



Greggs Bakery / Twickenham

Daylight, Sunlight & Overshadowing

Contents

1	Introduction	3
2	Sources of Information	4
3	Methodology	5
4	The Site and the Proposed Development	8
5	Planning Overview	10
6	Daylight and Sunlight to Existing Neighbouring Properties	12
7	Results of the Technical Analysis	14
8	Overshadowing of External Amenity Spaces	20
9	Internal Analysis	21
10	Summary and Conclusions	23

Appendices

Appendix 1 – Existing and Proposed 3D Drawings

Appendix 2 Daylight and Sunlight Results to Neighbours

Appendix 3 Overshadowing Sun Hours on Ground Assessment

Appendix 4 Property Window Maps



1 **Introduction**

- 1.1 Point 2 Surveyors Ltd have been appointed by London Square to undertake a daylight, sunlight and overshadowing assessment in relation to the proposed development located at the Greggs Bakery site, Gould Road, Twickenham (the 'Site').
- 1.2 The proposed development seeks full planning permission for the demolition of all existing buildings and the erection of residential units ranging from three to five storeys in height (The 'Proposed Development').
- 1.3 This report assesses the daylight within the Proposed Development as well as the daylight, sunlight and overshadowing effects of the proposal on the surrounding residential properties in accordance with the advice and recommendation set out in the BRE Guidelines 'Site Layout Planning for Daylight and Sunlight: A Guide to Good Practice' (2011).
- 1.4 The calculations within this report have been based upon a 3D contextual model created from point cloud survey data, alongside the submitted 3D model, plans, elevations and sections that have been prepared by Assael Architecture Ltd.



2 **Sources of Information**

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

Point 2 Surveyors

3D Laser Scan Survey
3D Contextual Model

Assael Architecture

DWG's and PDF's issued on the 18th January 2019
CAD 3D Model of the Proposed Development - received 21st January 2019

Valuation Office Agency

Property uses

Richmond Upon Thames

Neighbouring internal layouts

Estate Agent Details

Neighbouring internal layouts



3 Methodology

- 3.1 It is usual to assess any change in daylight and sunlight to neighbouring residential properties by reference to the guidelines set out in the 2011 Building Research Establishment (BRE) Report 'Site layout planning for daylight and sunlight - A guide to good practice' by Paul Littlefair. This document is widely used by planning authorities as the means by which to judge the effects of a scheme on neighbouring amenity. One of the primary sources for the BRE Report is the more detailed guidance contained within 'British Standard 8206 Part 2:2008'.
- 3.2 The BRE Guidelines are not mandatory, and they explicitly state that the numerical target values should be interpreted flexibly. While local planning authorities will consider a proposed scheme in relation to the BRE guidance, consideration will be given to the context within which a scheme is located, and daylight and sunlight will be one of a number of planning considerations.
- 3.3 In relation to the properties surrounding a site, usually the local planning authority will only be concerned with the impact to main habitable accommodation (i.e. living rooms, bedrooms and kitchens) within residential properties. Non-habitable rooms such as bathrooms and hallways have not been considered within this report.
- 3.4 The BRE Guidelines provide two principal measures of daylight for assessing the impact on properties neighbouring a site, namely Vertical Sky Component (VSC) and No-Sky Line (NSL). They also detail a third measure of daylight which is used for assessing amenity within proposed or consented accommodation, namely Average Daylight Factor (ADF).
- 3.5 In terms of sunlight we examine the Annual Probable Sunlight Hours (APSH) and in relation to sunlight amenity to gardens and amenity spaces, we apply the quantitative BRE overshadowing guidance.
- 3.6 These measures of daylight and sunlight are discussed in the following paragraphs -

Diffuse Daylight

- 3.7 **Vertical Sky Component (VSC)** – VSC is a measure of the direct skylight reaching a point from an overcast sky. It is the ratio of the illuminance at a point on a given vertical plane to the illuminance at a point on a horizontal plane due to an unobstructed sky.
- 3.8 For existing buildings, the BRE Guidelines are based on the loss of VSC at a point at the centre of a window, on the outer plane of the wall.
- 3.9 The BRE Guidelines state that if the VSC at the centre of a window is less than 27%, and it is less than 0.8 times its former value (i.e. the proportional reduction is greater than 20%), then the reduction in skylight will be noticeable, and the existing building may be adversely affected.
- 3.10 **No-Sky Line (NSL)** - NSL is a measure of the distribution of daylight within a room. It maps out the region within a room where light can penetrate directly from the sky, and therefore accounts for the size of and number of windows by simple geometry.
- 3.11 The BRE suggest that the area of the working plane within a room that can receive direct skylight should not be reduced to less than 0.8 times its former value (i.e. the proportional reduction in area should not be greater than 20%).



Sunlight

- 3.12 **Annual Probable Sunlight Hours (APSH)** - In relation to sunlight, the BRE recommends that the APSH received at a given window in the proposed case should be at least 25% of the total available, including at least 5% in winter.
- 3.13 Where the proposed values fall short of these, and the absolute loss is greater than 4%, then the proposed values should not be less than 0.8 times their previous value in each period (i.e. the proportional reductions should not be greater than 20%).
- 3.14 The BRE Guidelines state that '*...all main living rooms of dwellings, and conservatories, should be checked if they have a window facing within 90 degrees of due south. Kitchens and bedrooms are less important, although care should be taken not to block out too much sun*'.
- 3.15 The APSH figures are calculated for each window, and where a room is served by more than one window the contribution of each is accounted for in the overall figures for the room. The acceptability criteria are applied to overall room-based figures.

Sun on Ground

- 3.16 The methodology for the assessment of sun hours on ground for external amenity areas is set out in the 2011 BRE Guidance and is summarised below. The 2011 BRE Guidelines acknowledges that:

"Good Site layout planning for daylight and sunlight should not limit itself to providing good natural light inside buildings. Sunlight in the space between buildings has an important effect on the overall appearance and ambience of a Development."

- 3.17 The method for assessing sun hours on ground is the sun-on-ground indicator. The sun hours on ground assessment applies both to new gardens and amenity areas, and to existing ones, which are affected by new developments.
- 3.18 The 2011 BRE Guidelines suggests that the Spring Equinox (21st March) is a good date for assessment as the sun is at its midpoint in the sky. Using specialist software, the path of the sun is tracked which maps obstructions and compares them to the known sun paths to determine where the sun would reach the ground and where it would not.
- 3.19 The BRE suggests that for a garden or amenity area to appear adequately sunlit throughout the year, no more than half (50%) of the area should be prevented by buildings from receiving two hours of sunlight on the 21st March. The 2011 BRE Guidelines then go on to suggest that if, as a result of new Development, an existing garden or amenity area (external receptor) does not meet the Guidance, or the area which can receive some sun on the 21st March is less than 0.8 times its former value then the loss of sunlight is likely to be noticeable. The results of each assessment are analysed against these criteria.



Internal Daylight

- 3.20 The BRE recognise the importance for receiving adequate daylight within the proposed residential accommodation. The use of the Average Daylight Factor (ADF) is used to determine the average illuminance on the working plane in a room, divided by the illuminance on an unobstructed surface outdoors.
- 3.21 The methodology of the ADF assessment is set out in the BRE Guidelines and also the British Standard, BS8206 Part II. Both documents recommend the following ADF target values for the specific room uses:
- Kitchens: 2.0%
 - Living rooms: 1.5%
 - Bedrooms: 1.0%

Please note that where rooms don't have specific target values such as studies, living/dining rooms or living/kitchen/dining rooms we have set target values of 2.0%.

- 3.22 The ADF calculation is designed to quantify the amount of daylight in a room as a whole and does not therefore illustrate the likely levels of daylight in the different areas of a large multi-use room. For example, where the living room is generally situated at the front of the room, followed by the dining area and then the kitchen at the rear, the living room area may actually receive good levels of daylight which meet the suggested BRE thresholds whilst the kitchen at the rear may not.
- 3.23 In performing the ADF assessments the following constants have been applied. Other factors such as the size of the room, angle of visible sky and amount of glazing has been taken from the architect's drawings:
- Window Transmittance – 0.68
 - Maintenance Factor – 0.8
 - Wall Reflectance – 0.81
 - Ceiling Reflectance – 0.85
 - Floor Reflectance – 0.40



4 The Site and the Proposed Development

- 4.1 The development site is bound by Northcutt Road to the east, Edwin Road to the south and Crane and Gould Road to the west. The existing site consists of various factory buildings ranging in height from one to three storeys which cover the majority of the development site.
- 4.2 Our understanding of the existing site is illustrated below but also within drawings P1886/01, 02 & 03 which can be found within Appendix 1 of this report.



IMAGE 1: EXISTING SITE

- 4.3 The Proposed Development involves the demolition of the existing factory buildings and the erection of residential units ranging from three to five storeys in height.
- 4.4 The applicant has undertaken pre-planning consultation with Richmond Upon Thames in order to ensure that the scale and form of the Proposed Development incorporates the views and recommendations of officers, wherever possible.
- 4.5 The massing of the scheme has evolved over a number of months in order to produce a high-quality architectural response to the site which seeks to limit the impacts to neighbouring properties whilst delivering a quantum of massing that is required for the development to be a viable proposition.
- 4.6 The Proposed Development is illustrated below as well as in drawing numbers P1886/07-09 located within Appendix 1.



IMAGE 2: PROPOSED DEVELOPMENT



5 Planning Overview

The BRE Guidelines

- 5.1 This assessment has been undertaken in accordance with the BRE document entitled ‘*Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice*’ 2011 (the BRE Guidelines), which is the principal guidance on daylight, sunlight and overshadowing.
- 5.2 The BRE Guidelines is a national document that offers advice on site layouts to provide good natural lighting within new developments and the safeguarding of daylight and sunlight within existing buildings. Due to its national application, the framework for designers, practitioners and planning officials to refer is very much a ‘one size fits all’ approach and is applicable to a variety of built environments, which can range from low rise market towns in the home counties, to urban locations, to areas where significant urban regeneration is taking place.
- 5.3 The BRE Guidelines repeatedly acknowledges the shortcoming of the ‘one size fits all approach’ and encourages the user, whether that be designers, consultants or planning officials to apply the guidelines in a manner that is appropriate for a particular situation. For example, in the introductory summary it states:

*“This guide as a comprehensive revision of the 1991 edition of site layout planning for daylight and sunlight. It is **purely advisory, and a numerical target value may be varied to meet the needs of the development and its location.** Appendix F explains how this can be done in a logical way while retaining consistency with the British Standard Recommendations on interior lighting.”*

- 5.4 In Section 1: Introduction, at paragraph 1.6 it states:

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

- 5.5 Therefore, it is clear that the numerical advice offered by the BRE is not mandatory and that a practical application of the target values is required as natural lighting is only one of many factors that should be considered.
- 5.6 We therefore believe it is appropriate to consider not only the relative change between the existing and proposed condition, but also examine the daylight amenity the neighbouring properties will retain with the development in place.

National Planning Policy Framework (February 2019)

- 5.7 The recently updated National Planning Policy Framework 2019 (‘NPPF’) makes reference to the need for local authorities to adopt a flexible approach when considering daylight and sunlight impacts:



“local planning authorities should refuse applications which they consider fail to make efficient use of land, taking into account the policies in this Framework. In this context, when considering applications for housing, authorities should take a flexible approach in applying policies or guidance relating to daylight and sunlight, where they would otherwise inhibit making efficient use of a site (as long as the resulting scheme would provide acceptable living standards).” (page 37, 123,(c))



6 Daylight and Sunlight to Existing Neighbouring Properties

- 6.1 The BRE Guidelines recommend that daylight and sunlight assessments should be undertaken in relation to any properties which might be considered to have a reasonable expectation for natural light. This would ordinarily include any residential buildings within the vicinity of the site.
- 6.2 The site is surrounded by residential properties to the east, south and west. The following 75 surrounding properties have been assessed in terms of the effect of the Proposed Development upon their daylight and sunlight amenity:
- Lockcorp House, 75 Norcutt Road
 - Alcott House, 73 Norcutt Road
 - 65-71 Norcutt Road
 - 1-63 Norcutt Road (odd)
 - 2-58 Crane Road (even)
 - 4 -14 Gould Road
 - 71 Edwin Road
 - 50 Edwin Road
 - 52 Edwin Road
 - 3 Mereway Cottages
 - 32 Gould Road, Crane Mews
- 6.3 The location of each of these properties has been identified in the drawings located in Appendix 1. Tables of results for the assessed properties are contained within Appendix 2.
- 6.4 Window maps are contained in Appendix 4 which identify the separate windows which have been analysed. The references correspond to those in the detailed tables of results in Appendix 2.
- 6.5 Where possible, we have incorporated layout information for the surrounding properties into our analysis. This information has been sourced from online research of publicly available records. In accordance with normal working practice we have not obtained access to any of these properties in order to confirm that the floorplans obtained accurately reflect the layout of the properties. Where applicable, the use of a room has been specified in the tables of results in Appendix 2.
- 6.6 We have managed to obtain full or partial floorplans for the following properties:
- 8, 10, 14, 16, 22, 28, 30, 32, 36, 44, 50, 58 Crane Road
 - 4, 6, 8, 14 Gould Road
 - Mereway Cottages (partial)
 - 1, 3, 7, 15, 19, 23, 33, 49, 53, 57, 59, 63, 65-71, 73 Norcutt Road
 - Lockcorp House, 75 Norcutt Road
 - 52 Edwin Road



- 6.7 For those properties where layout information was not available, reasonable assumptions have been made as to the internal configurations and uses of the rooms behind the site facing windows. The majority of properties surrounding the site are terraced and where appropriate we have replicated property layouts where floorplans are known.
- 6.8 Rooms which can clearly be identified as non-habitable space (i.e. corridors, bathrooms or stairs) have not been included within the assessment. Any rooms where the uses are not clear from external inspection have been included within the assessment.
- 6.9 Please note that where properties are set back from the site such as those on the southern end of Crane Road (2-36 even), we have only modelled and assessed the effects to the ground floor rooms/windows.



7 Results of the Technical Analysis

- 7.1 Of the 75 residential properties included within our technical analysis, 70 will fully adhere to the BRE Guidelines for daylight (VSC and NSL) and sunlight (APSH).
- 7.2 The majority of properties along Norcutt Road (3-59 odd) as well as Mereway Cottages will benefit from large gains in daylight and sunlight amenity as a result of the implementation of the Proposed Development. These properties will experience the following gains:
- A gain in VSC of between 1% and 773%
 - A gain in NSL of between 1.6% and 150%
 - A gain in Winter APSH of between 4% and 100%
 - A gain in Annual APSH of between 1.2% and 597%.
- 7.3 Large percentage gains of this nature are very unusual for a development site in a London borough, where residential properties are situated in close proximity to each other. This development is exemplary in that regard.
- 7.4 Overall, 30 properties surround the site contain rooms/windows that will experience some form of daylight or sunlight benefit as a result of the implementation of the Proposed Development.
- 7.5 The five properties that experience breaches in the BRE Guidelines for either daylight or sunlight are discussed in further detail below:



58 Crane Road



- 7.6 It was possible to obtain floorplans for the ground floor of this property. The room uses on the 1st and 2nd floor have been assumed based on the floorplans obtained for similar properties.
- 7.7 We understand this property contains five rooms that are served by a total of seven windows.
- 7.8 Four of these rooms served by six windows will adhere to the BRE Guidelines for daylight (VSC and NSL).
- 7.9 The remaining room (R1/642) is served by one window which experiences an alteration in VSC of 31%, which is in excess of the 20% outlined within the BRE Guidelines. However, this window will retain a VSC of 24%, which is just below the 27% recommended by the BRE Guidelines. Furthermore, the room this window serves will adhere to the BRE Guidelines for daylight distribution (NSL), retaining direct skylight to 96% of the room area.
- 7.10 In terms of APSH, the rooms within this property that face within 90° of due south will all adhere to the BRE Guidelines, thus there will be a negligible change in sunlight to this property.



4 Gould Road



- 7.11 It was possible to obtain floorplans for this property, which we have incorporated into our 3D model.
- 7.12 The property contains four rooms that are served by a total of seven windows.
- 7.13 Three of these rooms served by five windows will adhere to the BRE Guidelines for daylight (VSC and NSL).
- 7.14 The remaining room (R2/680) is a kitchen served by two windows. Both windows will adhere to the BRE Guidelines for VSC while the room will experience an alteration in daylight distribution of 32%, which is beyond the 20% outlined within the BRE Guidelines. However, the room will retain direct skylight to 60% of the room area.
- 7.15 In terms of APSH, none of the rooms assessed within this property face within 90° of due south, thus they have not been included within our analysis.



50 Edwin Road



- 7.16 It was not possible to obtain floorplans for this property although reasonable assumptions have been made as to the uses of the room based on floorplans for similar properties.
- 7.17 The property contains four habitable rooms that are served by a total of six windows.
- 7.18 One room on the 1st floor, which is served by one window will adhere to the BRE Guidelines for daylight (VSC and NSL).
- 7.19 There are two rooms located on the ground floor, an assumed kitchen (R1/1040) and an assumed living room (R1/1060). The kitchen is served by three windows, two of which will adhere to the BRE Guidelines for VSC, while the remaining window will experience an alteration in VSC of 63%. Please note that this window experiences a low level of VSC in the existing condition (17%), which is significantly lower than the average existing level of VSC for the surrounding properties of 33%. This is due to the window facing directly onto the existing site and means that changes in VSC lead to higher percentage alterations. The room these windows serve will adhere to the BRE criteria for daylight distribution retaining direct skylight to 98% of the room area.
- 7.20 The living room is served by one window to the rear of the property, which experiences an alteration in VSC of 38%, this window also experiences a lower VSC value of 18%, when compared to the average for the surrounding properties, which is 33%. This means that changes in VSC lead to higher percentage alterations. The room these windows serve will adhere to the BRE criteria for daylight distribution retaining direct skylight to 83% of the room area.
- 7.21 The remaining room (R1/1061) experiences an alteration in VSC of 21%, which is just beyond guidance. The window will retain a VSC of 24%, which is just below the recommended 27%. The room will adhere to the BRE Guidelines for daylight distribution retaining direct skylight to 70% of the room area.
- 7.22 In terms of APSH, none of the rooms assessed within this property face within 90° of due south, thus they have not been included within our analysis.

73 Norcutt Road (Alcott House)



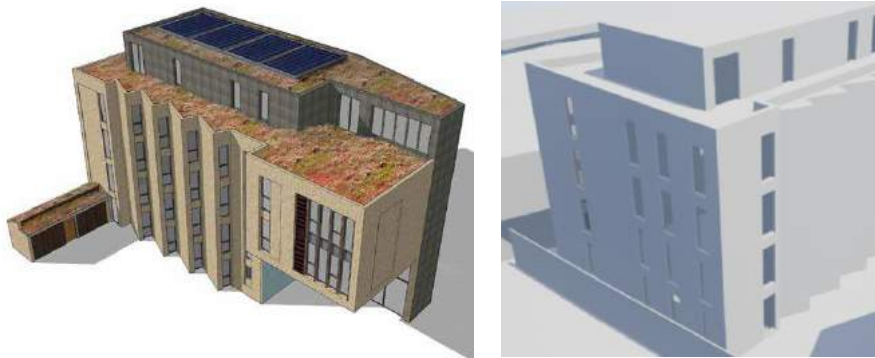


VSC						NSL					
Total No. Windows	No. Windows That Meet BRE Guidelines	No. Windows That Breach BRE Guidelines	Percentage Alterations			Total No. Rooms	No. Rooms That Meet BRE Guidelines	No. Rooms that Breach BRE Guidelines	Percentage Alterations		
			20-30%	30-40%	40%+				20-30%	30-40%	40%+
41	37	4	2	2	0	29	28	1	0	1	0

- 7.23 It was possible to obtain partial floorplans for this property which have been incorporated into our model.
- 7.24 A summary table has been included above and illustrates that 37 of the 41 windows assessed (90%) will adhere to the BRE Guidelines for VSC, while 28 of the 29 rooms assessed (97%) will adhere to the BRE Guidelines for daylight distribution.
- 7.25 The remaining four windows serve three single aspect bedrooms and a living room.
- 7.26 Two of these bedrooms are located on the ground floor in Flat 1 and the windows serving these rooms experience alterations in VSC of 23% and 28%, which breach guidance. The rooms themselves will however satisfy the NSL criteria. It is also worth noting that the living room within Flat 1 will adhere to guidance.
- 7.27 The remaining bedroom serving Flat 5 experiences alterations VSC and NSL of 35% & 37% respectively.
- 7.28 The remaining room is a lounge (R4/11) located on the 1st floor. This room is dual aspect and served by two windows, one of which will adhere to the BRE Guidelines for VSC, while the other will experience a percentage alteration in VSC of 32%. This window will however retain a VSC of 23%, which in our opinion is a reasonable retained VSC in a London borough, albeit a departure from the nationally applicable standards offered by the BRE. The room in question will adhere to the BRE Guidelines for daylight distribution retaining direct skylight to 84% of the room area.
- 7.29 In terms of APSH, the rooms within this property that face within 90° of due south will all adhere to the BRE Guidelines, thus there will be a negligible change in sunlight to this property. The vast majority of the rooms within this property will retain exceptional levels of APSH. The average retained Annual APSH being 63% (BRE recommends 25%) and the average retained winter APSH being 18% (BRE recommends 5%).



75 Norcutt Road (Lockcorp House)



- 7.30 This property was granted planning permission by appeal on the 23rd May 2018 (planning ref: 17/1033/FUL). At the time of writing construction hasn't started on this building and therefore there are no residents to experience any change in amenity. It was possible to obtain floorplans for this property from the planning application and therefore our model was updated prior to technical analysis being undertaken.
- 7.31 Where buildings have been consented but not yet constructed, the BRE Guidelines suggest that Average Daylight Factor (ADF) is the most appropriate form of assessment (BRE Guideline Appendix F, F8). We have therefore commented on the ADF results below.
- 7.32 14 of the 15 rooms that have been included within our technical analysis will achieve the minimum ADF values for their respective room use (these target values are outlined in Section 3.21 of this report).
- 7.33 The remaining room (R2/420) is a ground floor living/kitchen/diner (LKD) which will achieve an ADF of 1.5%. This is below the 2% suggested for large multi-use rooms such as this, although it is however in line with the suggested value for a living room. In our experience, 1.5% ADF for an LKD in a London borough is not uncommon and considered a good level of amenity for an urban setting.
- 7.34 In terms of APSH, 12 rooms have been included within our technical analysis. 11 of these rooms will adhere to the BRE Guidelines. The remaining room is a ground floor LKD which will retain an Annual APSH of 40%, which is far in excess of the 25% outlined within the BRE Guidelines, albeit it retains 2% winter sunlight as opposed to the 5% suggested in the guidelines.



8 **Overshadowing of External Amenity Spaces**

- 8.1 We have undertaken a Sun on Ground assessment for the rear gardens serving the Gould Road, Crane Road, Edwin Road and Norcutt Road properties.
- 8.2 The drawings, which are located in Appendix 3, compare the area of the gardens receiving at least 2 hours of direct sunlight on the March 21st as well as the 21st June in both the existing and proposed condition.
- 8.3 The results for the assessment undertaken on the 21st March demonstrate that all of the amenity spaces included within the technical analysis, with the exception of one, will meet the BRE Guidelines.
- 8.4 20 gardens located along Norcutt Road to the east of the site will experience gains in the area that receives at least two hours of direct sunlight in the proposed scenario. This is a unique situation as one would ordinarily expect development within a London Borough to reduce the availability of sunlight as opposed to increase it. The improvements range between 1% and 64% and therefore the scheme has a material beneficial effect to these properties.
- 8.5 The area to the south of Lockcorp House (75 Norcutt Road), will experience a reduction in the area that receives 2 hours of sunlight from 46% to 10%. On the basis of the planning drawings for this property it is unclear whether this area will be used by the residents as an amenity area or forms part of the car park for the building.
- 8.6 When we consider the availability of sunlight on the 21st June assessment, that being mid-summer, this area will retain 2 hours of direct sunlight to 91% of the area. It is acknowledged that the 21st June represents the maximum availability of sunlight and that the months either side would achieve slightly lower levels of sunlight. However, this assessment shows that the space will be well sunlit during the summer months.



9 Internal Analysis

- 9.1 Point 2 have undertaken a daylight analysis (ADF) of the habitable rooms within the Proposed Development.
- 9.2 A full set of detailed technical results are attached in Appendix 5 of this report. The individual ADF values are also presented on the internal layout plan drawings numbered P1886_I_01-07 inclusive.
- 9.3 In total, we have tested 419 habitable rooms across the scheme, comprising 259 bedrooms, 16 kitchen/dining rooms (KD), 23 kitchens, 41 living rooms/living dining rooms, 74 living kitchen dining rooms (LKDs) and 6 studies. The location and presence of private amenity space (balconies) have been taken into consideration in our calculations. Whilst it is recognised that balconies will limit the available daylight reaching the fenestration, these areas will provide valuable private amenity space for the future occupiers of the building.
- 9.4 The ADF results demonstrate that 388 of the 419 habitable rooms tested (93%) will achieve the suggested ADF values for their relevant room uses as outlined within the BRE Guidelines, please note that we have used a target value of 2% for studies. In our experience, this represents an excellent rate of compliance for a development in a London borough.
- 9.5 Of the 31 rooms that do not achieve the recommended targets, one is a bedroom, 23 are kitchens and seven are LKDs.
- 9.6 The bedroom (R42/1501) is located on the 1st floor of Block F and achieves an ADF of 0.8%, which is just below the suggested 1%.
- 9.7 The 23 kitchens that do not achieve the suggested ADF of 2% are located in the ground floor of Block C and are typically single aspect rooms facing west. While these rooms don't strictly adhere to the suggested guidance, they will all achieve an ADF of between 1.1% and 1.7%, with the majority (19) achieving an ADF of 1.4%.
- 9.8 The remaining seven rooms are LKD's, which are located on the ground floor or 1st floor within Blocks F and E. While these rooms don't achieve the suggested ADF value of 2% for a multi-use room, five of these rooms will achieve an ADF of 1.6% or above, which is in excess of the 1.5% recommended for living rooms. In our experience, 1.5% ADF for an LKD in a London borough is not uncommon and considered a good level of amenity for an urban setting. Of the remaining two rooms, one (R3/1500) will achieve an ADF of 1.3%, which is just below the suggested value for a living room, while the other (R43/1501) is located on the corner of Block F next to a projected wing and achieves an ADF of 1%.
- 9.9 The reason these LKD's do not achieve their target values is mainly due to the windows serving these rooms being situated below balconies. As outlined above, the balconies provide a valuable external private amenity spaces, however, they restrict the access and penetration of natural light within the room below the balcony. As such, there is always a trade-off between providing private external amenity space, which is of course a planning requirement, and natural light to the room below the balcony.



9.10 Nevertheless, it is not unusual for a small number of rooms within a development to achieve ADF's below guidance especially with a development in a London borough. The values seen here are certainly not uncommon, albeit there are technically below guidance.



10 Summary and Conclusions

- 10.1 Point 2 Surveyors have assessed the Assael Architecture scheme for the Greggs Bakery site in order to determine the levels of daylight within the Proposed Development as well as how it affects the daylight and sunlight amenity to the surrounding residential properties. An assessment of the Sun Hours on Ground has also been undertaken for the relevant external amenity spaces.
- 10.2 This site is fairly unique in that there are significant daylight, sunlight and overshadowing benefits to a considerable number of properties along Norcutt Road. These benefits include an increase in VSC between 1% and 773%, an increase in NSL of between 1.6% and 150%, an increase in Winter APSH of between 4% and 100% and an increase in Annual APSH of between 1.2% and 597%.
- 10.3 In terms of the external analysis, the daylight and sunlight analysis demonstrates that 473/481 (98%) of the windows assessed for VSC will adhere to the BRE Guidelines. In terms of NSL, 245/247 rooms (99%) will adhere to the BRE criteria. Finally, 152/152 (100%) of the rooms relevant for sunlight will adhere to the BRE Guidelines for APSH.
- 10.4 Lockcorp House (75 Norcutt Road) was consented in May 2018 and on the basis of current aerial photography we do not believe that construction has started on this building. Where developments are consented but yet to be constructed the BRE suggests that Average Daylight Factor (ADF) analysis is the more appropriate form of assessment. The results demonstrate that all but one ground floor LKD will adhere to the BRE criteria for ADF. The remaining room retains an ADF of 1.5%, which is the criteria for a living room and represents a good level of amenity for a development within a London borough.
- 10.5 When considering the Sun on Ground analysis on the 21st March, all of the surrounding amenity areas with the exception of one (Lock House, 75 Norcutt Road), will meet the BRE Guidelines. Meaning that they will either retain 2 hours of sunlight to at least 50% of their area or, experience less than a 20% reduction from their existing values with regards to sunlight.
- 10.6 The area to the south of Lock House (73 Norcutt Road) will experience a reduction in the area that sees at least two hours of direct sunlight from 46% to 10%. On the basis of the planning drawings for this property it is unclear whether this area will be used by the residents as an amenity area or forms part of the car park for the building. Furthermore, when we consider the 21st June assessment, this area will retain 2 hours of direct sunlight to 91% of its area.
- 10.7 It is also worth noting that in total 20 properties on Norcutt Road will experience a material gain to their amenity areas as a result of the implementation of the Proposed Development.
- 10.8 When considering the internal daylight (ADF) to the proposed accommodation 93% of the rooms will achieve the suggested ADF values for their room type. Ten of the remaining 31 rooms will achieve an ADF of 1.5% or above which is in line with or exceeds the suggested ADF for a living room. A further 15 properties will achieve an ADF of 1.4%, which is just below this figure.



