/50	W19/50	LKD	25	59		
R8/50	W20/50	LKD	20	25		
R8/50	W21/50	LKD	19	26	26	66
R9/50	W22/50	LKD	20	25		
R9/50	W23/50	LKD	19	26		
R9/50	W24/50	LKD	20	55		
R9/50	W25/50	LKD	22	58	22	59
R10/50	W26/50	BEDROOM	15	37	15	37
R1/51	W1/51	LKD	24	33		
R1/51	W2/51	LKD	21	33		
R1/51	W3/51	LKD	20	48		
R1/51	W4/51	LKD	0	8		
R1/51	W5/51	LKD	2	19	24	65
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	9	24		
R6/51	W16/51	LKD	4	20	9	26
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	46	28	78
R9/51	W23/51	LKD	24	33		
R9/51	W24/51	LKD	21	33		
R9/51	W25/51	LKD	19	47	24	59
R10/51	W26/51	LKD	15	37		
R10/51	W27/51	LKD	24	33		
R10/51	W28/51	LKD	21	33		
R10/51	W29/51	LKD	19	47	24	59
R11/51	W30/51	BEDROOM	15	37	15	37
R1/52	W1/52	LKD	24	60		
R1/52	W2/52	LKD	24	60		



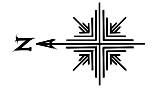
APPENDIX 4

Overshadowing / Sunlight Amenity Results

SOURCES

TP BENNETT
 Plans, Elevations and Site Model:
 Teddington Riverside Iteration _ (1) and (2);
 A175.skp
 Proposee scheme dated 12/12/13;
 A9951D0089-107.rwg

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



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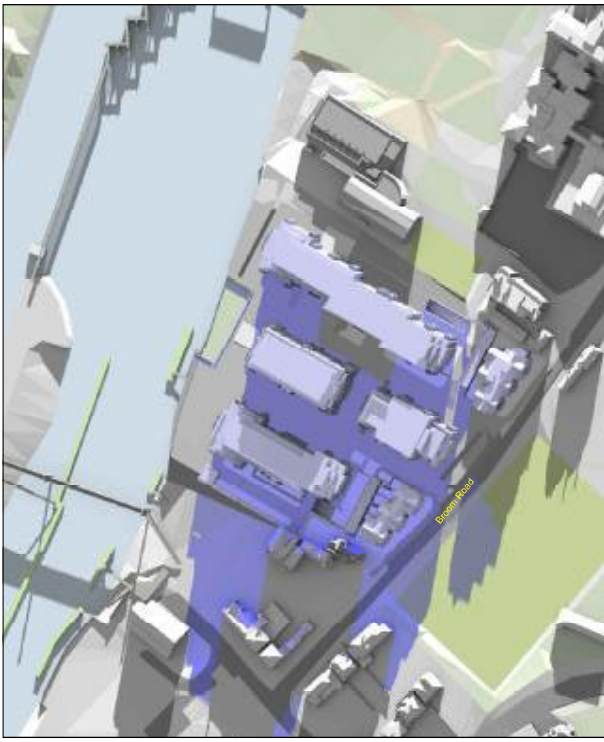
BUILDING CONSULTANCY
 COSTA BRUNNEN, BUILDING SCIENCE,
 PRISON WALLS, LONDON EC1A 3BE

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 25 Finsbury Square,
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 Fax: +44 (0) 20 7493 1933
 info@savills.com

