

# THE GREEN SOUTHALL

Internal Daylight  
Sunlight and  
Overshadowing Report  
April 2021



# **Internal Daylight and Sunlight Report The Green, Southall UB2 4BQ**

Peabody Developments Ltd and London Borough of Ealing

08<sup>th</sup> April 2021

## Contents

1.	Introduction.....	1
2.	Information Relied Upon and Assumptions.....	4
3.	Policy and Guidance Context.....	5
4.	Assessment Results.....	11
5.	Summary and Conclusions.....	18

## Appendices

Appendix 1: 3D Model drawings (BRE/123 and BRE/124)

Appendix 2: Principles of Daylight and Sunlight

Appendix 3: No Sky Line Contour Drawings (BRE/06 to BRE/64)

Appendix 4: Technical Spreadsheets (Job 19)

Appendix 5: Sun Hours on Ground Drawing (BRE/184)

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**Status: Final**

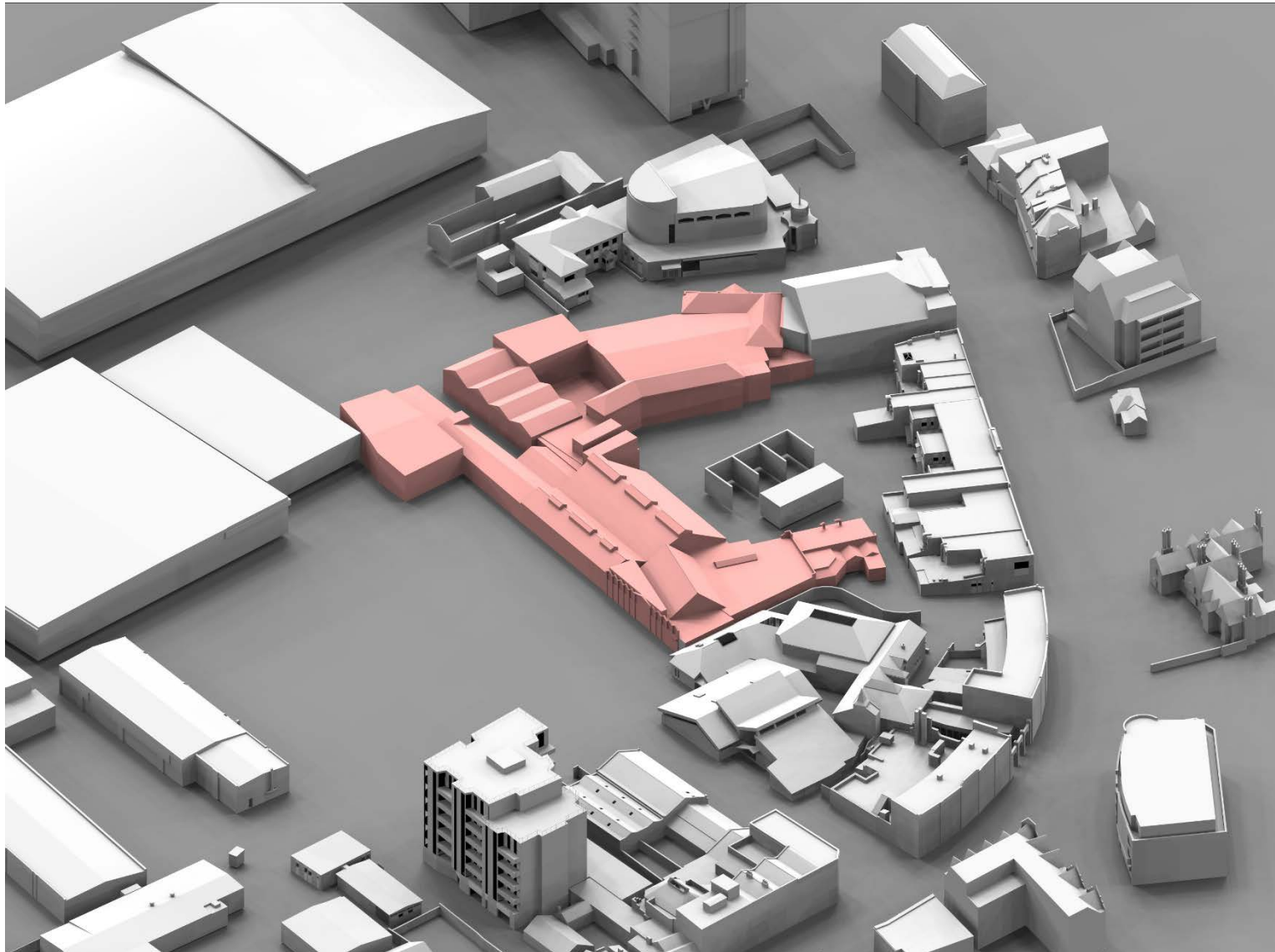
**Date: 08<sup>th</sup> April 2021**

**Report Reference: 02B822285 Internal**

**For and on behalf of GVA Grimley Limited t/a Avison Young**

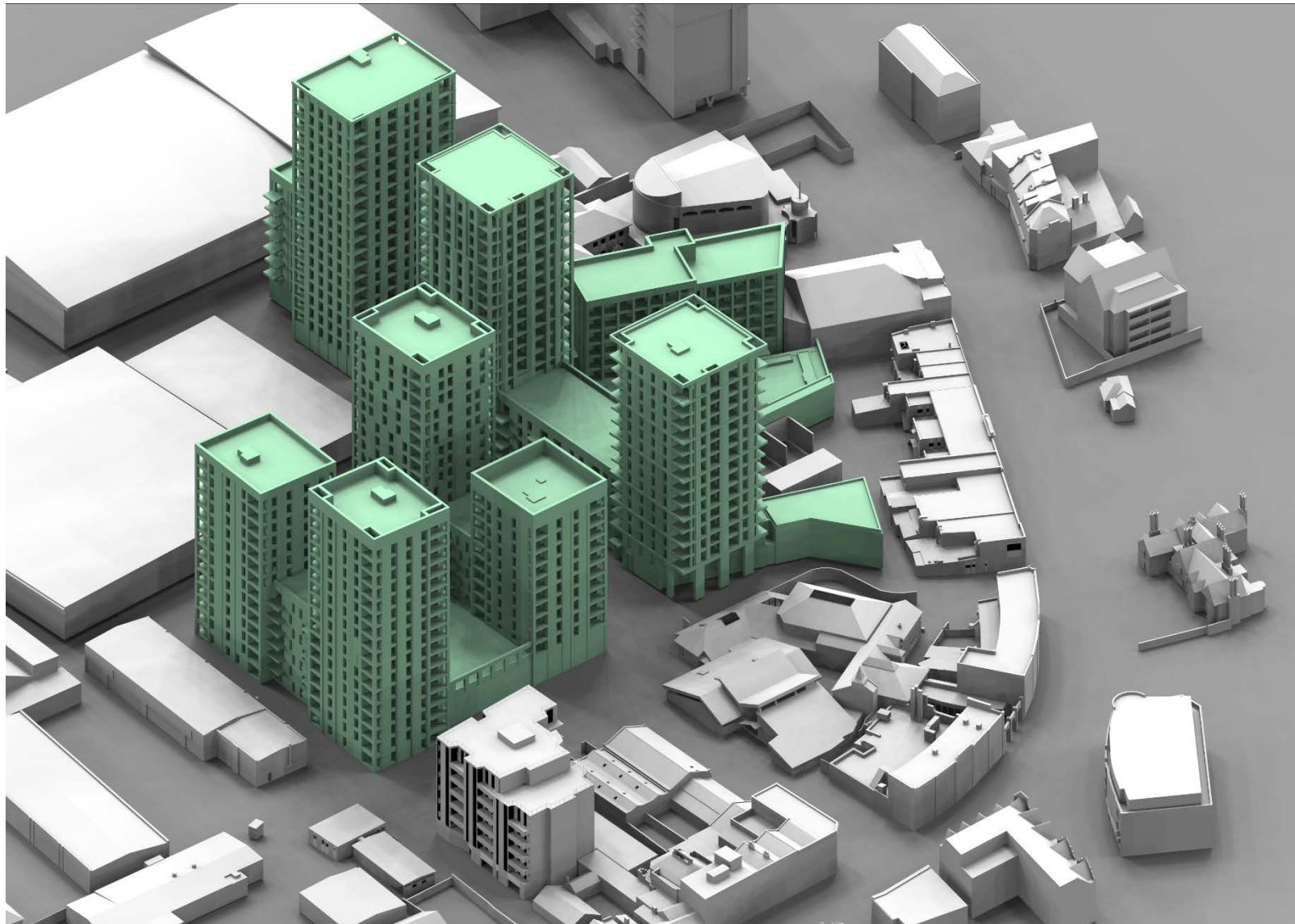
# 1. Introduction

- 1.1 We are instructed by Peabody Developments Ltd and London Borough of Ealing ("LBE") to advise on daylight, sunlight and overshadowing matters internal to the proposed development ("Proposed Development") associated with the site at Land comprising public car park, business premises, roads and adjacent land lying to the north west and rear of The Green and adjoining Featherstone Terrance, Dominion Road and Dilloway Yard, Southall, UB2 ("Site").
- 1.2 This report therefore considers potential daylight, sunlight and overshadowing which would be provided for future occupants.
- 1.3 To this end, we have been instructed to carry out the following:
- Prepare a 3D computer model of the Proposed Development and surrounding context (see Figures 1 and 2 below) based upon the information cited in section 2 below and on the drawings in Appendix 1.
  - Undertake a daylight assessment using the methodologies set out in the Building Research Establishment (BRE) Guidelines – Site Layout Planning for Daylight and Sunlight: a guide to good practice (2011) ("BRE Guidelines") for Average Daylight Factor ("ADF") and No-Sky Line ("NSL").
  - Undertake a sunlight assessment using the methodologies set out in the BRE Guidelines for Annual Probable Sunlight Hours ("APSH") to the fenestration facing within 90° of due south.
  - Undertake an overshadowing assessment using the methodology set out in the BRE Guidelines for Sun Hours on Ground ("SHOG") for all relevant communal open spaces.
- 1.4 The BRE Guidelines are not mandatory and are aimed at helping rather than constraining the designer. Although they give numerical guidelines, they should be interpreted flexibly because natural lighting is only one of many factors in site layout design.
- 1.5 Policy context is important in establishing acceptable levels of daylight, sunlight and overshadowing. The appropriateness of the Proposed Development should therefore be considered not only against the BRE Guidelines but also key policy documents, including the National Planning Performance Guidance July 2019 ("NPPG"), National Planning Policy Framework February 2019 ("NPPF") and Housing Supplementary Planning Guidance London Plan March 2016 ("Housing SPG").
- 1.6 The NPPG, NPPF and Housing SPG seek to encourage more efficient use of land and increase density in urban locations. In addition, the Ealing Southall Opportunity Area Planning Framework July 2014 designates the Site as appropriate for regeneration and intensification as part of an area-wide improvement plan whilst maintaining consideration for light amenity.
- 1.7 The implementation of larger buildings will mean that strict compliance with the BRE Guidelines will be unrealistic in this particular location. Daylight, sunlight and overshadowing matters should therefore not be limited to an overly simplistic technical exercise against the BRE Guidelines recommendations without due regard for the current and future physical and planning context.



**Figure 1:** Our 3D model showing the existing Site buildings in red





**Figure 2:** Our 3D model showing a bird's eye view of the Proposed Development in green.

## 2. Information Relied Upon and Assumptions

2.1 Our 3D model and assessments are based on the following information:-

- 3D laser-measured survey received from MBS Software on 22<sup>nd</sup> February 2019.
- 3D DWG. model of Proposal received 25<sup>th</sup> October 2019, 5<sup>th</sup> December 2019 and 9<sup>th</sup> March 2021 from Hunters Architects.
- Avison Young site photographs taken 24<sup>th</sup> October 2018.
- Ordinance Survey data.
- Google aerial imagery.
- Bing aerial imagery.
- Ealing Council planning documentation.

2.2 The following values from BS 8206-2, Annex A, tables A.1-A.6 were used for the calculation of Average Daylight Factor ("ADF") values:-

- Reflectance values:
  - Internal walls (pale cream) 0.81;
  - Internal ceiling (white paint) 0.85; and
  - Internal floor (wood light veneer or cream carpet) 0.40.
- Transmittance value 0.68 (double glazing).
- Maintenance Factor 0.80.
- Glazing Bar Correction 0.90.

2.3 The BRE Guidelines formula to calculate ADF is an approximation whereby the measurement contains a number of simplifications, for example it is assumed that the sky is overcast. The calculation is therefore approximate and provides an indication of whether a room will look bright or gloomy.

2.4 Typical modern living requirements within urban locations dictate that some apartments contain galley-type kitchens to the rear of a larger room. These galley kitchens are wither not considered to be habitable due to the small room area and have been excluded from analysis or are only considered as a secondary room use and have therefore been assessed by applying the parameters for the primary room use only i.e Living Diner.

2.5 Since the time of our assessment parts of the façades of the Proposed Development have been optimised, in so far as the arrangement of façade materials and their thickness has been refined. A review of the design façade optimisation has established that there would be no material change to the analysis discussed within this report.

### 3. Policy and Guidance Context

3.1 Policy and guidance context is important in establishing acceptable levels of amenity. The appropriateness of a proposed development should be considered against the following key documents:

- NPPG;
- NPPF;
- London Plan (2021);
- Housing SPG;
- LBE Development Strategy 2026 (Development Plan Document) (adopted 2012) (“DS”);
- LBE Development Management (Development Plan Document) (adopted 2013);
- Southall Opportunity Area Planning Framework July 2014 (“Southall OAPF”);
- Development site DPD;
- Brownfield Land Registry; and
- BRE Guidelines.

3.2 The relevant sections of the above-mentioned documents are set out below.

#### **NPPG**

3.3 The NPPG Paragraph 007 Reference ID: 66-007-20190722) states that all developments should maintain acceptable living standards. What this means in practice, in relation to assessing appropriate levels of sunlight and daylight, will depend to some extent on the context for the development as well as its detailed design. For example in areas of high-density historic buildings, or city centre locations where tall modern buildings predominate, lower daylight and daylight and sunlight levels at some windows may be unavoidable if new developments are to be in keeping with the general form of their surroundings. In such situations good design (such as giving careful consideration to a building’s massing and layout of habitable rooms) will be necessary to help make the best use of the site and maintain acceptable living standards.

#### **NPPF**

3.4 The NPPF gives guidance at government level. It seeks to ensure that the planning system encourages more efficient use of land and avoid building low density homes in accessible urban locations. It promotes a flexible approach in adopting and applying policy and guidance that could inhibit these objectives, which specifically includes reference to daylight and sunlight:

*“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)(Paragraph 123”).”*



## London Plan

- 3.5 The London Plan deals with things of strategic importance to Greater London taking account of the principal purposes of the Greater London Authority which are; promoting economic development, social development and environmental improvement.
- 3.6 Policy D6 (Housing Quality and Standards) states that the design of development should provide sufficient daylight and sunlight to new and surrounding housing that is appropriate for its context, whilst avoiding overheating, minimising overshadowing and maximising the usability of outside amenity space.

## Housing SPG

- 3.7 The Housing SPG predicates the need to move away from applying the same daylight and sunlight values in all locations and promotes a contextual analysis as a pertinent way of assessing acceptable levels of amenity. This aims to ensure that light matters are not limited to an overly simplistic technical exercise against the default BRE Guidelines recommendations without due regard for the current and future physical and planning context.

- 3.8 *The Housing SPG sets out the following:*

*"Policy 7.6Bd requires new development to avoid causing 'unacceptable harm' to the amenity of surrounding land and buildings, particularly in relation to privacy and overshadowing and where tall buildings are proposed."*

- 3.9 The document goes on to state:

*"Whilst taking into account other policy objectives, boroughs should ensure that all opportunities to secure sustainable housing capacity should be fully realised in order to meet London's strategic housing requirements and help close the gap between need and supply across London as a whole (1.1.7)."*

- 3.10 Importantly the Housing SPG acknowledges that effects from proposals should not be assessed via a strict application of national criteria but also with reference to broadly comparable residential typologies:

*"The degree of harm on adjacent properties and the daylight targets within a proposed scheme should be assessed drawing on broadly comparable residential typologies within the area and of a similar nature across London. Decision makers should recognise that fully optimising housing potential on large sites may necessitate standards which depart from those presently experienced but which still achieve satisfactory levels of residential amenity and avoid unacceptable harm (1.3.46)."*

## LBE Development Strategy 2026

- 3.11 The Development Strategy was adopted in 2012 as the basis for development strategy and future development in the London Borough of Ealing.

- 3.12 3.19 Section 1.2 (h) states:

*"... To support higher densities in areas of good public transport accessibility. Whilst proper regard shall be made to relevant London Plan policies, the council will take into account primarily the quality of the design,*

*the location of the site and the need to provide a suitable housing mix. Tall buildings are acceptable where they contribute positively to the urban environment and do not cause harm to existing heritage assets. The quality of the design solution proposed, especially in relation to its context, and the accessibility of its location are the overriding considerations in the assessment of any proposed development. Tall buildings may be suitable in specified sites within Acton, Ealing and Southall town centres, gateways to Park Royal and identified development sites only. Specific locations identified as suitable for tall buildings will be designated through the Development Sites DPD and also through SPDs/AAPs. In these documents additional work to refine suitable sites and formations with particular regard to heritage assets and their settings will be undertaken. Policies for the management of tall buildings will be developed in the Development Management DPD."*

## **LBE Development Management**

3.13 The DPD was adopted in December 2013 and provides the London Borough of Ealing with the criteria by which planning applications are assessed, as part of Ealing's broader Local Plan.