10.9 Overall the internal and external daylight and sunlight results demonstrate a very high level of compliance for a development in a London borough and in fact the development benefits a number of the surrounding properties when considering daylight, sunlight and sun on ground amenity.



Appendix 1 – Existing and Proposed 3D Drawings





Sources: Point2Surveyors
 Scan Data (received 28/08/18)
 Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
 Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 21/09/18)
 A2871 200 Plans_for point2.dwg

Key: — Existing Buildings
— Proposed Scheme

Project: Greggs, Twickenham

Title: Plan View
 Existing site

Point 2 Surveyors Ltd,
 3rd Floor,
 17 Slingsby Place,
 London WC2E 9AB
 0207 836 5828
 www.point2surveyors.com

Scheme Confirmed: -

Date :-

Drawn By: JG

Scale: 1:1000 @ A3

Date: JAN 19

Dwg No: **P1886_01**

Rel: 03





Sources: Point2Surveyors
 Scan Data (received 28/08/18)
 Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
 Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 21/09/18)
 A2871 200 Plans_for point2.dwg

Key: — Existing Buildings
— Proposed Scheme
— All the Heights in mm AOD

Project: Greggs, Twickenham

Title: 3D View
 Existing site

Point 2 Surveyors Ltd,
 3rd Floor,
 17 Slingsby Place,
 London WC2E 9AB
 0207 836 5828
 www.point2surveyors.com

Scheme Confirmed: -

Date :-

Drawn By: JG

Scale: NTS @ A3

Date: JAN 19

Dwg No: **P1886_03**

Rel: 03





Sources: Point2Surveyors
 Scan Data (received 28/08/18)
 Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
 Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 04/02/19)
 A2871 Greggs - North.dwg
 A2871 Greggs - South.dwg

Key: — Existing Buildings
— Proposed Scheme

Project: Greggs, Twickenham

Title: Plan View
 Proposed Scheme received 04/02/19

Point 2 Surveyors Ltd,
 3rd Floor,
 17 Slingsby Place,
 London WC2E 9AB
 0207 836 5828
 www.point2surveyors.com

Scheme Confirmed: -

Date: -

Drawn By: JG/BZW

Scale: 1:1000 @ A3

Date: FEB 19

Dwg No: **P1886_10**

Rel: 04





Sources: Point2Surveyors
 Scan Data (received 28/08/18)
 Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
 Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 04/02/19)
 A2871 Greggs - North.dwg
 A2871 Greggs - South.dwg

Key: — Existing Buildings
— Proposed Scheme
▲ All the Heights in mm AOD

Project: Greggs, Twickenham

Title: 3D View
 Proposed Scheme received 04/02/19

Point 2 Surveyors Ltd,
 3rd Floor,
 17 Slingsby Place,
 London WC2E 9AB
 0207 836 5828
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Scheme Confirmed: -

Date: -

Drawn By: JG/BZW

Scale: NTS @ A3

Date: FEB 19

Dwg No: **P1886_11**

Rel: 04





Sources: Point2Surveyors
 Scan Data (received 28/08/18)
 Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
 Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 04/02/19)
 A2871 Greggs - North.dwg
 A2871 Greggs - South.dwg

Key: — Existing Buildings
— Proposed Scheme
— All the Heights in mm AOD

Project: Greggs, Twickenham

Title: 3D View
 Proposed Scheme received 04/02/19

Point 2 Surveyors Ltd,
 3rd Floor,
 17 Slingsby Place,
 London WC2E 9AB
 0207 836 5828
 www.point2surveyors.com

Scheme Confirmed: -

Date: -

Drawn By: JG/BZW

Scale: NTS @ A3

Date: FEB 19

Dwg No: **P1886_12**

Rel: 04



Appendix 2 Daylight and Sunlight Results to Neighbours



Room	Room Use	Window	EXISTING		PROPOSED		TOTAL LOSS	%LOSS ADF
			ADF	TOTAL	ADF	TOTAL		
Lockcorp House, 75 Norcutt Road								
R1/420	LKD	W1/420	2.12		2.12			
R1/420	LKD	W2/420	0.63	2.75	0.60	2.72	0.03	1.13
R2/420	LKD	W3/420	0.60		0.47			
R2/420	LKD	W4/420	0.58		0.34			
R2/420	LKD	W5/420	0.56		0.15			
R2/420	LKD	W6/420	0.59	2.32	0.51	1.47	0.86	36.79
R1/421	LKD	W1/421	2.12		2.12			
R1/421	LKD	W2/421	0.80	2.92	0.76	2.88	0.04	1.23
R2/421	LKD	W3/421	0.79		0.64			
R2/421	LKD	W4/421	0.78		0.53			
R2/421	LKD	W5/421	0.78		0.28			
R2/421	LKD	W6/421	0.70	3.05	0.64	2.09	0.96	31.50
R1/422	BEDROOM	W1/422	1.16		1.16			
R1/422	BEDROOM	W2/422	1.20	2.36	1.12	2.28	0.08	3.43
R2/422	LKD	W3/422	0.71		0.62			
R2/422	LKD	W4/422	0.71		0.59			
R2/422	LKD	W5/422	0.71		0.50			
R2/422	LKD	W6/422	0.68	2.81	0.66	2.37	0.44	15.74
R1/423	BEDROOM	W1/423	1.16		1.16			
R1/423	BEDROOM	W2/423	1.23	2.39	1.17	2.33	0.06	2.39
R2/423	LKD	W3/423	0.73		0.69			
R2/423	LKD	W4/423	0.73		0.69			
R2/423	LKD	W5/423	0.73		0.68			
R2/423	LKD	W6/423	0.75	2.94	0.75	2.80	0.13	4.56
R1/424	BEDROOM	W1/424	1.62	1.62	1.62	1.62	0.00	0.00
R2/424	BEDROOM	W2/424	1.64	1.64	1.64	1.64	0.00	0.00
R3/424	BEDROOM	W3/424	1.66	1.66	1.66	1.66	0.00	0.00
R4/424	LKD	W4/424	1.58		1.58			
R4/424	LKD	W5/424	1.58	3.16	1.58	3.16	0.00	0.03
R5/424	BEDROOM	W6/424	1.68	1.68	1.68	1.68	0.00	0.00

Room	Room Use	Window	EXISTING		PROPOSED		TOTAL LOSS	%LOSS ADF
			ADF	TOTAL	ADF	TOTAL		
R6/424	BEDROOM	W7/424	1.68	1.68	1.68	1.68	0.00	0.00
R7/424	BEDROOM	W8/424	1.68	1.68	1.68	1.68	0.00	0.00



Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/10	LK_ASSUMED	W1/10	13.72	12.92	0.80	5.83
R1/10	LK_ASSUMED	W2/10	13.76	12.75	1.01	7.34
R2/10	BEDROOM_ASSUMED	W3/10	13.95	12.44	1.51	10.82
R2/10	BEDROOM_ASSUMED	W4/10	14.24	12.29	1.95	13.69
R3/10	BEDROOM_ASSUMED	W5/10	27.12	17.67	9.45	34.85
R4/10	BEDROOM_ASSUMED	W6/10	26.00	18.81	7.19	27.65
R5/10	BEDROOM_ASSUMED	W7/10	25.71	21.32	4.39	17.08
R6/10	LK_ASSUMED	W8/10	16.80	15.80	1.00	5.95
R6/10	LK_ASSUMED	W9/10	29.78	28.15	1.63	5.47
R7/10	BEDROOM_ASSUMED	W10/10	27.64	26.47	1.17	4.23
R8/10	BEDROOM_ASSUMED	W11/10	28.38	27.91	0.47	1.66
R9/10	LK_ASSUMED	W12/10	30.32	30.10	0.22	0.73
R9/10	LK_ASSUMED	W13/10	30.32	30.32	0.00	0.00
R1/11	LOUNGE	W1/11	34.19	34.19	0.00	0.00
R1/11	LOUNGE	W2/11	17.28	16.79	0.49	2.84
R2/11	KITCHEN	W3/11	17.78	16.98	0.80	4.50
R3/11	KITCHEN	W4/11	18.14	16.92	1.22	6.73
R4/11	LOUNGE	W5/11	18.84	16.72	2.12	11.25
R4/11	LOUNGE	W6/11	34.32	23.49	10.83	31.56
R5/11	BEDROOM	W7/11	32.82	25.20	7.62	23.22
R6/11	BEDROOM	W8/11	34.92	28.48	6.44	18.44
R7/11	LIVINGROOM	W9/11	34.85	29.21	5.64	16.18
R7/11	LIVINGROOM	W10/11	34.68	33.27	1.41	4.07
R8/11	BEDROOM	W11/11	33.83	33.01	0.82	2.42
R9/11	BEDROOM	W12/11	34.14	33.90	0.24	0.70
R10/11	LIVINGROOM	W13/11	34.40	34.28	0.12	0.35
R10/11	LIVINGROOM	W14/11	34.75	34.75	0.00	0.00
R1/12	LOUNGE	W1/12	36.46	36.46	0.00	0.00

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/12	LOUNGE	W2/12	22.16	21.81	0.35	1.58
R2/12	KITCHEN	W3/12	22.78	22.25	0.53	2.33
R3/12	KITCHEN	W4/12	23.13	22.36	0.77	3.33
R4/12	LOUNGE	W5/12	23.66	22.31	1.35	5.71
R4/12	LOUNGE	W6/12	36.86	30.48	6.38	17.31
R5/12	BEDROOM	W7/12	35.62	31.05	4.57	12.83
R6/12	BEDROOM	W8/12	37.69	33.84	3.85	10.21
R7/12	LIVINGROOM	W9/12	37.63	34.49	3.14	8.34
R7/12	LIVINGROOM	W10/12	37.28	36.86	0.42	1.13
R8/12	BEDROOM	W11/12	37.31	37.12	0.19	0.51
R9/12	BEDROOM	W12/12	37.34	37.29	0.05	0.13
R10/12	LIVINGROOM	W13/12	37.48	37.47	0.01	0.03
R10/12	LIVINGROOM	W14/12	38.81	38.81	0.00	0.00
65-71 Norcutt Road						
R2/20	CONSERVATORY	W2/20	16.11	15.80	0.31	1.92
R2/20	CONSERVATORY	W3/20	20.39	19.34	1.05	5.15
R2/20	CONSERVATORY	W4/20	24.59	21.55	3.04	12.36
R1/21	BEDROOM_ASSUMED	W1/21	34.48	30.43	4.05	11.75
R1/30	CONSERVATORY	W1/30	23.63	20.96	2.67	11.30
R1/30	CONSERVATORY	W2/30	18.02	16.23	1.79	9.93
R1/30	CONSERVATORY	W3/30	9.50	8.98	0.52	5.47
R1/31	BEDROOM_ASSUMED	W1/31	34.68	30.55	4.13	11.91
63 Norcutt Road						
R1/40	CONSERVATORY	W1/40	13.66	13.12	0.54	3.95
R1/40	CONSERVATORY	W2/40	53.60	51.65	1.95	3.64
R1/40	CONSERVATORY	W3/40	20.28	18.99	1.29	6.36
R1/40	CONSERVATORY	W4/40	73.91	70.32	3.59	4.86
R1/40	CONSERVATORY	W5/40	21.33	18.65	2.68	12.56
R1/40	CONSERVATORY	W6/40	78.36	73.61	4.75	6.06
R1/41	BEDROOM	W1/41	34.77	30.55	4.22	12.14

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/42	BEDROOM	W1/42	85.39	84.50	0.89	1.04
61 Norcutt Road						
R1/50	CONSERVATORY_ASSUMED	W1/50	19.69	18.03	1.66	8.43
R1/50	CONSERVATORY_ASSUMED	W2/50	78.36	73.84	4.52	5.77
R1/50	CONSERVATORY_ASSUMED	W3/50	18.07	18.08	-0.01	-0.06
R1/50	CONSERVATORY_ASSUMED	W4/50	73.94	70.74	3.20	4.33
R1/50	CONSERVATORY_ASSUMED	W5/50	53.75	52.13	1.62	3.01
R1/50	CONSERVATORY_ASSUMED	W6/50	13.90	13.69	0.21	1.51
R1/51	BEDROOM_ASSUMED	W1/51	34.80	30.52	4.28	12.30
R1/52	BEDROOM_ASSUMED	W1/52	85.45	84.61	0.84	0.98
59 Norcutt Road						
R1/60	CONSERVATORY	W1/60	14.45	13.38	1.07	7.40
R1/60	CONSERVATORY	W2/60	53.77	51.87	1.90	3.53
R1/60	CONSERVATORY	W3/60	17.55	17.55	0.00	0.00
R1/60	CONSERVATORY	W4/60	72.92	70.65	2.27	3.11
R1/60	CONSERVATORY	W5/60	9.16	19.59	-10.43	-113.86
R1/60	CONSERVATORY	W6/60	74.47	74.20	0.27	0.36
R1/61	BEDROOM	W1/61	34.82	30.51	4.31	12.38
R1/62	BEDROOM	W1/62	85.50	84.71	0.79	0.92
57 Norcutt Road						
R1/70	CONSERVATORY	W1/70	5.84	20.01	-14.17	-242.64
R1/70	CONSERVATORY	W2/70	71.67	74.39	-2.72	-3.80
R1/70	CONSERVATORY	W3/70	8.98	18.89	-9.91	-110.36
R1/70	CONSERVATORY	W4/70	68.07	71.06	-2.99	-4.39
R1/70	CONSERVATORY	W5/70	11.24	13.37	-2.13	-18.95
R1/70	CONSERVATORY	W6/70	51.20	52.18	-0.98	-1.91
R1/71	BEDROOM	W1/71	34.85	30.53	4.32	12.40
R1/72	BEDROOM	W1/72	85.53	84.76	0.77	0.90
55 Norcutt Road						
R1/80	CONSERVATORY_ASSUMED	W1/80	11.65	13.21	-1.56	-13.39
R1/80	CONSERVATORY_ASSUMED	W2/80	50.65	52.02	-1.37	-2.70
R1/80	CONSERVATORY_ASSUMED	W3/80	9.15	18.81	-9.66	-105.57
R1/80	CONSERVATORY_ASSUMED	W4/80	64.74	70.88	-6.14	-9.48
R1/80	CONSERVATORY_ASSUMED	W5/80	3.16	19.87	-16.71	-528.80

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/80	CONSERVATORY_ASSUMED	W6/80	63.67	74.29	-10.62	-16.68
R1/81	BEDROOM_ASSUMED	W1/81	34.92	30.51	4.41	12.63
R1/82	BEDROOM_ASSUMED	W1/82	85.59	84.78	0.81	0.95
53 Norcutt Road						
R1/90	CONSERVATORY	W1/90	2.85	19.71	-16.86	-591.58
R1/90	CONSERVATORY	W2/90	63.07	74.19	-11.12	-17.63
R1/90	CONSERVATORY	W3/90	8.25	19.20	-10.95	-132.73
R1/90	CONSERVATORY	W4/90	63.60	70.81	-7.21	-11.34
R1/90	CONSERVATORY	W5/90	49.65	51.86	-2.21	-4.45
R1/90	CONSERVATORY	W6/90	11.37	13.98	-2.61	-22.96
R1/91	BEDROOM	W1/91	35.00	30.55	4.45	12.71
R1/92	BEDROOM	W1/92	85.62	84.80	0.82	0.96
51 Norcutt Road						
R1/100	CONSERVATORY_ASSUMED	W1/100	11.56	14.01	-2.45	-21.19
R1/100	CONSERVATORY_ASSUMED	W2/100	49.78	52.19	-2.41	-4.84
R1/100	CONSERVATORY_ASSUMED	W3/100	8.41	19.51	-11.10	-131.99
R1/100	CONSERVATORY_ASSUMED	W4/100	62.48	70.21	-7.73	-12.37
R1/100	CONSERVATORY_ASSUMED	W5/100	2.32	20.26	-17.94	-773.28
R1/100	CONSERVATORY_ASSUMED	W6/100	58.44	70.04	-11.60	-19.85
R1/101	BEDROOM_ASSUMED	W1/101	35.06	30.79	4.27	12.18
R1/102	BEDROOM_ASSUMED	W1/102	85.14	84.31	0.83	0.97
49 Norcutt Road						
R1/110	KD	W1/110	12.83	13.29	-0.46	-3.59
R1/110	KD	W4/110	20.44	21.21	-0.77	-3.77
R1/111	BEDROOM	W1/111	35.89	32.29	3.60	10.03
R1/112	BEDROOM	W1/112	35.55	34.45	1.10	3.09
R1/112	BEDROOM	W2/112	89.30	89.30	0.00	0.00
R1/112	BEDROOM	W3/112	89.30	89.30	0.00	0.00
47 Norcutt Road						
R1/120	ASSUMED	W1/120	19.01	21.76	-2.75	-14.47
R1/120	ASSUMED	W2/120	15.41	16.24	-0.83	-5.39

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R2/120	KITCHEN_ASSUMED	W3/120	14.43	15.15	-0.72	-4.99
R1/121	BEDROOM_ASSUMED	W1/121	36.00	31.92	4.08	11.33
45 Norcutt Road						
R1/130	KITCHEN_ASSUMED	W1/130	14.28	14.88	-0.60	-4.20
R2/130	ASSUMED	W2/130	8.55	8.80	-0.25	-2.92
R2/130	ASSUMED	W3/130	10.28	11.20	-0.92	-8.95
R2/130	ASSUMED	W4/130	10.61	13.52	-2.91	-27.43
R1/131	BEDROOM_ASSUMED	W1/131	36.13	31.97	4.16	11.51
43 Norcutt Road						
R1/140	ASSUMED	W1/140	17.03	18.78	-1.75	-10.28
R1/140	ASSUMED	W2/140	13.82	14.41	-0.59	-4.27
R2/140	KITCHEN_ASSUMED	W3/140	18.02	18.67	-0.65	-3.61
R1/141	BEDROOM_ASSUMED	W1/141	36.34	32.34	4.00	11.01
41 Norcutt Road						
R1/150	KITCHEN_ASSUMED	W1/150	17.78	18.50	-0.72	-4.05
R2/150	ASSUMED	W2/150	13.88	14.72	-0.84	-6.05
R2/150	ASSUMED	W3/150	17.04	19.36	-2.32	-13.62
R1/151	BEDROOM_ASSUMED	W1/151	36.18	32.25	3.93	10.86
39 Norcutt Road						
R1/160	ASSUMED	W1/160	17.27	19.93	-2.66	-15.40
R1/160	ASSUMED	W2/160	14.01	14.88	-0.87	-6.21
R2/160	KITCHEN_ASSUMED	W3/160	17.92	18.95	-1.03	-5.75
R1/161	BEDROOM_ASSUMED	W1/161	35.99	32.16	3.83	10.64
37 Norcutt Road						
R1/170	ASSUMED	W2/170	13.88	14.48	-0.60	-4.32
R1/170	ASSUMED	W3/170	16.97	18.79	-1.82	-10.72
R2/170	KITCHEN_ASSUMED	W1/170	17.77	18.56	-0.79	-4.45

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/171	BEDROOM_ASSUMED	W1/171	35.87	32.27	3.60	10.04
35 Norcutt Road						
R2/180	KITCHEN_ASSUMED	W4/180	17.70	18.86	-1.16	-6.55
R3/180	ASSUMED	W2/180	9.46	23.53	-14.07	-148.73
R3/180	ASSUMED	W3/180	16.83	17.72	-0.89	-5.29
R1/181	BEDROOM_ASSUMED	W1/181	36.04	32.89	3.15	8.74
33 Norcutt Road						
R1/190	KITCHEN	W1/190	23.46	25.22	-1.76	-7.50
R1/190	KITCHEN	W2/190	20.18	22.16	-1.98	-9.81
R1/191	BEDROOM	W1/191	35.85	33.06	2.79	7.78
31 Norcutt Road						
R1/200	ASSUMED	W1/200	14.44	25.65	-11.21	-77.63
R1/200	ASSUMED	W2/200	15.67	26.10	-10.43	-66.56
R2/200	KITCHEN_ASSUMED	W3/200	14.76	15.68	-0.92	-6.23
R1/201	BEDROOM_ASSUMED	W1/201	35.49	33.22	2.27	6.40
R1/202	ASSUMED	W1/202	87.63	87.68	-0.05	-0.06
29 Norcutt Road						
R1/210	KITCHEN_ASSUMED	W1/210	16.01	16.76	-0.75	-4.68
R2/210	ASSUMED	W2/210	11.76	12.16	-0.40	-3.40
R2/210	ASSUMED	W3/210	13.80	25.04	-11.24	-81.45
R1/211	BEDROOM_ASSUMED	W1/211	35.15	33.31	1.84	5.23
R1/212	ASSUMED	W1/212	87.63	87.81	-0.18	-0.21
27 Norcutt Road						
R1/220	ASSUMED	W1/220	14.14	25.06	-10.92	-77.23
R1/220	ASSUMED	W2/220	14.71	15.17	-0.46	-3.13
R2/220	KITCHEN_ASSUMED	W3/220	16.49	17.51	-1.02	-6.19
R1/221	BEDROOM_ASSUMED	W1/221	34.41	33.22	1.19	3.46

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
25 Norcutt Road						
R1/230	KITCHEN_ASSUMED	W1/230	15.19	16.19	-1.00	-6.58
R1/230	KITCHEN_ASSUMED	W2/230	15.21	15.89	-0.68	-4.47
R1/231	BEDROOM_ASSUMED	W1/231	32.92	33.31	-0.39	-1.18
23 Norcutt Road						
R2/240	KITCHEN	W2/240	9.30	10.14	-0.84	-9.03
R1/241	BEDROOM	W1/241	31.82	33.44	-1.62	-5.09
21 Norcutt Road						
R1/250	KITCHEN_ASSUMED	W1/250	13.85	24.02	-10.17	-73.43
R1/250	KITCHEN_ASSUMED	W2/250	60.73	63.02	-2.29	-3.77
R1/250	KITCHEN_ASSUMED	W3/250	18.04	26.37	-8.33	-46.18
R1/252	BEDROOM_ASSUMED	W1/252	33.99	35.80	-1.81	-5.33
19 Norcutt Road						
R1/260	KITCHEN	W1/260	15.09	23.79	-8.70	-57.65
R1/260	KITCHEN	W2/260	56.15	57.77	-1.62	-2.89
R1/260	KITCHEN	W3/260	13.41	24.46	-11.05	-82.40
R1/260	KITCHEN	W4/260	15.95	24.86	-8.91	-55.86
R1/262	BEDROOM	W1/262	34.83	36.83	-2.00	-5.74
17 Norcutt Road						
R1/270	KITCHEN_ASSUMED	W1/270	12.14	24.35	-12.21	-100.58
R1/270	KITCHEN_ASSUMED	W2/270	25.47	29.80	-4.33	-17.00
R1/271	BEDROOM_ASSUMED	W1/271	30.20	33.01	-2.81	-9.30
15 Norcutt Road						
R1/280	KITCHEN	W1/280	6.97	26.92	-19.95	-286.23
R1/280	KITCHEN	W2/280	67.36	69.73	-2.37	-3.52
R1/280	KITCHEN	W3/280	7.57	27.05	-19.48	-257.33
R1/282	BEDROOM	W1/282	36.38	38.02	-1.64	-4.51
13 Norcutt Road						

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/290	LKD	W1/290	17.70	20.44	-2.74	-15.48
R1/290	LKD	W2/290	24.08	27.21	-3.13	-13.00
R1/292	BEDROOM	W1/292	35.91	37.59	-1.68	-4.68
R1/292		W2/292	86.46	86.46	0.00	0.00
11 Norcutt Road						
R2/300	KITCHEN_ASSUMED	W5/300	12.35	13.54	-1.19	-9.64
R3/300	ASSUMED	W2/300	22.98	29.88	-6.90	-30.03
R3/300	ASSUMED	W3/300	21.11	29.67	-8.56	-40.55
R3/300	ASSUMED	W4/300	9.75	9.75	0.00	0.00
R1/301	BEDROOM_ASSUMED	W1/301	2.20	2.23	-0.03	-1.36
R1/301	BEDROOM_ASSUMED	W2/301	32.42	34.90	-2.48	-7.65
9 Norcutt Road						
R1/310	KITCHEN_ASSUMED	W1/310	10.73	11.75	-1.02	-9.51
R2/310	ASSUMED	W2/310	20.19	29.90	-9.71	-48.09
R1/311	ASSUMED	W1/311	32.65	34.70	-2.05	-6.28
R1/311	ASSUMED	W2/311	33.12	34.71	-1.59	-4.80
R1/312	BEDROOM_ASSUMED	W1/312	37.50	38.45	-0.95	-2.53
7 Norcutt Road						
R1/320	KITCHEN	W3/320	20.60	29.57	-8.97	-43.54
R1/320	KITCHEN	W4/320	18.29	26.93	-8.64	-47.24
R1/320	KITCHEN	W5/320	22.43	25.88	-3.45	-15.38
R1/322	BEDROOM	W1/322	85.73	85.73	0.00	0.00
R1/322	BEDROOM	W2/322	37.77	38.50	-0.73	-1.93
R1/322	BEDROOM	W3/322	37.48	38.18	-0.70	-1.87
5 Norcutt Road						
R1/330	LKD_ASSUMED	W1/330	28.60	30.65	-2.05	-7.17
R1/330	LKD_ASSUMED	W2/330	53.56	53.82	-0.26	-0.49
R1/330	LKD_ASSUMED	W3/330	29.46	30.57	-1.11	-3.77
R1/330	LKD_ASSUMED	W4/330	30.80	31.18	-0.38	-1.23
R1/331	BEDROOM_ASSUMED	W1/331	33.52	33.69	-0.17	-0.51
3 Norcutt Road						

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/340	KD	W1/340	27.29	25.06	2.23	8.17
R1/340	KD	W2/340	29.40	28.14	1.26	4.29
R1/341	BEDROOM	W1/341	35.70	35.48	0.22	0.62
R1/342	BEDROOM	W1/342	38.58	38.78	-0.20	-0.52
R1/342	BEDROOM	W2/342	38.67	38.78	-0.11	-0.28
R1/342	BEDROOM	W3/342	88.17	88.17	0.00	0.00
1 Norcutt Road						
R1/350	KD	W1/350	34.61	33.43	1.18	3.41
R1/350	KD	W2/350	32.97	32.54	0.43	1.30
R2/350	PLAYROOM	W3/350	26.96	25.83	1.13	4.19
R1/351	BEDROOM	W1/351	15.08	14.27	0.81	5.37
R2/351	BEDROOM	W2/351	37.64	37.01	0.63	1.67
71 Edwin Road						
R2/360	ASSUMED_LIVINGROOM	W2/360	26.16	25.99	0.17	0.65
R1/361	BEDROOM_ASSUMED	W1/361	19.15	18.95	0.20	1.04
R1/361	BEDROOM_ASSUMED	W2/361	24.19	23.99	0.20	0.83
50 Edwin Road						
R1/1040	ASSUMED_KITCHEN	W2/1040	16.67	6.07	10.60	63.59
R1/1040	ASSUMED_KITCHEN	W3/1040	24.52	22.04	2.48	10.11
R1/1040	ASSUMED_KITCHEN	W4/1040	25.72	25.31	0.41	1.59
R1/1041	ASSUMED	W1/1041	36.47	34.11	2.36	6.47
R1/1060	ASSUMED_LIVINGROOM	W1/1060	18.38	11.38	7.00	38.08
R1/1061	ASSUMED	W1/1061	30.63	24.25	6.38	20.83
52 Edwin Road						
R1/1050	LIVINGROOM	W1/1050	32.44	30.22	2.22	6.84
R1/1050	LIVINGROOM	W2/1050	52.43	52.32	0.11	0.21
R1/1051	ASSUMED	W1/1051	36.52	34.61	1.91	5.23
R1/1052	ASSUMED	W1/1052	38.45	38.10	0.35	0.91

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/1052	ASSUMED	W2/1052	30.85	30.82	0.03	0.10
R1/1071	ASSUMED	W1/1071	24.78	24.42	0.36	1.45
R1/1072	ASSUMED	W1/1072	28.96	28.72	0.24	0.83
2 Crane Road						
R1/1030	ASSUMED_DINING	W1/1030	23.38	23.33	0.05	0.21
R2/1030	ASSUMED_KITCHEN	W2/1030	26.56	26.55	0.01	0.04
R2/1030	ASSUMED_KITCHEN	W3/1030	31.77	31.75	0.02	0.06
4 Crane Road						
R1/1020	ASSUMED_KD	W1/1020	31.69	31.46	0.23	0.73
R1/1020	ASSUMED_KD	W2/1020	77.46	77.19	0.27	0.35
R1/1020	ASSUMED_KD	W3/1020	69.29	69.06	0.23	0.33
R1/1020	ASSUMED_KD	W4/1020	49.13	48.97	0.16	0.33
R1/1020	ASSUMED_KD	W5/1020	35.44	35.36	0.08	0.23
R1/1020	ASSUMED_KD	W6/1020	53.89	53.89	0.00	0.00
R1/1020	ASSUMED_KD	W7/1020	74.26	74.26	0.00	0.00
6 Crane Road						
R1/1010	ASSUMED_DINING	W1/1010	13.93	13.93	0.00	0.00
R2/1010	ASSUMED_KITCHEN	W2/1010	6.60	6.60	0.00	0.00
R2/1010	ASSUMED_KITCHEN	W3/1010	11.03	11.03	0.00	0.00
R2/1010	ASSUMED_KITCHEN	W4/1010	28.97	28.76	0.21	0.72
R2/1010	ASSUMED_KITCHEN	W5/1010	23.68	23.52	0.16	0.68
8 Crane Road						
R1/1000	KD	W1/1000	32.72	32.12	0.60	1.83
R1/1000	KD	W2/1000	68.23	68.11	0.12	0.18
R1/1000	KD	W3/1000	72.75	72.66	0.09	0.12
R1/1000	KD	W4/1000	33.52	33.49	0.03	0.09
10 Crane Road						
R1/990	KD	W1/990	31.96	31.23	0.73	2.28
R1/990	KD	W2/990	33.76	33.71	0.05	0.15
R1/990	KD	W3/990	71.25	71.09	0.16	0.22
R1/990	KD	W4/990	66.10	65.96	0.14	0.21
12 Crane Road						