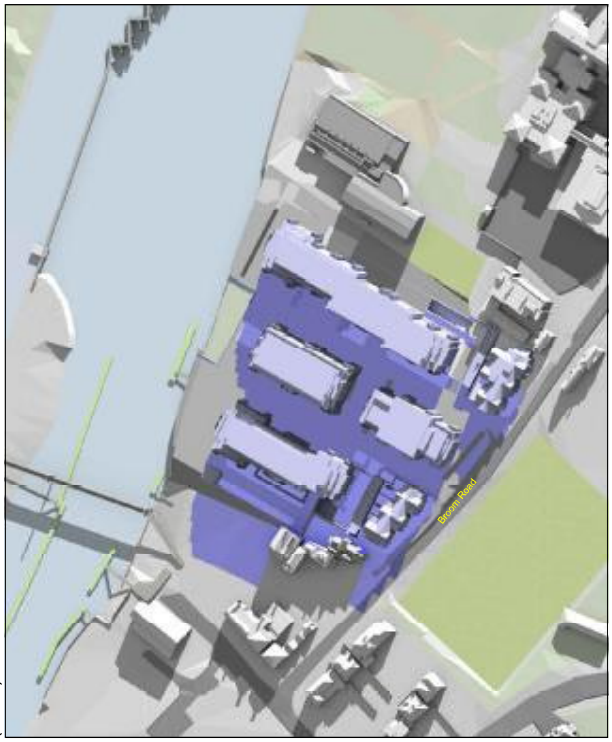
Project
 TEDDINGTON RIVERSIDE
 LONDON TW11

Phase
 TRANSIENT OVERSHADOWING
 STUDY

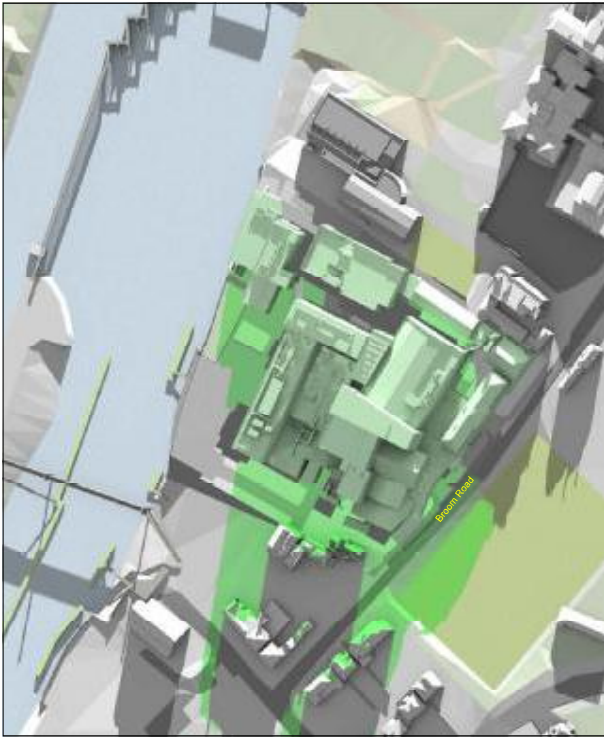
Date	JAN/14	Drawn	NTS
Drawn By	DR	Checked By	
Drawing No.	SRA/BE/MAR/01		



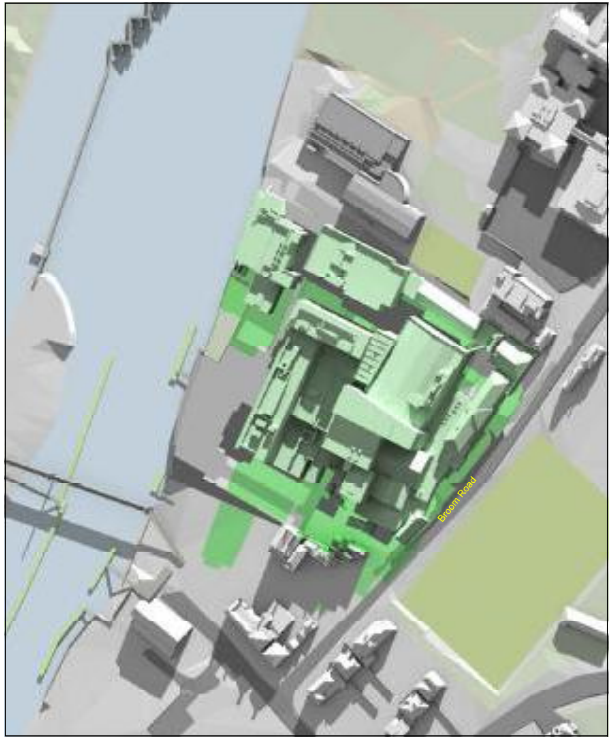
PROPOSED - 7:00am



PROPOSED - 8:00am



EXISTING - 7:00am



EXISTING - 8:00am

Mar 2nd (GMT)