3.14 Reference to daylight, sunlight and overshadowing is made in Policy 7B Ealing Local Policy-Design Amenity (Section – Planning Decisions), which states:

*"New development must achieve a high standard of amenity for users and for adjacent uses by ensuring;*

*...b) good levels of daylight and sunlight..."*

3.15 In relation to Living Places and Spaces it states:

*"...Good levels of daylight or sunlight are levels that are appropriate to the uses proposed for internal rooms and external spaces within the curtilage of the building."*

## **Southall OAPF**

3.16 The Southall OAPF sets out how new development can be managed to maximise the potential of the area for the benefit of existing and new residents and businesses.

3.17 The Framework intends to deliver at least 6,000 new homes and 3,000 new jobs across a 520 ha opportunity area over 20 years. The Site is identified as one of the 10 development sites.

3.18 It was adopted by LBE on 15<sup>th</sup> July 2014 as a Supplementary Planning Document (SPD) to Ealing's Local Plan and adopted by the Mayor of London on 16<sup>th</sup> July 2014 as Supplementary Planning Guidance ("SPG") to the London Plan. It therefore is a material consideration in the determination of planning applications in the Southall opportunity area.

## **Development site DPD**

3.19 The Site is earmarked for redevelopment as part of the Development site DPD. In relation to the Site the document describes this as being within an urban setting and provides an indicative delivery timetable for its redevelopment of 2021-2026. The document also specifies that any residential dwellings proposed should be

dual aspect (north facing single aspect units are not acceptable) and provide access to suitable private and/or communal garden space.

## Brownfield Land Register

- 3.20 The purpose of these registers is to provide up-to-date, publicly available information on brownfield land that is suitable for housing, to help provide certainty for developers and communities and encourage investment in local areas.
- 3.21 The allocation promotes mixed use development appropriate to the town centre, with continued protection of existing industrial uses on the Featherstone, Dominion and Suterwalla estates as a Locally Significant Industrial Site and retention of the Dominion Arts Centre.

## BRE Guidelines

- 3.22 The BRE Guidelines is the document referred to by most local authorities. They cover amenity requirements for daylight, sunlight and overshadowing to buildings and amenity areas neighbouring a proposed development, as well as the quality of light within the proposed habitable rooms and amenity areas.
- 3.23 They are national guidelines which are to be applied flexibly having regard to site context. Clearly the rigid application is therefore not appropriate, as the expectations for light in an urban environment will differ to those of a rural environment. They should therefore be applied with discretion having regard to the site specific context.
- 3.24 The introduction to the BRE Guidelines states:
- "The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and this document should not be seen as an instrument of planning policy. Its aim is to help rather than constrain the developer. Although it gives numerical guidelines, these should be interpreted flexibly because natural lighting is only one of the many factors in site layout design."*
- 3.25 It is an inevitable consequence of an urban environment that daylight and sunlight will be more limited. In such situations there may be many other conflicting and potentially more important planning and urban design matters to consider in addition to the provision of ideal levels of daylight and sunlight.
- 3.26 The BRE Guidelines are intended to read in conjunction with the British Standard, BS 8206-2: 2008 Lighting for Buildings Part 2: Code of Practice for Daylighting ("BS 8206-2"). BS 8206-2 is now superseded by the European Standard BS EN 17037:2018 Daylight in buildings. However, the Guidelines currently refer to BS 8206-2 and we are therefore adopting this standard until the BRE Guidelines are updated.

## Daylight

- 3.27 Appendix C of the BRE Guidelines sets out various detailed tests that assess the interior daylight conditions of rooms. These include the calculation of the ADF and N SKY Line ("NSL") (also known as Daylight Distribution).
- 3.28 The ADF value determines the level of interior illumination that can be compared with BS 8206-2. This recommends a minimum of 2.0% for kitchens, 1.5% for living rooms and 1.0% for bedrooms.

- 3.29 Some of the proposed units feature open plan living/kitchen/dining rooms ("LKDs"). In common with many contemporary developments, some of the kitchens are located at the rear of deep open plan spaces, therefore intended to be predominantly artificially task lit given their distant location away from the main window wall.
- 3.30 In such circumstances the standard recommendation of 2.0% ADF for typical kitchens may therefore be considered less appropriate, especially given the site context and other constraints, such as the provision balconies which reduce the light entering windows below them. As such, it is reasonable to consider that LKDs should comply with the standard for a living room (1.5%).
- 3.31 The NSL shows the extent of light penetration into the room at working plane level, 850mm above floor level. If a substantial part of the room falls behind the NSL (BRE Guidelines suggest 20%), the distribution of light within the room may look poor.
- 3.32 Where relevant the area within each of the proposed units closest to the window has been assessed and the kitchens to the rear excluded from the calculations.

#### Sunlight

- 3.33 Requirements for provision of sunlight to new residential buildings are set out in Part 3.1 of the BRE Guidelines. Sunlight is considered important for living rooms and conservatories but is viewed as less important in bedrooms and in kitchens.
- 3.34 The BRE Guidelines accepts that site layout (i.e. orientation and overshadowing) as the most important factor affecting the duration of sunlight in buildings.
- 3.35 BS 8206-2 states that:
- "The degree of satisfaction is related to the expectation of sunlight. If a room is necessarily north facing or if the building is in a densely-built urban area, the absence of sunlight is more acceptable than when its exclusion seems arbitrary."*
- 3.36 In Part 3.1 of the BRE Guidelines it is stated that the BS 8206-2 criterion applies to rooms of all orientations, although if a room faces significantly north of due east or west it is unlikely to be met. This report however considers proposed windows within the Proposed Development which face within 90 degrees of due south only.
- 3.37 Access to sunlight can be quantified for the interior of rooms. The BRE Guidelines state *"BS 8206-2 recommends that interiors where the occupants expect sunlight should receive at least one quarter (25%) of APSH, including in the winter months between 21 September and 21 March at least 5% of APSH."*
- 3.38 The BRE Guidelines also state that the above criterion is intended to give good access to sunlight, but that in special circumstances the planning authority may wish to choose a different value.

### Overshadowing

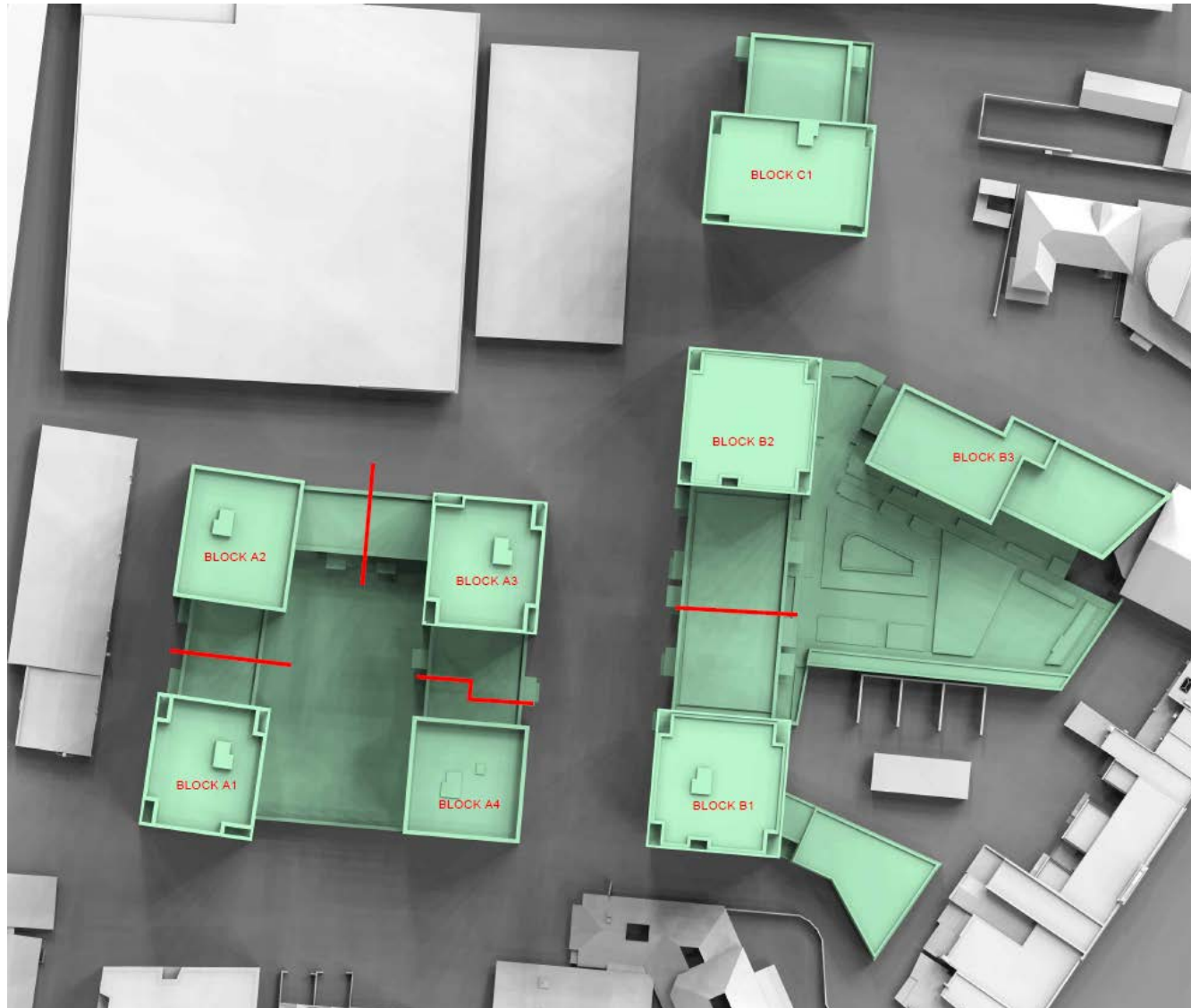
- 3.39 The BRE Guidelines acknowledge that good site layout planning for daylight and sunlight should not be limited to providing good natural lighting within buildings. It goes on to state that sunlight in the spaces in between buildings is important and valuable for several reasons, depending on the nature of the space.
- 3.40 The BRE Guidelines state that the availability of sunlight should be checked for all open spaces where it will be required. This would normally include:
- Gardens, usually the main back garden of a house;
  - Parks and playing fields;
  - Children's playgrounds;
  - Outdoor swimming pools and paddling pools;
  - Sitting out areas such as those between non-domestic buildings and in public squares; and
  - Focal points for views such as a group of monuments or fountains.
- 3.41 Given the diverse nature and usage of these spaces, the BRE Guidelines consider it inappropriate to suggest a standard rule for all.
- 3.42 They do however recommend that to check for adequate sunlight penetration that at least half of the amenity areas listed above should receive at least 2 hours of sunlight on the Vernal Equinox, 21<sup>st</sup> March. This date is chosen as it represents average annual conditions, therefore sunlight amenity within the amenity area is expected to increase after this point, to a maximum on the summer solstice.
- 3.43 Further information relating the BRE Guidelines can be found in our *Principles of Daylight and Sunlight* in Appendix 2.

## 4. Assessment Results

### Daylight and Sunlight

- 4.1 We have worked alongside Hunters Architects throughout the design process in order to maximise levels of light within the Proposed Development whilst taking into account the Site context and the need to make efficient use of the land to provide much needed housing.
- 4.2 Where possible mitigation measures were as follows:
- Designing the massing to allow for greater daylight ingress and more dual aspect units apartments;
  - Rearranging the flat layouts to prioritise the daylight within the main living areas;
  - Rearranging room layouts so to ensure the potential of each window is fully realised as far as reasonably possible; and
  - Increasing window sizes;
  - Avoiding north facing single aspect units.
- 4.3 The units feature open plan living areas and in common with many contemporary developments kitchens are located at the rear. The kitchens are therefore intended to be predominantly artificially task lit given their distant location away from the main window wall.
- 4.4 Many of the units include balconies, which provide important private amenity space. In modern developments it is often found that there is a trade-off between balconies and interior daylight and sunlight, because they necessarily limit the available daylight and sunlight to the windows.
- 4.5 A degree of flexibility is therefore required, particularly where there is an aspiration for intensification of a site and higher density development to provide much needed housing. In this context, it is inevitable that some of the units within the Proposed Development will not achieve recommended daylight and sunlight levels.
- 4.6 The assessment covers all habitable spaces within blocks A1, A2, A3, A4, B1, B2, B3, B4, B5 and C1 (refer to Figure 3 below).
- 4.7 The technical analysis spreadsheets and drawings are in Appendices 3 and 4 respectively.





**Figure 3:** Our 3D model showing the Proposed Development blocks.

### Summary of Results

- 4.8 The assessment demonstrates that the Proposed Development will achieve good levels of daylight overall with 89% (1387 out of 1552) of all habitable spaces meeting the minimum recommended ADF. This increases to 96% (1483 out of 1553) if the criteria for the area of room which can see sky is taken as 50%, if the criteria for the area of LKD which can see sky is taken as 1.5% ADF rather than 2%
- 4.9 In addition, 76% (1181 out of 1552) of spaces achieve the recommended levels of NSL. This increases to 96% (1483 out of 1553) if the criteria for the area of room which can see sky is taken as 50%, which is considered a reasonable alternative threshold based on recently consented schemes, including Quayside Quarter and the redevelopment of the former Honey Monster Factory (planning reference 191022FUL).
- 4.10 This represents a high overall daylight compliance level for a development of this size in an urban context and is better or broadly comparable with other residential typologies within the area and of a similar nature across London.
- 4.11 In terms of sunlight, it will be appreciated that the Site's existing layout and design constraints, such as the provision of balconies, impose orientation or sunlight constraints which are not possible to overcome. It has therefore not been possible to fully meet the BRE Guidelines.
- 4.12 Hunter Architects has taken care to avoid single aspect, north facing units in order to maximise the number of sunlit dwellings. Moreover, 49% (784 out of 1587) of the windows assessed meet or exceed the BRE Guidelines criteria for APSH. It is important to note that 58% (915 out of 1587) of windows achieve an APSH of 20% or more. 64% (1023 out of 1587) of the windows assessed meet or exceed the BRE Guidelines criteria for winter sunlight. This is broadly comparable with other schemes of a similar typology within the area and across London.

### Block by Block Results

#### *Block A1*

- 4.13 The assessed units are shown on the drawings numbered BRE/06 to BRE/13 in Appendix 3.
- 4.14 89% (188 out of 211) of the spaces assessed meet or exceed the recommended minimum ADF for the respective room type. The 13% of spaces falling short of the BRE Guidelines recommendations are typically kitchen/dining rooms ("KDs") and bedrooms on the ground to fifth floors.
- 4.15 74% (156 out of 211) of the spaces assessed achieve a NSL across 80% or more of the room area. Those falling short (26%) are primarily bedrooms on the ground to tenth floors.
- 4.16 40% (82 out of 206) of the windows assessed will achieve the BRE Guidelines recommended APSH. 56% (115 out of 206) of the windows assessed will achieve the BRE Guidelines recommended winter sunlight. There are no north facing single aspect units and all units assessed will have access to sunlight.

#### *Block A2*

- 4.17 The assessed units are shown on the drawings numbered BRE/14 to BRE/22 in Appendix 3.

- 4.18 84% (158 out of 189) of the spaces assessed meet or exceed the recommended minimum ADF for the respective room type. The 16% falling short of the BRE Guideline recommendations are typically LKDs, living/dining rooms ("LDs") and bedrooms on the first to eighth floors. The LKDs/LDs include recessed balconies.
- 4.19 65% (123 out of 189) of the spaces assessed achieve a NSL across 80% or more of the room area. Those falling short (35%) are primarily bedrooms on the first to twelfth floors.
- 4.20 18% (21 out of 117) of the windows assessed will achieve the BRE Guidelines recommended APSH. 32% (37 out of 119) of the windows assessed will achieve the BRE Guidelines recommended winter sunlight. There are no north facing single aspect units and all units assessed will have access to sunlight.

#### *Block A3*

- 4.21 The assessed units are shown on the drawings numbered BRE/23 to BRE/32 in Appendix 3.
- 4.22 86% (166 out of 194) of the spaces assessed meet or exceed the recommended minimum ADF for the respective room type. The 14% falling short of the BRE Guidelines recommendations are LDs, KDs and bedrooms which are primarily located on the first to third floors. The main living areas (LDs) include recessed balconies.
- 4.23 64% (124 out of 194) of the spaces assessed achieve a NSL across 80% or more of the room area. The 36% are falling short are living rooms, LDs, KDs and bedrooms primarily on the first to ninth floors.
- 4.24 39% (73 out of 187) of the windows assessed will achieve the BRE Guideline's recommended APSH. 32% (59 out of 187) of the windows assessed will achieve the BRE Guidelines recommended winter sunlight. There are no north facing single aspect units and all units assessed will have access to sunlight.

#### *Block A4*

- 4.25 The assessed units are shown on the drawings numbered BRE/33 to BRE/42 in Appendix 3.
- 4.26 81% (83 out of 103) of the spaces assessed meet or exceed the recommended minimum ADF for the respective room type. Those 20 spaces falling short of the BRE Guidelines recommendations (19%) are LKDs, LDs and bedrooms which are primarily located on the first to ninth floors. The main living areas (LKDs and LDs) include recessed balconies.
- 4.27 65% (67 out of 103) of the spaces assessed achieve an NSL across 80% or more of the room area. The 35% falling short are living rooms, LDs, KDs and bedrooms primarily on the first to ninth floors.
- 4.28 18% (20 out of 109) of the windows assessed will achieve the BRE Guidelines recommended APSH. 51% (56 out of 109) of the windows assessed will achieve the BRE Guidelines recommended winter sunlight. There are no north facing single aspect units and all units assessed will have access to sunlight.

#### *Block B1*

- 4.29 The assessed units are shown on the drawings numbered BRE/38 to BRE/42 in Appendix 3.

4.30 97% (189 out of 195) of the spaces assessed meet or exceed the recommended minimum ADF for the respective room type. Those falling short of the BRE Guidelines recommendations (3%) are LKDs and LDs on the first to fourth floors which include balconies.

4.31 83% (161 out of 195) of the spaces assessed achieve a NSL across 80% or more of the room area. The 17% falling short are LDs and bedrooms primarily on the second to eighth floors.