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/970	ASSUMED_KITCHEN	W1/970	9.89	9.89	0.00	0.00
R1/970	ASSUMED_KITCHEN	W2/970	17.80	17.55	0.25	1.40
R1/970	ASSUMED_KITCHEN	W3/970	31.97	30.94	1.03	3.22
R1/980	ASSUMED_DINING	W1/980	13.39	13.02	0.37	2.76
14 Crane Road						
R1/960	KITCHEN/GARDEN_ROOM	W1/960	32.70	31.41	1.29	3.94
R1/960	KITCHEN/GARDEN_ROOM	W2/960	56.01	55.55	0.46	0.82
R1/960	KITCHEN/GARDEN_ROOM	W3/960	67.30	66.81	0.49	0.73
R1/960	KITCHEN/GARDEN_ROOM	W4/960	33.22	33.12	0.10	0.30
R1/960	KITCHEN/GARDEN_ROOM	W5/960	48.72	48.59	0.13	0.27
R1/960	KITCHEN/GARDEN_ROOM	W6/960	68.09	67.95	0.14	0.21
R1/960	KITCHEN/GARDEN_ROOM	W7/960	73.46	73.30	0.16	0.22
16 Crane Road						
R1/940	KITCHEN	W1/940	31.24	29.88	1.36	4.35
R1/940	KITCHEN	W2/940	13.84	13.63	0.21	1.52
R1/950	DINING	W1/950	15.92	15.55	0.37	2.32
18 Crane Road						
R1/930	ASSUMED_DINING	W2/930	15.48	15.12	0.36	2.33
R2/930	ASSUMED_KITCHEN	W3/930	11.52	11.28	0.24	2.08
R2/930	ASSUMED_KITCHEN	W5/930	7.73	7.55	0.18	2.33
R3/930	ASSUMED_KITCHEN	W1/930	34.31	32.45	1.86	5.42
R3/930	ASSUMED_KITCHEN	W4/930	19.09	18.77	0.32	1.68
20 Crane Road						
R1/920	ASSUMED_KITCHEN	W2/920	31.25	30.01	1.24	3.97
R1/920	ASSUMED_KITCHEN	W3/920	16.00	15.71	0.29	1.81
R2/920	ASSUMED_DINING	W1/920	20.05	19.37	0.68	3.39
22 Crane Road						
R1/910	KITCHEN	W1/910	32.97	31.37	1.60	4.85
R1/910	KITCHEN	W2/910	33.59	31.79	1.80	5.36
R1/910	KITCHEN	W3/910	59.26	59.00	0.26	0.44
24 Crane Road						

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/900	ASSUMED_RESI	W4/900	34.13	32.25	1.88	5.51
R1/900	ASSUMED_RESI	W5/900	24.33	23.87	0.46	1.89
R2/900	ASSUMED_RESI	W2/900	9.37	9.22	0.15	1.60
R2/900	ASSUMED_RESI	W3/900	16.38	16.13	0.25	1.53
R3/900	ASSUMED_RESI	W1/900	14.56	13.98	0.58	3.98
26 Crane Road						
R1/890	ASSUMED_RESI	W2/890	13.73	13.61	0.12	0.87
R2/890	ASSUMED_RESI	W4/890	15.99	15.49	0.50	3.13
R3/890	ASSUMED_RESI	W1/890	32.39	30.68	1.71	5.28
R3/890	ASSUMED_RESI	W3/890	28.49	27.87	0.62	2.18
28 Crane Road						
R2/880	KITCHEN	W2/880	1.00	1.00	0.00	0.00
R2/880	KITCHEN	W3/880	8.68	8.62	0.06	0.69
R2/880	KITCHEN	W4/880	16.23	15.73	0.50	3.08
R4/880	DINING	W1/880	12.42	12.06	0.36	2.90
30 Crane Road						
R1/870	LD	W1/870	31.08	29.43	1.65	5.31
R1/870	LD	W2/870	38.97	38.78	0.19	0.49
R1/870	LD	W3/870	55.53	55.17	0.36	0.65
R1/870	LD	W4/870	74.93	74.47	0.46	0.61
R1/870	LD	W5/870	69.51	69.52	-0.01	-0.01
32 Crane Road						
R1/860	LKD	W1/860	31.14	29.44	1.70	5.46
R1/860	LKD	W2/860	54.58	54.27	0.31	0.57
R1/860	LKD	W3/860	37.73	37.61	0.12	0.32
R1/860	LKD	W4/860	74.79	74.11	0.68	0.91
R1/860	LKD	W5/860	67.99	68.00	-0.01	-0.01
34 Crane Road						
R1/850	KITCHEN_ASSUMED	W1/850	33.39	31.13	2.26	6.77
R1/850	KITCHEN_ASSUMED	W2/850	21.00	20.60	0.40	1.90
R1/850	KITCHEN_ASSUMED	W3/850	74.20	73.53	0.67	0.90
R1/850	KITCHEN_ASSUMED	W4/850	76.80	75.99	0.81	1.05
R1/850	KITCHEN_ASSUMED	W5/850	5.77	5.74	0.03	0.52

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R2/850	DINING_ASSUMED	W6/850	12.64	12.35	0.29	2.29
36 Crane Road						
R1/840	KITCHEN	W2/840	16.05	15.83	0.22	1.37
R1/840	KITCHEN	W3/840	26.79	26.34	0.45	1.68
R1/840	KITCHEN	W4/840	33.44	31.02	2.42	7.24
R1/840	KITCHEN	W5/840	21.07	20.92	0.15	0.71
R1/840	KITCHEN	W6/840	22.32	22.00	0.32	1.43
R2/840	LIVINGROOM	W1/840	13.24	12.96	0.28	2.11
38 Crane Road						
R1/430	KITCHEN_ASSUMED	W1/430	7.34	7.15	0.19	2.59
R1/430	KITCHEN_ASSUMED	W2/430	12.57	12.32	0.25	1.99
R1/430	KITCHEN_ASSUMED	W4/430	26.58	25.07	1.51	5.68
R1/440	DININGROOM_ASSUMED	W1/440	13.42	12.82	0.60	4.47
R1/441	BEDROOM_ASSUMED	W1/441	29.42	28.93	0.49	1.67
40 Crane Road						
R1/450	ASSUMED	W1/450	33.95	31.26	2.69	7.92
R1/450	ASSUMED	W2/450	24.69	23.34	1.35	5.47
R2/450	KITCHEN_ASSUMED	W3/450	15.78	15.46	0.32	2.03
R2/450	KITCHEN_ASSUMED	W4/450	9.82	9.67	0.15	1.53
R1/451	ASSUMED	W1/451	36.41	34.82	1.59	4.37
R2/451	ASSUMED	W2/451	17.72	17.61	0.11	0.62
R1/460	DININGROOM_ASSUMED	W1/460	15.36	14.96	0.40	2.60
R1/461	BEDROOM_ASSUMED	W1/461	28.62	28.45	0.17	0.59
42 Crane Road						
R1/470	DININGROOM_ASSUMED	W1/470	14.54	14.16	0.38	2.61
R1/471	BEDROOM_ASSUMED	W1/471	29.14	28.82	0.32	1.10
R1/480	KITCHEN_ASSUMED	W1/480	9.17	9.07	0.10	1.09
R1/480	KITCHEN_ASSUMED	W2/480	15.50	15.30	0.20	1.29
R1/480	KITCHEN_ASSUMED	W3/480	33.44	31.03	2.41	7.21

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/480	KITCHEN_ASSUMED	W4/480	30.16	28.86	1.30	4.31
R2/481	BEDROOM_ASSUMED	W2/481	36.30	34.59	1.71	4.71
44 Crane Road						
R1/490	LKD	W1/490	32.73	30.31	2.42	7.39
R1/490	LKD	W2/490	13.76	13.46	0.30	2.18
R1/490	LKD	W3/490	8.97	8.78	0.19	2.12
R1/490	LKD	W4/490	31.32	31.32	0.00	0.00
R1/490	LKD	W5/490	13.88	13.41	0.47	3.39
R1/490	LKD	W6/490	25.32	25.32	0.00	0.00
R1/490	LKD	W7/490	31.33	31.33	0.00	0.00
R1/491	BEDROOM	W1/491	36.25	34.47	1.78	4.91
R1/501	BEDROOM	W1/501	29.71	29.22	0.49	1.65
46 Crane Road						
R1/510	KITCHEN_ASSUMED	W1/510	11.74	11.57	0.17	1.45
R1/510	KITCHEN_ASSUMED	W2/510	17.38	16.98	0.40	2.30
R1/510	KITCHEN_ASSUMED	W3/510	79.82	78.28	1.54	1.93
R1/510	KITCHEN_ASSUMED	W4/510	32.15	29.10	3.05	9.49
R1/510	KITCHEN_ASSUMED	W5/510	32.41	29.45	2.96	9.13
R1/510	KITCHEN_ASSUMED	W6/510	77.22	75.65	1.57	2.03
R2/511	BEDROOM_ASSUMED	W2/511	36.09	34.03	2.06	5.71
R1/520	DININGROOM_ASSUMED	W2/520	14.44	14.06	0.38	2.63
R1/521	BEDROOM_ASSUMED	W2/521	26.77	26.63	0.14	0.52
48 Crane Road						
R1/530	KITCHEN_ASSUMED	W1/530	78.54	76.89	1.65	2.10
R1/530	KITCHEN_ASSUMED	W2/530	29.54	26.70	2.84	9.61
R1/530	KITCHEN_ASSUMED	W3/530	82.47	80.73	1.74	2.11
R1/530	KITCHEN_ASSUMED	W4/530	28.73	26.71	2.02	7.03
R1/530	KITCHEN_ASSUMED	W5/530	51.47	50.69	0.78	1.52
R1/530	KITCHEN_ASSUMED	W6/530	38.78	38.58	0.20	0.52
R1/531	BEDROOM_ASSUMED	W1/531	35.97	33.72	2.25	6.26
R1/532	BEDROOM_ASSUMED	W1/532	38.12	36.95	1.17	3.07
R1/532	BEDROOM_ASSUMED	W2/532	30.85	28.55	2.30	7.46
R1/541	BEDROOM_ASSUMED	W1/541	23.82	22.91	0.91	3.82

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/542	BEDROOM_ASSUMED	W1/542	32.23	30.97	1.26	3.91
50 Crane Road						
R1/550	KD	W1/550	0.58	0.58	0.00	0.00
R1/550	KD	W2/550	70.06	69.60	0.46	0.66
R1/550	KD	W3/550	77.62	77.11	0.51	0.66
R1/550	KD	W4/550	31.03	27.51	3.52	11.34
R1/550	KD	W5/550	73.30	70.76	2.54	3.47
R1/550	KD	W6/550	59.83	57.54	2.29	3.83
R1/551	BEDROOM_ASSUMED	W1/551	35.72	32.99	2.73	7.64
R1/560	LIVINGROOM	W1/560	9.41	9.41	0.00	0.00
R1/560	LIVINGROOM	W2/560	18.61	18.61	0.00	0.00
R1/561	BEDROOM_ASSUMED	W1/561	25.75	25.58	0.17	0.66
52 Crane Road						
R1/570	KITCHEN_ASSUMED	W1/570	27.08	23.76	3.32	12.26
R1/570	KITCHEN_ASSUMED	W2/570	31.72	28.04	3.68	11.60
R1/570	KITCHEN_ASSUMED	W3/570	13.41	11.98	1.43	10.66
R1/570	KITCHEN_ASSUMED	W4/570	8.88	8.27	0.61	6.87
R1/571	BEDROOM	W1/571	35.48	32.39	3.09	8.71
R1/580	DININGROOM_ASSUMED	W1/580	13.67	12.61	1.06	7.75
R1/581	BEDROOM_ASSUMED	W1/581	29.85	28.09	1.76	5.90
R1/582	BEDROOM_ASSUMED	W1/582	85.98	84.51	1.47	1.71
54 Crane Road						
R1/590	CONSERVATORY_ASSUMED	W1/590	71.24	70.34	0.90	1.26
R1/590	CONSERVATORY_ASSUMED	W2/590	17.08	16.89	0.19	1.11
R1/590	CONSERVATORY_ASSUMED	W3/590	29.74	25.92	3.82	12.84
R1/590	CONSERVATORY_ASSUMED	W4/590	63.59	59.16	4.43	6.97
R1/600	KITCHEN_ASSUMED	W1/600	14.08	13.79	0.29	2.06
R1/601	BEDROOM_ASSUMED	W1/601	34.80	30.98	3.82	10.98
R1/610	DININGROOM_ASSUMED	W1/610	13.64	12.88	0.76	5.57
R1/611	BEDROOM_ASSUMED	W1/611	28.70	28.28	0.42	1.46

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
56 Crane Road						
R1/620	KD	W1/620	69.56	66.79	2.77	3.98
R1/620	KD	W2/620	24.64	21.39	3.25	13.19
R1/620	KD	W3/620	70.21	64.79	5.42	7.72
R1/620	KD	W4/620	44.43	41.34	3.09	6.95
R1/620	KD	W5/620	34.40	31.90	2.50	7.27
R1/621	BEDROOM_ASSUMED	W1/621	33.89	29.67	4.22	12.45
R1/631	BEDROOM_ASSUMED	W1/631	27.36	23.17	4.19	15.31
R2/632	BEDROOM_ASSUMED	W2/632	37.51	33.69	3.82	10.18
58 Crane Road						
R2/640	KD	W1/640	12.96	11.59	1.37	10.57
R2/640	KD	W2/640	37.12	36.56	0.56	1.51
R2/640	KD	W3/640	39.08	38.84	0.24	0.61
R2/641	KD_ASSUMED	W2/641	23.54	23.33	0.21	0.89
R3/641	BEDROOM_ASSUMED	W1/641	26.87	25.03	1.84	6.85
R1/642	ASSUMED	W2/642	34.56	24.02	10.54	30.50
R2/642	BEDROOM_ASSUMED	W1/642	36.45	30.07	6.38	17.50
4 Gould Road						
R1/670	CONSERVATORY	W1/670	21.75	18.19	3.56	16.37
R1/670	CONSERVATORY	W2/670	76.57	73.77	2.80	3.66
R1/670	CONSERVATORY	W3/670	32.31	30.27	2.04	6.31
R1/680	DINING	W1/680	17.15	16.94	0.21	1.22
R2/680	KITCHEN	W2/680	12.90	11.99	0.91	7.05
R2/680	KITCHEN	W3/680	19.90	16.70	3.20	16.08
R1/681	BEDROOM	W1/681	30.37	28.95	1.42	4.68
6 Gould Road						
R1/700	KITCHEN	W1/700	29.66	28.29	1.37	4.62
R1/700	KITCHEN	W2/700	35.20	33.23	1.97	5.60
R1/700	KITCHEN	W3/700	30.09	28.88	1.21	4.02
R1/700	KITCHEN	W4/700	8.21	8.13	0.08	0.97

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R1/710	LD	W1/710	14.75	14.17	0.58	3.93
R1/710	LD	W2/710	31.74	31.73	0.01	0.03
R1/710	LD	W3/710	31.57	31.57	0.00	0.00
R1/711	BEDROOM	W1/711	18.82	18.31	0.51	2.71
R1/712	BEDROOM	W1/712	97.10	97.10	0.00	0.00
R1/712	BEDROOM	W2/712	26.91	26.91	0.00	0.00
R1/712	BEDROOM	W3/712	87.18	87.18	0.00	0.00
R1/712	BEDROOM	W4/712	87.06	87.06	0.00	0.00
8 Gould Road						
R1/720	KD	W1/720	28.10	28.10	0.00	0.00
R1/720	KD	W2/720	41.28	40.84	0.44	1.07
R1/720	KD	W3/720	34.44	32.78	1.66	4.82
R1/720	KD	W4/720	32.07	30.50	1.57	4.90
R1/720	KD	W5/720	34.09	32.08	2.01	5.90
R1/721	BEDROOM	W1/721	38.07	36.84	1.23	3.23
R1/722	BEDROOM_ASSUMED	W1/722	39.21	38.77	0.44	1.12
R1/731	BEDROOM	W1/731	19.75	19.40	0.35	1.77
R1/732	BEDROOM_ASSUMED	W1/732	30.27	30.26	0.01	0.03
10 Gould Road						
R1/740	KITCHEN_ASSUMED	W1/740	34.09	32.70	1.39	4.08
R1/740	KITCHEN_ASSUMED	W2/740	13.27	13.20	0.07	0.53
R1/740	KITCHEN_ASSUMED	W3/740	11.06	11.00	0.06	0.54
R2/740	DINING_ASSUMED	W4/740	15.95	15.31	0.64	4.01
R1/751	BEDROOM_ASSUMED	W1/751	30.27	29.92	0.35	1.16
12 Gould Road						
R1/760	DINING_ASSUMED	W1/760	16.00	15.47	0.53	3.31
R2/760	KITCHEN_ASSUMED	W2/760	11.14	11.02	0.12	1.08
R2/760	KITCHEN_ASSUMED	W3/760	13.31	13.20	0.11	0.83
R2/760	KITCHEN_ASSUMED	W4/760	35.00	33.31	1.69	4.83
R1/761	BEDROOM_ASSUMED	W1/761	30.68	30.16	0.52	1.69

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
14 Gould Road						
R1/780	KITCHEN_ASSUMED	W1/780	31.42	30.86	0.56	1.78
R1/780	KITCHEN_ASSUMED	W2/780	39.33	39.33	0.00	0.00
R1/781	BEDROOM	W1/781	37.27	36.52	0.75	2.01
R2/782	BEDROOM	W2/782	29.07	29.07	0.00	0.00
R2/782	BEDROOM	W3/782	84.39	84.40	-0.01	-0.01
R2/782	BEDROOM	W4/782	87.25	87.27	-0.02	-0.02
32 Gould Road, Crane Mews						
R1/800		W1/800	29.48	29.07	0.41	1.39
R2/800		W2/800	17.71	16.63	1.08	6.10
R2/800		W3/800	38.88	38.88	0.00	0.00
R1/801		W1/801	32.68	32.28	0.40	1.22
R2/801		W2/801	38.87	38.87	0.00	0.00
3 Mereway Cottages, Mereway Road						
R1/810	ASSUMED	w1/810	75.35	75.16	0.19	0.25
R1/810	ASSUMED	W2/810	24.22	22.75	1.47	6.07
R1/810	ASSUMED	W3/810	21.23	19.93	1.30	6.12
R1/810	ASSUMED	W4/810	32.29	31.81	0.48	1.49
R1/810	ASSUMED	W5/810	12.74	12.30	0.44	3.45
R1/810	ASSUMED	W6/810	86.79	86.79	0.00	0.00
R1/810	ASSUMED	W7/810	86.22	85.51	0.71	0.82
R2/810	ASSUMED	W8/810	33.25	32.06	1.19	3.58
R2/810	ASSUMED	W9/810	29.86	28.74	1.12	3.75
R2/810	ASSUMED	W12/810	84.00	83.52	0.48	0.57
R2/810	ASSUMED	W13/810	83.11	83.00	0.11	0.13
R3/810	ASSUMED	W10/810	19.65	18.83	0.82	4.17
R3/810	ASSUMED	W11/810	81.40	80.88	0.52	0.64
R3/810	ASSUMED	W14/810	86.01	85.47	0.54	0.63
R3/810	ASSUMED	W15/810	32.07	31.14	0.93	2.90
R4/810	BEDROOM	W16/810	35.31	34.27	1.04	2.95
R4/810	BEDROOM	W17/810	85.74	85.04	0.70	0.82
R6/810	BEDROOM	W19/810	31.25	30.52	0.73	2.34
R6/810	BEDROOM	W20/810	33.72	32.89	0.83	2.46
R6/810	BEDROOM	W21/810	34.47	33.62	0.85	2.47

Room	Room Use	Window	EXISTING VSC	PROPOSED VSC	LOSS VSC	%LOSS VSC
73 Norcutt Road, Alcott House						
R6/810	BEDROOM	W22/810	33.97	33.13	0.84	2.47
R1/820	ASSUMED	W1/820	34.39	34.47	-0.08	-0.23
R1/820	ASSUMED	W2/820	34.56	34.74	-0.18	-0.52
R1/820	ASSUMED	W3/820	30.87	30.98	-0.11	-0.36
R1/820	ASSUMED	W4/820	30.18	30.36	-0.18	-0.60
R1/820	ASSUMED	W5/820	29.69	29.77	-0.08	-0.27
R1/830	ASSUMED	W1/830	26.87	27.10	-0.23	-0.86
R1/830	ASSUMED	W2/830	25.75	26.12	-0.37	-1.44



Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
73 Norcutt Road, Alcott House							
R1/10	LK_ASSUMED	FLAT_2	231.4	56.3	53.6	2.6	4.6
R2/10	BEDROOM_ASSUMED	FLAT_2	146.8	63.4	51.0	12.4	19.6
R3/10	BEDROOM_ASSUMED	FLAT_1	121.7	116.1	73.0	43.1	37.1
R4/10	BEDROOM_ASSUMED	FLAT_1	77.2	75.6	61.7	13.9	18.4
R5/10	BEDROOM_ASSUMED	FLAT_1	109.5	85.4	98.7	-13.3	-15.6
R6/10	LK_ASSUMED	FLAT_1	218.3	207.6	205.8	1.8	0.9
R7/10	BEDROOM_ASSUMED	FLAT_1	160.6	123.9	123.9	0.0	0.0
R8/10	BEDROOM_ASSUMED	FLAT_3	150.5	123.9	123.9	0.0	0.0
R9/10	LK_ASSUMED	FLAT_3	264.2	261.7	261.7	0.0	0.0
R1/11	LOUNGE	FLAT_6	178.7	176.6	176.4	0.2	0.1
R2/11	KITCHEN	FLAT_6	88.6	31.4	31.4	0.0	0.0
R3/11	KITCHEN	FLAT_5	88.6	31.1	31.1	0.0	0.0
R4/11	LOUNGE	FLAT_5	178.7	177.8	149.4	28.4	16.0
R5/11	BEDROOM	FLAT_5	136.6	131.6	124.8	6.7	5.1
R6/11	BEDROOM	FLAT_4	98.3	97.3	97.3	0.0	0.0
R7/11	LIVINGROOM	FLAT_4	264.2	263.0	261.0	2.0	0.8
R8/11	BEDROOM	FLAT_4	145.4	141.2	141.2	0.0	0.0
R9/11	BEDROOM	FLAT_7	150.5	144.3	144.3	0.0	0.0
R10/11	LIVINGROOM	FLAT_7	264.2	263.0	263.0	0.0	0.0
R1/12	LOUNGE	FLAT_10	178.7	177.1	177.1	0.0	0.0
R2/12	KITCHEN	FLAT_10	88.6	48.2	48.2	0.0	0.0
R3/12	KITCHEN	FLAT_9	88.6	47.7	47.7	0.0	0.0
R4/12	LOUNGE	FLAT_9	178.7	177.0	166.2	10.8	6.1
R5/12	BEDROOM	FLAT_9	136.6	132.9	132.9	0.0	0.0
R6/12	BEDROOM	FLAT_8	98.3	97.3	97.3	0.0	0.0
R7/12	LIVINGROOM	FLAT_8	264.2	263.0	263.0	0.0	0.0
R8/12	BEDROOM	FLAT_8	145.4	141.2	141.2	0.0	0.0
R9/12	BEDROOM	FLAT_11	150.5	144.3	144.3	0.0	0.0
R10/12	LIVINGROOM	FLAT_11	264.2	263.0	263.0	0.0	0.0
65-71 Norcutt Road							
R2/20	CONSERVATORY		75.9	75.9	75.9	0.0	0.0
R1/21	BEDROOM_ASSUMED		106.6	102.9	102.9	0.0	0.0
R1/30	CONSERVATORY		76.2	76.2	76.2	0.0	0.0
R1/31	BEDROOM_ASSUMED		106.9	102.3	102.3	0.0	0.0
63 Norcutt Road							
R1/40	CONSERVATORY		76.0	76.0	76.0	0.0	0.0
R1/41	BEDROOM		115.9	109.7	109.7	0.0	0.0
R1/42	BEDROOM		245.0	231.1	231.1	0.0	0.0
61 Norcutt Road							
R1/50	CONSERVATORY_ASSUMED		75.0	75.0	75.0	0.0	0.0
R1/51	BEDROOM_ASSUMED		115.9	110.3	110.3	0.0	0.0
R1/52	BEDROOM_ASSUMED		245.0	230.8	230.8	0.0	0.0

Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
59 Norcutt Road							
R1/60	CONSERVATORY		75.0	75.0	75.0	0.0	0.0
R1/61	BEDROOM		115.9	110.1	110.1	0.0	0.0
R1/62	BEDROOM		245.0	230.9	230.9	0.0	0.0
57 Norcutt Road							
R1/70	CONSERVATORY		75.0	75.0	75.0	0.0	0.0
R1/71	BEDROOM		116.9	110.7	110.7	0.0	0.0
R1/72	BEDROOM		247.9	230.4	230.4	0.0	0.0
55 Norcutt Road							
R1/80	CONSERVATORY_ASSUMED		75.5	75.5	75.5	0.0	0.0
R1/81	BEDROOM_ASSUMED		115.9	109.7	109.7	0.0	0.0
R1/82	BEDROOM_ASSUMED		247.9	229.9	229.9	0.0	0.0
53 Norcutt Road							
R1/90	CONSERVATORY		75.1	75.1	75.1	0.0	0.0
R1/91	BEDROOM		116.9	110.7	110.7	0.0	0.0
R1/92	BEDROOM		247.9	230.2	230.2	0.0	0.0
51 Norcutt Road							
R1/100	CONSERVATORY_ASSUMED		75.1	75.1	75.1	0.0	0.0
R1/101	BEDROOM_ASSUMED		115.9	110.4	110.4	0.0	0.0
R1/102	BEDROOM_ASSUMED		247.9	229.9	229.9	0.0	0.0
49 Norcutt Road							
R1/110	KD		191.0	138.5	133.6	4.9	3.5
R1/111	BEDROOM		137.5	128.5	128.5	0.0	0.0
R1/112	BEDROOM		226.5	226.5	226.5	0.0	0.0
47 Norcutt Road							
R1/120	ASSUMED		96.8	91.1	91.1	0.0	0.0
R2/120	KITCHEN_ASSUMED		140.8	121.9	117.0	4.8	3.9
R1/121	BEDROOM_ASSUMED		86.8	81.5	81.5	0.0	0.0
45 Norcutt Road							
R1/130	KITCHEN_ASSUMED		144.9	102.4	99.8	2.6	2.5
R2/130	ASSUMED		85.4	63.8	57.3	6.5	10.2
R1/131	BEDROOM_ASSUMED		88.8	82.7	82.7	0.0	0.0

Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
43 Norcutt Road							
R1/140	ASSUMED		84.1	81.6	81.6	0.0	0.0
R2/140	KITCHEN_ASSUMED		142.7	129.1	129.1	0.0	0.0
R1/141	BEDROOM_ASSUMED		87.0	81.2	81.2	0.0	0.0
41 Norcutt Road							
R1/150	KITCHEN_ASSUMED		142.6	128.2	128.2	0.0	0.0
R2/150	ASSUMED		86.2	83.6	83.6	0.0	0.0
R1/151	BEDROOM_ASSUMED		87.0	81.4	81.4	0.0	0.0
39 Norcutt Road							
R1/160	ASSUMED		82.2	79.4	79.4	0.0	0.0
R2/160	KITCHEN_ASSUMED		142.9	129.2	129.2	0.0	0.0
R1/161	BEDROOM_ASSUMED		87.6	82.6	82.6	0.0	0.0
37 Norcutt Road							
R1/170	ASSUMED		82.1	79.7	79.7	0.0	0.0
R2/170	KITCHEN_ASSUMED		126.1	109.9	109.9	0.0	0.0
R1/171	BEDROOM_ASSUMED		87.3	82.3	82.3	0.0	0.0
35 Norcutt Road							
R2/180	KITCHEN_ASSUMED		122.3	101.1	109.1	-8.0	-7.9
R3/180	ASSUMED		72.2	54.9	69.3	-14.4	-26.2
R1/181	BEDROOM_ASSUMED		82.0	76.6	76.6	0.0	0.0
33 Norcutt Road							
R1/190	KITCHEN		131.7	127.0	129.0	-2.0	-1.6
R1/191	BEDROOM		88.9	83.9	83.9	0.0	0.0
31 Norcutt Road							
R1/200	ASSUMED		51.1	19.3	48.4	-29.1	-150.8
R2/200	KITCHEN_ASSUMED		121.6	88.7	100.0	-11.2	-12.6
R1/201	BEDROOM_ASSUMED		86.2	80.7	80.7	0.0	0.0
R1/202	ASSUMED		79.6	51.7	51.7	0.0	0.0
29 Norcutt Road							
R1/210	KITCHEN_ASSUMED		123.1	111.2	111.2	0.0	0.0
R2/210	ASSUMED		58.6	35.3	56.1	-20.8	-58.9
R1/211	BEDROOM_ASSUMED		122.8	117.2	117.2	0.0	0.0

Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R1/212	ASSUMED		81.8	44.2	44.2	0.0	0.0
27 Norcutt Road							
R1/220	ASSUMED		66.2	62.5	64.3	-1.8	-2.9
R2/220	KITCHEN_ASSUMED		126.1	97.2	112.4	-15.2	-15.6
R1/221	BEDROOM_ASSUMED		126.1	120.7	120.7	0.0	0.0
25 Norcutt Road							
R1/230	KITCHEN_ASSUMED		163.7	129.4	135.6	-6.2	-4.8
R1/231	BEDROOM_ASSUMED		118.5	114.3	114.3	0.0	0.0
23 Norcutt Road							
R2/240	KITCHEN		121.8	48.3	67.2	-18.9	-39.1
R1/241	BEDROOM		121.8	116.9	116.9	0.0	0.0
21 Norcutt Road							
R1/250	KITCHEN_ASSUMED		80.6	78.1	78.1	0.0	0.0
R1/252	BEDROOM_ASSUMED		124.0	123.6	123.6	0.0	0.0
19 Norcutt Road							
R1/260	KITCHEN		85.4	85.4	85.4	0.0	0.0
R1/262	BEDROOM		129.5	122.0	122.1	-0.1	-0.1
17 Norcutt Road							
R1/270	KITCHEN_ASSUMED		93.4	91.9	91.9	0.0	0.0
R1/271	BEDROOM_ASSUMED		140.6	132.8	135.7	-2.9	-2.2
15 Norcutt Road							
R1/280	KITCHEN		125.4	113.7	124.3	-10.6	-9.3
R1/282	BEDROOM		107.4	105.9	105.9	0.0	0.0
13 Norcutt Road							
R1/290	LKD		116.6	103.1	115.3	-12.2	-11.8
R1/292	BEDROOM		186.8	161.1	161.1	0.0	0.0
11 Norcutt Road							
R2/300	KITCHEN_ASSUMED		124.2	114.5	114.5	0.0	0.0

Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R3/300	ASSUMED		62.8	60.4	60.7	-0.3	-0.5
R1/301	BEDROOM_ASSUMED		119.0	114.4	114.4	0.0	0.0
9 Norcutt Road							
R1/310	KITCHEN_ASSUMED		123.2	77.2	109.7	-32.5	-42.1
R2/310	ASSUMED		73.8	47.5	72.5	-25.1	-52.8
R1/311	ASSUMED		115.4	102.5	102.5	0.0	0.0
R1/312	BEDROOM_ASSUMED		111.6	109.9	109.9	0.0	0.0
7 Norcutt Road							
R1/320	KITCHEN		107.7	98.1	106.8	-8.8	-9.0
R1/322	BEDROOM		198.8	195.2	195.2	0.0	0.0
5 Norcutt Road							
R1/330	LKD_ASSUMED		194.8	190.6	190.6	0.0	0.0
R1/331	BEDROOM_ASSUMED		122.3	117.2	117.2	0.0	0.0
3 Norcutt Road							
R1/340	KD		156.7	147.8	143.0	4.8	3.2
R1/341	BEDROOM		67.5	63.5	63.5	0.0	0.0
R1/342	BEDROOM		230.4	215.1	215.1	0.0	0.0
1 Norcutt Road							
R1/350	KD		209.2	207.6	193.0	14.6	7.0
R2/350	PLAYROOM		48.5	47.5	47.5	0.0	0.0
R1/351	BEDROOM		80.7	73.0	73.0	0.0	0.0
R2/351	BEDROOM		57.6	55.2	55.2	0.0	0.0
71 Edwin Road							
R2/360	ASSUMED_LIVINGROOM		131.4	128.2	128.2	0.0	0.0
R1/361	BEDROOM_ASSUMED		176.9	168.7	168.7	0.0	0.0
50 Edwin Road							
R1/1040	ASSUMED_KITCHEN		91.8	90.4	89.7	0.7	0.8
R1/1041	ASSUMED		91.8	88.4	88.4	0.0	0.0
R1/1060	ASSUMED_LIVINGROOM		72.2	69.4	60.1	9.3	13.4
R1/1061	ASSUMED		72.2	70.1	70.1	0.0	0.0
52 Edwin Road							

Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R1/1050	LIVINGROOM		216.2	216.2	216.2	0.0	0.0
R1/1051	ASSUMED		78.5	77.1	77.1	0.0	0.0
R1/1052	ASSUMED		61.4	60.1	60.1	0.0	0.0
R1/1071	ASSUMED		74.7	71.0	71.0	0.0	0.0
R1/1072	ASSUMED		74.7	66.5	66.5	0.0	0.0
2 Crane Road							
R1/1030	ASSUMED_DINING		72.2	70.2	70.2	0.0	0.0
R2/1030	ASSUMED_KITCHEN		88.1	87.5	87.5	0.0	0.0
4 Crane Road							
R1/1020	ASSUMED_KD		241.6	241.4	241.4	0.0	0.0
6 Crane Road							
R1/1010	ASSUMED_DINING		76.0	69.0	69.0	0.0	0.0
R2/1010	ASSUMED_KITCHEN		87.8	86.6	86.6	0.0	0.0
8 Crane Road							
R1/1000	KD		243.4	241.2	241.2	0.0	0.0
10 Crane Road							
R1/990	KD		243.4	241.0	240.8	0.2	0.1
12 Crane Road							
R1/970	ASSUMED_KITCHEN		144.0	140.7	140.0	0.7	0.5
R1/980	ASSUMED_DINING		69.8	58.9	58.9	0.0	0.0
14 Crane Road							
R1/960	KITCHEN/GARDEN_ROOM		229.3	228.7	228.7	0.0	0.0
16 Crane Road							
R1/940	KITCHEN		131.7	129.8	128.0	1.8	1.4
R1/950	DINING		72.9	66.4	66.4	0.0	0.0
18 Crane Road							
R1/930	ASSUMED_DINING		76.0	68.6	68.6	0.0	0.0
R2/930	ASSUMED_KITCHEN		88.2	56.7	56.7	0.0	0.0

Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R3/930	ASSUMED_KITCHEN		64.1	63.3	63.3	0.0	0.0
20 Crane Road							
R1/920	ASSUMED_KITCHEN		86.6	85.6	85.6	0.0	0.0
R2/920	ASSUMED_DINING		72.5	70.3	70.3	0.0	0.0
22 Crane Road							
R1/910	KITCHEN		363.4	360.9	360.9	0.0	0.0
24 Crane Road							
R1/900	ASSUMED_RESI		49.5	47.2	47.2	0.0	0.0
R2/900	ASSUMED_RESI		123.8	100.8	100.8	0.0	0.0
R3/900	ASSUMED_RESI		114.4	92.2	92.2	0.0	0.0
26 Crane Road							
R1/890	ASSUMED_RESI		128.5	58.7	58.7	0.0	0.0
R2/890	ASSUMED_RESI		111.4	89.0	89.0	0.0	0.0
R3/890	ASSUMED_RESI		42.8	41.1	41.1	0.0	0.0
28 Crane Road							
R2/880	KITCHEN		139.8	82.4	82.4	0.0	0.0
R4/880	DINING		104.1	81.8	81.8	0.0	0.0
30 Crane Road							
R1/870	LD		316.2	316.0	316.0	0.0	0.0
32 Crane Road							
R1/860	LKD		339.0	339.0	339.0	0.0	0.0
34 Crane Road							
R1/850	KITCHEN_ASSUMED		248.0	247.6	247.6	0.0	0.0
R2/850	DINING_ASSUMED		102.8	80.1	80.1	0.0	0.0
36 Crane Road							
R1/840	KITCHEN		238.5	238.5	233.1	5.4	2.3
R2/840	LIVINGROOM		88.6	75.4	75.4	0.0	0.0

Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
38 Crane Road							
R1/430	KITCHEN_ASSUMED		129.7	124.5	123.0	1.5	1.2
R1/440	DININGROOM_ASSUMED		102.5	89.9	89.9	0.0	0.0
R1/441	BEDROOM_ASSUMED		97.1	94.0	94.0	0.0	0.0
40 Crane Road							
R1/450	ASSUMED		100.1	97.7	97.7	0.0	0.0
R2/450	KITCHEN_ASSUMED		106.4	76.7	76.7	0.0	0.0
R1/451	ASSUMED		47.8	46.1	46.1	0.0	0.0
R2/451	ASSUMED		53.3	29.7	29.7	0.0	0.0
R1/460	DININGROOM_ASSUMED		102.5	95.1	95.1	0.0	0.0
R1/461	BEDROOM_ASSUMED		96.9	92.9	92.9	0.0	0.0
42 Crane Road							
R1/470	DININGROOM_ASSUMED		102.5	93.8	93.8	0.0	0.0
R1/471	BEDROOM_ASSUMED		100.1	96.0	96.0	0.0	0.0
R1/480	KITCHEN_ASSUMED		153.6	152.6	152.6	0.0	0.0
R2/481	BEDROOM_ASSUMED		74.7	72.5	72.5	0.0	0.0
44 Crane Road							
R1/490	LKD		455.0	446.5	445.6	0.9	0.2
R1/491	BEDROOM		74.1	72.3	72.3	0.0	0.0
R1/501	BEDROOM		100.8	96.6	96.6	0.0	0.0
46 Crane Road							
R1/510	KITCHEN_ASSUMED		178.1	178.1	178.1	0.0	0.0
R2/511	BEDROOM_ASSUMED		75.4	74.1	74.1	0.0	0.0
R1/520	DININGROOM_ASSUMED		100.8	85.5	85.5	0.0	0.0
R1/521	BEDROOM_ASSUMED		100.8	96.9	96.9	0.0	0.0
48 Crane Road							
R1/530	KITCHEN_ASSUMED		315.8	315.8	315.8	0.0	0.0
R1/531	BEDROOM_ASSUMED		82.9	81.3	81.3	0.0	0.0
R1/532	BEDROOM_ASSUMED		71.6	67.4	67.4	0.0	0.0
R1/541	BEDROOM_ASSUMED		99.8	95.8	95.8	0.0	0.0
R1/542	BEDROOM_ASSUMED		99.8	94.2	94.2	0.0	0.0
50 Crane Road							
R1/550	KD		302.3	302.3	302.3	0.0	0.0
R1/551	BEDROOM_ASSUMED		86.6	84.8	84.8	0.0	0.0
R1/560	LIVINGROOM		176.8	128.8	128.8	0.0	0.0

Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R1/561	BEDROOM_ASSUMED		99.7	90.5	90.5	0.0	0.0
52 Crane Road							
R1/570	KITCHEN_ASSUMED		164.6	163.5	155.6	7.9	4.8
R1/571	BEDROOM		74.1	72.9	72.9	0.0	0.0
R1/580	DININGROOM_ASSUMED		100.8	84.3	84.1	0.2	0.2
R1/581	BEDROOM_ASSUMED		100.8	94.8	94.8	0.0	0.0
R1/582	BEDROOM_ASSUMED		100.8	51.6	51.6	0.0	0.0
54 Crane Road							
R1/590	CONSERVATORY_ASSUMED		100.3	100.3	100.3	0.0	0.0
R1/600	KITCHEN_ASSUMED		134.7	90.6	90.6	0.0	0.0
R1/601	BEDROOM_ASSUMED		85.4	83.6	83.6	0.0	0.0
R1/610	DININGROOM_ASSUMED		100.8	82.4	82.4	0.0	0.0
R1/611	BEDROOM_ASSUMED		100.8	96.6	96.6	0.0	0.0
56 Crane Road							
R1/620	KD		275.2	274.1	274.1	0.0	0.0
R1/621	BEDROOM_ASSUMED		80.8	79.2	78.9	0.4	0.5
R1/631	BEDROOM_ASSUMED		100.8	96.8	91.7	5.0	5.2
R2/632	BEDROOM_ASSUMED		100.8	99.1	99.1	0.0	0.0
58 Crane Road							
R2/640	KD		264.6	211.7	196.2	15.4	7.3
R2/641	KD_ASSUMED		176.7	93.4	93.1	0.4	0.4
R3/641	BEDROOM_ASSUMED		100.8	96.6	96.6	0.0	0.0
R1/642	ASSUMED		58.7	56.6	56.6	0.0	0.0
R2/642	BEDROOM_ASSUMED		97.2	93.9	93.9	0.0	0.0
4 Gould Road							
R1/670	CONSERVATORY		58.9	58.9	58.9	0.0	0.0
R1/680	DINING		139.9	93.4	89.5	3.9	4.2
R2/680	KITCHEN		78.3	69.2	47.1	22.1	31.9
R1/681	BEDROOM		97.6	88.9	84.7	4.2	4.7
6 Gould Road							
R1/700	KITCHEN		76.7	76.1	76.1	0.0	0.0
R1/710	LD		244.6	230.4	230.4	0.0	0.0
R1/711	BEDROOM		73.1	71.7	71.7	0.0	0.0
R1/712	BEDROOM		183.4	180.5	180.5	0.0	0.0
8 Gould Road							

Room/ Floor	Room Use	Flat No.	Whole Room	Prev sq ft	New sq ft	Loss sq ft	%Loss
R1/720	KD		197.2	195.0	195.0	0.0	0.0
R1/721	BEDROOM		67.3	65.7	65.7	0.0	0.0
R1/722	BEDROOM_ASSUMED		65.2	58.6	58.6	0.0	0.0
R1/731	BEDROOM		87.6	84.8	84.8	0.0	0.0
R1/732	BEDROOM_ASSUMED		86.5	85.0	85.0	0.0	0.0
10 Gould Road							
R1/740	KITCHEN_ASSUMED		78.3	75.6	75.6	0.0	0.0
R2/740	DINING_ASSUMED		139.9	100.7	100.7	0.0	0.0
R1/751	BEDROOM_ASSUMED		98.0	84.8	84.8	0.0	0.0
12 Gould Road							
R1/760	DINING_ASSUMED		139.9	101.9	101.9	0.0	0.0
R2/760	KITCHEN_ASSUMED		78.3	76.9	76.9	0.0	0.0
R1/761	BEDROOM_ASSUMED		97.6	86.9	86.9	0.0	0.0
14 Gould Road							
R1/780	KITCHEN_ASSUMED		161.0	160.9	160.9	0.0	0.0
R1/781	BEDROOM		83.8	82.2	82.2	0.0	0.0
R2/782	BEDROOM		201.5	201.3	201.3	0.0	0.0
32 Gould Road, Crane Mews							
R1/800			580.6	235.1	234.9	0.1	0.0
R2/800			590.3	589.0	587.2	1.8	0.3
R1/801			337.1	325.3	325.3	0.0	0.0
R2/801			322.6	319.5	319.5	0.0	0.0
3 Mereway Cottages, Mereway Road							
R1/810	ASSUMED		429.9	425.8	425.8	0.0	0.0
R2/810	ASSUMED		304.1	300.7	300.7	0.0	0.0
R3/810	ASSUMED		142.1	142.1	142.1	0.0	0.0
R4/810	BEDROOM		152.0	150.7	150.7	0.0	0.0
R6/810	BEDROOM		287.3	284.1	284.1	0.0	0.0
R1/820	ASSUMED		183.7	183.7	182.3	1.4	0.8
R1/830	ASSUMED		46.7	45.0	44.9	0.1	0.2

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
Lockcorp House, 75 Norcutt Road														
R1/420	W1/420	LKD	0	13	0	13	-	0.0						
R1/420	W2/420	LKD	11	38	2	28	81.8	26.3	11	50	2	40	81.8	20.0
R2/420	W3/420	LKD	9	34	1	8	88.9	76.5						
R2/420	W4/420	LKD	9	31	1	5	88.9	83.9						
R2/420	W5/420	LKD	8	29	2	6	75.0	79.3						
R2/420	W6/420	LKD	13	59	5	38	61.5	35.6	15	63	7	43	53.3	31.7
R1/421	W1/421	LKD	0	13	0	13	-	0.0						
R1/421	W2/421	LKD	18	55	10	49	44.4	10.9	18	62	10	54	44.4	12.9
R2/421	W3/421	LKD	19	56	4	33	78.9	41.1						
R2/421	W4/421	LKD	19	56	4	24	78.9	57.1						
R2/421	W5/421	LKD	19	57	3	12	84.2	78.9						
R2/421	W6/421	LKD	17	71	8	57	52.9	19.7	19	86	10	74	47.4	14.0
R1/422	W1/422	BEDROOM	0	13	0	13	-	0.0						
R1/422	W2/422	BEDROOM	21	60	18	57	14.3	5.0	21	65	18	62	14.3	4.6
R2/422	W3/422	LKD	21	60	12	51	42.9	15.0						
R2/422	W4/422	LKD	21	60	11	48	47.6	20.0						
R2/422	W5/422	LKD	21	60	11	38	47.6	36.7						
R2/422	W6/422	LKD	25	81	20	76	20.0	6.2	26	95	20	89	23.1	6.3
R1/423	W1/423	BEDROOM	0	13	0	13	-	0.0						
R1/423	W2/423	BEDROOM	21	60	19	58	9.5	3.3	21	65	19	63	9.5	3.1

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R2/423	W3/423	LKD	21	60	18	57	14.3	5.0						
R2/423	W4/423	LKD	21	60	18	57	14.3	5.0						
R2/423	W5/423	LKD	21	60	18	57	14.3	5.0						
R2/423	W6/423	LKD	29	85	29	85	0.0	0.0	30	99	29	98	3.3	1.0
R4/424	W4/424	LKD	1	15	1	15	0.0	0.0						
R4/424	W5/424	LKD	29	85	28	84	3.4	1.2	30	100	29	99	3.3	1.0
R5/424	W6/424	BEDROOM	29	85	28	84	3.4	1.2	29	85	28	84	3.4	1.2
R6/424	W7/424	BEDROOM	29	85	29	85	0.0	0.0	29	85	29	85	0.0	0.0
R7/424	W8/424	BEDROOM	29	85	29	85	0.0	0.0	29	85	29	85	0.0	0.0
73 Norcutt Road, Alcott House														
R3/10	W5/10	BEDROOM_ASSUMED	12	41	10	35	16.7	14.6	12	41	10	35	16.7	14.6
R4/10	W6/10	BEDROOM_ASSUMED	7	33	5	29	28.6	12.1	7	33	5	29	28.6	12.1
R5/10	W7/10	BEDROOM_ASSUMED	12	42	11	41	8.3	2.4	12	42	11	41	8.3	2.4
R6/10	W8/10	LK_ASSUMED	4	25	4	25	0.0	0.0						
R6/10	W9/10	LK_ASSUMED	19	74	15	69	21.1	6.8	19	75	15	70	21.1	6.7
R7/10	W10/10	BEDROOM_ASSUMED	15	71	13	69	13.3	2.8	15	71	13	69	13.3	2.8
R8/10	W11/10	BEDROOM_ASSUMED	14	69	13	68	7.1	1.4	14	69	13	68	7.1	1.4

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R9/10	W12/10	LK_ASSUMED	21	73	19	71	9.5	2.7						
R9/10	W13/10	LK_ASSUMED	6	32	6	32	0.0	0.0	21	75	19	73	9.5	2.7
R4/11	W5/11	LOUNGE	0	14	0	5	-	64.3						
R4/11	W6/11	LOUNGE	16	52	14	40	12.5	23.1	16	54	14	43	12.5	20.4
R5/11	W7/11	BEDROOM	11	42	10	36	9.1	14.3	11	42	10	36	9.1	14.3
R6/11	W8/11	BEDROOM	18	56	16	49	11.1	12.5	18	56	16	49	11.1	12.5
R7/11	W9/11	LIVINGROOM	19	57	16	50	15.8	12.3						
R7/11	W10/11	LIVINGROOM	26	82	23	79	11.5	3.7	26	94	24	88	7.7	6.4
R8/11	W11/11	BEDROOM	25	81	23	79	8.0	2.5	25	81	23	79	8.0	2.5
R9/11	W12/11	BEDROOM	25	81	25	81	0.0	0.0	25	81	25	81	0.0	0.0
R10/11	W13/11	LIVINGROOM	24	80	24	80	0.0	0.0						
R10/11	W14/11	LIVINGROOM	7	37	7	37	0.0	0.0	24	81	24	81	0.0	0.0
R4/12	W5/12	LOUNGE	1	15	0	11	100.0	26.7						
R4/12	W6/12	LOUNGE	19	56	16	45	15.8	19.6	19	57	16	51	15.8	10.5
R5/12	W7/12	BEDROOM	14	50	14	44	0.0	12.0	14	50	14	44	0.0	12.0
R6/12	W8/12	BEDROOM	21	60	19	55	9.5	8.3	21	60	19	55	9.5	8.3
R7/12	W9/12	LIVINGROOM	21	60	19	55	9.5	8.3						
R7/12	W10/12	LIVINGROOM	28	83	27	82	3.6	1.2	29	98	27	93	6.9	5.1

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R8/12	W11/12	BEDROOM	28	82	27	81	3.6	1.2	28	82	27	81	3.6	1.2
R9/12	W12/12	BEDROOM	28	82	28	82	0.0	0.0	28	82	28	82	0.0	0.0
R10/12	W13/12	LIVINGROOM	28	82	28	82	0.0	0.0						
R10/12	W14/12	LIVINGROOM	9	40	9	40	0.0	0.0	28	83	28	83	0.0	0.0
65-71 Norcutt Road														
R2/20	W2/20	CONSERVATORY	0	6	0	6	-	0.0						
R2/20	W3/20	CONSERVATORY	2	19	1	16	50.0	15.8						
R2/20	W4/20	CONSERVATORY	8	37	5	32	37.5	13.5	8	39	6	36	25.0	7.7
R1/21	W1/21	BEDROOM_ASSUMED	18	54	15	48	16.7	11.1	18	54	15	48	16.7	11.1
R1/30	W1/30	CONSERVATORY	12	40	8	34	33.3	15.0						
R1/30	W2/30	CONSERVATORY	1	34	0	30	100.0	11.8						
R1/30	W3/30	CONSERVATORY	1	29	0	26	100.0	10.3	13	49	8	41	38.5	16.3
R1/31	W1/31	BEDROOM_ASSUMED	18	54	15	48	16.7	11.1	18	54	15	48	16.7	11.1
63 Norcutt Road														
R1/40	W1/40	CONSERVATORY	0	7	0	5	-	28.6						
R1/40	W2/40	CONSERVATORY	14	53	12	47	14.3	11.3						
R1/40	W3/40	CONSERVATORY	2	17	0	10	100.0	41.2						
R1/40	W4/40	CONSERVATORY	18	61	13	51	27.8	16.4						
R1/40	W5/40	CONSERVATORY	8	34	8	29	0.0	14.7						

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/40	W6/40	CONSERVATORY	12	58	8	46	33.3	20.7	18	65	15	58	16.7	10.8
R1/41	W1/41	BEDROOM	18	54	16	49	11.1	9.3	18	54	16	49	11.1	9.3
R1/42	W1/42	BEDROOM	24	81	23	79	4.2	2.5	24	81	23	79	4.2	2.5
61 Norcutt Road														
R1/50	W1/50	CONSERVATORY_ASSUMED	7	31	9	30	-28.6	3.2						
R1/50	W2/50	CONSERVATORY_ASSUMED	19	65	16	53	15.8	18.5						
R1/50	W3/50	CONSERVATORY_ASSUMED	5	34	6	35	-20.0	-2.9						
R1/50	W4/50	CONSERVATORY_ASSUMED	20	63	16	52	20.0	17.5						
R1/50	W5/50	CONSERVATORY_ASSUMED	17	55	14	47	17.6	14.5						
R1/50	W6/50	CONSERVATORY_ASSUMED	9	38	8	35	11.1	7.9	20	66	17	58	15.0	12.1
R1/51	W1/51	BEDROOM_ASSUMED	18	54	16	50	11.1	7.4	18	54	16	50	11.1	7.4
R1/52	W1/52	BEDROOM_ASSUMED	24	77	23	75	4.2	2.6	24	77	23	75	4.2	2.6
59 Norcutt Road														
R1/60	W1/60	CONSERVATORY	0	7	0	3	-	57.1						
R1/60	W2/60	CONSERVATORY	12	50	11	45	8.3	10.0						
R1/60	W3/60	CONSERVATORY	0	5	2	13	-	-160.0						
R1/60	W4/60	CONSERVATORY	13	55	14	53	-7.7	3.6						
R1/60	W5/60	CONSERVATORY	1	11	7	32	-600.0	-190.9						
R1/60	W6/60	CONSERVATORY	7	49	8	49	-14.3	0.0	15	61	14	56	6.7	8.2
R1/61	W1/61	BEDROOM	18	54	15	48	16.7	11.1	18	54	15	48	16.7	11.1

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/62	W1/62	BEDROOM	24	81	24	80	0.0	1.2	24	81	24	80	0.0	1.2
57 Norcutt Road														
R1/70	W1/70	CONSERVATORY	3	9	10	34	-233.3	-277.8						
R1/70	W2/70	CONSERVATORY	11	49	15	55	-36.4	-12.2						
R1/70	W3/70	CONSERVATORY	3	20	6	39	-100.0	-95.0						
R1/70	W4/70	CONSERVATORY	12	47	16	55	-33.3	-17.0						
R1/70	W5/70	CONSERVATORY	5	26	7	35	-40.0	-34.6						
R1/70	W6/70	CONSERVATORY	12	46	14	48	-16.7	-4.3	15	59	17	59	-13.3	0.0
R1/71	W1/71	BEDROOM	18	54	15	48	16.7	11.1	18	54	15	48	16.7	11.1
R1/72	W1/72	BEDROOM	24	77	23	75	4.2	2.6	24	77	23	75	4.2	2.6
55 Norcutt Road														
R1/80	W1/80	CONSERVATORY_ASSUMED	0	0	0	3	-	-						
R1/80	W2/80	CONSERVATORY_ASSUMED	10	39	11	45	-10.0	-15.4						
R1/80	W3/80	CONSERVATORY_ASSUMED	0	0	1	12	-	-						
R1/80	W4/80	CONSERVATORY_ASSUMED	10	39	13	50	-30.0	-28.2						
R1/80	W5/80	CONSERVATORY_ASSUMED	1	7	8	31	-700.0	-342.9						
R1/80	W6/80	CONSERVATORY_ASSUMED	5	33	8	48	-60.0	-45.5	13	50	14	56	-7.7	-12.0
R1/81	W1/81	BEDROOM_ASSUMED	18	54	15	48	16.7	11.1	18	54	15	48	16.7	11.1
R1/82	W1/82	BEDROOM_ASSUMED	24	81	23	80	4.2	1.2	24	81	23	80	4.2	1.2

Room	Window	Room Use	Window						Room						
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH			
53 Norcutt Road															
R1/90	W1/90	CONSERVATORY	2	8	9	32	-350.0	-300.0							
R1/90	W2/90	CONSERVATORY	11	39	15	54	-36.4	-38.5							
R1/90	W3/90	CONSERVATORY	3	19	6	37	-100.0	-94.7							
R1/90	W4/90	CONSERVATORY	11	39	16	54	-45.5	-38.5							
R1/90	W5/90	CONSERVATORY	12	41	14	48	-16.7	-17.1							
R1/90	W6/90	CONSERVATORY	5	24	8	36	-60.0	-50.0	15	52	17	59	-13.3	-13.5	
R1/91	W1/91	BEDROOM	18	54	15	49	16.7	9.3	18	54	15	49	16.7	9.3	
R1/92	W1/92	BEDROOM	24	77	22	75	8.3	2.6	24	77	22	75	8.3	2.6	
51 Norcutt Road															
R1/100	W1/100	CONSERVATORY_ASSUMED	0	0	0	3	-	-							
R1/100	W2/100	CONSERVATORY_ASSUMED	10	40	12	47	-20.0	-17.5							
R1/100	W3/100	CONSERVATORY_ASSUMED	0	0	1	15	-	-							
R1/100	W4/100	CONSERVATORY_ASSUMED	5	33	8	48	-60.0	-45.5							
R1/100	W5/100	CONSERVATORY_ASSUMED	0	3	4	27	-	-800.0							
R1/100	W6/100	CONSERVATORY_ASSUMED	0	22	2	39	-	-77.3	10	44	12	52	-20.0	-18.2	
R1/101	W1/101	BEDROOM_ASSUMED	19	55	17	50	10.5	9.1	19	55	17	50	10.5	9.1	
R1/102	W1/102	BEDROOM_ASSUMED	23	82	22	81	4.3	1.2	23	82	22	81	4.3	1.2	
49 Norcutt Road															
R1/110	W1/110	KD	5	23	5	24	0.0	-4.3							

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/110	W4/110	KD	0	24	1	27	-	-12.5	5	31	6	34	-20.0	-9.7
R1/111	W1/111	BEDROOM	19	56	16	51	15.8	8.9	19	56	16	51	15.8	8.9
R1/112	W1/112	BEDROOM	18	51	18	51	0.0	0.0						
R1/112	W2/112	BEDROOM	21	79	21	79	0.0	0.0						
R1/112	W3/112	BEDROOM	21	79	21	79	0.0	0.0	30	100	30	100	0.0	0.0
47 Norcutt Road														
R1/120	W1/120	ASSUMED	7	37	10	47	-42.9	-27.0						
R1/120	W2/120	ASSUMED	9	38	10	40	-11.1	-5.3	10	47	11	49	-10.0	-4.3
R2/120	W3/120	KITCHEN_ASSUMED	7	33	8	35	-14.3	-6.1	7	33	8	35	-14.3	-6.1
R1/121	W1/121	BEDROOM_ASSUMED	20	55	16	49	20.0	10.9	20	55	16	49	20.0	10.9
45 Norcutt Road														
R1/130	W1/130	KITCHEN_ASSUMED	0	14	0	15	-	-7.1	0	14	0	15	-	-7.1
R1/131	W1/131	BEDROOM_ASSUMED	20	56	16	50	20.0	10.7	20	56	16	50	20.0	10.7
43 Norcutt Road														
R1/140	W1/140	ASSUMED	6	35	9	44	-50.0	-25.7						
R1/140	W2/140	ASSUMED	7	35	7	35	0.0	0.0	8	43	9	44	-12.5	-2.3
R2/140	W3/140	KITCHEN_ASSUMED	6	34	7	36	-16.7	-5.9	6	34	7	36	-16.7	-5.9

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/141	W1/141	BEDROOM_ASSUMED	20	56	16	50	20.0	10.7	20	56	16	50	20.0	10.7
41 Norcutt Road														
R1/150	W1/150	KITCHEN_ASSUMED	0	13	0	15	-	-15.4	0	13	0	15	-	-15.4
R1/151	W1/151	BEDROOM_ASSUMED	20	56	16	50	20.0	10.7	20	56	16	50	20.0	10.7
39 Norcutt Road														
R1/160	W1/160	ASSUMED	6	35	9	45	-50.0	-28.6						
R1/160	W2/160	ASSUMED	7	35	8	37	-14.3	-5.7	8	43	10	46	-25.0	-7.0
R2/160	W3/160	KITCHEN_ASSUMED	7	35	8	37	-14.3	-5.7	7	35	8	37	-14.3	-5.7
R1/161	W1/161	BEDROOM_ASSUMED	20	56	16	49	20.0	12.5	20	56	16	49	20.0	12.5
37 Norcutt Road														
R2/170	W1/170	KITCHEN_ASSUMED	0	13	0	15	-	-15.4	0	13	0	15	-	-15.4
R1/171	W1/171	BEDROOM_ASSUMED	20	56	16	50	20.0	10.7	20	56	16	50	20.0	10.7
35 Norcutt Road														
R2/180	W4/180	KITCHEN_ASSUMED	11	38	12	41	-9.1	-7.9	11	38	12	41	-9.1	-7.9
R3/180	W2/180	ASSUMED	6	18	12	39	-100.0	-116.7						

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R3/180	W3/180	ASSUMED	12	39	14	43	-16.7	-10.3	14	41	16	48	-14.3	-17.1
R1/181	W1/181	BEDROOM_ASSUMED	19	56	16	51	15.8	8.9	19	56	16	51	15.8	8.9
33 Norcutt Road														
R1/190	W1/190	KITCHEN	9	38	9	40	0.0	-5.3						
R1/190	W2/190	KITCHEN	0	21	0	25	-	-19.0	9	38	9	41	0.0	-7.9
R1/191	W1/191	BEDROOM	19	56	17	52	10.5	7.1	19	56	17	52	10.5	7.1
31 Norcutt Road														
R1/200	W1/200	ASSUMED	7	25	11	42	-57.1	-68.0						
R1/200	W2/200	ASSUMED	7	26	12	42	-71.4	-61.5	7	26	12	43	-71.4	-65.4
R2/200	W3/200	KITCHEN_ASSUMED	1	29	2	31	-100.0	-6.9	1	29	2	31	-100.0	-6.9
R1/201	W1/201	BEDROOM_ASSUMED	18	55	16	51	11.1	7.3	18	55	16	51	11.1	7.3
R1/202	W1/202	ASSUMED	22	83	23	84	-4.5	-1.2	22	83	23	84	-4.5	-1.2
29 Norcutt Road														
R1/210	W1/210	KITCHEN_ASSUMED	0	11	0	12	-	-9.1	0	11	0	12	-	-9.1
R2/210	W2/210	ASSUMED	0	4	0	7	-	-75.0						
R2/210	W3/210	ASSUMED	8	25	12	40	-50.0	-60.0	8	29	12	43	-50.0	-48.3

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/211	W1/211	BEDROOM_ASSUMED	17	54	16	51	5.9	5.6	17	54	16	51	5.9	5.6
R1/212	W1/212	ASSUMED	24	85	25	86	-4.2	-1.2	24	85	25	86	-4.2	-1.2
27 Norcutt Road														
R1/220	W1/220	ASSUMED	5	23	10	41	-100.0	-78.3						
R1/220	W2/220	ASSUMED	4	35	5	38	-25.0	-8.6	7	38	11	50	-57.1	-31.6
R2/220	W3/220	KITCHEN_ASSUMED	1	29	2	31	-100.0	-6.9	1	29	2	31	-100.0	-6.9
R1/221	W1/221	BEDROOM_ASSUMED	18	55	16	51	11.1	7.3	18	55	16	51	11.1	7.3
25 Norcutt Road														
R1/230	W1/230	KITCHEN_ASSUMED	0	8	0	10	-	-25.0						
R1/230	W2/230	KITCHEN_ASSUMED	0	4	0	7	-	-75.0	0	8	0	10	-	-25.0
R1/231	W1/231	BEDROOM_ASSUMED	16	52	16	51	0.0	1.9	16	52	16	51	0.0	1.9
23 Norcutt Road														
R2/240	W2/240	KITCHEN	0	8	0	10	-	-25.0	0	8	0	10	-	-25.0
R1/241	W1/241	BEDROOM	17	51	17	51	0.0	0.0	17	51	17	51	0.0	0.0
21 Norcutt Road														
R1/250	W1/250	KITCHEN_ASSUMED	7	23	12	40	-71.4	-73.9						

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/250	W2/250	KITCHEN_ASSUMED	15	50	17	54	-13.3	-8.0						
R1/250	W3/250	KITCHEN_ASSUMED	9	28	15	44	-66.7	-57.1	15	50	17	54	-13.3	-8.0
R1/252	W1/252	BEDROOM_ASSUMED	17	52	19	54	-11.8	-3.8	17	52	19	54	-11.8	-3.8
19 Norcutt Road														
R1/260	W1/260	KITCHEN	7	28	14	46	-100.0	-64.3						
R1/260	W2/260	KITCHEN	13	47	17	53	-30.8	-12.8						
R1/260	W3/260	KITCHEN	4	22	8	40	-100.0	-81.8						
R1/260	W4/260	KITCHEN	1	20	4	34	-300.0	-70.0	13	47	17	53	-30.8	-12.8
R1/262	W1/262	BEDROOM	19	54	20	57	-5.3	-5.6	19	54	20	57	-5.3	-5.6
17 Norcutt Road														
R1/270	W1/270	KITCHEN_ASSUMED	0	13	5	34	-	-161.5						
R1/270	W2/270	KITCHEN_ASSUMED	12	41	16	49	-33.3	-19.5	12	41	16	49	-33.3	-19.5
R1/271	W1/271	BEDROOM_ASSUMED	17	48	18	52	-5.9	-8.3	17	48	18	52	-5.9	-8.3
15 Norcutt Road														
R1/280	W1/280	KITCHEN	5	15	15	47	-200.0	-213.3						
R1/280	W2/280	KITCHEN	17	52	19	57	-11.8	-9.6						
R1/280	W3/280	KITCHEN	5	16	15	47	-200.0	-193.8	17	52	19	57	-11.8	-9.6
R1/282	W1/282	BEDROOM	18	54	20	58	-11.1	-7.4	18	54	20	58	-11.1	-7.4

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
13 Norcutt Road														
R1/290	W1/290	LKD	8	36	12	42	-50.0	-16.7						
R1/290	W2/290	LKD	7	37	9	43	-28.6	-16.2	9	40	13	47	-44.4	-17.5
R1/292	W1/292	BEDROOM	19	56	21	58	-10.5	-3.6						
R1/292	W2/292	BEDROOM	17	70	17	70	0.0	0.0	28	98	30	100	-7.1	-2.0
11 Norcutt Road														
R2/300	W5/300	KITCHEN_ASSUMED	1	25	1	27	0.0	-8.0	1	25	1	27	0.0	-8.0
R3/300	W2/300	ASSUMED	11	35	15	47	-36.4	-34.3						
R3/300	W3/300	ASSUMED	10	34	15	46	-50.0	-35.3						
R3/300	W4/300	ASSUMED	5	20	5	20	0.0	0.0	11	39	15	50	-36.4	-28.2
R1/301	W1/301	BEDROOM_ASSUMED	0	4	0	4	-	0.0						
R1/301	W2/301	BEDROOM_ASSUMED	16	49	18	54	-12.5	-10.2	16	49	18	54	-12.5	-10.2
9 Norcutt Road														
R1/310	W1/310	KITCHEN_ASSUMED	0	4	0	4	-	0.0	0	4	0	4	-	0.0
R2/310	W2/310	ASSUMED	10	32	15	47	-50.0	-46.9	10	32	15	47	-50.0	-46.9
R1/311	W1/311	ASSUMED	16	48	17	51	-6.3	-6.3						
R1/311	W2/311	ASSUMED	16	48	17	51	-6.3	-6.3	16	48	17	51	-6.3	-6.3
R1/312	W1/312	BEDROOM_ASSUMED	19	55	20	57	-5.3	-3.6	19	55	20	57	-5.3	-3.6

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
APSH	APSH	APSH	APSH	APSH	APSH	APSH			APSH	APSH	APSH	APSH		
7 Norcutt Road														
R1/320	W3/320	KITCHEN	11	32	13	45	-18.2	-40.6						
R1/320	W4/320	KITCHEN	7	26	5	36	28.6	-38.5						
R1/320	W5/320	KITCHEN	6	29	3	32	50.0	-10.3	17	43	14	46	17.6	-7.0
R1/322	W1/322	BEDROOM	16	73	16	73	0.0	0.0						
R1/322	W2/322	BEDROOM	19	55	20	57	-5.3	-3.6						
R1/322	W3/322	BEDROOM	19	55	20	57	-5.3	-3.6	25	94	26	96	-4.0	-2.1
5 Norcutt Road														
R1/330	W1/330	LKD_ASSUMED	20	49	17	49	15.0	0.0						
R1/330	W2/330	LKD_ASSUMED	12	39	9	38	25.0	2.6						
R1/330	W3/330	LKD_ASSUMED	20	49	17	48	15.0	2.0						
R1/330	W4/330	LKD_ASSUMED	20	50	17	49	15.0	2.0	20	52	17	51	15.0	1.9
R1/331	W1/331	BEDROOM_ASSUMED	10	43	9	46	10.0	-7.0	10	43	9	46	10.0	-7.0
3 Norcutt Road														
R1/340	W1/340	KD	15	45	13	42	13.3	6.7						
R1/340	W2/340	KD	9	34	7	34	22.2	0.0	15	45	13	45	13.3	0.0
R1/341	W1/341	BEDROOM	18	49	17	51	5.6	-4.1	18	49	17	51	5.6	-4.1
R1/342	W1/342	BEDROOM	20	57	20	57	0.0	0.0						
R1/342	W2/342	BEDROOM	20	57	20	57	0.0	0.0						

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/342	W3/342	BEDROOM	21	78	21	78	0.0	0.0	30	100	30	100	0.0	0.0
1 Norcutt Road														
R1/350	W1/350	KD	20	55	18	52	10.0	5.5						
R1/350	W2/350	KD	18	54	18	51	0.0	5.6	20	56	19	53	5.0	5.4
R2/350	W3/350	PLAYROOM	9	44	9	41	0.0	6.8	9	44	9	41	0.0	6.8
R1/351	W1/351	BEDROOM	2	15	1	14	50.0	6.7	2	15	1	14	50.0	6.7
R2/351	W2/351	BEDROOM	20	57	20	57	0.0	0.0	20	57	20	57	0.0	0.0
52 Edwin Road														
R1/1052	W1/1052	ASSUMED	0	12	0	12	-	0.0						
R1/1052	W2/1052	ASSUMED	2	30	2	30	0.0	0.0	2	33	2	33	0.0	0.0
2 Crane Road														
R2/1030	W2/1030	ASSUMED_KITCHEN	18	60	18	60	0.0	0.0						
R2/1030	W3/1030	ASSUMED_KITCHEN	12	43	12	43	0.0	0.0	22	65	22	65	0.0	0.0
4 Crane Road														
R1/1020	W1/1020	ASSUMED_KD	11	39	11	39	0.0	0.0						
R1/1020	W2/1020	ASSUMED_KD	7	45	7	44	0.0	2.2						
R1/1020	W3/1020	ASSUMED_KD	5	39	5	38	0.0	2.6						
R1/1020	W4/1020	ASSUMED_KD	0	12	0	11	-	8.3						

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/1020	W5/1020	ASSUMED_KD	0	5	0	4	-	20.0						
R1/1020	W6/1020	ASSUMED_KD	14	47	14	47	0.0	0.0						
R1/1020	W7/1020	ASSUMED_KD	20	63	20	63	0.0	0.0	20	65	20	64	0.0	1.5
6 Crane Road														
R2/1010	W2/1010	ASSUMED_KITCHEN	0	19	0	19	-	0.0						
R2/1010	W3/1010	ASSUMED_KITCHEN	3	28	3	28	0.0	0.0						
R2/1010	W4/1010	ASSUMED_KITCHEN	7	36	7	36	0.0	0.0						
R2/1010	W5/1010	ASSUMED_KITCHEN	10	41	10	41	0.0	0.0	10	43	10	43	0.0	0.0
14 Crane Road														
R1/960	W1/960	KITCHEN/GARDEN_ROOM	9	41	9	40	0.0	2.4						
R1/960	W2/960	KITCHEN/GARDEN_ROOM	2	43	2	42	0.0	2.3						
R1/960	W3/960	KITCHEN/GARDEN_ROOM	3	51	3	50	0.0	2.0						
R1/960	W4/960	KITCHEN/GARDEN_ROOM	1	32	1	32	0.0	0.0						
R1/960	W5/960	KITCHEN/GARDEN_ROOM	4	44	4	44	0.0	0.0						
R1/960	W6/960	KITCHEN/GARDEN_ROOM	12	62	12	62	0.0	0.0						
R1/960	W7/960	KITCHEN/GARDEN_ROOM	14	67	14	67	0.0	0.0	15	71	15	70	0.0	1.4
18 Crane Road														
R2/930	W3/930	ASSUMED_KITCHEN	5	28	5	29	0.0	-3.6						
R2/930	W5/930	ASSUMED_KITCHEN	2	19	2	20	0.0	-5.3	5	28	5	29	0.0	-3.6
R3/930	W1/930	ASSUMED_KITCHEN	12	41	10	39	16.7	4.9						
R3/930	W4/930	ASSUMED_KITCHEN	13	46	12	45	7.7	2.2	14	49	12	47	14.3	4.1

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
22 Crane Road														
R1/910	W1/910	KITCHEN	8	40	8	38	0.0	5.0						
R1/910	W2/910	KITCHEN	10	42	9	40	10.0	4.8						
R1/910	W3/910	KITCHEN	6	48	5	48	16.7	0.0	11	55	10	54	9.1	1.8
26 Crane Road														
R1/890	W2/890	ASSUMED_RESI	0	34	0	33	-	2.9	0	34	0	33	-	2.9
R3/890	W1/890	ASSUMED_RESI	9	37	8	35	11.1	5.4						
R3/890	W3/890	ASSUMED_RESI	15	67	13	64	13.3	4.5	15	67	13	64	13.3	4.5
28 Crane Road														
R2/880	W2/880	KITCHEN	0	0	0	0	-	-						
R2/880	W3/880	KITCHEN	0	0	0	0	-	-						
R2/880	W4/880	KITCHEN	0	0	0	0	-	-	0	0	0	0	-	-
30 Crane Road														
R1/870	W1/870	LD	5	30	5	28	0.0	6.7						
R1/870	W2/870	LD	0	33	0	33	-	0.0						
R1/870	W3/870	LD	5	51	3	49	40.0	3.9						
R1/870	W4/870	LD	12	64	11	62	8.3	3.1						
R1/870	W5/870	LD	13	52	13	52	0.0	0.0	16	68	14	66	12.5	2.9
32 Crane Road														

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/860	W1/860	LKD	5	30	5	28	0.0	6.7						
R1/860	W2/860	LKD	0	10	0	10	-	0.0						
R1/860	W3/860	LKD	0	2	0	2	-	0.0						
R1/860	W4/860	LKD	3	38	3	38	0.0	0.0						
R1/860	W5/860	LKD	10	43	10	43	0.0	0.0	10	45	10	45	0.0	0.0
34 Crane Road														
R1/850	W1/850	KITCHEN_ASSUMED	7	35	7	34	0.0	2.9						
R1/850	W2/850	KITCHEN_ASSUMED	5	50	5	50	0.0	0.0						
R1/850	W3/850	KITCHEN_ASSUMED	10	48	8	46	20.0	4.2						
R1/850	W4/850	KITCHEN_ASSUMED	9	49	8	48	11.1	2.0						
R1/850	W5/850	KITCHEN_ASSUMED	0	10	0	10	-	0.0	11	58	9	56	18.2	3.4
38 Crane Road														
R1/430	W1/430	KITCHEN_ASSUMED	0	14	0	13	-	7.1						
R1/430	W2/430	KITCHEN_ASSUMED	1	27	1	26	0.0	3.7						
R1/430	W4/430	KITCHEN_ASSUMED	7	35	7	34	0.0	2.9	7	38	7	37	0.0	2.6
42 Crane Road														
R1/480	W1/480	KITCHEN_ASSUMED	0	21	0	20	-	4.8						
R1/480	W2/480	KITCHEN_ASSUMED	1	36	1	35	0.0	2.8						
R1/480	W3/480	KITCHEN_ASSUMED	8	36	7	34	12.5	5.6						
R1/480	W4/480	KITCHEN_ASSUMED	7	35	7	34	0.0	2.9	8	47	7	45	12.5	4.3
44 Crane Road														

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/490	W1/490	LKD	6	34	6	33	0.0	2.9						
R1/490	W2/490	LKD	0	0	0	0	-	-						
R1/490	W3/490	LKD	0	0	0	0	-	-						
R1/490	W4/490	LKD	16	53	16	53	0.0	0.0						
R1/490	W5/490	LKD	0	0	0	0	-	-						
R1/490	W6/490	LKD	13	40	13	40	0.0	0.0						
R1/490	W7/490	LKD	16	53	16	53	0.0	0.0	23	88	23	87	0.0	1.1
46 Crane Road														
R1/510	W1/510	KITCHEN_ASSUMED	0	26	0	26	-	0.0						
R1/510	W2/510	KITCHEN_ASSUMED	3	38	2	36	33.3	5.3						
R1/510	W3/510	KITCHEN_ASSUMED	15	59	14	58	6.7	1.7						
R1/510	W4/510	KITCHEN_ASSUMED	8	34	7	32	12.5	5.9						
R1/510	W5/510	KITCHEN_ASSUMED	6	32	5	30	16.7	6.3						
R1/510	W6/510	KITCHEN_ASSUMED	12	48	11	47	8.3	2.1	16	60	15	59	6.3	1.7
50 Crane Road														
R1/550	W1/550	KD	0	0	0	0	-	-						
R1/550	W2/550	KD	9	52	8	51	11.1	1.9						
R1/550	W3/550	KD	13	61	11	58	15.4	4.9						
R1/550	W4/550	KD	5	30	5	29	0.0	3.3						
R1/550	W5/550	KD	6	48	6	47	0.0	2.1						
R1/550	W6/550	KD	4	38	4	38	0.0	0.0	13	63	12	62	7.7	1.6
R1/560	W1/560	LIVINGROOM	0	1	0	1	-	0.0						
R1/560	W2/560	LIVINGROOM	10	32	10	32	0.0	0.0	10	33	10	33	0.0	0.0

Room	Window	Room Use	Window						Room						
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss	
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH			
54 Crane Road															
R1/590	W1/590	CONSERVATORY_ASSUMED	15	60	13	56	13.3	6.7							
R1/590	W2/590	CONSERVATORY_ASSUMED	0	40	0	37	-	7.5							
R1/590	W3/590	CONSERVATORY_ASSUMED	7	34	7	31	0.0	8.8							
R1/590	W4/590	CONSERVATORY_ASSUMED	5	43	5	41	0.0	4.7	16	65	14	61	12.5	6.2	
R1/600	W1/600	KITCHEN_ASSUMED	0	31	0	29	-	6.5	0	31	0	29	-	6.5	
56 Crane Road															
R1/620	W1/620	KD	12	48	10	45	16.7	6.3							
R1/620	W2/620	KD	1	28	1	25	0.0	10.7							
R1/620	W3/620	KD	10	47	10	46	0.0	2.1							
R1/620	W4/620	KD	0	6	0	5	-	16.7							
R1/620	W5/620	KD	0	2	0	2	-	0.0	12	49	10	46	16.7	6.1	
58 Crane Road															
R2/640	W1/640	KD	0	5	0	2	-	60.0							
R2/640	W2/640	KD	0	24	0	23	-	4.2							
R2/640	W3/640	KD	2	27	2	26	0.0	3.7	2	31	2	30	0.0	3.2	
R2/641	W2/641	KD_ASSUMED	12	50	12	50	0.0	0.0	12	50	12	50	0.0	0.0	
6 Gould Road															
R1/700	W1/700	KITCHEN	1	15	1	15	0.0	0.0							
R1/700	W2/700	KITCHEN	1	15	1	15	0.0	0.0							

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/700	W3/700	KITCHEN	0	12	0	12	-	0.0						
R1/700	W4/700	KITCHEN	0	1	0	1	-	0.0	1	15	1	15	0.0	0.0
R1/710	W1/710	LD	0	0	0	0	-	-						
R1/710	W2/710	LD	23	74	23	74	0.0	0.0						
R1/710	W3/710	LD	22	73	22	73	0.0	0.0	23	74	23	74	0.0	0.0
R1/712	W1/712	BEDROOM	23	88	23	88	0.0	0.0						
R1/712	W2/712	BEDROOM	0	9	0	9	-	0.0						
R1/712	W3/712	BEDROOM	29	90	29	90	0.0	0.0						
R1/712	W4/712	BEDROOM	29	85	29	85	0.0	0.0	29	97	29	97	0.0	0.0
10 Gould Road														
R1/740	W1/740	KITCHEN_ASSUMED	0	13	0	13	-	0.0						
R1/740	W2/740	KITCHEN_ASSUMED	0	5	0	5	-	0.0						
R1/740	W3/740	KITCHEN_ASSUMED	0	2	0	2	-	0.0	0	15	0	15	-	0.0
14 Gould Road														
R1/780	W1/780	KITCHEN_ASSUMED	0	7	0	7	-	0.0						
R1/780	W2/780	KITCHEN_ASSUMED	0	3	0	3	-	0.0	0	10	0	10	-	0.0
R2/782	W2/782	BEDROOM	2	17	2	17	0.0	0.0						
R2/782	W3/782	BEDROOM	28	84	28	84	0.0	0.0						
R2/782	W4/782	BEDROOM	28	86	28	86	0.0	0.0	30	99	30	99	0.0	0.0
32 Gould Road, Crane Mews														

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R1/800	W1/800		19	71	19	69	0.0	2.8	19	71	19	69	0.0	2.8
R1/801	W1/801		25	72	25	71	0.0	1.4	25	72	25	71	0.0	1.4
3 Mereway Cottages, Mereway Road														
R1/810	w1/810	ASSUMED	26	79	25	78	3.8	1.3						
R1/810	W2/810	ASSUMED	14	48	12	46	14.3	4.2						
R1/810	W3/810	ASSUMED	14	45	12	43	14.3	4.4						
R1/810	W4/810	ASSUMED	23	67	22	66	4.3	1.5						
R1/810	W5/810	ASSUMED	12	34	11	33	8.3	2.9						
R1/810	W6/810	ASSUMED	24	81	24	81	0.0	0.0						
R1/810	W7/810	ASSUMED	23	79	21	77	8.7	2.5	30	99	28	97	6.7	2.0
R2/810	W8/810	ASSUMED	23	76	21	74	8.7	2.6						
R2/810	W9/810	ASSUMED	11	41	10	40	9.1	2.4						
R2/810	W12/810	ASSUMED	25	92	23	90	8.0	2.2						
R2/810	W13/810	ASSUMED	23	90	23	90	0.0	0.0	28	95	26	93	7.1	2.1
R3/810	W10/810	ASSUMED	13	46	13	46	0.0	0.0						
R3/810	W11/810	ASSUMED	24	82	23	81	4.2	1.2						
R3/810	W14/810	ASSUMED	29	97	27	95	6.9	2.1						
R3/810	W15/810	ASSUMED	21	67	21	67	0.0	0.0	29	97	27	95	6.9	2.1
R4/810	W16/810	BEDROOM	25	82	24	81	4.0	1.2						
R4/810	W17/810	BEDROOM	27	95	27	95	0.0	0.0	27	95	27	95	0.0	0.0
R6/810	W19/810	BEDROOM	23	69	22	67	4.3	2.9						
R6/810	W20/810	BEDROOM	12	46	10	44	16.7	4.3						

Room	Window	Room Use	Window						Room					
			Existing		Proposed		Winter %Loss	Annual %Loss	Existing		Proposed		Winter %Loss	Annual %Loss
			Winter APSH	Annual APSH	Winter APSH	Annual APSH			Winter APSH	Annual APSH	Winter APSH	Annual APSH		
R6/810	W21/810	BEDROOM	13	47	10	44	23.1	6.4						
R6/810	W22/810	BEDROOM	24	76	23	75	4.2	1.3	25	82	24	81	4.0	1.2
R1/820	W1/820	ASSUMED	16	52	16	52	0.0	0.0						
R1/820	W2/820	ASSUMED	16	51	17	52	-6.3	-2.0						
R1/820	W3/820	ASSUMED	21	78	21	77	0.0	1.3						
R1/820	W4/820	ASSUMED	21	76	22	76	-4.8	0.0						
R1/820	W5/820	ASSUMED	21	76	23	77	-9.5	-1.3	25	93	24	91	4.0	2.2
R1/830	W1/830	ASSUMED	21	76	23	77	-9.5	-1.3						
R1/830	W2/830	ASSUMED	21	70	22	70	-4.8	0.0	22	78	23	78	-4.5	0.0

Appendix 3 Overshadowing Sun Hours on Ground Assessment





Sources: Point2Surveyors
 Scan Data (received 28/08/18)
 Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
 Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 04/02/19)
 A2871 Greggs - North.dwg
 A2871 Greggs - South.dwg

Key:

- Area analysed
- Area with more than 2 hours of direct sunlight
- Area with less than 2 hours of direct sunlight

50% Percentage of area with more than 2 hours of direct sunlight

Project: Greggs, Twickenham

Title: BRE 2 Hour Sunlight Test
 Proposed Scheme 04/02/19
 March 21st

Point 2 Surveyors Ltd,
 3rd Floor,
 17 Slingsby Place,
 London WC2E 9AB
 0207 836 5828
 www.point2surveyors.com



Scheme Confirmed: - Date: -

Drawn By: JG/BZW

Scale: 1:1000 @ A3

Date: FEB 19

Dwg No: P1886/SHA/05

Rel: 04



Sources: Point2Surveyors
 Scan Data (received 28/08/18)
 Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
 Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 04/02/19)
 A2871 Greggs - North.dwg
 A2871 Greggs - South.dwg

Key:

- Area analysed
- Area with more than 2 hours of direct sunlight
- Area with less than 2 hours of direct sunlight

50% Percentage of area with more than 2 hours of direct sunlight

Project: Greggs, Twickenham

Title: BRE 2 Hour Sunlight Test
 Proposed Scheme 04/02/19
 June 21st

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Scheme Confirmed: - Date: -

Drawn By: JG/BZW

Scale: 1:1000 @ A3

Date: FEB 19

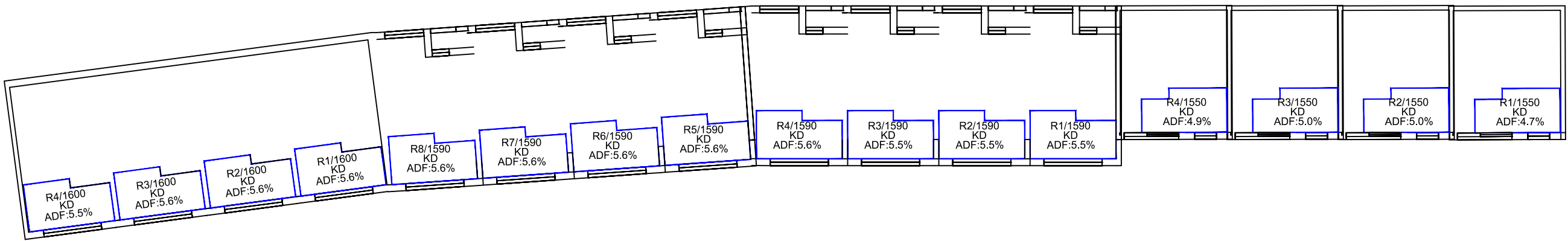
Dwg No: P1886/SHA/06

Rel: 04

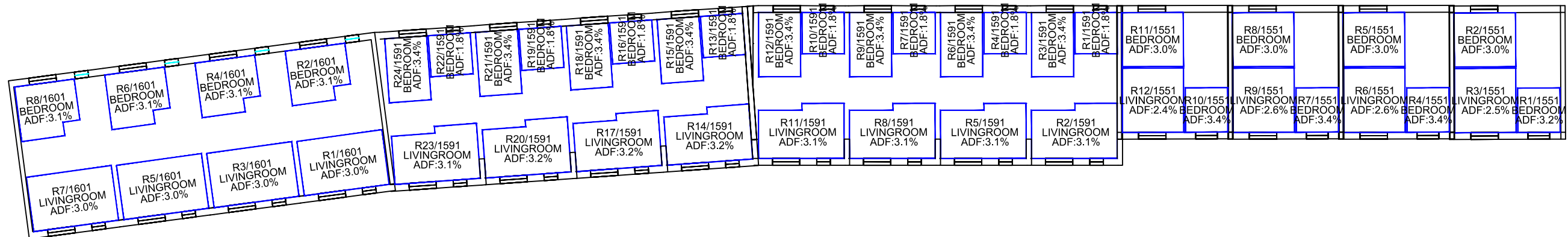
Appendix 4 Property Window Maps



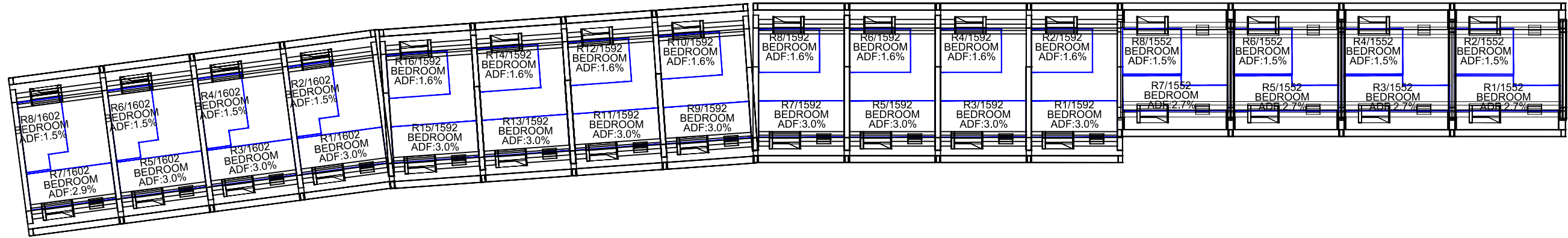
BLOCK D - GROUND FLOOR



BLOCK D - FIRST FLOOR



BLOCK D - SECOND FLOOR



Sources: Point2Surveyors
Scan Data (received 28/08/18)
Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 11/02/19)
A2871 600 Unit Plans.dwg
A2871 3D Model - Proposal only.dwg
Block A and F Plans (received 13/02/19)
A2871 612-617-R4.dwg