4.32 71% (183 out of 254) of the windows assessed will achieve the BRE Guidelines recommended APSH. 81% (207 out of 254) of the windows assessed will achieve the BRE Guidelines recommended winter sunlight. There are no north facing single aspect units and all units assessed will have access to sunlight.

#### *Block B2*

4.33 The assessed units are shown on the drawings numbered BRE/43 to BRE/48 in Appendix 3.

4.34 93% (237 out of 255) of the spaces assessed meet or exceed the recommended minimum ADF for the respective room type. The spaces falling short of the BRE Guidelines recommendations (7%) are typically LDs and bedrooms on the first to fourth floors which include balconies.

4.35 93% (237 out of 255) of the spaces assessed achieve a NSL across 80% or more of the room area. The 7% falling short are typically LDs and bedrooms primarily on the first to fourth floors.

4.36 59% (179 out of 304) of the windows assessed will achieve the BRE Guidelines recommended APSH. 73% (222 out of 304) of the windows assessed will achieve the BRE Guidelines recommended winter sunlight. There are no north facing single aspect units and all units assessed will have access to sunlight.

#### *Block B3*

4.37 The assessed units are shown on the drawings numbered BRE/49 to BRE/51 in Appendix 3.

4.38 80% (75 out of 94) of the spaces assessed meet or exceed the recommended minimum ADF for the respective room type. The spaces falling short of the BRE Guidelines recommendations (20%) are typically LDs and LKDs on the first to fifth floors which include balconies.

4.39 95% (89 out of 94) of the spaces assessed achieve a NSL across 80% or more of the room area. The 5% falling short are typically LD and LKDs on the first to fourth floors.

4.40 15% (12 out of 81) of the windows assessed will achieve the BRE Guidelines recommended APSH. 90% (73 out of 81) of the windows assessed will achieve the BRE Guidelines recommended winter sunlight. There are no north facing single aspect units and all units assessed will have access to sunlight.

#### *Block C1*

4.41 The assessed units are shown on the drawings numbered BRE/52 to BRE/64 in Appendix 3.

4.42 94% (291 out of 311) of the spaces assessed meet or exceed the recommended minimum ADF for the respective room type. The spaces falling short of the BRE Guidelines recommendations (6%) are LKDs, LDs and bedrooms, which are scattered across all floors and include balconies (LKDs and LDs).

- 4.43 82% (256 out of 311) of the spaces assessed achieve a NSL across 80% or more of the room area. The 18% falling short are LKDs, LDs and kitchens which are scattered across all floors and include balconies (LKDs and LDs).
- 4.44 65% (214 out of 329) of the windows assessed will achieve the BRE Guidelines recommended APSH. 77% (254 out of 329) of the windows assessed will achieve the BRE Guidelines recommended winter sunlight. There are no north facing single aspect units and all units assessed will have access to sunlight.

## Overshadowing

- 4.45 The amenity areas within the Proposed Development have been assessed in accordance with the BRE Guidelines SHOG assessment. The five areas are shown in Figure 4 below and the drawing numbered BRE/184 in Appendix 5. The proposed outdoor amenity areas have been grouped into 5 main areas.
- 4.46 Areas 1, 2, 3 and 5 receive a minimum of 2 hours of sun over 50% of the area on 21<sup>st</sup> March and therefore meet the BRE Guidelines recommendations. Area 4 is located to the north of the Proposed Development where lower levels of sunlight would be anticipated.
- 4.47 Overall, access to sunlight is good and broadly comparable with other schemes of a similar typology within the area and across London.

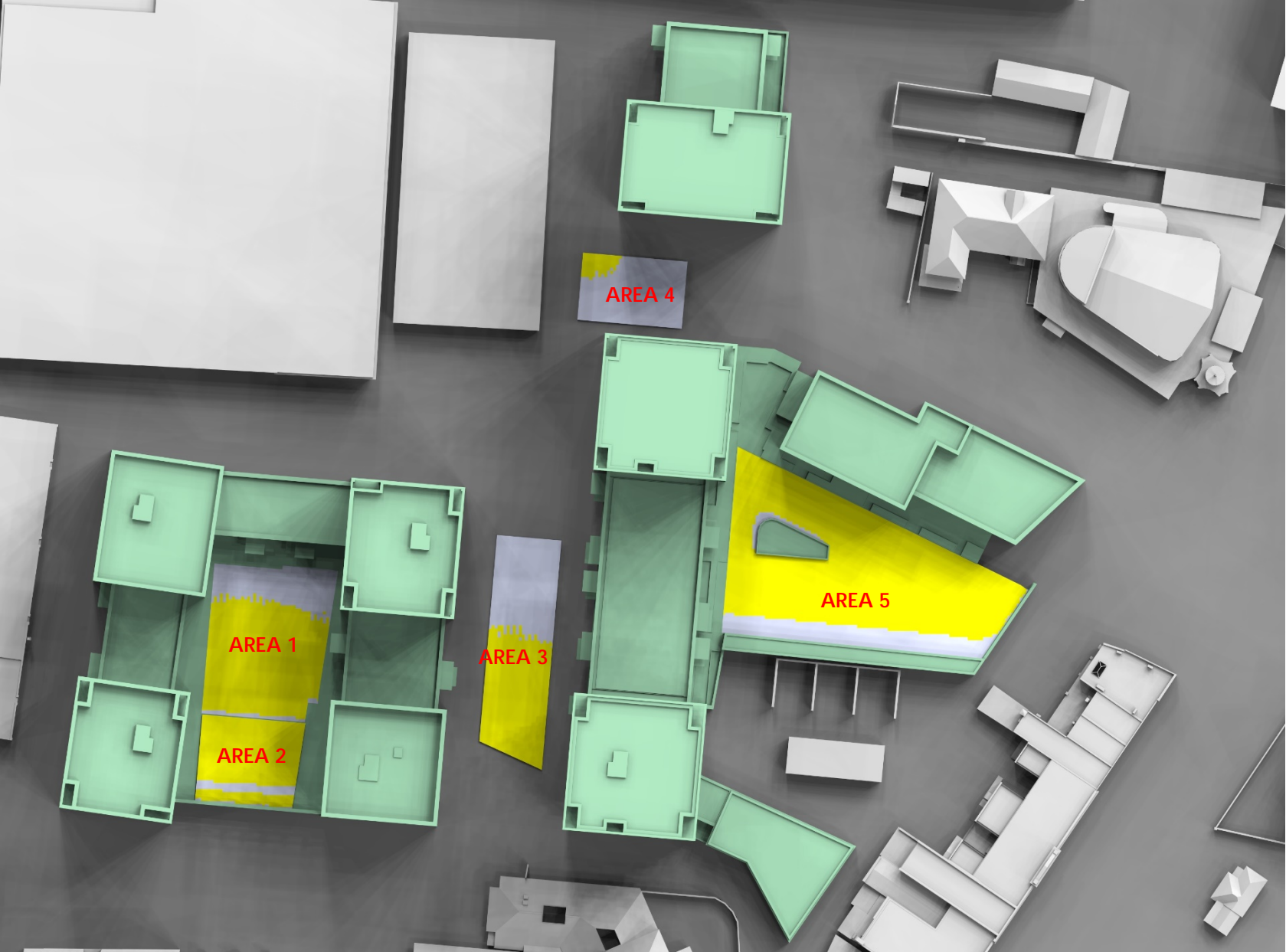


Figure 4: Assessment areas for SHOG (yellow depicts the areas receiving over 2 hours of sun on 21<sup>st</sup> March).



## 5. Summary and Conclusions

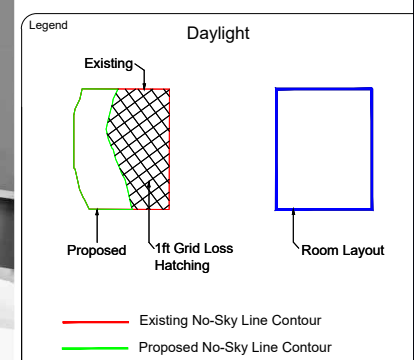
- 5.1 This report considers potential daylight, sunlight and overshadowing within the Proposed Development and therefore for future occupants.
- 5.2 Policy and guidance context is important in establishing acceptable levels of amenity. The appropriateness of the Proposed Development, in daylight, sunlight and overshadowing terms, has therefore been considered against key documents, including the NPPG, NPPF, Housing SPG, LBE's own policy and the BRE Guidelines.
- 5.3 The NPPG and NPPF give guidance at government level. They seek to ensure that the planning system encourages more efficient use of land and avoiding building homes at low density in accessible urban locations. Along with the Housing SPG they promote a flexible approach in adopting and applying policy and guidance that could inhibit these objectives, which specifically includes reference to daylight and sunlight.
- 5.4 The implementation of the area wide regeneration where larger buildings are anticipated will mean that compliance with the BRE Guidelines is unrealistic in this particular location. Daylight, sunlight and overshadowing matters should therefore not be limited to an overly simplistic technical exercise against the default BRE Guidelines recommendations without due regard for the current and future physical and planning context.
- 5.5 The Proposed Development must balance out a number of constraints and practicalities and daylight and sunlight amenity should be considered against a background of other contextual factors which, combined, influence the wellbeing of neighbouring residents. The Proposed Development offers a range of amenities, including open space, public and private and commercial uses, which is in-line with policy context.
- 5.6 The assessment demonstrates that the Proposed Development has been reasonably optimised for daylight with 89% of all habitable spaces (1387 out of 1552) meeting the minimum recommended ADF for the respective room type. In addition, 76% (1181 out of 1552) of spaces achieve the recommended levels of NSL. This increases to 96% (1483 out of 1553) if the criteria for the area of room which can see sky is taken as 50%,
- 5.7 This represents a high overall daylight compliance level for a development of this size in an urban context and is better or broadly comparable with other residential typologies within the area and of a similar nature across London.
- 5.8 In terms of sunlight, it will be appreciated that the Site's existing layout imposes orientation constraints which are not possible to overcome. It has therefore not been possible to fully meet the BRE Guidelines. Nonetheless, Hunter Architects have taken care to avoid single aspect, north facing units in order to maximise the number of sunlit dwellings. 49% (784 out of 1587) of the windows assessed meet or exceed the BRE Guidelines criteria for APSH. It is important to note that 58% (915 out of 1587) of windows achieve an APSH of 20% or more. 64% (1023 out of 1587) of the windows assessed meet or exceed the BRE Guidelines criteria for winter sunlight. This is broadly comparable with other schemes of a similar typology within the area and across London.

5.9 In conclusion, it is our professional opinion that the Proposed Development is acceptable in terms of daylight, sunlight and overshadowing.

# Appendix I

3D Model drawings (BRE/123 and  
BRE/124)

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 Do not scale this drawing.  
 All dimensions to be checked on site. Drawing to be read in conjunction with any specifications, schedules and Consultants drawings and details.



Sources of Information

**EXISTING BUILDING**  
 INFO RECEIVED 19 FEBRUARY 2019 MBS SURVEY  
 MBS19\_950 The Green, Southall

**SURROUNDING BUILDINGS**  
 INFO RECEIVED 19.02.2019 MBS SURVEY  
 MBS19\_950 The Green, Southall  
 Consented Scheme  
 42. Southall Working Mens Club 166501FUL

**PROPOSED BUILDING**  
 INFO RECEIVED 09 MAR 2021 HUNTERS FINAL PLANNING SCHEME  
 Architects dwgs



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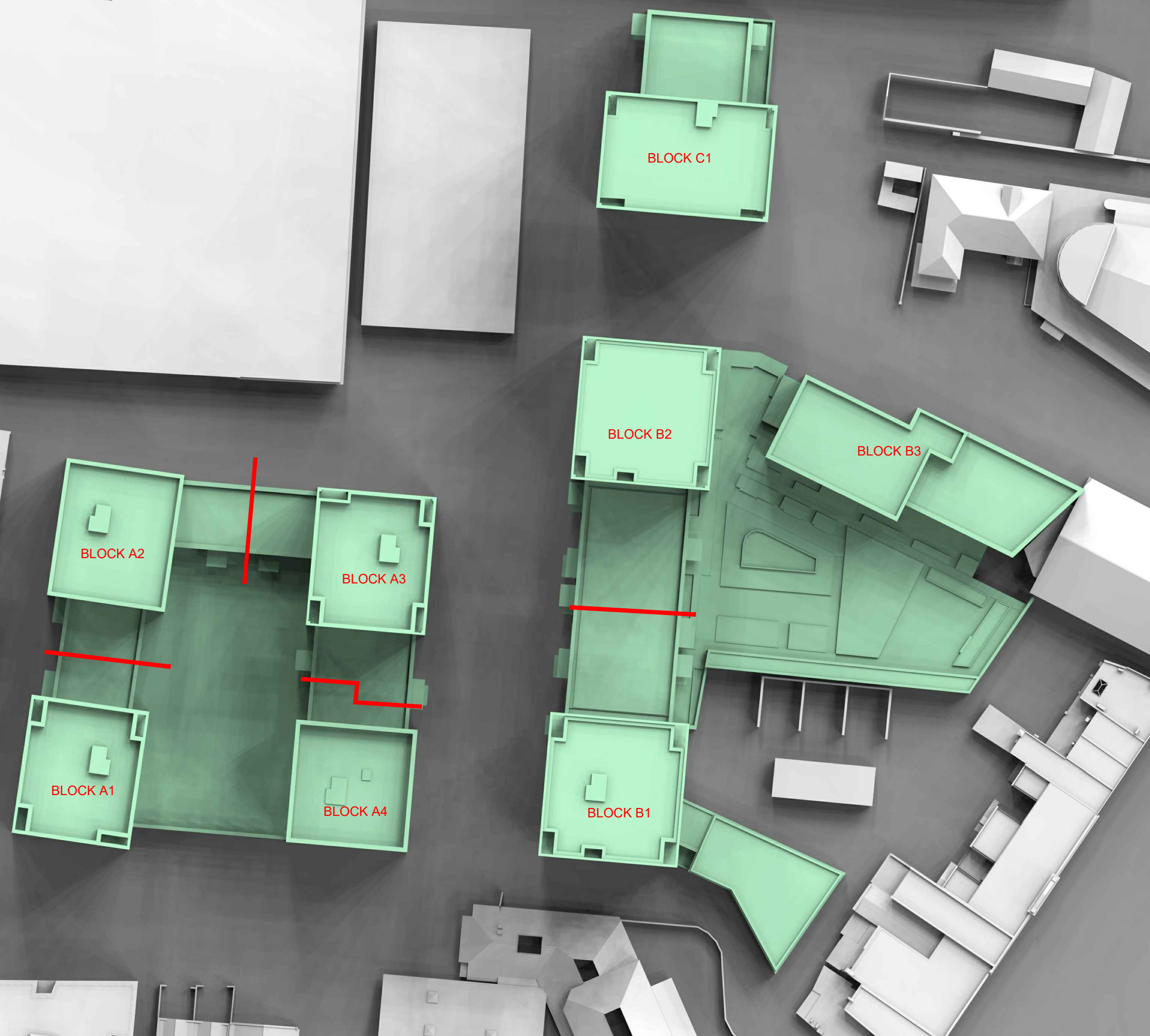
Project Name  
 THE GREEN SOUTHALL

Client  
 PEABODY

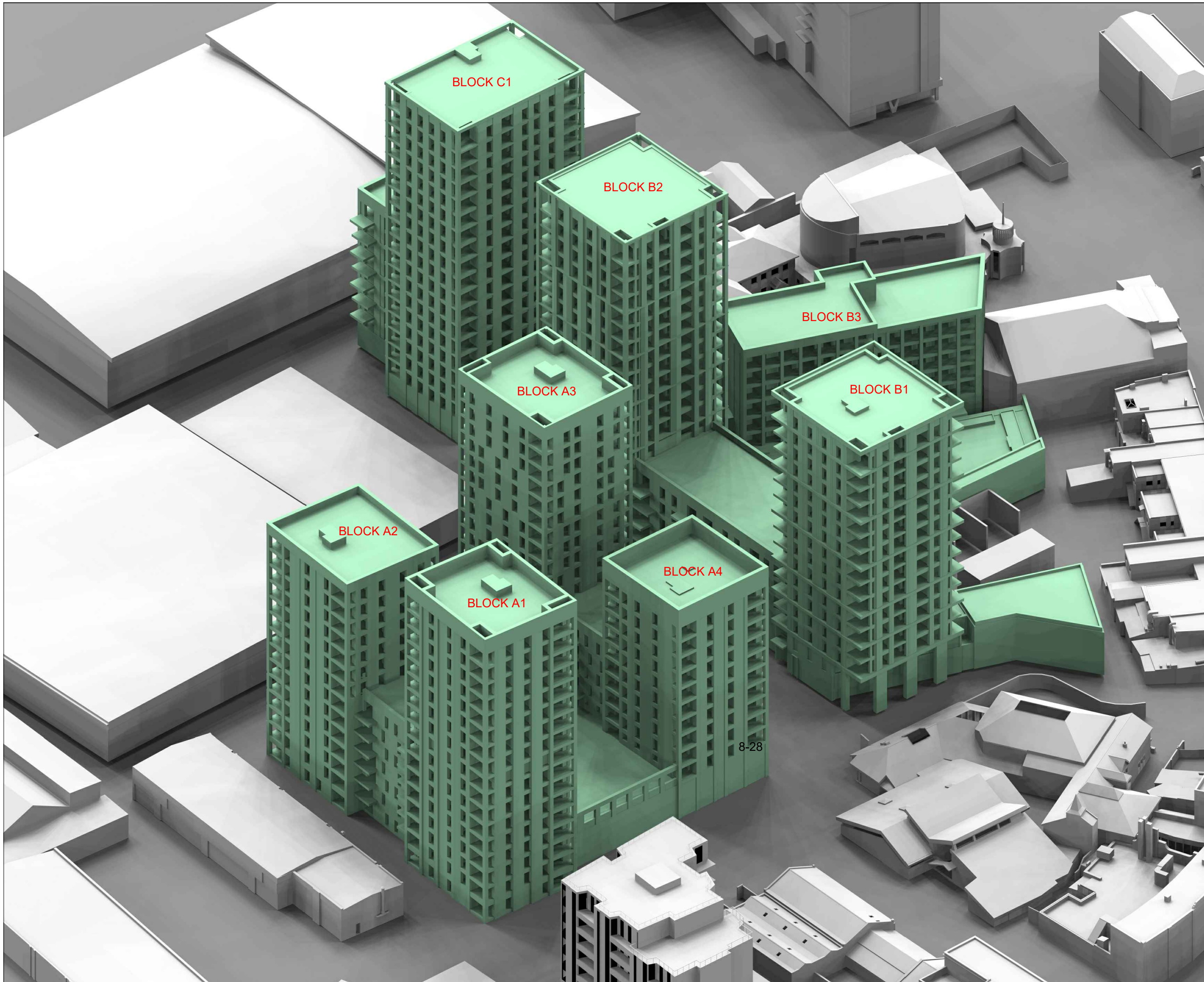
Drawing Title  
 PLAN VIEW  
 PROPOSED CONDITION

Drawn By CC	Chk'd By -	Scale @ A3 -	Date 19 MAR 2021
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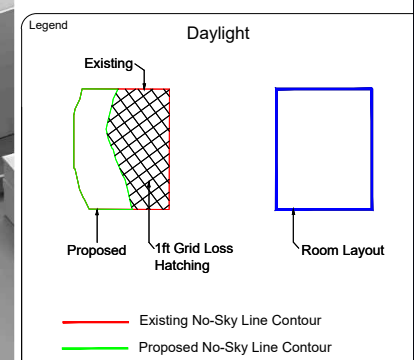
Project No. GR221_19	Drawing No. BRE_123	Revision
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Project Name  
 THE GREEN SOUTHALL

Client  
 PEABODY

Drawing Title  
 3D VIEW  
 PROPOSED CONDITION

Drawn By CC	Chk'd By -	Scale @ A3 -	Date 19 MAR 2021
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Project No. GR221_19	Drawing No. BRE_124	Revision
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# Appendix II

## Principles of Daylight and Sunlight



## Daylight & Sunlight Principles

The BRE Guidelines – Site Layout Planning for Daylight and Sunlight: A Guide to Good Practice are well established and are adopted by most Local Authorities as the appropriate scientific and empirical methods of measuring daylight and sunlight in order to provide objective data upon which to apply their planning policies. The Guidelines are not fixed standards but should be applied flexibly to take account of the specific circumstances of each case.