Key:



Project: Greggs, Twickenham

Title: Internal Room Layouts and ADF
Results
Proposed Scheme 13/02/2019

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Scheme Confirmed: -

Date: -

Drawn By: JG/BZW

Scale: 1:300 @ A3

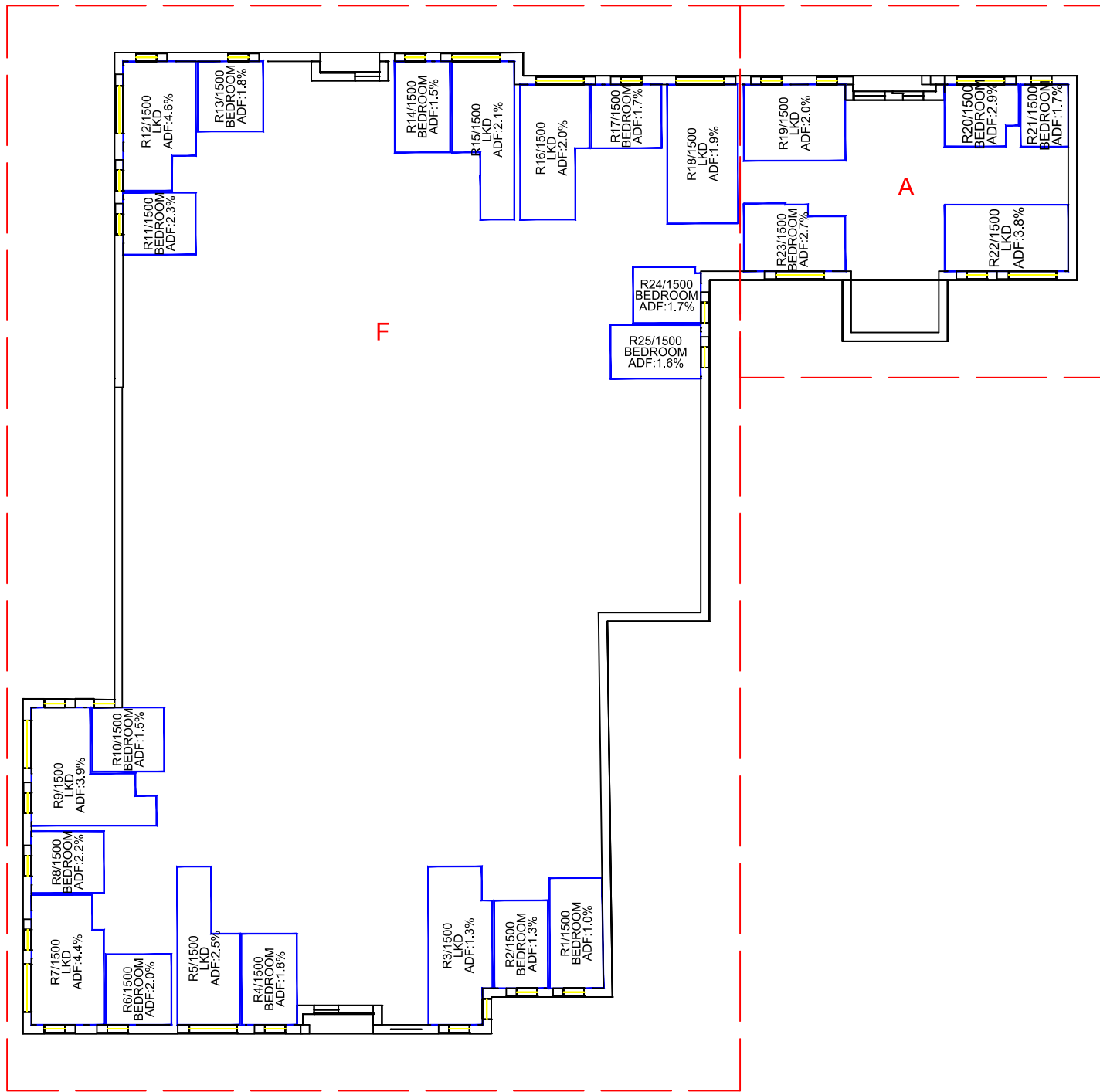
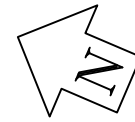
Date: FEB 19

Dwg No: P1886_I_08

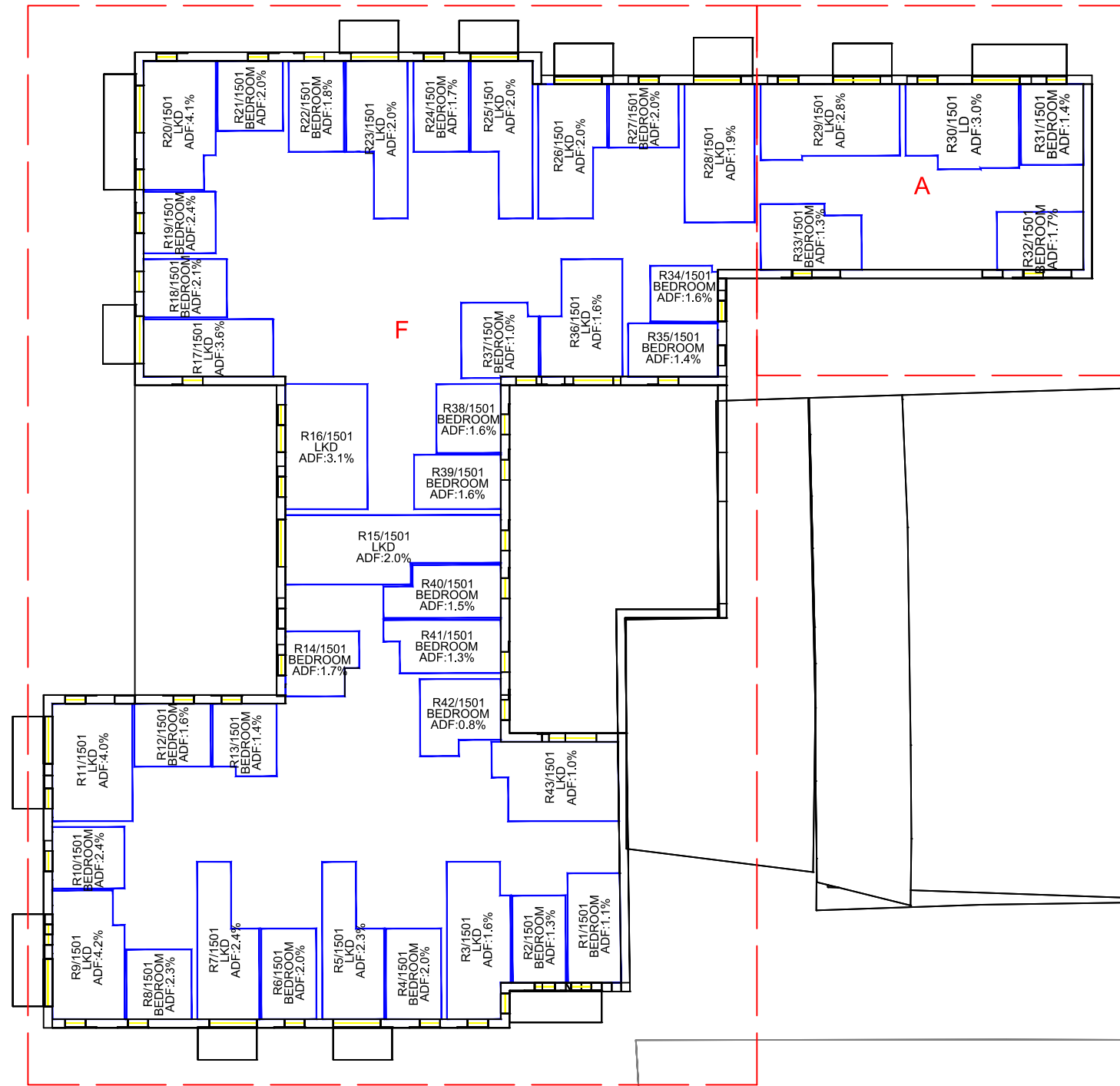
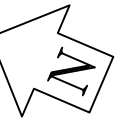
Rel: 05



BLOCKS A AND F - GROUND FLOOR



BLOCKS A AND F - FIRST FLOOR



Sources: Point2Surveyors
Scan Data (received 28/08/18)
Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 11/02/19)
A2871 600 Unit Plans.dwg
A2871 3D Model - Proposal only.dwg
Block A and F Plans (received 13/02/19)
A2871 612-617-R4.dwg

Key:



Project: Greggs, Twickenham

Title: Internal Room Layouts and ADF
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Date: -

Drawn By: JG/BZW

Scale: 1:300 @ A3

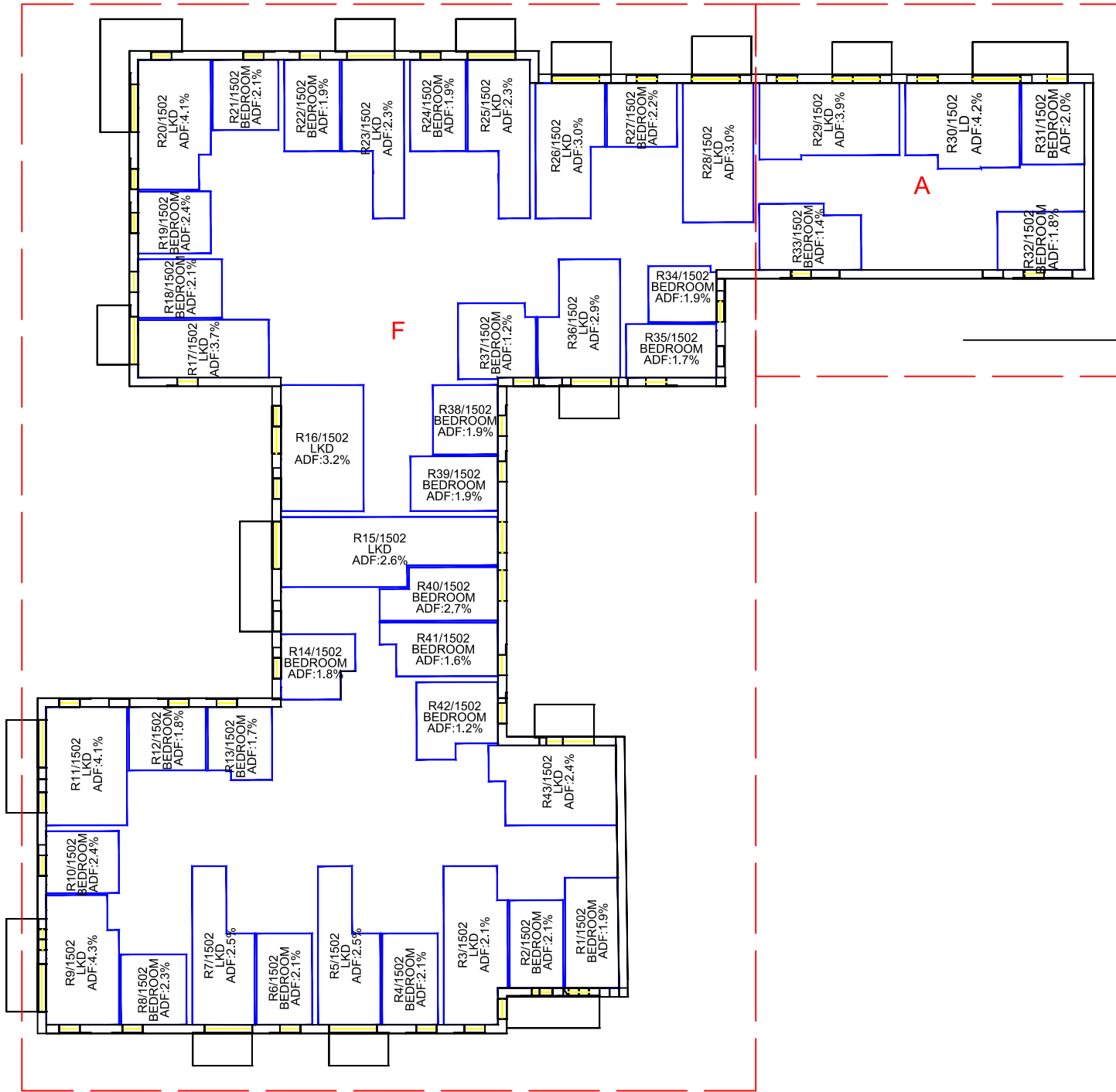
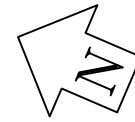
Date: FEB 19

Dwg No: P1886_I_09

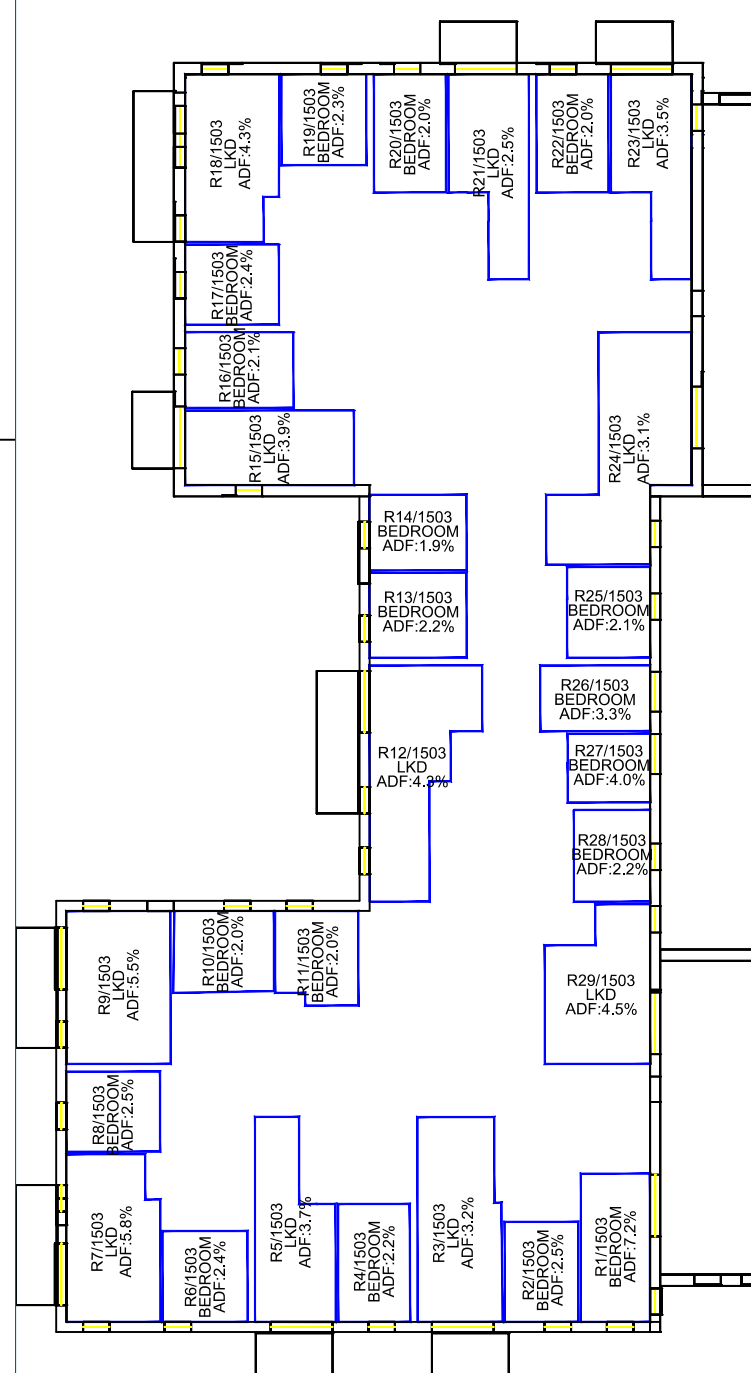
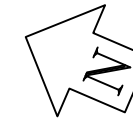
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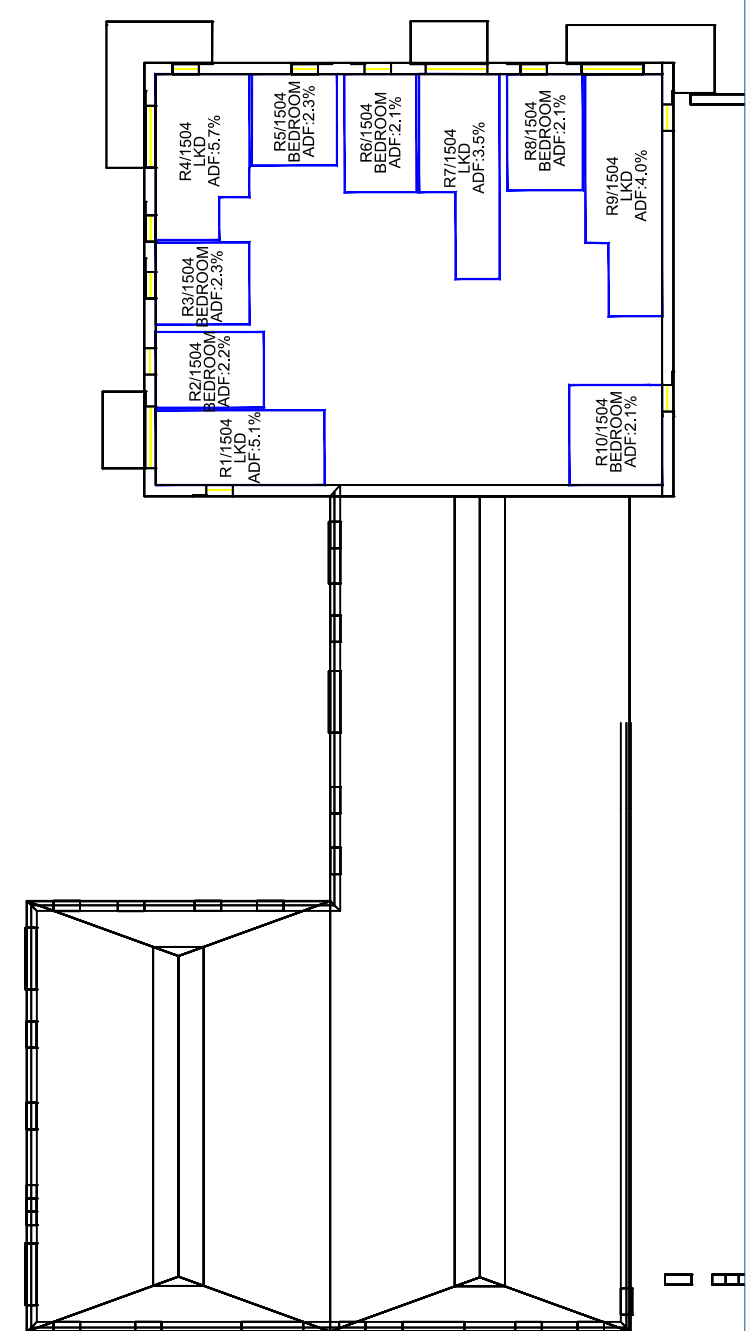
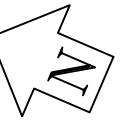
BLOCKS A AND F - SECOND FLOOR



BLOCK F - THIRD FLOOR



BLOCK F - FOURTH FLOOR



Sources: Point2Surveyors
 Scan Data (received 28/08/18)
 Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
 Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 11/02/19)
 A2871 600 Unit Plans.dwg
 A2871 3D Model - Proposal only.dwg
 Block A and F Plans (received 13/02/19)
 A2871 612-617-R4.dwg

Key:



Project: Greggs, Twickenham

Title: Internal Room Layouts and ADF Results
 Proposed Scheme 13/02/2019

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Date: -

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Scale: 1:300 @ A3

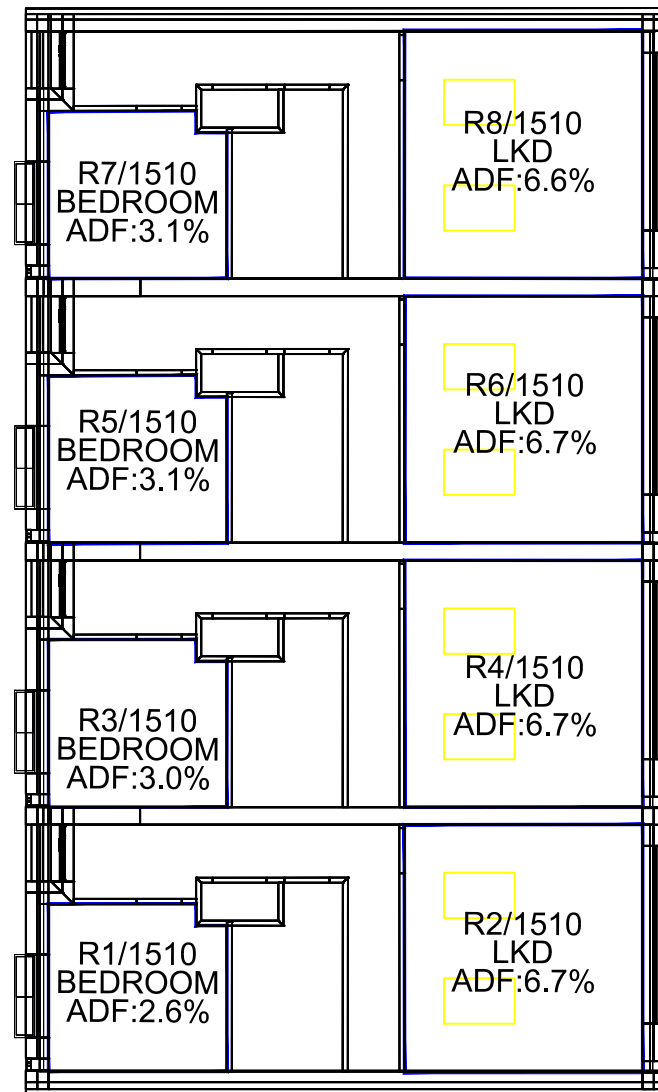
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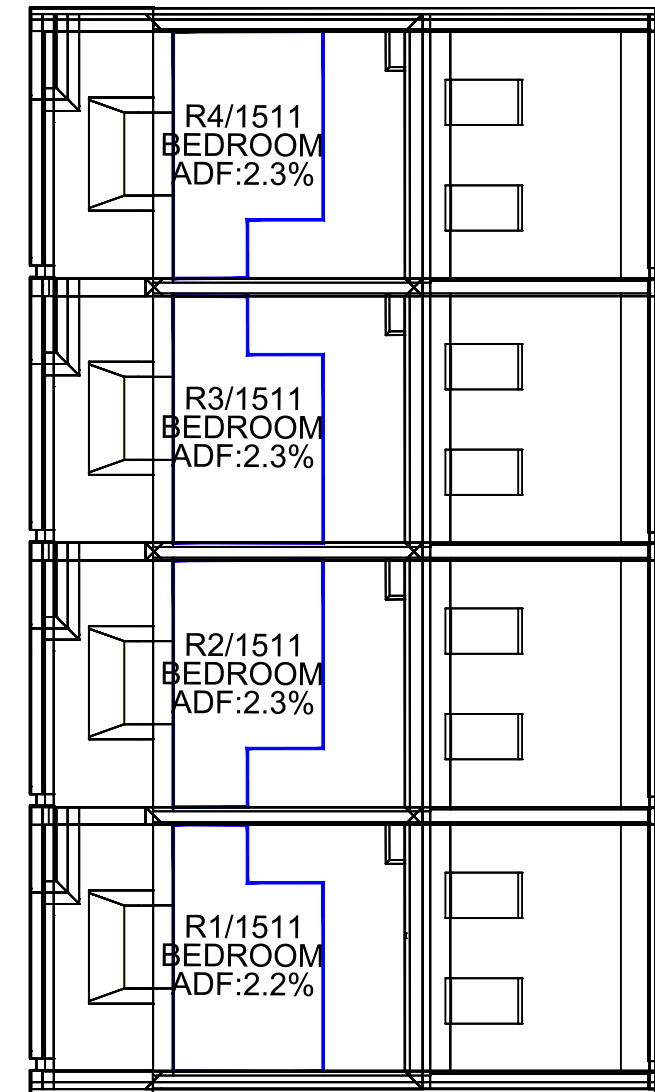
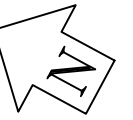
Rel: 05



BLOCK G - GROUND FLOOR



BLOCK G - FIRST FLOOR



Sources: Point2Surveyors
 Scan Data (received 28/08/18)
 Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
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Scale: 1:150 @ A3

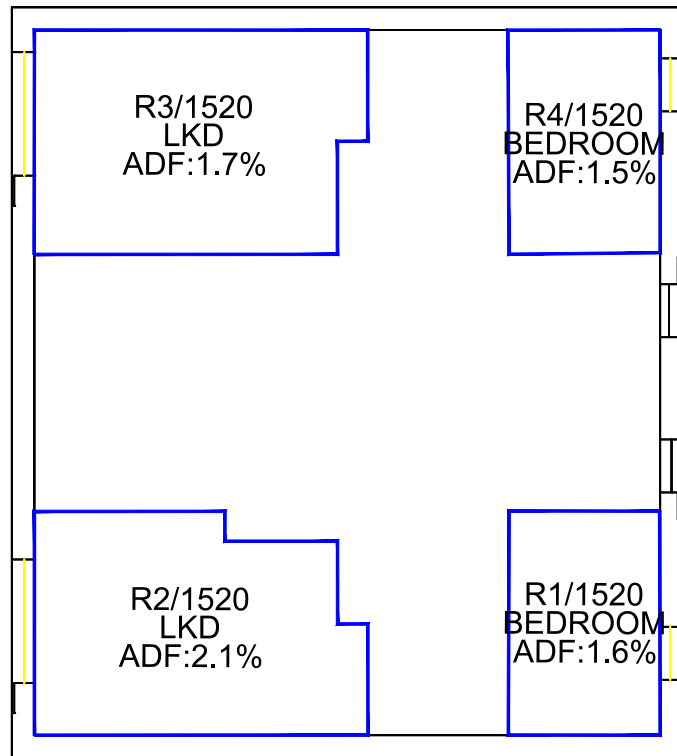
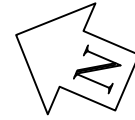
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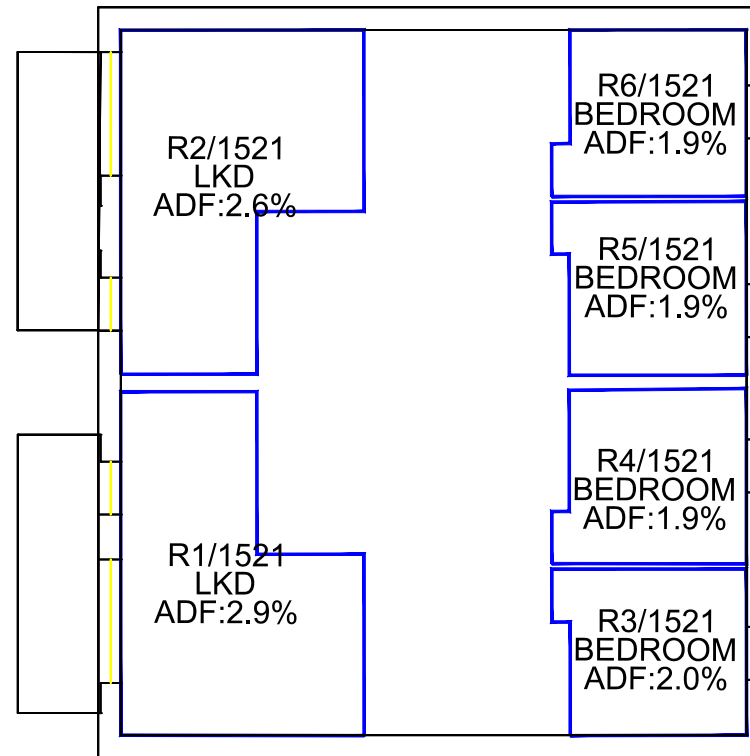
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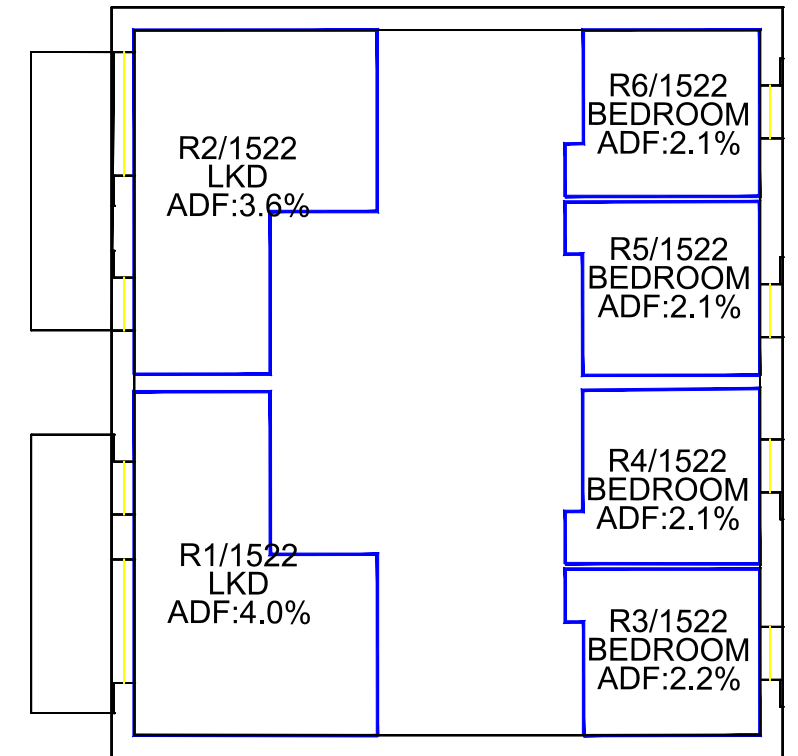
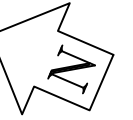
BLOCK E - GROUND FLOOR



BLOCK E - FIRST FLOOR



BLOCK E - SECOND FLOOR



Sources: Point2Surveyors
Scan Data (received 28/08/18)
Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
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A2871 612-617-R4.dwg

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Scale: 1:150 @ A3

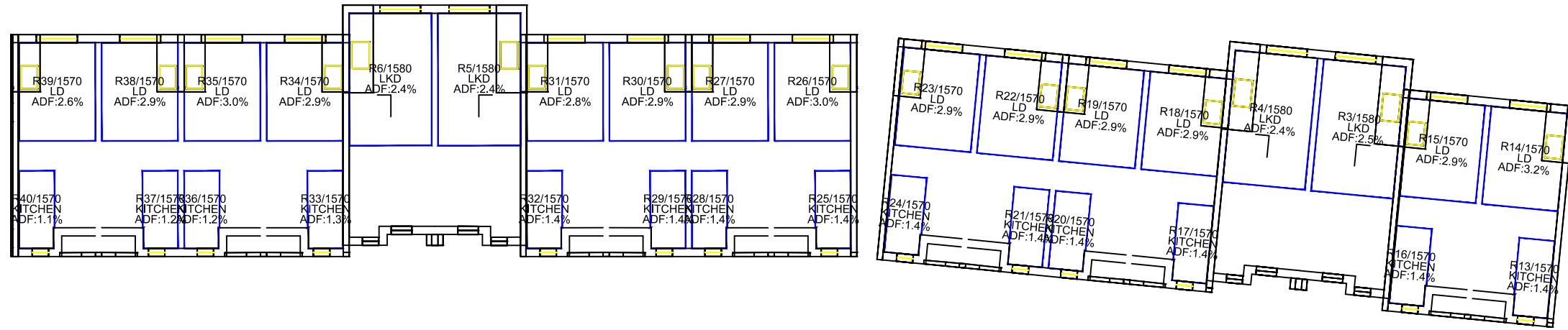
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Dwg No: **P1886_I_12**

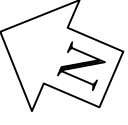
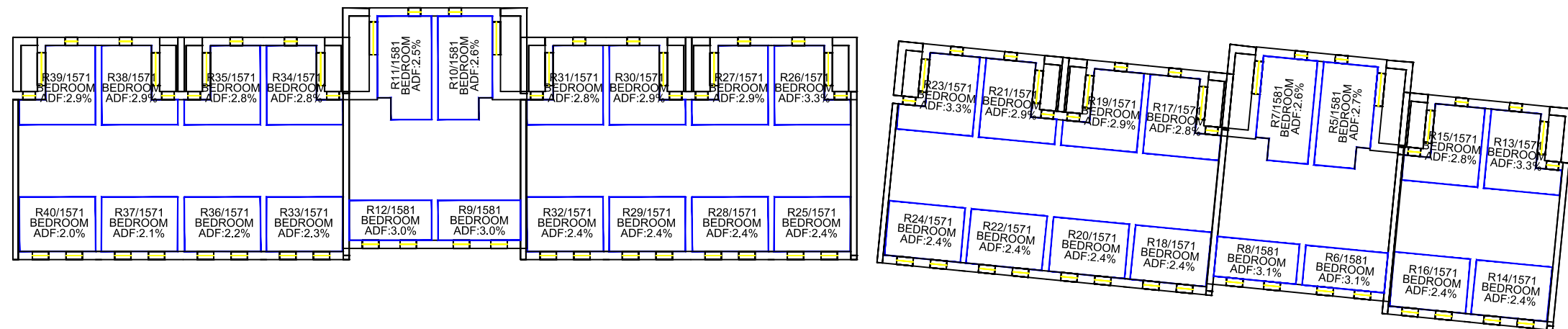
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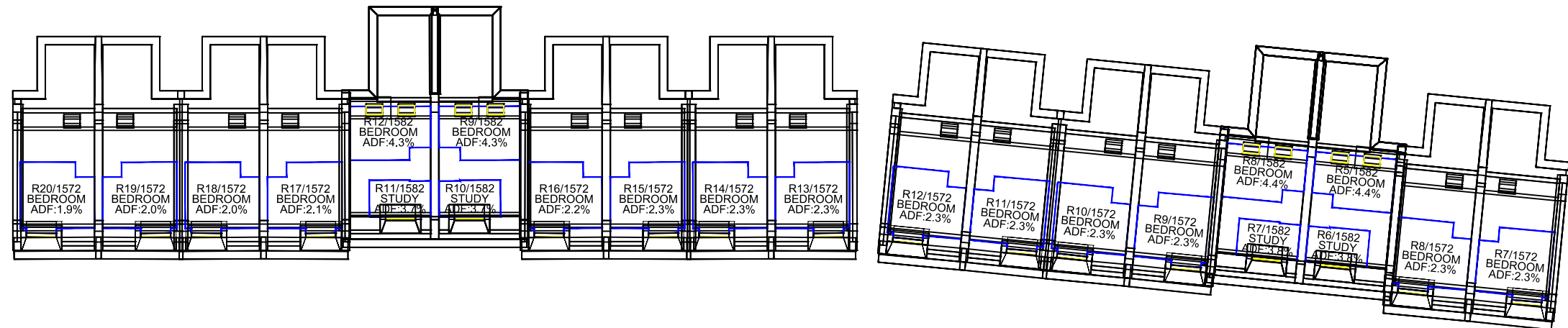
BLOCK C - GROUND FLOOR



BLOCK C - FIRST FLOOR



BLOCK C - SECOND FLOOR



Sources: Point2Surveyors
Scan Data (received 28/08/18)
Greggs Twickenham_UpdateAug2018_Recap.rcp

Site Photos (received 17/08/18)
Surrounding Elevs/IMG_1144-1912.jpg

Proposed Scheme (received 11/02/19)
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A2871 3D Model - Proposal only.dwg
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A2871 612-617-R4.dwg

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Drawn By: JG/BZW

Scale: 1:300 @ A3

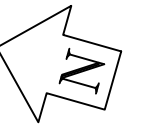
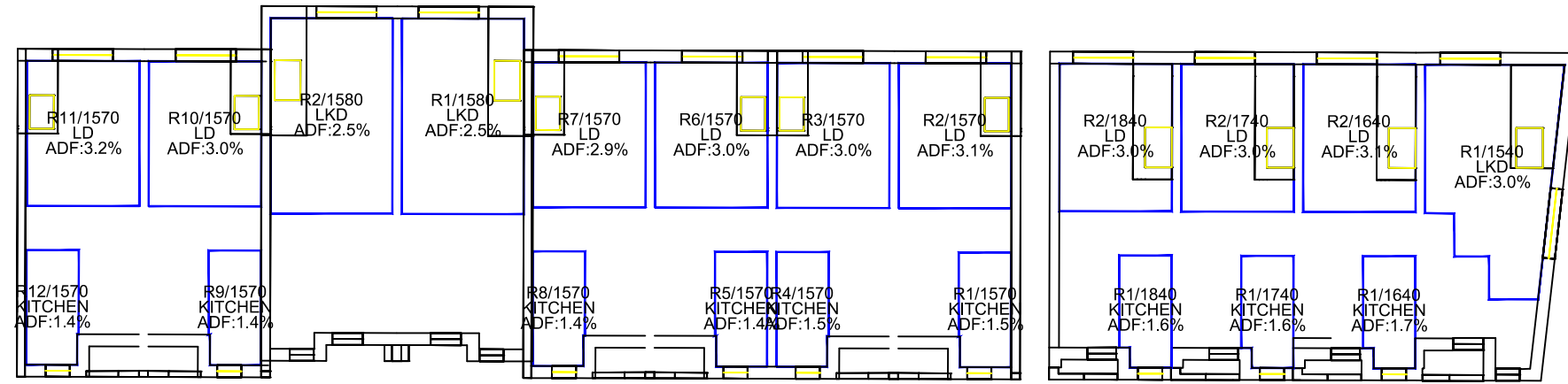
Date: FEB 19

Dwg No: **P1886_I_13**

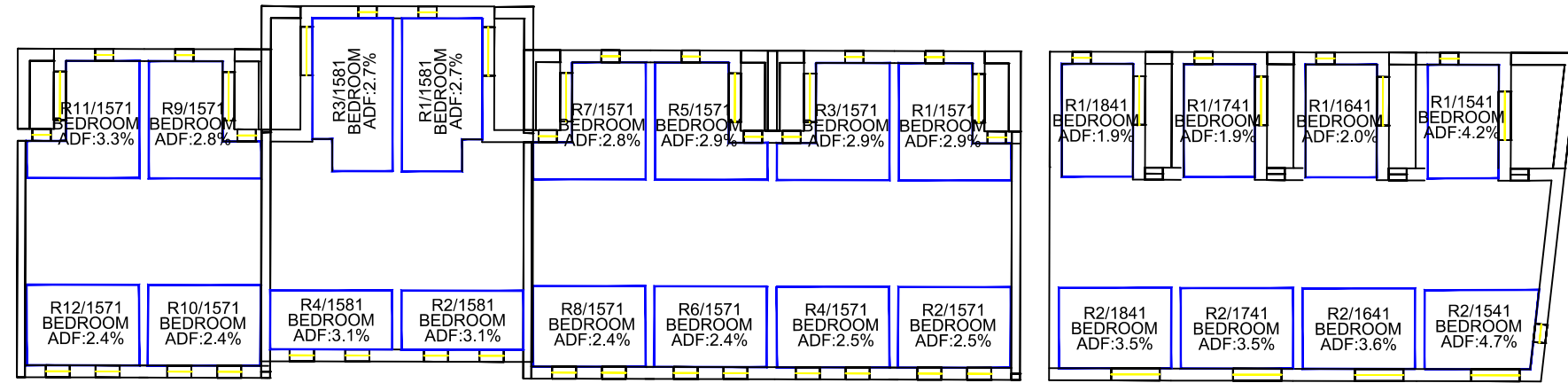
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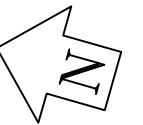
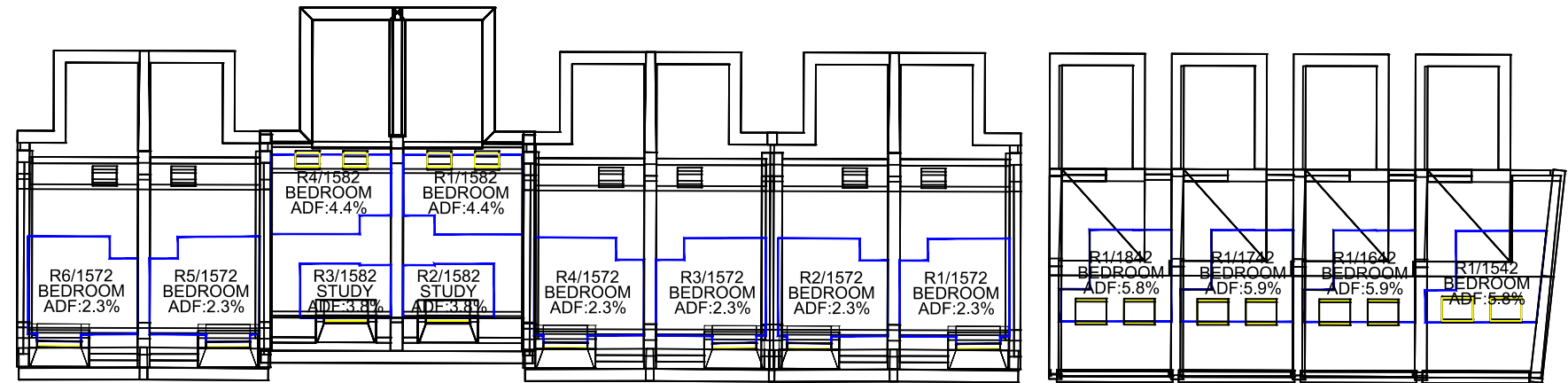
BLOCK C - GROUND FLOOR



BLOCK C - GROUND FLOOR



BLOCK C - GROUND FLOOR



Sources: Point2Surveyors
Scan Data (received 28/08/18)
Greggs Twickenham_UpdateAug2018_Recap.rcp

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A2871 612-617-R4.dwg

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Scale: 1:250 @ A3

Date: FEB 19

Dwg No: P1886_I_14

Rel: 05



Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
Block D1-D4					
R1/1550	KD	W1/1550	30.44	1.63	
R1/1550	KD	W2/1550	30.39	3.10	4.7
R2/1550	KD	W3/1550	33.33	1.74	
R2/1550	KD	W4/1550	32.63	3.24	5.0
R3/1550	KD	W5/1550	33.79	1.75	
R3/1550	KD	W6/1550	33.12	3.28	5.0
R4/1550	KD	W7/1550	33.38	1.75	
R4/1550	KD	W8/1550	31.08	3.11	4.9
R1/1551	BEDROOM	W1/1551	34.56	3.24	3.2
R2/1551	BEDROOM	W2/1551	31.40	3.03	3.0
R3/1551	LIVINGROOM	W3/1551	35.76	2.51	2.5
R4/1551	BEDROOM	W4/1551	36.32	3.37	3.4
R5/1551	BEDROOM	W5/1551	31.26	3.03	3.0
R6/1551	LIVINGROOM	W6/1551	36.54	2.55	2.6
R7/1551	BEDROOM	W7/1551	36.63	3.38	3.4
R8/1551	BEDROOM	W8/1551	31.25	3.03	3.0
R9/1551	LIVINGROOM	W9/1551	36.62	2.56	2.6
R10/1551	BEDROOM	W10/1551	36.46	3.38	3.4
R11/1551	BEDROOM	W11/1551	31.18	3.02	3.0
R12/1551	LIVINGROOM	W12/1551	33.66	2.40	2.4
R1/1552	BEDROOM	W1/1552	51.82	1.45	
R1/1552	BEDROOM	W3/1552	38.01	1.22	2.7
R2/1552	BEDROOM	W2/1552	36.29	1.53	1.5
R3/1552	BEDROOM	W4/1552	52.26	1.46	
R3/1552	BEDROOM	W6/1552	38.33	1.23	2.7

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R4/1552	BEDROOM	W5/1552	36.26	1.53	1.5
R5/1552	BEDROOM	W7/1552	52.34	1.46	
R5/1552	BEDROOM	W9/1552	38.37	1.23	2.7
R6/1552	BEDROOM	W8/1552	36.24	1.53	1.5
R7/1552	BEDROOM	W10/1552	52.32	1.46	
R7/1552	BEDROOM	W12/1552	35.33	1.21	2.7
R8/1552	BEDROOM	W11/1552	36.22	1.53	1.5
Block D5-D8					
R1/1590	KD	W1/1590	32.81	5.51	5.5
R2/1590	KD	W2/1590	32.83	5.53	5.5
R3/1590	KD	W3/1590	32.89	5.55	5.5
R4/1590	KD	W4/1590	32.90	5.55	5.6
R1/1591	BEDROOM	W1/1591	31.90	1.83	1.8
R2/1591	LIVINGROOM	W2/1591	36.51	0.95	
R2/1591	LIVINGROOM	W4/1591	36.51	2.20	3.1
R3/1591	BEDROOM	W3/1591	31.14	3.44	3.4
R4/1591	BEDROOM	W5/1591	32.00	1.84	1.8
R5/1591	LIVINGROOM	W6/1591	36.49	0.95	
R5/1591	LIVINGROOM	W8/1591	36.47	2.20	3.1
R6/1591	BEDROOM	W7/1591	31.04	3.44	3.4
R7/1591	BEDROOM	W9/1591	31.75	1.82	1.8
R8/1591	LIVINGROOM	W10/1591	36.51	0.95	
R8/1591	LIVINGROOM	W12/1591	36.49	2.19	3.1
R9/1591	BEDROOM	W11/1591	30.94	3.43	3.4
R10/1591	BEDROOM	W13/1591	31.70	1.82	1.8

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R11/1591	LIVINGROOM	W14/1591	36.49	0.95	
R11/1591	LIVINGROOM	W16/1591	36.50	2.20	3.1
R12/1591	BEDROOM	W15/1591	30.86	3.42	3.4
R1/1592	BEDROOM	W1/1592	50.88	1.57	
R1/1592	BEDROOM	W3/1592	38.35	1.39	3.0
R2/1592	BEDROOM	W2/1592	36.21	1.60	1.6
R3/1592	BEDROOM	W4/1592	50.79	1.57	
R3/1592	BEDROOM	W6/1592	38.32	1.39	3.0
R4/1592	BEDROOM	W5/1592	36.19	1.60	1.6
R5/1592	BEDROOM	W7/1592	50.79	1.57	
R5/1592	BEDROOM	W9/1592	38.34	1.39	3.0
R6/1592	BEDROOM	W8/1592	36.14	1.60	1.6
R7/1592	BEDROOM	W10/1592	50.78	1.57	
R7/1592	BEDROOM	W12/1592	38.31	1.39	3.0
R8/1592	BEDROOM	W11/1592	36.11	1.60	1.6
Block D9-C12					
R5/1590	KD	W5/1590	32.97	5.57	5.6
R6/1590	KD	W6/1590	33.01	5.57	5.6
R7/1590	KD	W7/1590	33.09	5.57	5.6
R8/1590	KD	W8/1590	33.08	5.57	5.6
R13/1591	BEDROOM	W17/1591	31.62	1.82	1.8
R14/1591	LIVINGROOM	W18/1591	36.53	0.95	
R14/1591	LIVINGROOM	W20/1591	36.54	2.20	3.2
R15/1591	BEDROOM	W19/1591	30.85	3.42	3.4
R16/1591	BEDROOM	W21/1591	31.66	1.82	1.8

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R17/1591	LIVINGROOM	W22/1591	36.51	0.95	
R17/1591	LIVINGROOM	W24/1591	36.50	2.20	3.2
R18/1591	BEDROOM	W23/1591	30.89	3.42	3.4
R19/1591	BEDROOM	W25/1591	31.71	1.82	1.8
R20/1591	LIVINGROOM	W26/1591	36.48	0.95	
R20/1591	LIVINGROOM	W28/1591	36.48	2.20	3.2
R21/1591	BEDROOM	W27/1591	30.97	3.43	3.4
R22/1591	BEDROOM	W29/1591	31.98	1.84	1.8
R23/1591	LIVINGROOM	W30/1591	36.43	0.95	
R23/1591	LIVINGROOM	W32/1591	36.40	2.20	3.1
R24/1591	BEDROOM	W31/1591	31.09	3.44	3.4
R9/1592	BEDROOM	W13/1592	50.82	1.57	
R9/1592	BEDROOM	W15/1592	38.34	1.39	3.0
R10/1592	BEDROOM	W14/1592	36.09	1.60	1.6
R11/1592	BEDROOM	W16/1592	50.77	1.57	
R11/1592	BEDROOM	W18/1592	38.30	1.39	3.0
R12/1592	BEDROOM	W17/1592	36.08	1.60	1.6
R13/1592	BEDROOM	W19/1592	50.72	1.57	
R13/1592	BEDROOM	W21/1592	38.24	1.39	3.0
R14/1592	BEDROOM	W20/1592	36.10	1.60	1.6
R15/1592	BEDROOM	W22/1592	50.68	1.57	
R15/1592	BEDROOM	W24/1592	38.19	1.39	3.0
R16/1592	BEDROOM	W23/1592	36.15	1.60	1.6
Block D13-16					
R1/1600	KD	W1/1600	33.07	5.60	5.6
R2/1600	KD	W2/1600	33.02	5.59	5.6

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R3/1600	KD	W3/1600	32.83	5.57	5.6
R4/1600	KD	W4/1600	31.98	5.50	5.5
R1/1601	LIVINGROOM	W1/1601	36.43	0.92	
R1/1601	LIVINGROOM	W3/1601	36.39	2.12	3.0
R2/1601	BEDROOM	W2/1601	30.97	3.12	3.1
R3/1601	LIVINGROOM	W4/1601	36.33	0.92	
R3/1601	LIVINGROOM	W6/1601	36.29	2.12	3.0
R4/1601	BEDROOM	W5/1601	31.08	3.13	3.1
R5/1601	LIVINGROOM	W7/1601	36.20	0.92	
R5/1601	LIVINGROOM	W9/1601	36.09	2.11	3.0
R6/1601	BEDROOM	W8/1601	31.15	3.13	3.1
R7/1601	LIVINGROOM	W10/1601	35.96	0.92	
R7/1601	LIVINGROOM	W12/1601	35.82	2.10	3.0
R8/1601	BEDROOM	W11/1601	31.00	3.13	3.1
R1/1602	BEDROOM	W1/1602	50.65	1.56	
R1/1602	BEDROOM	W3/1602	38.16	1.39	3.0
R2/1602	BEDROOM	W2/1602	36.06	1.48	1.5
R3/1602	BEDROOM	W4/1602	50.60	1.56	
R3/1602	BEDROOM	W7/1602	38.04	1.39	3.0
R4/1602	BEDROOM	W5/1602	36.08	1.48	1.5
R5/1602	BEDROOM	W8/1602	50.47	1.56	
R5/1602	BEDROOM	W11/1602	37.90	1.39	3.0
R6/1602	BEDROOM	W10/1602	36.06	1.48	1.5
R7/1602	BEDROOM	W12/1602	50.30	1.56	
R7/1602	BEDROOM	W15/1602	37.23	1.38	2.9
R8/1602	BEDROOM	W14/1602	35.75	1.48	1.5

Block A

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R19/1500	LKD	W26/1500	20.88	0.91	
R19/1500	LKD	W27/1500	23.93	1.06	2.0
R20/1500	BEDROOM	W25/1500	17.33	2.90	2.9
R21/1500	BEDROOM	W24/1500	18.98	1.69	1.7
R22/1500	LKD	W22/1500	26.18	1.00	
R22/1500	LKD	W23/1500	31.29	2.84	3.8
R23/1500	BEDROOM	W21/1500	20.97	2.72	2.7
R29/1501	LKD	W39/1501	22.21	1.86	
R29/1501	LKD	W40/1501	30.02	0.96	2.8
R30/1501	LD	W37/1501	21.01	1.93	
R30/1501	LD	W38/1501	29.81	1.03	3.0
R31/1501	BEDROOM	W36/1501	23.23	1.40	1.4
R32/1501	BEDROOM	W42/1501	35.83	1.69	1.7
R33/1501	BEDROOM	W43/1501	30.28	1.28	1.3
R29/1502	LKD	W39/1502	36.88	2.82	
R29/1502	LKD	W40/1502	36.76	1.07	3.9
R30/1502	LD	W37/1502	37.06	3.07	
R30/1502	LD	W38/1502	36.97	1.17	4.2
R31/1502	BEDROOM	W36/1502	37.13	2.03	2.0
R32/1502	BEDROOM	W42/1502	38.22	1.78	1.8
R33/1502	BEDROOM	W43/1502	35.01	1.42	1.4
Block F					
R1/1500	BEDROOM	W18/1500	15.44	1.04	1.0
R2/1500	BEDROOM	W17/1500	15.74	1.26	1.3
R3/1500	LKD	W15/1500	27.13	0.91	
R3/1500	LKD	W16/1500	8.02	0.43	1.3

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R4/1500	BEDROOM	W14/1500	28.67	1.76	1.8
R5/1500	LKD	W13/1500	25.66	2.45	2.5
R6/1500	BEDROOM	W12/1500	33.50	2.05	2.0
R7/1500	LKD	W9/1500	29.67	0.94	
R7/1500	LKD	W10/1500	29.37	2.42	
R7/1500	LKD	W11/1500	34.42	1.07	4.4
R8/1500	BEDROOM	W8/1500	35.63	2.23	2.2
R9/1500	LKD	W5/1500	27.21	0.81	
R9/1500	LKD	W6/1500	30.14	2.20	
R9/1500	LKD	W7/1500	31.25	0.88	3.9
R10/1500	BEDROOM	W4/1500	21.53	1.54	1.5
R11/1500	BEDROOM	W3/1500	36.89	2.28	2.3
R12/1500	LKD	W1/1500	30.21	2.55	
R12/1500	LKD	W2/1500	32.30	1.05	
R12/1500	LKD	W34/1500	29.82	0.97	4.6
R13/1500	BEDROOM	W33/1500	28.80	1.77	1.8
R14/1500	BEDROOM	W32/1500	23.70	1.50	1.5
R15/1500	LKD	W31/1500	20.37	2.05	2.1
R16/1500	LKD	W30/1500	19.16	2.02	2.0
R17/1500	BEDROOM	W29/1500	24.79	1.71	1.7
R18/1500	LKD	W28/1500	19.82	1.89	1.9
R24/1500	BEDROOM	W20/1500	19.45	1.66	1.7
R25/1500	BEDROOM	W19/1500	23.96	1.58	1.6
R1/1501	BEDROOM	W22/1501	18.78	1.13	1.1
R2/1501	BEDROOM	W2/1501	17.45	1.30	1.3

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R3/1501	LKD	W3/1501	8.71	0.44	
R3/1501	LKD	W4/1501	35.10	1.15	1.6
R4/1501	BEDROOM	W5/1501	33.83	1.97	2.0
R5/1501	LKD	W6/1501	23.94	2.30	2.3
R6/1501	BEDROOM	W7/1501	33.28	2.02	2.0
R7/1501	LKD	W8/1501	24.70	2.36	2.4
R8/1501	BEDROOM	W9/1501	36.95	2.26	2.3
R9/1501	LKD	W10/1501	37.90	1.17	
R9/1501	LKD	W20/1501	26.68	0.85	
R9/1501	LKD	W21/1501	26.32	2.18	4.2
R10/1501	BEDROOM	W19/1501	37.31	2.37	2.4
R11/1501	LKD	W14/1501	28.77	0.89	
R11/1501	LKD	W15/1501	26.49	2.15	
R11/1501	LKD	W16/1501	30.01	0.96	4.0
R12/1501	BEDROOM	W17/1501	24.23	1.61	1.6
R13/1501	BEDROOM	W18/1501	18.96	1.44	1.4
R14/1501	BEDROOM	W13/1501	21.02	1.70	1.7
R15/1501	LKD	W12/1501	18.04	1.32	
R15/1501	LKD	W50/1501	28.64	0.70	2.0
R16/1501	LKD	W1/1501	23.52	2.14	
R16/1501	LKD	W11/1501	27.23	1.00	3.1
R17/1501	LKD	W23/1501	22.75	0.97	
R17/1501	LKD	W24/1501	26.80	2.63	3.6
R18/1501	BEDROOM	W25/1501	35.78	2.13	2.1
R19/1501	BEDROOM	W26/1501	38.03	2.38	2.4
R20/1501	LKD	W27/1501	36.87	1.20	
R20/1501	LKD	W28/1501	27.09	2.24	
R20/1501	LKD	W29/1501	21.28	0.69	4.1