The Introduction of the Guidelines states:

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

The 'flexibility' recommended in the Guidelines should reflect the specific characteristics of each case being considered. For example, as the numerical targets within the Guidelines have been derived on the basis of a low density suburban housing model, it is entirely appropriate to apply a more flexible approach when dealing with higher rise developments in a denser urban environment where the general scale of development is greater. In addition, where existing and proposed buildings have specific design features such as projecting balconies, deep recesses, bay windows etc., it is also equally valid to apply a degree of flexibility to take account of the effect of these particular design features. This does not mean that the recommendations and targets within the Guidelines can be disregarded but, instead, the 'flexibility' that should be applied should be founded on sound scientific principles that can be supported and justified. This requires a certain level of professional value judgement and experience.

### Daylighting

In respect of daylighting, the BRE Guidelines adopt different methods of measurement depending on whether the assessment is for the impact on existing neighbouring premises or for measuring the adequacy of proposed new dwellings. For safeguarding the daylight received by existing neighbouring residential buildings around a proposed development, the relevant recommendations are set out in Section 2.2 of the Guidelines.

The adequacy of daylight received by existing neighbouring dwellings is measured using two methods of measurement. First, it is necessary to measure the Vertical Sky Component (VSC) followed by the measurement of internal Daylight Distribution by plotting the position of the 'existing' and 'proposed' no sky line contour.

VSC is measured at the mid-point on the external face of the window serving a habitable room. For the purpose of the Guidelines, a "habitable" room is defined as a Kitchen, Living Room or Bedroom. Bathrooms, hallways and circulation space are excluded from this definition. In addition, many Local Authorities make a further distinction in respect of small kitchens. Where the internal area of a small kitchen limits the use to food preparation and is not of sufficient size to accommodate some other form of "habitable" use such as dining, the kitchen need not be classed as a "habitable" room in its own right.

VSC is a 'spot' measurement taken on the face of the window and is a measure of the availability of light from the sky from over the "existing" and "proposed" obstruction caused by buildings or structures in front of the window. As it is measured on the outside face of the window, one of the inevitable shortcomings is that it does not take account of the size of the window or the size or use of the room served by the window. For this reason, the BRE Guidelines require internal Daylight Distribution to be measured in addition to VSC.

The 'No Sky Line' contour plotted for the purpose of measuring internal Daylight Distribution identifies those areas within the room usually measured on a horizontal working plane set at table top level, where there is direct sky visibility. This therefore represents those parts within the room where the sky can be seen through the window. This second measure therefore takes account of the size of the window and the size of the room but is only more reliable than VSC when the actual room uses, layouts and dimensions are known. When interpreted in conjunction with the VSC value, the likely internal lighting conditions, and hence the quality of lighting within the room, can be assessed.

For VSC, the Guidelines states that:

*"If this Vertical Sky Component is greater than 27% then enough skylight should still be reaching the window of the existing building. Any reduction below this level should be kept to a minimum. If the Vertical Sky Component with the new development in place is both less than 27% and less than 0.8 times its former value, then the occupants of the existing building will notice the reduction in the amount of skylight."*

To put this in context, the maximum VSC value that can be received for a totally unobstructed vertical window is 40%. There are however circumstances where the VSC value is already below 27%. In such circumstances, it is permissible to reduce the existing VSC value by a factor of 0.2 (i.e. 20%) so that the value on the 'proposed' conditions remains more than 0.8 times its former value. The scientific reasoning for this permissible margin of reduction is that existing daylight (and sunlight) levels can be reduced by a factor of 20% before the loss becomes materially noticeable. This factor of reduction applies to VSC, daylight distribution, sunlight and overshadowing.

By contrast, the adequacy of daylight for proposed 'New-Build' dwellings is measured using the standards in the British Standard Code of Practice for Daylighting, BS8206 Part 2.

The British Standard relies upon the use of Average Daylight Factors (ADF) rather than VSC and Daylight Distribution. The use of ADF is referred to in the BRE Guidelines (Appendix C) but its use is usually limited as a supplementary 'check' of internal lighting conditions once the VSC and Daylight Distribution tests have been completed.

ADF is sometimes seen as a more accurate and representative measure of internal lighting conditions as it comprises a greater number of design factors and input variables/coefficients. That is, the value of ADF is derived from:

- The actual amount of daylight received by the window(s) serving the room expressed as the "angle of visible sky" which is derived from the VSC value and therefore represents the amount of light striking the face of the window.
- The loss of transmittance through the glazing.
- The size of the window (net area of glazing).
- The size of the room served by the window(s) (net internal surface area of the room).
- The internal reflectance values of the internal finishes within the room.
- The specific use of the room.

One of the main reasons why ADF is more appropriate for New-Build dwellings is that any of the above input variables can be changed during the course of the design process in order to achieve the required internal lighting values. The ability to make such changes is not usually available when dealing with existing neighbouring buildings.

Unlike the application of VSC and daylight distribution, the British Standard differentiates between different room uses. It places the highest ADF standard on Family Kitchens where the minimum target value is 2% df. Living Rooms should achieve 1.5% df, and Bedrooms 1.0% df.

## **Sunlighting**

The requirements for protecting sunlight to existing residential buildings are set out in section 3.2 of the BRE Guidelines.

The availability of sunlight varies throughout the year with the maximum amount of sunlight being available on the summer solstice and the minimum on the winter solstice. In view of this, the internationally accepted test date for measuring sunlight is the spring equinox (21 March), on which day the United Kingdom has equal periods of daylight and darkness and sunlight is available from approximately 08:30hrs to 17:30hrs. In addition, on that date, sunlight received perpendicular to the face of a window would only be received where that window faces within 90° of due south. The BRE Guidelines therefore limit the extent of testing for sunlight where a window faces within 90° of due south.

The sunlight standards are normally applied to the principal Living Room within each dwelling rather than to kitchens and bedrooms.

The recommendation for sunlight is:

*"If this window reference point can receive more than one quarter of annual probable sunlight hours, including at least 5% of annual probable sunlight hours during the winter months of 21 September and 21 March, then the room should still receive enough sunlight .*

*Any reduction in sunlight access below this level should be kept to a minimum. If the availability of sunlight hours are both less than the amounts given and less than 0.8 times their former value, either over the whole year or just during the winter months, then the occupants of the existing building will notice the loss of sunlight."*

A good level of sunlight will therefore be achieved where a window achieves more than 25% APSH, of which 5% should be in the winter months. Where sunlight levels fall below this suggested recommendation, a comparison with the existing condition should be undertaken and if the reduction ratio is less than 0.2, i.e. the window continues to receive more than 0.8 times its existing sunlight levels, the impact on sunlight will be acceptable.

# Appendix III

## No Sky Line Contour Drawings (BRE/06 to BRE/64)

# Appendix IV

## Technical Spreadsheets

**THE GREEN SOUTHALL  
19-Mar-21  
JOB 19 - AMENITY RESULTS**

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>Block A1</b>										
<b>Base Floor</b>										
R1/299	BEDROOM	W1/299	22.25	2.13	78.00	58.80	75.38%	18	10	28
R2/299	LD	W2/299	5.79	1.10	185.30	165.50	89.31%	0	5	5
R3/299	BEDROOM	W3/299	23.59	1.39	170.00	66.10	38.88%	24	8	32
R4/299	LKD	W4/299	24.21	2.26	268.00	258.80	96.57%	24	7	31
		W5/299	10.63					6	4	10
R5/299	BEDROOM	W6/299	30.61	2.43	128.70	116.80	90.75%	N/A	N/A	N/A
R6/299	BEDROOM	W7/299	28.18	1.83	171.00	109.30	63.92%	N/A	N/A	N/A
R7/299	LD	W8/299	6.61	0.92	162.30	101.80	62.72%	N/A	N/A	N/A
R8/299	BEDROOM	W9/299	26.45	1.41	136.40	127.40	93.40%	N/A	N/A	N/A
<b>Gnd Floor</b>										
R1/300	BEDROOM	W1/300	24.04	2.86	137.60	120.80	87.79%	19	10	29
		W2/300	19.77					14	10	24
R2/300	BEDROOM	W3/300	6.05	1.39	145.80	117.50	80.59%	0	6	6
R3/300	BEDROOM	W4/300	25.86	2.69	81.10	43.70	53.88%	27	8	35
R4/300	KD	W5/300	26.04	1.71	151.10	89.80	59.43%	27	7	34
		W6/300	26.50					27	7	34
R5/300	LIVINGROOM	W7/300	12.28	3.81	165.20	162.40	98.31%	7	4	11
		W8/300	37.80					N/A	N/A	N/A
R7/300	BEDROOM	W9/300	36.62	2.87	125.40	118.80	94.74%	N/A	N/A	N/A
R8/300	BEDROOM	W10/300	36.58	2.61	148.90	132.60	89.05%	N/A	N/A	N/A
R9/300	LD	W11/300	11.59	1.67	199.30	188.70	94.68%	N/A	N/A	N/A
R10/300	LKD	W12/300	14.88	1.61	267.10	238.90	89.44%	N/A	N/A	N/A
R11/300	BEDROOM	W13/300	32.45	1.47	155.80	146.00	93.71%	N/A	N/A	N/A
<b>1st Floor</b>										
R13/301	BEDROOM	W18/301	14.00	0.36	122.20	34.10	27.91%	3	0	3
R14/301	BEDROOM	W19/301	11.99	0.55	77.30	34.40	44.50%	3	1	4
R15/301	BEDROOM	W20/301	8.61	0.31	126.50	27.70	21.90%	1	0	1
R16/301	BEDROOM	W21/301	17.45	0.73	154.40	103.20	66.84%	3	4	7
R17/301	BEDROOM	W22/301	18.22	1.31	78.40	42.70	54.46%	5	4	9
R18/301	BEDROOM	W23/301	19.10	1.42	78.40	66.50	84.82%	6	5	11
R19/301	DINING	W24/301	18.83	1.50	76.90	60.80	79.06%	11	4	15
R20/301	LIVINGROOM	W25/301	14.94	2.13	166.00	161.50	97.29%	6	2	8
		W26/301	6.87					0	6	6
R21/301	BEDROOM	W27/301	27.86	2.92	81.10	49.90	61.53%	27	11	38
R22/301	KD	W28/301	28.03	1.86	151.10	96.40	63.80%	27	10	37
		W29/301	28.45					27	10	37
R23/301	LIVINGROOM	W30/301	12.56	3.97	165.20	162.40	98.31%	7	4	11
		W31/301	39.21					N/A	N/A	N/A
R24/301	BEDROOM	W31/301	39.21	3.21	125.20	122.70	98.00%	N/A	N/A	N/A
R25/301	BEDROOM	W32/301	38.49	2.98	125.40	118.80	94.74%	N/A	N/A	N/A
R26/301	BEDROOM	W33/301	39.20	2.76	148.90	132.60	89.05%	N/A	N/A	N/A
R27/301	LD	W34/301	13.61	1.90	196.40	185.80	94.60%	N/A	N/A	N/A
R28/301	LIVINGROOM	W35/301	19.23	2.50	185.00	177.60	96.00%	N/A	N/A	N/A
R29/301	KD	W36/301	36.03	1.62	153.60	144.20	93.88%	N/A	N/A	N/A
<b>2nd Floor</b>										
R13/302	BEDROOM	W18/302	15.19	0.78	122.20	54.30	44.44%	6	0	6
R14/302	BEDROOM	W19/302	14.40	1.13	77.30	41.00	53.04%	8	1	9
R15/302	BEDROOM	W20/302	9.70	0.67	126.50	41.10	32.49%	2	0	2
R16/302	BEDROOM	W21/302	3.09	0.85	133.00	65.70	49.40%	0	1	1
R17/302	BEDROOM	W22/302	19.13	1.98	90.00	58.50	65.00%	7	4	11
R18/302	BEDROOM	W23/302	20.04	2.37	78.40	52.60	67.09%	11	4	15
R19/302	BEDROOM	W24/302	21.38	2.57	78.40	68.50	87.37%	11	6	17
R20/302	DINING	W25/302	23.38	2.94	76.90	62.70	81.53%	16	6	22
		W26/302	24.37					17	6	23
R21/302	LIVINGROOM	W27/302	8.79	3.23	166.00	161.50	97.29%	0	6	6
		W28/302	30.04					27	14	41
R22/302	BEDROOM	W28/302	30.04	3.17	81.10	61.20	75.46%	27	14	41
R23/302	KD	W29/302	30.17	2.01	151.10	112.60	74.52%	27	14	41
		W30/302	30.51					27	13	40
R24/302	LIVINGROOM	W31/302	12.57	4.11	165.20	162.40	98.31%	7	4	11



Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R25/302	BEDROOM	W32/302	39.25	3.21	125.20	122.70	98.00%	N/A	N/A	N/A	
R26/302	BEDROOM	W33/302	38.53	2.99	125.40	118.80	94.74%	N/A	N/A	N/A	
R27/302	BEDROOM	W34/302	39.25	2.76	148.90	132.60	89.05%	N/A	N/A	N/A	
R28/302	LD	W35/302	13.61	1.90	196.40	185.80	94.60%	N/A	N/A	N/A	
R29/302	LIVINGROOM	W36/302	19.31	2.50	185.00	177.60	96.00%	N/A	N/A	N/A	
R30/302	KD	W37/302	34.89	1.61	153.60	144.20	93.88%	N/A	N/A	N/A	
<b>3rd Floor</b>											
R13/303	BEDROOM	W18/303	16.83	0.87	122.20	69.50	56.87%	9	0	9	
R14/303	BEDROOM	W19/303	14.77	1.28	77.30	40.40	52.26%	8	1	9	
R15/303	BEDROOM	W20/303	11.14	0.75	126.50	66.30	52.41%	2	0	2	
R16/303	BEDROOM	W21/303	3.62	0.97	133.00	90.20	67.82%	1	1	2	
R17/303	BEDROOM	W22/303	20.49	2.11	90.00	66.60	74.00%	9	4	13	
R18/303	BEDROOM	W23/303	21.29	2.51	78.40	58.40	74.49%	11	4	15	
R19/303	BEDROOM	W24/303	22.46	2.68	78.40	68.50	87.37%	11	6	17	
R20/303	DINING	W25/303	24.26	3.03	76.90	62.90	81.79%	16	6	22	
R21/303	LIVINGROOM	W26/303	25.20	3.42	166.00	161.50	97.29%	17	6	23	
		W27/303	10.75					0	10	10	
R22/303	BEDROOM	W28/303	32.36	3.43	81.10	78.30	96.55%	27	16	43	
R23/303	KD	W29/303	32.45	2.18	151.10	140.60	93.05%	27	17	44	
R24/303	LIVINGROOM	W30/303	32.71	4.26	165.20	163.70	99.09%	27	16	43	
		W31/303	12.57					7	4	11	
R25/303	BEDROOM	W32/303	39.25	3.21	125.20	122.70	98.00%	N/A	N/A	N/A	
R26/303	BEDROOM	W33/303	38.53	2.99	125.40	118.80	94.74%	N/A	N/A	N/A	
R27/303	BEDROOM	W34/303	39.25	2.76	148.90	132.60	89.05%	N/A	N/A	N/A	
R28/303	LD	W35/303	13.61	1.90	196.40	185.80	94.60%	N/A	N/A	N/A	
R29/303	LIVINGROOM	W36/303	17.28	2.31	185.00	167.50	90.54%	N/A	N/A	N/A	
R30/303	KD	W37/303	36.23	1.62	153.60	143.40	93.36%	N/A	N/A	N/A	
<b>4th Floor</b>											
R13/304	BEDROOM	W18/304	18.37	0.98	122.20	71.70	58.67%	11	0	11	
R14/304	BEDROOM	W19/304	17.57	1.40	77.30	53.20	68.82%	14	1	15	
R15/304	BEDROOM	W20/304	12.68	0.84	126.50	76.00	60.08%	6	0	6	
R16/304	BEDROOM	W21/304	4.16	1.15	133.00	108.90	81.88%	4	1	5	
R17/304	BEDROOM	W22/304	21.97	2.26	90.00	66.60	74.00%	10	4	14	
R18/304	BEDROOM	W23/304	22.66	2.66	78.40	58.40	74.49%	11	4	15	
R19/304	BEDROOM	W24/304	23.67	2.81	78.40	68.50	87.37%	11	6	17	
R20/304	DINING	W25/304	25.25	3.14	76.90	62.90	81.79%	16	6	22	
R21/304	LIVINGROOM	W26/304	26.14	3.82	166.00	161.50	97.29%	17	6	23	
		W27/304	12.73					0	12	12	
R22/304	BEDROOM	W28/304	34.74	3.70	81.10	79.80	98.40%	27	21	48	
R23/304	KD	W29/304	34.80	2.35	151.10	141.70	93.78%	27	22	49	
R24/304	LIVINGROOM	W30/304	34.96	4.40	165.20	164.30	99.46%	27	22	49	
		W31/304	12.57					7	4	11	
R25/304	BEDROOM	W32/304	39.25	3.21	125.20	122.70	98.00%	N/A	N/A	N/A	
R26/304	BEDROOM	W33/304	38.53	2.99	125.40	118.80	94.74%	N/A	N/A	N/A	
R27/304	BEDROOM	W34/304	39.25	2.76	148.90	132.60	89.05%	N/A	N/A	N/A	
R28/304	LD	W35/304	13.61	1.90	196.40	185.80	94.60%	N/A	N/A	N/A	
R29/304	LIVINGROOM	W36/304	17.28	2.31	185.00	167.50	90.54%	N/A	N/A	N/A	
R30/304	KD	W37/304	35.35	1.61	153.60	144.70	94.21%	N/A	N/A	N/A	
<b>5th Floor</b>											
R13/305	BEDROOM	W18/305	20.03	1.07	122.20	75.10	61.46%	14	0	14	
R14/305	BEDROOM	W19/305	18.09	1.56	77.30	43.40	56.14%	16	1	17	
R15/305	BEDROOM	W20/305	14.23	0.92	126.50	78.20	61.82%	9	0	9	
R16/305	BEDROOM	W21/305	4.67	1.31	133.00	108.90	81.88%	4	1	5	
R17/305	BEDROOM	W22/305	23.51	2.42	90.00	67.50	75.00%	12	4	16	
R18/305	BEDROOM	W23/305	24.03	3.31	78.40	60.20	76.79%	12	6	18	
R19/305	BEDROOM	W24/305	24.97	2.97	78.40	68.50	87.37%	12	6	18	
R20/305	DINING	W25/305	26.34	3.27	76.90	63.10	82.05%	16	6	22	
R21/305	LIVINGROOM	W26/305	27.18	4.17	166.00	161.50	97.29%	17	6	23	
		W27/305	14.57					0	13	13	
R22/305	BEDROOM	W28/305	36.96	3.94	81.10	79.80	98.40%	27	22	49	
R23/305	KD	W29/305	36.98	2.50	151.10	141.70	93.78%	27	22	49	
R24/305	LIVINGROOM	W30/305	37.05	4.54	165.20	164.30	99.46%	27	22	49	
		W31/305	12.57					7	4	11	
R25/305	BEDROOM	W32/305	39.25	3.21	125.20	122.70	98.00%	N/A	N/A	N/A	
R26/305	BEDROOM	W33/305	38.53	2.99	125.40	118.80	94.74%	N/A	N/A	N/A	
R27/305	BEDROOM	W34/305	39.25	2.76	148.90	132.60	89.05%	N/A	N/A	N/A	

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R28/305	LD	W35/305	13.61		1.90	196.40	185.80	94.60%	N/A	N/A	N/A
R29/305	LIVINGROOM	W36/305	28.94		3.50	185.00	176.40	95.35%	N/A	N/A	N/A
R30/305	KD	W37/305	36.66		1.62	153.60	143.40	93.36%	N/A	N/A	N/A
<b>6th Floor</b>											
R9/306	BEDROOM	W15/306	17.87						0	0	0
		W16/306	18.42	4.24		133.00	132.40	99.55%	0	0	0
		W17/306	6.63						4	1	5
R10/306	BEDROOM	W18/306	25.22		2.59	90.00	67.80	75.33%	13	4	17
R11/306	BEDROOM	W19/306	25.74		3.02	78.40	60.20	76.79%	12	4	16
R12/306	BEDROOM	W20/306	26.46		3.14	78.40	68.50	87.37%	13	6	19
R13/306	DINING	W21/306	27.64		3.42	76.90	63.30	82.31%	16	6	22
R14/306	LIVINGROOM	W22/306	28.41						17	6	23
		W23/306	15.81	4.41		166.00	161.50	97.29%	0	13	13
R15/306	BEDROOM	W24/306	38.47		4.09	81.10	79.80	98.40%	27	22	49
R16/306	KD	W25/306	38.47		2.60	151.10	141.70	93.78%	27	22	49
R17/306	LIVINGROOM	W26/306	38.47		4.63	165.20	164.30	99.46%	27	22	49
		W27/306	12.57						7	4	11
R18/306	BEDROOM	W28/306	39.25		3.21	125.20	122.70	98.00%	N/A	N/A	N/A
R19/306	BEDROOM	W29/306	38.53		2.99	125.40	118.80	94.74%	N/A	N/A	N/A
R20/306	BEDROOM	W30/306	39.25		2.76	148.90	132.60	89.05%	N/A	N/A	N/A
R21/306	LKD	W31/306	15.03						N/A	N/A	N/A
		W32/306	21.21	3.29		267.10	265.00	99.21%	N/A	N/A	N/A
		W33/306	18.89						N/A	N/A	N/A
<b>7th Floor</b>											
R9/307	BEDROOM	W16/307	19.26		1.55	122.20	76.30	62.44%	N/A	N/A	N/A
R10/307	LKD	W17/307	19.76						0	0	0
		W18/307	7.81	3.39		351.40	342.40	97.44%	4	1	5
		W19/307	26.88						19	4	23
		W20/307	27.39						17	4	21
R11/307	BEDROOM	W21/307	28.09		2.39	122.50	104.00	84.90%	17	6	23
R12/307	LKD	W22/307	29.14						18	6	24
		W23/307	29.83	2.76		262.40	204.70	78.01%	20	6	26
		W24/307	15.84						0	0	0
R13/307	BEDROOM	W25/307	38.50		2.94	129.50	0.00	0.00%	27	22	49
R14/307	BEDROOM	W26/307	38.50		2.88	123.30	0.00	0.00%	27	22	49
		W27/307	38.50						27	22	49
		W28/307	12.57	2.76		330.90	236.20	71.38%	0	0	0
R15/307	LKD	W29/307	39.25						20	4	24
		W30/307	38.53	3.07		121.60	0.00	0.00%	N/A	N/A	N/A
R16/307	BEDROOM	W31/307	39.25						N/A	N/A	N/A
		W32/307	15.03	2.50		259.90	158.00	60.79%	N/A	N/A	N/A
		W33/307	22.41						N/A	N/A	N/A
R17/307	LKD	W33/307	22.41						N/A	N/A	N/A
R18/307	BEDROOM	W34/307	20.22		1.72	122.90	83.70	68.10%	N/A	N/A	N/A
<b>8th Floor</b>											
R9/308	BEDROOM	W16/308	21.08		1.71	122.20	76.10	62.27%	N/A	N/A	N/A
R10/308	LKD	W17/308	21.51						0	0	0
		W18/308	9.13	3.61		351.40	346.70	98.66%	6	1	7
		W19/308	28.76						21	4	25
		W20/308	29.27						19	4	23
R11/308	BEDROOM	W21/308	29.93		2.54	122.50	112.10	91.51%	19	6	25
R12/308	LKD	W22/308	30.85						20	6	26
		W23/308	31.44	4.54		262.40	254.50	96.99%	22	6	28
		W24/308	15.84						0	13	13
R13/308	BEDROOM	W25/308	38.50		2.94	129.50	118.50	91.51%	27	22	49
R14/308	BEDROOM	W26/308	38.50		2.88	123.30	102.00	82.73%	27	22	49
		W27/308	38.50						27	22	49
R15/308	LKD	W28/308	12.57	3.92		330.90	320.70	96.92%	7	4	11
		W29/308	39.25						20	4	24
		W30/308	38.53	3.07		121.60	106.10	87.25%	N/A	N/A	N/A
R16/308	BEDROOM	W31/308	39.25						N/A	N/A	N/A
		W32/308	15.03	4.22		259.90	245.60	94.50%	N/A	N/A	N/A
		W33/308	23.99						N/A	N/A	N/A
R17/308	LKD	W33/308	23.99						N/A	N/A	N/A
R18/308	BEDROOM	W34/308	21.97		1.89	122.90	83.20	67.70%	N/A	N/A	N/A

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>9th Floor</b>										
R9/309	BEDROOM	W16/309	23.44	1.92	122.20	78.60	64.32%	N/A	N/A	N/A
R10/309	LKD	W17/309	23.77	3.95	351.40	347.60	98.92%	0	0	0
		W18/309	10.58					7	1	8
		W19/309	30.84					23	4	27
		W20/309	31.34					22	4	26
R11/309	BEDROOM	W21/309	31.95	2.70	122.50	112.40	91.76%	22	6	28
R12/309	LKD	W22/309	32.70	4.69	262.40	255.90	97.52%	23	6	29
		W23/309	33.17					23	6	29
		W24/309	15.84					0	13	13
R13/309	BEDROOM	W25/309	38.50	2.94	129.50	118.50	91.51%	27	22	49
R14/309	BEDROOM	W26/309	38.50	2.88	123.30	102.00	82.73%	27	22	49
		W27/309	38.50	3.92	330.90	320.70	96.92%	27	22	49
R15/309	LKD	W28/309	12.57					7	4	11
		W29/309	39.25					20	4	24
R16/309	BEDROOM	W30/309	38.53	3.07	121.60	106.10	87.25%	N/A	N/A	N/A
R17/309	LKD	W31/309	39.25	4.31	259.90	245.60	94.50%	N/A	N/A	N/A
		W32/309	15.03					N/A	N/A	N/A
		W33/309	26.06					N/A	N/A	N/A
R18/309	BEDROOM	W34/309	24.26	2.09	122.90	84.70	68.92%	N/A	N/A	N/A
<b>10th Floor</b>										
R9/310	BEDROOM	W16/310	26.42	2.16	122.20	87.30	71.44%	N/A	N/A	N/A
R10/310	LKD	W17/310	26.63	4.26	351.40	347.60	98.92%	0	0	0
		W18/310	11.65					8	2	10
		W19/310	32.61					26	5	31
		W20/310	33.09					26	5	31
R11/310	BEDROOM	W21/310	33.64	2.82	122.50	112.80	92.08%	25	6	31
R12/310	LKD	W22/310	34.22	4.80	262.40	256.10	97.60%	25	6	31
		W23/310	34.51					25	6	31
		W24/310	15.84					0	13	13
R13/310	BEDROOM	W25/310	38.50	2.94	129.50	118.50	91.51%	27	22	49
R14/310	BEDROOM	W26/310	38.50	2.88	123.30	102.00	82.73%	27	22	49
		W27/310	38.50	3.92	330.90	320.70	96.92%	27	22	49
R15/310	LKD	W28/310	12.57					7	4	11
		W29/310	39.25					20	4	24
R16/310	BEDROOM	W30/310	38.53	3.07	121.60	106.10	87.25%	N/A	N/A	N/A
R17/310	LKD	W31/310	39.25	4.43	259.90	245.60	94.50%	N/A	N/A	N/A
		W32/310	15.03					N/A	N/A	N/A
		W33/310	28.68					N/A	N/A	N/A
R18/310	BEDROOM	W34/310	27.17	2.34	122.90	90.70	73.80%	N/A	N/A	N/A
<b>11th Floor</b>										
R1/311	BEDROOM	W1/311	30.64	2.61	122.90	118.80	96.66%	N/A	N/A	N/A
R2/311	BEDROOM	W2/311	29.96	2.43	122.20	106.10	86.82%	N/A	N/A	N/A
R3/311	LKD	W3/311	30.03	2.14	351.40	243.10	69.18%	0	0	0
		W4/311	12.74					8	4	12
		W5/311	34.43					0	0	0
R4/311	BEDROOM	W6/311	35.21	2.94	122.50	114.30	93.31%	26	6	32
R5/311	LKD	W7/311	35.63	4.90	262.40	259.40	98.86%	26	6	32
		W8/311	35.75					26	6	32
		W9/311	15.84					0	13	13
R6/311	BEDROOM	W10/311	38.50	2.94	129.50	121.50	93.82%	27	22	49
R7/311	BEDROOM	W11/311	38.50	2.88	123.30	105.00	85.16%	27	22	49
		W12/311	38.50	3.92	330.90	326.30	98.61%	27	22	49
		W13/311	12.57					7	4	11
W14/311	39.25	20	4					24		
R9/311	BEDROOM	W15/311	38.53	3.07	121.70	106.80	87.76%	N/A	N/A	N/A
R10/311	LKD	W16/311	39.25	4.55	259.90	251.00	96.58%	N/A	N/A	N/A
		W17/311	15.04					N/A	N/A	N/A
		W18/311	31.78					N/A	N/A	N/A

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>12th Floor</b>											
R1/312	BEDROOM	W1/312	34.36	2.89	122.90	118.80	96.66%	N/A	N/A	N/A	
R2/312	BEDROOM	W2/312	33.75	2.70	122.20	110.30	90.26%	N/A	N/A	N/A	
R3/312	LKD	W3/312	33.65	2.31	351.40	316.70	90.13%	0	0	0	
		W4/312	13.62					8	4	12	
		W5/312	35.74					0	0	0	
R4/312	BEDROOM	W6/312	36.40	3.02	122.50	114.70	93.63%	26	6	32	
R5/312	LKD	W7/312	36.71	4.98	262.40	259.40	98.86%	26	6	32	
		W8/312	36.72					26	6	32	
		W9/312	15.84					0	13	13	
R6/312	BEDROOM	W10/312	38.50	2.94	129.50	121.50	93.82%	27	22	49	
R7/312	BEDROOM	W11/312	38.50	2.88	123.30	105.00	85.16%	27	22	49	
R8/312	LKD	W12/312	38.50	3.92	330.90	326.30	98.61%	27	22	49	
		W13/312	12.57					7	4	11	
		W14/312	39.25					20	4	24	
R9/312	BEDROOM	W15/312	38.53	3.07	121.70	106.80	87.76%	N/A	N/A	N/A	
R10/312	LKD	W16/312	39.25	4.69	259.90	252.50	97.15%	N/A	N/A	N/A	
		W17/312	15.06					N/A	N/A	N/A	
		W18/312	35.10					N/A	N/A	N/A	
<b>13th Floor</b>											
R1/313	BEDROOM	W1/313	37.66	3.13	122.90	118.80	96.66%	N/A	N/A	N/A	
R2/313	BEDROOM	W2/313	37.25	2.94	122.20	110.40	90.34%	N/A	N/A	N/A	
R3/313	LKD	W3/313	37.00	2.45	351.40	316.60	90.10%	0	0	0	
		W4/313	14.17					8	4	12	
		W5/313	36.59					0	0	0	
R4/313	BEDROOM	W6/313	37.13	3.07	122.50	114.80	93.71%	26	6	32	
R5/313	LKD	W7/313	37.37	5.02	262.40	259.40	98.86%	26	6	32	
		W8/313	37.36					26	6	32	
		W9/313	15.84					0	13	13	
R6/313	BEDROOM	W10/313	38.50	2.94	129.50	121.50	93.82%	27	22	49	
R7/313	BEDROOM	W11/313	38.50	2.88	123.30	105.00	85.16%	27	22	49	
R8/313	LKD	W12/313	38.50	3.92	330.90	326.30	98.61%	27	22	49	
		W13/313	12.57					7	4	11	
		W14/313	39.25					20	4	24	
R9/313	BEDROOM	W15/313	38.53	3.07	121.70	106.80	87.76%	N/A	N/A	N/A	
R10/313	LKD	W16/313	39.25	4.79	259.90	252.50	97.15%	N/A	N/A	N/A	
		W17/313	15.07					N/A	N/A	N/A	
		W18/313	37.88					N/A	N/A	N/A	
<b>14th Floor</b>											
R1/314	BEDROOM	W1/314	38.28	3.17	122.90	118.80	96.66%	N/A	N/A	N/A	
R2/314	BEDROOM	W2/314	37.98	2.98	122.20	110.40	90.34%	N/A	N/A	N/A	
R3/314	LKD	W3/314	37.79	2.51	351.40	316.40	90.04%	0	0	0	
		W4/314	14.69					8	4	12	
		W5/314	37.44					0	0	0	
R4/314	BEDROOM	W6/314	37.85	3.12	122.50	114.80	93.71%	26	6	32	
R5/314	LKD	W7/314	38.01	5.06	262.40	259.40	98.86%	26	6	32	
		W8/314	37.98					26	6	32	
		W9/314	15.84					0	13	13	
R6/314	BEDROOM	W10/314	38.48	2.94	129.50	121.50	93.82%	27	22	49	
R7/314	BEDROOM	W11/314	38.48	2.88	123.30	105.00	85.16%	27	22	49	
R8/314	LKD	W12/314	38.48	3.92	330.90	326.30	98.61%	27	22	49	
		W13/314	12.57					7	4	11	
		W14/314	39.23					20	4	24	
R9/314	BEDROOM	W15/314	38.51	3.07	121.70	106.80	87.76%	N/A	N/A	N/A	
R10/314	LKD	W16/314	39.23	4.80	259.90	252.50	97.15%	N/A	N/A	N/A	
		W17/314	15.07					N/A	N/A	N/A	
		W18/314	38.42					N/A	N/A	N/A	

Room/Floor	Room Use	Window			Daylight Distribution			%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>15th Floor</b>										
R1/315	BEDROOM	W1/315	38.71	3.18	122.90	118.80	96.66%	N/A	N/A	N/A
R2/315	BEDROOM	W2/315	38.51	3.01	122.20	110.40	90.34%	N/A	N/A	N/A
R3/315	LKD	W3/315	38.38	2.56	351.40	316.40	90.04%	0	0	0
		W4/315	16.35					8	4	12
		W5/315	38.27					0	0	0
R4/315	BEDROOM	W6/315	38.54	3.16	122.50	114.80	93.71%	26	6	32
R5/315	LKD	W7/315	38.64	5.11	262.40	259.40	98.86%	26	6	32
		W8/315	38.59					26	6	32
		W9/315	17.19					0	13	13
R6/315	BEDROOM	W10/315	38.01	2.85	129.50	121.50	93.82%	24	22	46
R7/315	BEDROOM	W11/315	38.01	2.80	123.30	105.00	85.16%	24	22	46
R8/315	LKD	W12/315	38.01	3.85	330.90	326.30	98.61%	24	22	46
		W13/315	14.21					7	4	11
		W14/315	38.66					20	4	24
R9/315	BEDROOM	W15/315	38.02	2.98	121.70	106.80	87.76%	N/A	N/A	N/A
R10/315	LKD	W16/315	38.65	4.78	259.90	252.70	97.23%	N/A	N/A	N/A
		W17/315	16.62					N/A	N/A	N/A
		W18/315	38.80					N/A	N/A	N/A
<b>Block A2</b>										
<b>Base Floor</b>										
R9/299	BEDROOM	W10/299	26.43	1.38	135.50	128.10	94.54%	N/A	N/A	N/A
R10/299	LD	W11/299	12.41	1.75	204.00	155.20	76.08%	N/A	N/A	N/A
R11/299	LD	W12/299	7.15	0.79	195.50	94.60	48.39%	N/A	N/A	N/A
R12/299	BEDROOM	W13/299	25.78	2.91	88.60	81.40	91.87%	N/A	N/A	N/A
R13/299	BEDROOM	W14/299	25.87	2.05	146.20	128.80	88.10%	N/A	N/A	N/A
R14/299	DINING	W15/299	25.56	2.91	88.40	83.30	94.23%	N/A	N/A	N/A
R15/299	LIVINGROOM	W16/299	4.98	2.31	175.30	152.20	86.82%	N/A	N/A	N/A
		W17/299	23.50					N/A	N/A	N/A
R16/299	BEDROOM	W18/299	23.57	2.75	86.90	66.20	76.18%	N/A	N/A	N/A
R17/299	BEDROOM	W19/299	23.67	1.70	86.90	62.90	72.38%	N/A	N/A	N/A
R18/299	BEDROOM	W20/299	23.54	1.21	127.90	76.60	59.89%	N/A	N/A	N/A
<b>Gnd Floor</b>										
R12/300	BEDROOM	W14/300	32.52	1.46	156.00	146.20	93.72%	N/A	N/A	N/A
R13/300	LKD	W15/300	15.11	1.65	256.90	229.50	89.33%	N/A	N/A	N/A
R14/300	LD	W16/300	13.75	1.98	177.80	169.70	95.44%	N/A	N/A	N/A
R15/300	BEDROOM	W17/300	35.89	3.37	100.60	80.20	79.72%	N/A	N/A	N/A
R16/300	BEDROOM	W18/300	35.96	2.77	138.20	132.00	95.51%	N/A	N/A	N/A
R17/300	DINING	W19/300	35.51	3.80	88.40	83.30	94.23%	N/A	N/A	N/A
		W20/300	10.85	3.84	175.30	175.10	99.89%	N/A	N/A	N/A
R18/300	LIVINGROOM	W21/300	29.92					N/A	N/A	N/A
R19/300	BEDROOM	W22/300	29.72	3.36	86.90	85.60	98.50%	N/A	N/A	N/A
R20/300	BEDROOM	W23/300	29.67	2.07	86.90	81.50	93.79%	N/A	N/A	N/A
R21/300	BEDROOM	W24/300	29.46	2.01	86.90	80.30	92.41%	N/A	N/A	N/A
R22/300	BEDROOM	W25/300	29.50	4.80	122.40	121.50	99.26%	N/A	N/A	N/A
<b>1st Floor</b>										
R30/301	KD	W37/301	36.02	1.62	153.50	144.10	93.88%	N/A	N/A	N/A
R31/301	LIVINGROOM	W38/301	19.62	2.50	185.10	177.60	95.95%	N/A	N/A	N/A
R32/301	LD	W39/301	15.32	2.20	177.80	169.70	95.44%	N/A	N/A	N/A
R33/301	BEDROOM	W40/301	39.13	3.59	100.60	80.20	79.72%	N/A	N/A	N/A
R34/301	BEDROOM	W41/301	39.29	2.96	138.20	132.00	95.51%	N/A	N/A	N/A
R35/301	DINING	W42/301	38.99	4.05	88.40	83.30	94.23%	N/A	N/A	N/A
R36/301	LIVINGROOM	W43/301	12.67	4.39	175.30	175.10	99.89%	N/A	N/A	N/A
		W44/301	35.22					N/A	N/A	N/A
R37/301	BEDROOM	W45/301	34.83	3.85	86.90	85.60	98.50%	N/A	N/A	N/A
R38/301	BEDROOM	W46/301	34.67	2.36	86.90	81.90	94.25%	N/A	N/A	N/A
R39/301	BEDROOM	W47/301	34.41	2.28	86.90	80.30	92.41%	N/A	N/A	N/A
R40/301	BEDROOM	W48/301	34.31	5.45	122.40	121.50	99.26%	N/A	N/A	N/A
R41/301	BEDROOM	W49/301	33.27	1.87	119.30	106.30	89.10%	N/A	N/A	N/A
R42/301	BEDROOM	W50/301	33.95	2.24	91.70	87.80	95.75%	N/A	N/A	N/A
R43/301	BEDROOM	W51/301	33.45	1.96	108.20	97.00	89.65%	N/A	N/A	N/A
R44/301	KD	W52/301	5.98	0.91	155.80	103.20	66.24%	2	6	8
R45/301	LIVINGROOM	W53/301	5.59	1.55	179.20	143.00	79.80%	0	8	8
		W54/301	12.60					4	8	12
R46/301	BEDROOM	W55/301	6.90	0.26	153.90	31.30	20.34%	2	0	2
R47/301	BEDROOM	W56/301	9.12	0.48	86.50	32.70	37.80%	2	0	2

Room/Floor	Room Use	Window			Daylight Distribution			%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R48/301	LD	W57/301	0.48	0.11	214.20	14.40	6.72%	0	0	0
R49/301	BEDROOM	W58/301	10.95	0.32	135.00	33.50	24.81%	5	0	5
R50/301	BEDROOM	W59/301	12.48	0.49	77.30	33.50	43.34%	5	0	5
R51/301	BEDROOM	W60/301	13.66	0.35	122.20	39.20	32.08%	3	0	3
<b>2nd Floor</b>										
R31/302	KD	W38/302	34.93	1.61	153.50	144.30	94.01%	N/A	N/A	N/A
R32/302	LIVINGROOM	W39/302	19.67	2.51	185.10	177.60	95.95%	N/A	N/A	N/A
R33/302	LD	W40/302	15.40	2.21	177.80	169.70	95.44%	N/A	N/A	N/A
R34/302	BEDROOM	W41/302	39.33	3.60	100.60	80.20	79.72%	N/A	N/A	N/A
R35/302	BEDROOM	W42/302	39.54	2.97	138.20	132.00	95.51%	N/A	N/A	N/A
R36/302	DINING	W43/302	39.33	4.07	88.40	83.30	94.23%	N/A	N/A	N/A
R37/302	LIVINGROOM	W44/302	12.95	4.49	175.30	175.10	99.89%	N/A	N/A	N/A
		W45/302	36.85					N/A	N/A	N/A
R38/302	BEDROOM	W46/302	36.47	3.97	86.90	85.60	98.50%	N/A	N/A	N/A
R39/302	BEDROOM	W47/302	36.30	2.43	86.90	82.20	94.59%	N/A	N/A	N/A
R40/302	BEDROOM	W48/302	36.02	2.35	86.90	80.30	92.41%	N/A	N/A	N/A
R41/302	BEDROOM	W49/302	35.90	5.65	122.40	121.50	99.26%	N/A	N/A	N/A
R42/302	BEDROOM	W50/302	32.99	1.89	120.30	110.70	92.02%	N/A	N/A	N/A
R43/302	BEDROOM	W51/302	35.37	1.82	125.20	113.10	90.34%	N/A	N/A	N/A
R44/302	BEDROOM	W52/302	35.07	1.76	131.00	119.90	91.53%	N/A	N/A	N/A
R45/302	KD	W53/302	14.27	1.46	167.90	106.50	63.43%	16	8	24
		W54/302	4.63					0	6	6
R46/302	LIVINGROOM	W55/302	13.77	2.03	178.80	146.20	81.77%	16	8	24
		W56/302	7.52					0.62	153.90	37.40
R48/302	BEDROOM	W57/302	10.61	1.16	86.50	39.90	46.13%	9	0	9
R49/302	LD	W58/302	0.85	0.13	214.20	36.30	16.95%	0	0	0
R50/302	BEDROOM	W59/302	11.84	0.67	135.00	46.70	34.59%	10	0	10
R51/302	BEDROOM	W60/302	12.78	1.04	77.30	35.50	45.92%	11	0	11
R52/302	BEDROOM	W61/302	14.52	0.76	122.20	48.20	39.44%	9	0	9
<b>3rd Floor</b>										
R31/303	KD	W38/303	36.09	1.62	153.50	144.60	94.20%	N/A	N/A	N/A
R32/303	LIVINGROOM	W39/303	16.80	2.25	185.10	163.10	88.11%	N/A	N/A	N/A
R33/303	LD	W40/303	15.40	2.21	177.80	169.70	95.44%	N/A	N/A	N/A
R34/303	BEDROOM	W41/303	39.33	3.60	100.60	80.20	79.72%	N/A	N/A	N/A
R35/303	BEDROOM	W42/303	39.54	2.97	138.20	132.00	95.51%	N/A	N/A	N/A
R36/303	DINING	W43/303	39.33	4.07	88.40	83.30	94.23%	N/A	N/A	N/A
R37/303	LIVINGROOM	W44/303	12.95	4.50	175.30	175.10	99.89%	N/A	N/A	N/A
		W45/303	37.15					N/A	N/A	N/A
R38/303	BEDROOM	W46/303	36.80	3.99	86.90	85.60	98.50%	N/A	N/A	N/A
R39/303	BEDROOM	W47/303	36.65	2.44	86.90	82.20	94.59%	N/A	N/A	N/A
R40/303	BEDROOM	W48/303	36.36	2.36	86.90	80.30	92.41%	N/A	N/A	N/A
R41/303	BEDROOM	W49/303	36.27	5.69	122.40	121.50	99.26%	N/A	N/A	N/A
R42/303	BEDROOM	W50/303	35.11	1.90	120.30	97.20	80.80%	N/A	N/A	N/A
R43/303	BEDROOM	W51/303	35.78	1.83	125.20	96.80	77.32%	N/A	N/A	N/A
R44/303	BEDROOM	W52/303	35.27	1.76	131.00	109.30	83.44%	N/A	N/A	N/A
R45/303	KD	W53/303	15.20	1.51	167.90	108.70	64.74%	19	8	27
		W54/303	15.17					16	10	26
R46/303	LIVINGROOM	W55/303	14.48	2.74	178.80	153.60	85.91%	16	8	24
		W56/303	8.59					0.70	153.90	43.30
R48/303	BEDROOM	W57/303	13.46	1.42	86.50	44.30	51.21%	9	0	9
R49/303	LD	W58/303	1.25	0.29	214.20	77.90	36.37%	1	0	1
R50/303	BEDROOM	W59/303	12.89	0.74	135.00	67.70	50.15%	15	0	15
R51/303	BEDROOM	W60/303	14.77	1.16	77.30	56.40	72.96%	13	0	13
R52/303	BEDROOM	W61/303	16.39	0.86	122.20	68.90	56.38%	10	0	10
<b>4th Floor</b>										
R31/304	KD	W38/304	35.02	1.61	153.50	143.70	93.62%	N/A	N/A	N/A
R32/304	LIVINGROOM	W39/304	16.80	2.25	185.10	163.10	88.11%	N/A	N/A	N/A
R33/304	LD	W40/304	15.40	2.21	177.80	169.70	95.44%	N/A	N/A	N/A
R34/304	BEDROOM	W41/304	39.33	3.60	100.60	80.20	79.72%	N/A	N/A	N/A
R35/304	BEDROOM	W42/304	39.54	2.97	138.20	132.00	95.51%	N/A	N/A	N/A
R36/304	DINING	W43/304	39.33	4.07	88.40	83.30	94.23%	N/A	N/A	N/A
R37/304	LIVINGROOM	W44/304	13.32	4.53	175.30	175.10	99.89%	N/A	N/A	N/A
		W45/304	37.34					N/A	N/A	N/A
R38/304	BEDROOM	W46/304	37.01	4.00	86.90	85.60	98.50%	N/A	N/A	N/A
R39/304	BEDROOM	W47/304	36.88	2.45	86.90	82.20	94.59%	N/A	N/A	N/A
R40/304	BEDROOM	W48/304	36.57	2.36	86.90	80.30	92.41%	N/A	N/A	N/A

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R41/304	BEDROOM	W49/304	36.52	5.72	122.40	121.50	99.26%	N/A	N/A	N/A	
R42/304	BEDROOM	W50/304	15.94	1.02	153.90	66.00	42.88%	10	0	10	
R43/304	BEDROOM	W51/304	16.02	1.55	86.50	49.40	57.11%	12	0	12	
R44/304	LD	W52/304	1.73	0.39	214.20	128.30	59.90%	1	0	1	
R45/304	BEDROOM	W53/304	14.03	0.82	135.00	71.40	52.89%	16	0	16	
R46/304	BEDROOM	W54/304	15.24	1.27	77.30	43.80	56.66%	17	0	17	
R47/304	BEDROOM	W55/304	17.42	0.94	122.20	72.40	59.25%	15	0	15	
<b>5th Floor</b>											
R31/305	KD	W38/305	36.63	1.62	153.50	144.60	94.20%	N/A	N/A	N/A	
R32/305	LIVINGROOM	W39/305	28.27	3.42	185.10	173.60	93.79%	N/A	N/A	N/A	
R33/305	LD	W40/305	15.40	2.21	177.80	169.70	95.44%	N/A	N/A	N/A	
R34/305	BEDROOM	W41/305	39.33	3.60	100.60	80.20	79.72%	N/A	N/A	N/A	
R35/305	BEDROOM	W42/305	39.54	2.97	138.20	132.00	95.51%	N/A	N/A	N/A	
R36/305	LD	W43/305	39.33	4.87	263.10	260.20	98.90%	N/A	N/A	N/A	
		W44/305	15.62					N/A	N/A	N/A	
		W45/305	37.50					N/A	N/A	N/A	
R37/305	BEDROOM	W46/305	37.18	2.95	122.10	111.60	91.40%	N/A	N/A	N/A	
R38/305	BEDROOM	W47/305	37.07	3.70	125.00	121.40	97.12%	N/A	N/A	N/A	
		W48/305	36.76					N/A	N/A	N/A	
R39/305	LKD	W49/305	17.55	2.52	255.80	243.00	95.00%	0	0	0	
		W50/305	17.23					4	0	4	
R40/305	BEDROOM	W51/305	16.95	1.28	126.10	58.90	46.71%	10	0	10	
R41/305	BEDROOM	W52/305	17.12	1.35	121.30	62.10	51.20%	12	0	12	
R42/305	LD	W53/305	2.27	0.54	170.60	133.20	78.08%	1	0	1	
R43/305	BEDROOM	W54/305	15.33	0.89	135.00	78.30	58.00%	18	0	18	
R44/305	BEDROOM	W55/305	17.71	1.40	77.30	63.10	81.63%	17	0	17	
R45/305	BEDROOM	W56/305	19.49	1.04	122.20	74.30	60.80%	15	0	15	
<b>6th Floor</b>											
R22/306	LKD	W34/306	19.68	3.93	240.60	239.80	99.67%	12	7	19	
		W35/306	21.63					15	9	24	
		W36/306	16.31					9	4	13	
R23/306	BEDROOM	W37/306	39.33	3.60	100.60	80.20	79.72%	N/A	N/A	N/A	
R24/306	BEDROOM	W38/306	39.54	2.97	138.20	132.00	95.51%	N/A	N/A	N/A	
R25/306	LKD	W39/306	39.33	4.87	263.10	260.20	98.90%	N/A	N/A	N/A	
		W40/306	15.62					N/A	N/A	N/A	
		W41/306	37.66					N/A	N/A	N/A	
R26/306	BEDROOM	W42/306	37.37	2.95	122.10	111.60	91.40%	N/A	N/A	N/A	
R27/306	BEDROOM	W43/306	37.27	3.70	125.00	121.40	97.12%	N/A	N/A	N/A	
		W44/306	36.95					N/A	N/A	N/A	
R28/306	LKD	W45/306	17.61	2.57	255.80	243.20	95.07%	0	0	0	
		W46/306	18.28					4	1	5	
R29/306	BEDROOM	W47/306	18.08	1.37	126.10	72.30	57.34%	10	1	11	
R30/306	BEDROOM	W48/306	18.34	1.45	121.30	74.30	61.25%	13	0	13	
R31/306	LKD	W49/306	3.78	2.52	245.70	236.90	96.42%	2	1	3	
		W50/306	20.17					13	8	21	
		W51/306	18.94					14	7	21	
<b>7th Floor</b>											
R19/307	LKD	W36/307	22.25	4.00	273.90	260.40	95.07%	16	9	25	
		W37/307	16.31					9	4	13	
		W38/307	39.33					19	2	21	
R20/307	BEDROOM	W39/307	39.54	3.19	124.30	116.20	93.48%	N/A	N/A	N/A	
R21/307	LKD	W40/307	39.33	4.87	263.10	260.20	98.90%	N/A	N/A	N/A	
		W41/307	15.62					N/A	N/A	N/A	
		W42/307	37.82					N/A	N/A	N/A	
R22/307	BEDROOM	W43/307	37.55	2.95	122.10	111.60	91.40%	N/A	N/A	N/A	
R23/307	BEDROOM	W44/307	37.48	3.70	125.00	121.40	97.12%	N/A	N/A	N/A	
		W45/307	37.14					N/A	N/A	N/A	
R24/307	LKD	W46/307	17.68	2.61	255.80	245.10	95.82%	0	0	0	
		W47/307	19.45					5	1	6	
R25/307	BEDROOM	W48/307	19.31	1.46	126.10	88.00	69.79%	10	1	11	
R26/307	LKD	W49/307	19.67	1.86	361.20	338.30	93.66%	13	1	14	
		W50/307	4.57					2	1	3	
		W51/307	21.02					13	8	21	
R27/307	BEDROOM	W52/307	19.72	1.62	124.30	92.00	74.01%	15	7	22	
R28/307	BEDROOM	W35/307	20.35	1.76	122.90	84.50	68.76%	13	7	20	



Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>8th Floor</b>										
R19/308	LKD	W36/308	22.98	4.05	273.90	260.40	95.07%	18	9	27
		W37/308	16.31					9	4	13
		W38/308	39.33					19	2	21
R20/308	BEDROOM	W39/308	39.54	3.19	124.30	116.20	93.48%	N/A	N/A	N/A
R21/308	LKD	W40/308	39.33	4.87	263.10	260.30	98.94%	N/A	N/A	N/A
		W41/308	15.62					N/A	N/A	N/A
		W42/308	37.98					N/A	N/A	N/A
R22/308	BEDROOM	W43/308	37.74	2.96	122.10	111.60	91.40%	N/A	N/A	N/A
R23/308	BEDROOM	W44/308	37.68	3.70	125.00	121.40	97.12%	N/A	N/A	N/A
		W45/308	37.33					N/A	N/A	N/A
R24/308	LKD	W46/308	17.76	2.67	255.80	251.30	98.24%	0	0	0
		W47/308	20.74					5	2	7
R25/308	BEDROOM	W48/308	20.70	1.56	126.10	97.00	76.92%	10	2	12
		W49/308	21.16					13	2	15
R26/308	LKD	W50/308	5.38	1.98	361.20	340.50	94.27%	2	2	4
		W51/308	22.00					16	9	25
R27/308	BEDROOM	W52/308	20.62	1.64	124.30	92.00	74.01%	18	8	26
R28/308	BEDROOM	W35/308	21.16	1.77	122.90	84.50	68.76%	16	7	23
<b>9th Floor</b>										
R19/309	LKD	W36/309	23.86	4.05	273.90	260.40	95.07%	19	9	28
		W37/309	16.31					9	4	13
		W38/309	39.33					19	2	21
R20/309	BEDROOM	W39/309	39.54	3.19	124.30	116.20	93.48%	N/A	N/A	N/A
R21/309	LKD	W40/309	39.33	4.87	263.10	260.30	98.94%	N/A	N/A	N/A
		W41/309	15.62					N/A	N/A	N/A
		W42/309	38.13					N/A	N/A	N/A
R22/309	BEDROOM	W43/309	37.91	2.96	122.10	111.60	91.40%	N/A	N/A	N/A
		W44/309	37.88					N/A	N/A	N/A
R23/309	BEDROOM	W45/309	37.51	3.70	125.00	121.40	97.12%	N/A	N/A	N/A
		W46/309	17.88					0	0	0
R24/309	LKD	W47/309	22.15	2.74	255.80	252.00	98.51%	5	2	7
		W48/309	22.22					10	3	13
R25/309	BEDROOM	W49/309	22.79	1.70	126.10	97.50	77.32%	13	3	16
		W50/309	6.21					3	2	5
R26/309	LKD	W51/309	23.14	2.15	361.20	340.40	94.24%	16	9	25
		W52/309	21.70					18	8	26
R28/309	BEDROOM	W35/309	22.13	1.79	122.90	84.50	68.76%	17	7	24
<b>10th Floor</b>										
R19/310	LKD	W36/310	24.96	4.08	273.90	260.40	95.07%	22	9	31
		W37/310	16.31					9	4	13
		W38/310	39.33					19	2	21
R20/310	BEDROOM	W39/310	39.54	3.19	124.30	116.20	93.48%	N/A	N/A	N/A
R21/310	LKD	W40/310	39.33	4.87	263.10	260.30	98.94%	N/A	N/A	N/A
		W41/310	15.62					N/A	N/A	N/A
		W42/310	38.26					N/A	N/A	N/A
R22/310	BEDROOM	W43/310	38.07	2.96	122.10	111.60	91.40%	N/A	N/A	N/A
R23/310	BEDROOM	W44/310	38.06	3.70	125.00	121.40	97.12%	N/A	N/A	N/A
		W45/310	37.68					N/A	N/A	N/A
R24/310	LKD	W46/310	17.99	2.83	255.80	253.20	98.98%	0	0	0
		W47/310	23.73					7	2	9
R25/310	BEDROOM	W48/310	23.90	1.86	126.10	97.50	77.32%	10	3	13
		W49/310	24.57					13	3	16
R26/310	LKD	W50/310	7.03	2.33	361.20	340.40	94.24%	3	3	6
		W51/310	24.50					20	9	29
R27/310	BEDROOM	W52/310	23.03	1.75	124.30	92.00	74.01%	21	8	29
R28/310	BEDROOM	W35/310	23.34	1.87	122.90	84.70	68.92%	20	7	27
<b>11th Floor</b>										
R11/311	LKD	W19/311	26.35	4.14	273.90	260.40	95.07%	24	9	33
		W20/311	16.31					9	4	13
		W21/311	39.32					19	2	21
R12/311	BEDROOM	W22/311	39.54	3.19	124.30	116.20	93.48%	N/A	N/A	N/A
R13/311	LKD	W23/311	39.32	4.87	263.30	260.50	98.94%	N/A	N/A	N/A
		W24/311	15.62					N/A	N/A	N/A
		W25/311	38.40					N/A	N/A	N/A
R14/311	BEDROOM	W26/311	38.22	2.96	122.10	111.60	91.40%	N/A	N/A	N/A

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R15/311	BEDROOM	W27/311	38.25	3.70	125.00	121.40	97.12%	N/A	N/A	N/A
		W28/311	37.85					N/A	N/A	N/A
R16/311	LKD	W29/311	18.10	2.92	255.80	253.90	99.26%	0	0	0
		W30/311	25.50					10	2	12
R17/311	BEDROOM	W31/311	25.79	2.02	126.10	97.90	77.64%	11	3	14
R18/311	LKD	W32/311	26.52	2.53	361.20	340.90	94.38%	13	4	17
		W33/311	7.80					3	4	7
		W34/311	26.13					23	9	32
R19/311	BEDROOM	W35/311	24.69	1.88	124.30	92.20	74.18%	23	8	31
R20/311	BEDROOM	W36/311	24.88	2.00	122.90	84.40	68.67%	23	7	30
<b>12th Floor</b>										
R11/312	LKD	W19/312	28.09	4.21	273.90	260.40	95.07%	28	9	37
		W20/312	16.30					9	4	13
		W21/312	39.19					19	2	21
R12/312	BEDROOM	W22/312	39.36	3.18	124.30	116.20	93.48%	N/A	N/A	N/A
R13/312	LKD	W23/312	39.17	4.84	263.30	260.50	98.94%	N/A	N/A	N/A
		W24/312	15.02					N/A	N/A	N/A
		W25/312	38.41					N/A	N/A	N/A
R14/312	BEDROOM	W26/312	38.26	2.96	122.10	111.60	91.40%	N/A	N/A	N/A
R15/312	BEDROOM	W27/312	38.28	3.69	125.00	121.40	97.12%	N/A	N/A	N/A
		W28/312	37.91					N/A	N/A	N/A
R16/312	LKD	W29/312	17.28	2.97	255.80	253.90	99.26%	0	0	0
		W30/312	27.38					12	2	14
R17/312	BEDROOM	W31/312	27.73	2.19	126.10	99.10	78.59%	12	3	15
R18/312	LKD	W32/312	28.47	2.72	361.20	342.10	94.71%	14	4	18
		W33/312	9.29					3	4	7
		W34/312	28.01					28	9	37
R19/312	BEDROOM	W35/312	26.67	2.04	124.30	93.10	74.90%	28	8	36
R20/312	BEDROOM	W36/312	26.79	2.16	122.90	85.80	69.81%	28	7	35
<b>Block A3</b>										
<b>1st Floor</b>										
R52/301	BEDROOM	W61/301	33.24	1.72	129.70	118.30	91.21%	N/A	N/A	N/A
R53/301	BEDROOM	W62/301	32.63	2.31	82.20	77.10	93.80%	N/A	N/A	N/A
R54/301	BEDROOM	W63/301	32.01	1.80	118.80	98.90	83.25%	N/A	N/A	N/A
R55/301	BEDROOM	W64/301	31.17	5.07	130.20	127.60	98.00%	N/A	N/A	N/A
R56/301	BEDROOM	W65/301	30.39	2.48	131.70	118.50	89.98%	N/A	N/A	N/A
R57/301	BEDROOM	W66/301	29.44	2.45	139.40	110.20	79.05%	N/A	N/A	N/A
R58/301	LIVINGROOM	W67/301	28.45	1.94	210.80	163.80	77.70%	0	0	0
		W68/301	2.95					1	0	1
R59/301	KD	W69/301	14.61	1.04	208.60	61.50	29.48%	14	0	14
R60/301	BEDROOM	W70/301	15.03	1.45	138.20	66.80	48.34%	13	0	13
R61/301	BEDROOM	W71/301	15.31	1.82	100.60	55.70	55.37%	9	0	9
R62/301	LD	W72/301	3.20	0.22	241.90	47.90	19.80%	2	0	2
R63/301	BEDROOM	W73/301	2.15	0.27	144.70	45.70	31.58%	1	0	1
R64/301	LD	W74/301	1.19	2.29	162.10	104.70	64.59%	0	0	0
		W75/301	13.28					6	0	6
R65/301	BEDROOM	W76/301	7.99	0.40	104.90	34.40	32.79%	N/A	N/A	N/A
R66/301	LD	W77/301	0.62	0.12	200.50	16.60	8.28%	N/A	N/A	N/A
R67/301	BEDROOM	W78/301	8.65	0.40	125.10	43.20	34.53%	N/A	N/A	N/A
R68/301	BEDROOM	W79/301	5.87	0.29	134.60	33.90	25.19%	N/A	N/A	N/A
R69/301	LIVINGROOM	W80/301	11.26	1.48	175.60	137.50	78.30%	4	8	12
		W81/301	5.23					0	5	5
R70/301	KD	W82/301	5.56	0.86	156.00	104.10	66.73%	0	6	6
<b>2nd Floor</b>										
R53/302	BEDROOM	W62/302	34.51	1.72	132.60	114.30	86.20%	N/A	N/A	N/A
R54/302	BEDROOM	W63/302	33.92	1.75	128.10	116.70	91.10%	N/A	N/A	N/A
R55/302	BEDROOM	W64/302	33.15	1.72	128.20	115.00	89.70%	N/A	N/A	N/A
R56/302	BEDROOM	W65/302	32.42	5.22	130.20	127.70	98.08%	N/A	N/A	N/A
R57/302	BEDROOM	W66/302	31.52	2.54	131.70	118.50	89.98%	N/A	N/A	N/A
R58/302	BEDROOM	W67/302	30.46	2.50	139.40	110.80	79.48%	N/A	N/A	N/A
R59/302	LIVINGROOM	W68/302	29.37	2.47	210.80	164.60	78.08%	0	0	0
		W69/302	4.50					2	0	2
R60/302	KD	W70/302	17.11	1.18	208.60	130.00	62.32%	15	0	15
R61/302	BEDROOM	W71/302	17.58	1.60	146.00	96.60	66.16%	14	0	14
R62/302	BEDROOM	W72/302	17.72	2.05	100.60	61.60	61.23%	12	0	12
R63/302	LD	W73/302	4.88	0.74	241.90	118.10	48.82%	4	0	4

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R64/302	BEDROOM	W74/302	3.35	0.88	144.70	120.20	83.07%	5	0	5
R65/302	LD	W75/302	1.53					0	0	0
		W76/302	14.95	2.49	162.10	150.80	93.03%	7	0	7
R66/302	BEDROOM	W77/302	9.83	0.79	104.90	48.10	45.85%	N/A	N/A	N/A
R67/302	LD	W78/302	1.16	0.15	200.50	41.60	20.75%	N/A	N/A	N/A
R68/302	BEDROOM	W79/302	10.46	0.90	125.10	64.40	51.48%	N/A	N/A	N/A
R69/302	BEDROOM	W80/302	6.61	0.64	134.60	48.40	35.96%	N/A	N/A	N/A
R70/302	LIVINGROOM	W81/302	12.18					14	8	22
		W82/302	4.30	1.92	177.90	144.80	81.39%	0	4	4
R71/302	KD	W83/302	13.60	1.39	166.90	109.90	65.85%	14	7	21
<b>3rd Floor</b>										
R53/303	BEDROOM	W62/303	35.04	1.74	132.60	122.00	92.01%	N/A	N/A	N/A
R54/303	BEDROOM	W63/303	34.40	1.77	128.10	111.20	86.81%	N/A	N/A	N/A
R55/303	BEDROOM	W64/303	33.71	1.74	128.20	109.20	85.18%	N/A	N/A	N/A
R56/303	BEDROOM	W65/303	32.88	5.27	130.20	127.70	98.08%	N/A	N/A	N/A
R57/303	BEDROOM	W66/303	31.99	2.57	131.70	118.90	90.28%	N/A	N/A	N/A
R58/303	BEDROOM	W67/303	30.94	2.53	139.40	112.30	80.56%	N/A	N/A	N/A
R59/303	LIVINGROOM	W68/303	29.84	2.86	210.80	208.90	99.10%	0	0	0
		W69/303	6.06					3	1	4
R60/303	KD	W70/303	19.46	1.31	208.60	167.70	80.39%	19	1	20
R61/303	BEDROOM	W71/303	19.99	1.77	146.00	96.80	66.30%	19	1	20
R62/303	BEDROOM	W72/303	20.13	2.28	100.60	61.60	61.23%	15	1	16
R63/303	LD	W73/303	6.58	1.06	241.90	214.30	88.59%	8	0	8
R64/303	BEDROOM	W74/303	4.56	1.27	144.70	128.60	88.87%	6	0	6
R65/303	LD	W75/303	1.86					0	0	0
		W76/303	17.07	2.72	162.10	160.20	98.83%	10	0	10
R66/303	BEDROOM	W77/303	11.25	0.88	104.90	39.90	38.04%	N/A	N/A	N/A
R67/303	LD	W78/303	1.87	0.48	200.50	97.90	48.83%	N/A	N/A	N/A
R68/303	BEDROOM	W79/303	11.98	1.06	125.10	75.40	60.27%	N/A	N/A	N/A
R69/303	BEDROOM	W80/303	8.07	0.72	134.60	55.70	41.38%	N/A	N/A	N/A
R70/303	LIVINGROOM	W81/303	13.01					14	8	22
		W82/303	14.08	2.59	177.90	154.40	86.79%	14	6	20
R71/303	KD	W83/303	14.89	1.47	166.90	114.60	68.66%	17	7	24
<b>4th Floor</b>										
R48/304	BEDROOM	W56/304	23.01					N/A	N/A	N/A
		W57/304	33.21	7.14	130.20	127.80	98.16%	N/A	N/A	N/A
R49/304	BEDROOM	W58/304	32.34	2.59	131.70	119.00	90.36%	N/A	N/A	N/A
R50/304	BEDROOM	W59/304	31.28	2.55	139.40	112.50	80.70%	N/A	N/A	N/A
R51/304	LIVINGROOM	W60/304	30.19					0	0	0
		W61/304	7.45	3.11	210.80	208.90	99.10%	3	3	6
R52/304	KD	W62/304	21.26	1.41	208.60	133.10	63.81%	21	3	24
R53/304	BEDROOM	W63/304	21.95	1.97	138.20	94.90	68.67%	21	2	23
R54/304	BEDROOM	W64/304	22.27	2.47	100.60	56.80	56.46%	19	2	21
R55/304	LD	W65/304	8.03	1.26	241.90	214.30	88.59%	8	0	8
R56/304	BEDROOM	W66/304	5.64	1.54	144.70	128.60	88.87%	6	0	6
		W67/304	2.09					0	0	0
R57/304	LD	W68/304	19.73	2.92	162.10	160.50	99.01%	11	0	11
		W69/304	15.17	1.00	104.90	49.40	47.09%	N/A	N/A	N/A
R59/304	LD	W70/304	2.57	0.69	200.50	147.60	73.62%	N/A	N/A	N/A
R60/304	BEDROOM	W71/304	18.68	1.42	125.10	72.30	57.79%	N/A	N/A	N/A
R61/304	BEDROOM	W72/304	19.25	1.41	134.60	69.30	51.49%	N/A	N/A	N/A
<b>5th Floor</b>										
R46/305	BEDROOM	W57/305	20.52	1.67	121.70	62.50	51.36%	N/A	N/A	N/A
R47/305	LKD	W58/305	21.71					N/A	N/A	N/A
		W59/305	23.93	3.85	248.20	245.70	98.99%	N/A	N/A	N/A
		W60/305	15.81					N/A	N/A	N/A
R48/305	BEDROOM	W61/305	32.67	2.70	130.40	123.60	94.79%	N/A	N/A	N/A
		W62/305	31.62					0	0	0
R49/305	LKD	W63/305	30.53	3.78	297.50	294.40	98.96%	0	0	0
		W64/305	8.17					3	3	6
R50/305	BEDROOM	W65/305	22.70	1.98	144.00	86.40	60.00%	22	3	25
R51/305	BEDROOM	W66/305	23.44	2.05	138.20	96.00	69.46%	22	2	24
R52/305	BEDROOM	W67/305	23.77	2.57	100.60	56.90	56.56%	19	2	21
R53/305	LD	W68/305	8.81	1.35	241.90	214.30	88.59%	8	0	8
R54/305	BEDROOM	W69/305	6.20	1.65	144.70	128.60	88.87%	6	0	6