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R21/1501	BEDROOM	W30/1501	32.12	2.00	2.0
R22/1501	BEDROOM	W31/1501	29.52	1.78	1.8
R23/1501	LKD	W32/1501	19.81	1.98	2.0
R24/1501	BEDROOM	W33/1501	27.19	1.74	1.7
R25/1501	LKD	W34/1501	19.93	1.98	2.0
R26/1501	LKD	W55/1501	19.99	2.04	2.0
R27/1501	BEDROOM	W44/1501	29.90	2.01	2.0
R28/1501	LKD	W41/1501	20.63	1.94	1.9
R34/1501	BEDROOM	W35/1501	24.48	1.65	1.6
R35/1501	BEDROOM	W45/1501	26.09	1.44	1.4
R36/1501	LKD	W46/1501	13.21	1.56	1.6
R37/1501	BEDROOM	W47/1501	17.23	1.02	1.0
R38/1501	BEDROOM	W48/1501	21.36	1.57	1.6
R39/1501	BEDROOM	W49/1501	26.01	1.63	1.6
R40/1501	BEDROOM	W51/1501	28.32	1.50	1.5
R41/1501	BEDROOM	W52/1501	23.47	1.31	1.3
R42/1501	BEDROOM	W53/1501	15.27	0.83	0.8
R43/1501	LKD	W54/1501	7.55	0.99	1.0
R1/1502	BEDROOM	W22/1502	37.47	1.90	1.9
R2/1502	BEDROOM	W2/1502	33.43	2.09	2.1
R3/1502	LKD	W3/1502	23.22	0.89	
R3/1502	LKD	W4/1502	38.81	1.24	2.1
R4/1502	BEDROOM	W5/1502	37.66	2.12	2.1

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R5/1502	LKD	W6/1502	26.54	2.49	2.5
R6/1502	BEDROOM	W7/1502	36.62	2.12	2.1
R7/1502	LKD	W8/1502	26.67	2.49	2.5
R8/1502	BEDROOM	W9/1502	38.81	2.33	2.3
R9/1502	LKD	W10/1502	39.27	1.20	
R9/1502	LKD	W20/1502	27.36	0.87	
R9/1502	LKD	W21/1502	26.96	2.21	4.3
R10/1502	BEDROOM	W19/1502	38.42	2.38	2.4
R11/1502	LKD	W14/1502	29.34	0.90	
R11/1502	LKD	W15/1502	27.03	2.18	
R11/1502	LKD	W16/1502	32.60	1.02	4.1
R12/1502	BEDROOM	W17/1502	27.92	1.78	1.8
R13/1502	BEDROOM	W18/1502	23.04	1.66	1.7
R14/1502	BEDROOM	W13/1502	23.22	1.77	1.8
R15/1502	LKD	W12/1502	19.43	1.33	
R15/1502	LKD	W50/1502	35.99	1.27	2.6
R16/1502	LKD	W1/1502	25.00	2.19	
R16/1502	LKD	W11/1502	29.25	1.02	3.2
R17/1502	LKD	W23/1502	27.68	1.12	
R17/1502	LKD	W24/1502	26.95	2.63	3.7
R18/1502	BEDROOM	W25/1502	35.98	2.13	2.1
R19/1502	BEDROOM	W26/1502	37.49	2.35	2.4
R20/1502	LKD	W27/1502	28.79	0.92	
R20/1502	LKD	W28/1502	25.38	2.13	
R20/1502	LKD	W29/1502	34.67	1.11	4.1
R21/1502	BEDROOM	W30/1502	35.25	2.15	2.1
R22/1502	BEDROOM	W31/1502	32.76	1.92	1.9

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R23/1502	LKD	W32/1502	23.19	2.27	2.3
R24/1502	BEDROOM	W33/1502	30.99	1.91	1.9
R25/1502	LKD	W34/1502	23.49	2.29	2.3
R26/1502	LKD	W55/1502	31.24	3.01	3.0
R27/1502	BEDROOM	W44/1502	35.65	2.23	2.2
R28/1502	LKD	W41/1502	36.49	3.03	3.0
R34/1502	BEDROOM	W35/1502	31.47	1.95	1.9
R35/1502	BEDROOM	W45/1502	34.47	1.72	1.7
R36/1502	LKD	W46/1502	30.47	2.89	2.9
R37/1502	BEDROOM	W47/1502	22.21	1.16	1.2
R38/1502	BEDROOM	W48/1502	28.21	1.89	1.9
R39/1502	BEDROOM	W49/1502	33.36	1.92	1.9
R40/1502	BEDROOM	W51/1502	36.30	2.66	2.7
R41/1502	BEDROOM	W52/1502	33.39	1.63	1.6
R42/1502	BEDROOM	W53/1502	26.49	1.17	1.2
R43/1502	LKD	W54/1502	26.52	2.44	2.4
R1/1503	BEDROOM	W1/1503	39.60	1.55	
R1/1503	BEDROOM	W2/1503	39.59	4.09	
R1/1503	BEDROOM	W3/1503	39.62	1.59	7.2
R2/1503	BEDROOM	W4/1503	39.62	2.49	2.5
R3/1503	LKD	W5/1503	39.62	3.24	3.2
R4/1503	BEDROOM	W6/1503	39.62	2.24	2.2
R5/1503	LKD	W7/1503	39.62	3.65	3.7

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R6/1503	BEDROOM	W8/1503	39.62	2.42	2.4
R7/1503	LKD	W9/1503	39.62	1.25	
R7/1503	LKD	W10/1503	39.62	3.26	
R7/1503	LKD	W11/1503	39.62	1.25	5.8
R8/1503	BEDROOM	W12/1503	39.62	2.46	2.5
R9/1503	LKD	W13/1503	39.62	1.22	
R9/1503	LKD	W14/1503	39.62	3.19	
R9/1503	LKD	W15/1503	35.06	1.11	5.5
R10/1503	BEDROOM	W16/1503	32.98	2.03	2.0
R11/1503	BEDROOM	W17/1503	29.88	2.03	2.0
R12/1503	LKD	W18/1503	30.09	0.88	
R12/1503	LKD	W19/1503	34.28	0.95	
R12/1503	LKD	W20/1503	35.45	2.43	4.3
R13/1503	BEDROOM	W21/1503	33.57	2.15	2.2
R14/1503	BEDROOM	W43/1503	25.00	1.90	1.9
R15/1503	LKD	W22/1503	34.67	1.29	
R15/1503	LKD	W23/1503	27.04	2.62	3.9
R16/1503	BEDROOM	W24/1503	36.80	2.13	2.1
R17/1503	BEDROOM	W25/1503	39.26	2.38	2.4
R18/1503	LKD	W26/1503	38.76	1.20	
R18/1503	LKD	W27/1503	27.26	2.28	
R18/1503	LKD	W28/1503	25.70	0.82	4.3
R19/1503	BEDROOM	W29/1503	37.88	2.28	2.3
R20/1503	BEDROOM	W30/1503	35.86	2.04	2.0
R21/1503	LKD	W31/1503	25.81	2.46	2.5
R22/1503	BEDROOM	W32/1503	34.74	2.04	2.0
R23/1503	LKD	W33/1503	25.18	2.28	
R23/1503	LKD	W34/1503	35.59	1.22	3.5

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R24/1503	LKD	W35/1503	39.44	2.37	
R24/1503	LKD	W36/1503	33.42	0.70	3.1
R25/1503	BEDROOM	W37/1503	38.68	2.07	2.1
R26/1503	BEDROOM	W38/1503	39.39	3.33	3.3
R27/1503	BEDROOM	W39/1503	39.48	3.98	4.0
R28/1503	BEDROOM	W40/1503	39.57	2.19	2.2
R29/1503	LKD	W41/1503	39.58	1.08	
R29/1503	LKD	W42/1503	39.58	3.41	4.5
R1/1504	LKD	W1/1504	38.92	1.40	
R1/1504	LKD	W2/1504	39.61	3.71	5.1
R2/1504	BEDROOM	W3/1504	39.61	2.20	2.2
R3/1504	BEDROOM	W4/1504	39.61	2.35	2.3
R4/1504	LKD	W5/1504	39.61	3.27	
R4/1504	LKD	W6/1504	39.61	1.24	
R4/1504	LKD	W7/1504	39.36	1.24	5.7
R5/1504	BEDROOM	W8/1504	39.36	2.32	2.3
R6/1504	BEDROOM	W9/1504	39.35	2.15	2.1
R7/1504	LKD	W10/1504	39.35	3.54	3.5
R8/1504	BEDROOM	W11/1504	39.33	2.10	2.1
R9/1504	LKD	W12/1504	39.35	2.89	
R9/1504	LKD	W13/1504	39.61	1.10	4.0
R10/1504	BEDROOM	W14/1504	39.61	2.05	2.1
Block G1-G4					
R1/1510	BEDROOM	W5/1510	28.16	2.57	2.6
R2/1510	LKD	W1/1510	25.20	3.43	
R2/1510	LKD	W9/1510	90.83	1.64	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R2/1510	LKD	W10/1510	90.68	1.64	6.7
R3/1510	BEDROOM	W6/1510	35.46	3.04	3.0
R4/1510	LKD	W2/1510	25.37	3.43	
R4/1510	LKD	W11/1510	90.56	1.65	
R4/1510	LKD	W12/1510	90.45	1.65	6.7
R5/1510	BEDROOM	W7/1510	36.57	3.11	3.1
R6/1510	LKD	W3/1510	25.34	3.39	
R6/1510	LKD	W13/1510	90.24	1.65	
R6/1510	LKD	W14/1510	90.04	1.64	6.7
R7/1510	BEDROOM	W8/1510	36.43	3.08	3.1
R8/1510	LKD	W4/1510	24.77	3.35	
R8/1510	LKD	W15/1510	89.66	1.63	
R8/1510	LKD	W16/1510	89.48	1.62	6.6
R1/1511	BEDROOM	W1/1511	36.85	2.25	2.2
R2/1511	BEDROOM	W2/1511	38.54	2.29	2.3
R3/1511	BEDROOM	W3/1511	38.77	2.29	2.3
R4/1511	BEDROOM	W4/1511	38.77	2.28	2.3
Block E					
R1/1520	BEDROOM	W3/1520	24.75	1.60	1.6
R2/1520	LKD	W1/1520	23.59	2.11	2.1
R3/1520	LKD	W2/1520	17.85	1.71	1.7
R4/1520	BEDROOM	W4/1520	21.90	1.49	1.5
R1/1521	LKD	W5/1521	24.16	2.03	
R1/1521	LKD	W6/1521	24.83	0.84	2.9
R2/1521	LKD	W7/1521	25.22	0.85	
R2/1521	LKD	W8/1521	18.67	1.72	2.6
R3/1521	BEDROOM	W1/1521	30.32	1.97	2.0

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R4/1521	BEDROOM	W2/1521	30.21	1.90	1.9
R5/1521	BEDROOM	W3/1521	29.97	1.89	1.9
R6/1521	BEDROOM	W4/1521	28.34	1.88	1.9
R1/1522	LKD	W5/1522	37.16	2.91	
R1/1522	LKD	W6/1522	36.70	1.13	4.0
R2/1522	LKD	W7/1522	34.99	1.09	
R2/1522	LKD	W8/1522	30.98	2.51	3.6
R3/1522	BEDROOM	W1/1522	35.65	2.20	2.2
R4/1522	BEDROOM	W2/1522	35.60	2.13	2.1
R5/1522	BEDROOM	W3/1522	35.14	2.11	2.1
R6/1522	BEDROOM	W4/1522	33.76	2.11	2.1
Block C21-C30					
R25/1570	KITCHEN	W38/1570	26.80	1.44	1.4
R26/1570	LD	W37/1570	31.61	0.84	
R26/1570	LD	W39/1570	23.35	2.13	3.0
R27/1570	LD	W40/1570	23.81	2.16	
R27/1570	LD	W42/1570	23.48	0.75	2.9
R28/1570	KITCHEN	W41/1570	26.55	1.43	1.4
R29/1570	KITCHEN	W44/1570	26.40	1.43	1.4
R30/1570	LD	W43/1570	23.46	0.75	
R30/1570	LD	W45/1570	24.07	2.18	2.9
R31/1570	LD	W46/1570	22.37	2.09	
R31/1570	LD	W48/1570	22.99	0.75	2.8
R32/1570	KITCHEN	W47/1570	25.95	1.42	1.4
R33/1570	KITCHEN	W50/1570	24.04	1.33	1.3

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R34/1570	LD	W49/1570	23.00	0.75	
R34/1570	LD	W51/1570	22.78	2.15	2.9
R35/1570	LD	W52/1570	24.69	2.25	
R35/1570	LD	W54/1570	23.84	0.76	3.0
R36/1570	KITCHEN	W53/1570	21.95	1.22	1.2
R37/1570	KITCHEN	W56/1570	21.36	1.19	1.2
R38/1570	LD	W55/1570	23.82	0.76	
R38/1570	LD	W57/1570	22.63	2.11	2.9
R39/1570	LD	W58/1570	18.65	1.82	
R39/1570	LD	W60/1570	29.44	0.80	2.6
R40/1570	KITCHEN	W59/1570	20.22	1.13	1.1
R25/1571	BEDROOM	W62/1571	32.30	1.22	
R25/1571	BEDROOM	W64/1571	32.26	1.22	2.4
R26/1571	BEDROOM	W61/1571	19.26	0.57	
R26/1571	BEDROOM	W63/1571	24.48	2.01	
R26/1571	BEDROOM	W65/1571	30.84	0.70	3.3
R27/1571	BEDROOM	W67/1571	31.04	0.70	
R27/1571	BEDROOM	W69/1571	15.86	0.55	
R27/1571	BEDROOM	W70/1571	17.08	1.62	2.9
R28/1571	BEDROOM	W66/1571	32.18	1.22	
R28/1571	BEDROOM	W68/1571	32.10	1.22	2.4
R29/1571	BEDROOM	W72/1571	31.97	1.22	
R29/1571	BEDROOM	W74/1571	31.89	1.22	2.4
R30/1571	BEDROOM	W71/1571	15.80	0.55	
R30/1571	BEDROOM	W73/1571	16.97	1.61	
R30/1571	BEDROOM	W75/1571	31.21	0.71	2.9
R31/1571	BEDROOM	W77/1571	31.06	0.71	
R31/1571	BEDROOM	W79/1571	15.58	0.55	
R31/1571	BEDROOM	W80/1571	15.64	1.51	2.8
R32/1571	BEDROOM	W76/1571	31.73	1.22	
R32/1571	BEDROOM	W78/1571	31.58	1.21	2.4

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R33/1571	BEDROOM	W82/1571	29.47	1.14	
R33/1571	BEDROOM	W84/1571	28.81	1.12	2.3
R34/1571	BEDROOM	W81/1571	15.64	0.55	
R34/1571	BEDROOM	W83/1571	15.65	1.51	
R34/1571	BEDROOM	W85/1571	31.21	0.73	2.8
R35/1571	BEDROOM	W87/1571	31.68	0.75	
R35/1571	BEDROOM	W89/1571	16.87	0.58	
R35/1571	BEDROOM	W90/1571	16.13	1.52	2.8
R36/1571	BEDROOM	W86/1571	27.97	1.09	
R36/1571	BEDROOM	W88/1571	27.47	1.08	2.2
R37/1571	BEDROOM	W92/1571	26.84	1.06	
R37/1571	BEDROOM	W94/1571	26.43	1.04	2.1
R38/1571	BEDROOM	W91/1571	17.13	0.59	
R38/1571	BEDROOM	W93/1571	17.21	1.62	
R38/1571	BEDROOM	W95/1571	29.80	0.72	2.9
R39/1571	BEDROOM	W97/1571	26.87	0.64	
R39/1571	BEDROOM	W99/1571	14.59	0.45	
R39/1571	BEDROOM	W100/1571	22.31	1.85	2.9
R40/1571	BEDROOM	W96/1571	25.93	1.02	
R40/1571	BEDROOM	W98/1571	25.61	1.01	2.0
R13/1572	BEDROOM	W13/1572	36.79	2.26	2.3
R14/1572	BEDROOM	W14/1572	36.68	2.26	2.3
R15/1572	BEDROOM	W15/1572	36.59	2.25	2.3
R16/1572	BEDROOM	W16/1572	36.24	2.24	2.2
R17/1572	BEDROOM	W17/1572	34.34	2.13	2.1
R18/1572	BEDROOM	W18/1572	32.76	2.04	2.0
R19/1572	BEDROOM	W19/1572	32.13	2.00	2.0
R20/1572	BEDROOM	W20/1572	30.95	1.91	1.9

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R5/1580	LKD	W9/1580	32.74	0.84	
R5/1580	LKD	W10/1580	22.88	1.56	2.4
R6/1580	LKD	W11/1580	22.90	1.57	
R6/1580	LKD	W12/1580	32.88	0.84	2.4
R9/1581	BEDROOM	W17/1581	29.80	1.39	
R9/1581	BEDROOM	W19/1581	30.37	1.66	3.0
R10/1581	BEDROOM	W18/1581	24.68	1.96	
R10/1581	BEDROOM	W20/1581	30.31	0.66	2.6
R11/1581	BEDROOM	W21/1581	30.36	0.67	
R11/1581	BEDROOM	W24/1581	23.34	1.87	2.5
R12/1581	BEDROOM	W22/1581	29.84	1.64	
R12/1581	BEDROOM	W23/1581	28.91	1.34	3.0
R9/1582	BEDROOM	W13/1582	55.60	2.17	
R9/1582	BEDROOM	W14/1582	55.59	2.17	4.3
R10/1582	STUDY	W15/1582	35.57	3.72	3.7
R11/1582	STUDY	W17/1582	35.07	3.67	3.7
R12/1582	BEDROOM	W16/1582	55.46	2.17	
R12/1582	BEDROOM	W18/1582	55.41	2.17	4.3
Block C13-C20					
R13/1570	KITCHEN	W21/1570	26.61	1.42	1.4
R14/1570	LD	W19/1570	30.93	0.84	
R14/1570	LD	W20/1570	26.12	2.32	3.2
R15/1570	LD	W22/1570	23.87	2.20	
R15/1570	LD	W24/1570	22.81	0.75	2.9
R16/1570	KITCHEN	W23/1570	26.44	1.41	1.4
R17/1570	KITCHEN	W27/1570	26.41	1.41	1.4
R18/1570	LD	W25/1570	23.08	0.75	
R18/1570	LD	W26/1570	22.86	2.13	2.9

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R19/1570	LD	W28/1570	23.68	2.17	
R19/1570	LD	W30/1570	23.46	0.75	2.9
R20/1570	KITCHEN	W29/1570	26.52	1.42	1.4
R21/1570	KITCHEN	W33/1570	26.59	1.42	1.4
R22/1570	LD	W31/1570	23.55	0.75	
R22/1570	LD	W32/1570	22.62	2.10	2.9
R23/1570	LD	W34/1570	22.62	2.09	
R23/1570	LD	W36/1570	31.31	0.84	2.9
R24/1570	KITCHEN	W35/1570	26.75	1.44	1.4
R13/1571	BEDROOM	W31/1571	19.63	0.59	
R13/1571	BEDROOM	W32/1571	23.26	1.95	
R13/1571	BEDROOM	W34/1571	32.68	0.73	3.3
R14/1571	BEDROOM	W33/1571	32.24	1.21	
R14/1571	BEDROOM	W35/1571	32.21	1.21	2.4
R15/1571	BEDROOM	W36/1571	32.39	0.73	
R15/1571	BEDROOM	W38/1571	15.81	0.55	
R15/1571	BEDROOM	W39/1571	15.57	1.51	2.8
R16/1571	BEDROOM	W37/1571	32.16	1.21	
R16/1571	BEDROOM	W40/1571	32.13	1.21	2.4
R17/1571	BEDROOM	W41/1571	15.79	0.55	
R17/1571	BEDROOM	W42/1571	15.76	1.52	
R17/1571	BEDROOM	W44/1571	31.71	0.72	2.8
R18/1571	BEDROOM	W43/1571	32.08	1.21	
R18/1571	BEDROOM	W45/1571	32.11	1.21	2.4
R19/1571	BEDROOM	W46/1571	31.71	0.72	
R19/1571	BEDROOM	W48/1571	15.75	0.55	
R19/1571	BEDROOM	W49/1571	16.84	1.60	2.9
R20/1571	BEDROOM	W47/1571	32.13	1.21	
R20/1571	BEDROOM	W50/1571	32.14	1.21	2.4
R21/1571	BEDROOM	W51/1571	16.20	0.56	
R21/1571	BEDROOM	W52/1571	17.23	1.63	

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R21/1571	BEDROOM	W54/1571	30.90	0.69	2.9
R22/1571	BEDROOM	W53/1571	32.18	1.21	
R22/1571	BEDROOM	W55/1571	32.21	1.22	2.4
R23/1571	BEDROOM	W56/1571	30.69	0.69	
R23/1571	BEDROOM	W58/1571	19.44	0.57	
R23/1571	BEDROOM	W59/1571	24.10	1.99	3.3
R24/1571	BEDROOM	W57/1571	32.25	1.22	
R24/1571	BEDROOM	W60/1571	32.26	1.22	2.4
R7/1572	BEDROOM	W7/1572	36.92	2.26	2.3
R8/1572	BEDROOM	W8/1572	36.87	2.25	2.3
R9/1572	BEDROOM	W9/1572	36.81	2.25	2.3
R10/1572	BEDROOM	W10/1572	36.80	2.25	2.3
R11/1572	BEDROOM	W11/1572	36.79	2.25	2.3
R12/1572	BEDROOM	W12/1572	36.77	2.26	2.3
R3/1580	LKD	W5/1580	33.19	0.84	
R3/1580	LKD	W6/1580	24.06	1.62	2.5
R4/1580	LKD	W7/1580	23.66	1.61	
R4/1580	LKD	W8/1580	32.95	0.84	2.4
R5/1581	BEDROOM	W9/1581	25.55	2.00	
R5/1581	BEDROOM	W11/1581	31.52	0.68	2.7
R6/1581	BEDROOM	W10/1581	30.27	1.40	
R6/1581	BEDROOM	W12/1581	31.44	1.68	3.1
R7/1581	BEDROOM	W13/1581	31.43	0.68	
R7/1581	BEDROOM	W15/1581	24.52	1.94	2.6
R8/1581	BEDROOM	W14/1581	31.47	1.68	
R8/1581	BEDROOM	W16/1581	30.70	1.40	3.1
R5/1582	BEDROOM	W7/1582	56.36	2.20	
R5/1582	BEDROOM	W8/1582	56.40	2.20	4.4

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R6/1582	STUDY	W9/1582	36.59	3.79	3.8
R7/1582	STUDY	W11/1582	36.65	3.79	3.8
R8/1582	BEDROOM	W10/1582	56.35	2.20	
R8/1582	BEDROOM	W12/1582	56.35	2.20	4.4
Block C5-C12					
R1/1570	KITCHEN	W3/1570	28.46	1.51	1.5
R2/1570	LD	W1/1570	24.32	0.77	
R2/1570	LD	W2/1570	25.89	2.31	3.1
R3/1570	LD	W4/1570	25.54	2.28	
R3/1570	LD	W6/1570	23.59	0.76	3.0
R4/1570	KITCHEN	W5/1570	27.32	1.46	1.5
R5/1570	KITCHEN	W9/1570	27.12	1.45	1.4
R6/1570	LD	W7/1570	23.58	0.76	
R6/1570	LD	W8/1570	25.33	2.27	3.0
R7/1570	LD	W10/1570	23.35	2.16	
R7/1570	LD	W12/1570	23.00	0.75	2.9
R8/1570	KITCHEN	W11/1570	26.96	1.44	1.4
R9/1570	KITCHEN	W15/1570	26.81	1.43	1.4
R10/1570	LD	W13/1570	23.13	0.75	
R10/1570	LD	W14/1570	23.97	2.21	3.0
R11/1570	LD	W16/1570	26.11	2.32	
R11/1570	LD	W18/1570	31.24	0.84	3.2
R12/1570	KITCHEN	W17/1570	26.75	1.43	1.4
R1/1571	BEDROOM	W1/1571	16.25	0.57	
R1/1571	BEDROOM	W2/1571	16.68	1.58	
R1/1571	BEDROOM	W4/1571	32.51	0.72	2.9
R2/1571	BEDROOM	W3/1571	33.28	1.24	
R2/1571	BEDROOM	W5/1571	33.06	1.24	2.5

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R3/1571	BEDROOM	W6/1571	32.45	0.72	
R3/1571	BEDROOM	W8/1571	16.13	0.56	
R3/1571	BEDROOM	W9/1571	17.18	1.62	2.9
R4/1571	BEDROOM	W7/1571	32.82	1.23	
R4/1571	BEDROOM	W10/1571	32.70	1.23	2.5
R5/1571	BEDROOM	W11/1571	16.16	0.56	
R5/1571	BEDROOM	W12/1571	17.20	1.63	
R5/1571	BEDROOM	W14/1571	32.31	0.72	2.9
R6/1571	BEDROOM	W13/1571	32.57	1.23	
R6/1571	BEDROOM	W15/1571	32.52	1.22	2.4
R7/1571	BEDROOM	W16/1571	32.03	0.72	
R7/1571	BEDROOM	W18/1571	15.76	0.55	
R7/1571	BEDROOM	W19/1571	15.75	1.52	2.8
R8/1571	BEDROOM	W17/1571	32.48	1.22	
R8/1571	BEDROOM	W20/1571	32.47	1.22	2.4
R9/1571	BEDROOM	W21/1571	15.95	0.56	
R9/1571	BEDROOM	W22/1571	15.72	1.51	
R9/1571	BEDROOM	W24/1571	32.35	0.74	2.8
R10/1571	BEDROOM	W23/1571	32.37	1.22	
R10/1571	BEDROOM	W25/1571	32.37	1.22	2.4
R11/1571	BEDROOM	W26/1571	32.68	0.73	
R11/1571	BEDROOM	W28/1571	19.69	0.59	
R11/1571	BEDROOM	W29/1571	23.69	1.97	3.3
R12/1571	BEDROOM	W27/1571	32.34	1.22	
R12/1571	BEDROOM	W30/1571	32.33	1.22	2.4
R1/1572	BEDROOM	W1/1572	37.18	2.26	2.3
R2/1572	BEDROOM	W2/1572	37.05	2.26	2.3
R3/1572	BEDROOM	W3/1572	37.02	2.26	2.3
R4/1572	BEDROOM	W4/1572	37.00	2.26	2.3
R5/1572	BEDROOM	W5/1572	36.97	2.26	2.3

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R6/1572	BEDROOM	W6/1572	36.94	2.26	2.3
R1/1580	LKD	W1/1580	32.84	0.84	
R1/1580	LKD	W2/1580	24.06	1.62	2.5
R2/1580	LKD	W3/1580	24.36	1.64	
R2/1580	LKD	W4/1580	33.03	0.84	2.5
R1/1581	BEDROOM	W1/1581	25.17	1.99	
R1/1581	BEDROOM	W3/1581	31.52	0.68	2.7
R2/1581	BEDROOM	W2/1581	30.93	1.41	
R2/1581	BEDROOM	W4/1581	31.81	1.70	3.1
R3/1581	BEDROOM	W5/1581	31.66	0.68	
R3/1581	BEDROOM	W7/1581	25.04	1.97	2.7
R4/1581	BEDROOM	W6/1581	31.78	1.70	
R4/1581	BEDROOM	W8/1581	30.94	1.41	3.1
R1/1582	BEDROOM	W1/1582	56.37	2.20	
R1/1582	BEDROOM	W2/1582	56.38	2.20	4.4
R2/1582	STUDY	W3/1582	36.76	3.79	3.8
R3/1582	STUDY	W5/1582	36.81	3.79	3.8
R4/1582	BEDROOM	W4/1582	56.36	2.20	
R4/1582	BEDROOM	W6/1582	56.41	2.20	4.4
Block C1-C4					
R1/1540	LKD	W1/1540	36.50	0.44	
R1/1540	LKD	W2/1540	40.86	0.88	
R1/1540	LKD	W3/1540	29.49	1.71	3.0
R1/1541	BEDROOM	W2/1541	34.94	3.24	
R1/1541	BEDROOM	W4/1541	34.94	0.96	4.2
R2/1541	BEDROOM	W1/1541	38.28	1.15	
R2/1541	BEDROOM	W3/1541	35.37	3.59	4.7
R1/1542	BEDROOM	W1/1542	85.89	2.90	
R1/1542	BEDROOM	W2/1542	85.78	2.91	5.8

Room	Roomuse	Window	VSC(%)	ADF(%)	TOTAL ADF(%)
R1/1640	KITCHEN	W2/1640	30.74	1.70	1.7
R2/1640	LD	W1/1640	10.92	0.70	
R2/1640	LD	W3/1640	28.26	2.39	3.1
R1/1641	BEDROOM	W1/1641	6.23	1.04	
R1/1641	BEDROOM	W3/1641	34.15	0.94	2.0
R2/1641	BEDROOM	W2/1641	34.19	3.57	3.6
R1/1642	BEDROOM	W1/1642	85.49	2.94	
R1/1642	BEDROOM	W2/1642	85.58	2.98	5.9
R1/1740	KITCHEN	W2/1740	29.58	1.64	1.6
R2/1740	LD	W1/1740	10.91	0.69	
R2/1740	LD	W3/1740	27.23	2.33	3.0
R1/1741	BEDROOM	W1/1741	6.11	1.02	
R1/1741	BEDROOM	W3/1741	33.56	0.93	1.9
R2/1741	BEDROOM	W2/1741	33.42	3.51	3.5
R1/1742	BEDROOM	W1/1742	85.39	2.93	
R1/1742	BEDROOM	W2/1742	85.52	2.97	5.9
R1/1840	KITCHEN	W2/1840	29.40	1.61	1.6
R2/1840	LD	W1/1840	10.88	0.69	
R2/1840	LD	W3/1840	26.86	2.30	3.0
R1/1841	BEDROOM	W1/1841	6.10	0.99	
R1/1841	BEDROOM	W3/1841	33.19	0.92	1.9
R2/1841	BEDROOM	W2/1841	33.25	3.49	3.5
R1/1842	BEDROOM	W1/1842	85.15	2.93	
R1/1842	BEDROOM	W2/1842	84.55	2.92	5.8