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R55/305	LD	W70/305	2.23	3.19	162.10	160.50	99.01%	0	0	0
			23.15					16	3	19
R56/305	BEDROOM	W72/305	17.76	1.11	104.90	42.20	40.23%	N/A	N/A	N/A
R57/305	LD	W73/305	3.08	0.94	166.90	140.70	84.30%	N/A	N/A	N/A
R58/305	BEDROOM	W74/305	20.16	1.59	124.80	71.90	57.61%	N/A	N/A	N/A
<b>6th Floor</b>										
R32/306	LKD	W52/306	16.20	2.74	249.10	235.30	94.46%	21	4	25
			17.60					23	6	29
			4.70					1	1	2
R33/306	BEDROOM	W55/306	21.55	1.77	124.80	92.80	74.36%	N/A	N/A	N/A
R34/306	BEDROOM	W56/306	22.32	1.85	121.70	92.50	76.01%	N/A	N/A	N/A
R35/306	LKD	W57/306	23.54	4.02	248.20	247.10	99.56%	N/A	N/A	N/A
			25.05					N/A	N/A	N/A
			15.99					N/A	N/A	N/A
R36/306	BEDROOM	W60/306	33.03	2.72	130.40	123.60	94.79%	N/A	N/A	N/A
R37/306	LKD	W61/306	31.99	3.81	297.50	294.40	98.96%	0	0	0
			30.91					0	0	0
			8.25					3	3	6
R38/306	BEDROOM	W64/306	23.91	1.51	208.60	170.00	81.50%	21	3	24
R39/306	BEDROOM	W65/306	24.55	2.03	146.00	99.00	67.81%	21	2	23
R40/306	BEDROOM	W66/306	24.71	2.62	100.60	62.90	62.52%	19	2	21
			9.88					8	2	10
R41/306	LKD	W68/306	16.74	3.37	241.90	235.00	97.15%	22	6	28
			16.14					22	4	26
<b>7th Floor</b>										
R29/307	BEDROOM	W53/307	23.83	1.99	121.70	92.70	76.17%	N/A	N/A	N/A
R30/307	LKD	W54/307	24.97	4.16	248.20	247.10	99.56%	N/A	N/A	N/A
			26.36					N/A	N/A	N/A
			16.19					N/A	N/A	N/A
R31/307	BEDROOM	W57/307	33.43	2.74	130.40	123.60	94.79%	N/A	N/A	N/A
R32/307	LKD	W58/307	32.40	3.84	297.50	294.40	98.96%	0	0	0
			31.34					0	0	0
			8.28					3	3	6
R33/307	BEDROOM	W61/307	24.72	2.06	144.00	107.30	74.51%	22	3	25
R34/307	BEDROOM	W62/307	25.40	2.29	124.30	79.50	63.96%	22	2	24
			25.58					19	2	21
			9.95					8	2	10
R35/307	LKD	W64/307	18.90	3.31	273.80	237.10	86.60%	24	6	30
			18.90					24	6	30
R36/307	BEDROOM	W66/307	18.37	1.71	123.30	79.30	64.31%	25	4	29
			18.44					26	3	29
R37/307	LKD	W68/307	19.69	2.62	299.10	279.50	93.45%	26	6	32
			4.72					1	1	2
R38/307	BEDROOM	W70/307	23.10	1.77	137.40	101.70	74.02%	N/A	N/A	N/A
<b>8th Floor</b>										
R29/308	BEDROOM	W53/308	25.34	2.12	121.70	69.80	57.35%	N/A	N/A	N/A
R30/308	LKD	W54/308	26.23	4.28	248.20	245.70	98.99%	N/A	N/A	N/A
			27.95					N/A	N/A	N/A
			16.41					N/A	N/A	N/A
R31/308	BEDROOM	W57/308	33.84	2.76	130.40	123.60	94.79%	N/A	N/A	N/A
R32/308	LKD	W58/308	32.84	3.86	297.50	294.30	98.92%	0	0	0
			31.81					0	0	0
			8.35					3	3	6
R33/308	BEDROOM	W61/308	25.16	2.07	144.00	90.10	62.57%	24	3	27
R34/308	BEDROOM	W62/308	26.01	2.32	124.30	71.90	57.84%	25	2	27
			26.43					23	2	25
			10.01					8	2	10
R35/308	LKD	W64/308	22.10	3.48	273.80	235.50	86.01%	30	8	38
			21.28					29	4	33
R36/308	BEDROOM	W66/308	21.35	1.96	131.00	88.40	67.48%	30	4	34
			21.35					30	4	34
R37/308	LKD	W68/308	22.06	2.86	299.10	286.60	95.82%	30	6	36
			5.35					1	1	2
R38/308	BEDROOM	W70/308	25.12	1.85	145.20	86.60	59.64%	N/A	N/A	N/A

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>9th Floor</b>										
R29/309	BEDROOM	W53/309	27.54	2.31	121.70	77.90	64.01%	N/A	N/A	N/A
R30/309	LKD	W54/309	28.33	4.47	248.20	245.70	98.99%	N/A	N/A	N/A
		W55/309	29.81					N/A	N/A	N/A
		W56/309	16.62					N/A	N/A	N/A
R31/309	BEDROOM	W57/309	34.29	2.78	130.40	123.60	94.79%	N/A	N/A	N/A
R32/309	LKD	W58/309	33.33	3.89	297.50	294.50	98.99%	0	0	0
		W59/309	32.33					0	0	0
		W60/309	8.48					3	3	6
R33/309	BEDROOM	W61/309	26.15	2.11	144.00	92.30	64.10%	24	3	27
R34/309	BEDROOM	W62/309	27.03	2.37	124.30	73.30	58.97%	26	2	28
		W63/309	27.48					24	2	26
R35/309	LKD	W64/309	10.14	3.64	273.80	236.70	86.45%	8	2	10
		W65/309	25.54					30	14	44
		W66/309	24.96					31	11	42
R36/309	BEDROOM	W67/309	25.03	3.16	299.10	286.90	95.92%	30	11	41
		W68/309	25.57					30	12	42
R37/309	LKD	W69/309	6.86					1	1	2
		W70/309	27.28	2.02	145.20	93.40	64.33%	N/A	N/A	N/A
<b>10th Floor</b>										
R29/310	BEDROOM	W53/310	30.04	2.52	121.70	90.80	74.61%	N/A	N/A	N/A
R30/310	LKD	W54/310	30.72	4.68	248.20	245.70	98.99%	N/A	N/A	N/A
		W55/310	31.91					N/A	N/A	N/A
		W56/310	16.84					N/A	N/A	N/A
R31/310	BEDROOM	W57/310	34.76	2.81	130.40	123.60	94.79%	N/A	N/A	N/A
R32/310	LKD	W58/310	33.85	3.92	297.50	294.70	99.06%	0	0	0
		W59/310	32.90					0	0	0
		W60/310	8.66					3	3	6
R33/310	BEDROOM	W61/310	27.26	2.16	144.00	94.20	65.42%	24	4	28
R34/310	BEDROOM	W62/310	28.17	2.43	124.30	77.10	62.03%	26	2	28
		W63/310	28.66					26	2	28
R35/310	LKD	W64/310	10.42	3.83	273.80	243.80	89.04%	8	2	10
		W65/310	29.54					31	19	50
		W66/310	29.26					31	16	47
R36/310	BEDROOM	W67/310	29.32	3.51	299.10	288.40	96.42%	31	18	49
		W68/310	29.65					31	17	48
R37/310	LKD	W69/310	8.62					2	1	3
		W70/310	29.74	2.21	145.20	110.20	75.90%	N/A	N/A	N/A
<b>11th Floor</b>										
R21/311	BEDROOM	W37/311	32.96	2.74	121.70	108.90	89.48%	N/A	N/A	N/A
R22/311	LKD	W38/311	33.54	4.91	248.20	247.30	99.64%	N/A	N/A	N/A
		W39/311	34.16					N/A	N/A	N/A
		W40/311	17.07					N/A	N/A	N/A
R23/311	BEDROOM	W41/311	35.06	2.85	130.40	118.60	90.95%	N/A	N/A	N/A
R24/311	LKD	W42/311	34.16	4.00	297.50	296.40	99.63%	0	0	0
		W43/311	33.17					0	0	0
		W44/311	8.88					3	3	6
R25/311	BEDROOM	W45/311	28.94	2.31	136.40	127.10	93.18%	23	4	27
R26/311	BEDROOM	W46/311	29.74	2.51	124.30	100.00	80.45%	25	3	28
		W47/311	30.10					25	2	27
R27/311	LKD	W48/311	11.01	4.02	274.00	268.00	97.81%	8	2	10
		W49/311	33.69					31	21	52
		W50/311	33.70					31	21	52
R28/311	BEDROOM	W51/311	33.76	4.01	299.10	289.80	96.89%	31	23	54
		W52/311	33.82					31	22	53
		W53/311	10.60					5	1	6
R29/311	LKD	W54/311	32.43	2.48	137.40	129.70	94.40%	N/A	N/A	N/A
<b>12th Floor</b>										
R21/312	BEDROOM	W37/312	35.61	2.94	121.70	108.90	89.48%	N/A	N/A	N/A
R22/312	LKD	W38/312	36.02	5.13	248.20	247.30	99.64%	N/A	N/A	N/A
		W39/312	36.39					N/A	N/A	N/A
		W40/312	17.29					N/A	N/A	N/A
R23/312	BEDROOM	W41/312	35.61	2.87	130.40	119.60	91.72%	N/A	N/A	N/A
R24/312	LKD	W42/312	34.79	4.04	297.50	296.40	99.63%	0	0	0
		W43/312	33.87					0	0	0
		W44/312	9.13					3	3	6

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total	
R25/312	BEDROOM	W45/312	30.31	2.38	136.40	128.40	94.13%	23	5	28	
R26/312	BEDROOM	W46/312	31.13	2.59	124.30	106.20	85.44%	25	3	28	
R27/312	LKD	W47/312	31.55	4.16	274.00	268.40	97.96%	25	3	28	
		W48/312	11.85					8	2	10	
		W49/312	36.40					31	23	54	
R28/312	BEDROOM	W50/312	36.52	3.00	131.00	125.80	96.03%	31	23	54	
R29/312	LKD	W51/312	36.56	4.34	299.10	297.70	99.53%	31	23	54	
		W52/312	36.40					31	23	54	
		W53/312	12.59					10	1	11	
R30/312	BEDROOM	W54/312	35.15	2.67	137.40	129.70	94.40%	N/A	N/A	N/A	
<b>13th Floor</b>											
R11/313	BEDROOM	W19/313	38.01	3.12	121.70	108.90	89.48%	N/A	N/A	N/A	
R12/313	LKD	W20/313	38.25	5.32	248.20	247.30	99.64%	N/A	N/A	N/A	
		W21/313	38.41					N/A	N/A	N/A	
		W22/313	17.52					N/A	N/A	N/A	
R13/313	BEDROOM	W23/313	36.18	2.89	130.40	120.40	92.33%	N/A	N/A	N/A	
R14/313	LKD	W24/313	35.46	4.09	297.50	296.40	99.63%	0	0	0	
		W25/313	34.63					0	0	0	
		W26/313	9.42					3	3	6	
R15/313	BEDROOM	W27/313	31.79	2.46	136.40	128.40	94.13%	23	5	28	
R16/313	BEDROOM	W28/313	32.60	2.68	124.30	107.50	86.48%	25	4	29	
R17/313	LKD	W29/313	33.07	4.26	274.00	269.00	98.18%	25	4	29	
		W30/313	12.78					8	3	11	
		W31/313	37.27					31	23	54	
R18/313	BEDROOM	W32/313	37.35	3.03	131.00	125.80	96.03%	31	23	54	
R19/313	LKD	W33/313	37.36	4.50	299.10	297.70	99.53%	31	23	54	
		W34/313	37.23					31	23	54	
		W35/313	14.41					10	2	12	
R20/313	BEDROOM	W36/313	37.63	2.85	137.40	129.70	94.40%	N/A	N/A	N/A	
<b>14th Floor</b>											
R11/314	BEDROOM	W19/314	38.51	3.15	121.70	110.20	90.55%	N/A	N/A	N/A	
R12/314	LKD	W20/314	38.71	5.37	248.20	247.30	99.64%	N/A	N/A	N/A	
		W21/314	38.87					N/A	N/A	N/A	
		W22/314	17.73					N/A	N/A	N/A	
R13/314	BEDROOM	W23/314	36.90	2.90	130.40	123.60	94.79%	N/A	N/A	N/A	
R14/314	LKD	W24/314	36.35	4.11	297.50	295.70	99.39%	0	0	0	
		W25/314	35.73					0	0	0	
		W26/314	9.97					3	3	6	
R15/314	BEDROOM	W27/314	32.94	2.47	144.20	110.70	76.77%	24	6	30	
R16/314	BEDROOM	W28/314	33.81	2.77	124.30	94.70	76.19%	26	5	31	
R17/314	LKD	W29/314	34.44	4.36	274.00	260.60	95.11%	26	5	31	
		W30/314	13.80					8	4	12	
		W31/314	38.07					29	23	52	
R18/314	BEDROOM	W32/314	38.17	3.05	131.00	125.80	96.03%	31	23	54	
R19/314	LKD	W33/314	38.15	4.55	299.10	297.20	99.36%	31	23	54	
		W34/314	38.11					31	23	54	
		W35/314	14.94					10	3	13	
R20/314	BEDROOM	W36/314	38.23	2.79	145.20	133.10	91.67%	N/A	N/A	N/A	
<b>15th Floor</b>											
R11/315	BEDROOM	W19/315	39.00	3.19	121.70	110.20	90.55%	N/A	N/A	N/A	
R12/315	LKD	W20/315	39.11	5.40	248.20	247.30	99.64%	N/A	N/A	N/A	
		W21/315	39.20					N/A	N/A	N/A	
		W22/315	17.94					N/A	N/A	N/A	
R13/315	BEDROOM	W23/315	37.46	2.92	130.40	123.60	94.79%	N/A	N/A	N/A	
R14/315	LKD	W24/315	37.03	4.18	297.50	295.70	99.39%	0	0	0	
		W25/315	36.54					0	0	0	
		W26/315	11.04					3	3	6	
R15/315	BEDROOM	W27/315	34.59	2.55	144.20	123.00	85.30%	25	6	31	
R16/315	BEDROOM	W28/315	35.37	2.87	124.30	107.80	86.73%	26	6	32	



Room/Floor	Room Use	Window			Daylight Distribution			%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R17/315	LKD	W29/315	35.96	4.50	274.00	260.60	95.11%	26	6	32
		W30/315	14.79					8	5	13
		W31/315	38.91					31	24	55
R18/315	BEDROOM	W32/315	38.93	3.07	131.00	125.80	96.03%	31	24	55
		W33/315	38.89					31	23	54
R19/315	LKD	W34/315	38.85	4.61	299.10	297.20	99.36%	31	23	54
		W35/315	15.36					10	3	13
		W36/315	38.85					2.83	145.20	133.20
<b>16th Floor</b>										
R1/316	BEDROOM	W1/316	39.45	3.21	121.70	110.20	90.55%	N/A	N/A	N/A
R2/316	LKD	W2/316	39.48	5.40	248.20	247.30	99.64%	N/A	N/A	N/A
		W3/316	39.50					N/A	N/A	N/A
		W4/316	19.05					N/A	N/A	N/A
R3/316	BEDROOM	W5/316	37.90	2.94	130.40	123.60	94.79%	N/A	N/A	N/A
		W6/316	37.60					0	0	0
R4/316	LKD	W7/316	37.25	4.26	297.50	295.70	99.39%	0	0	0
		W8/316	13.74					5	3	8
		W9/316	36.03					26	6	32
R6/316	BEDROOM	W10/316	36.65	2.95	124.30	111.60	89.78%	26	6	32
R7/316	LKD	W11/316	37.13	4.60	274.00	260.60	95.11%	26	6	32
		W12/316	17.00					8	5	13
		W13/316	39.53					31	24	55
R8/316	BEDROOM	W14/316	39.51	3.08	131.00	125.80	96.03%	31	24	55
R9/316	LKD	W15/316	39.48	4.67	299.10	297.50	99.47%	31	24	55
		W16/316	39.46					31	24	55
		W17/316	17.60					10	4	14
R10/316	BEDROOM	W18/316	39.41	2.87	145.20	133.10	91.67%	N/A	N/A	N/A
<b>Block A4</b>										
<b>1st Floor</b>										
R1/301	LD	W1/301	4.91	1.25	171.40	93.00	54.26%	1	4	5
R2/301	BEDROOM	W2/301	10.97	2.12	147.60	103.20	69.92%	0	0	0
R3/301	LKD	W3/301	3.69	0.99	317.20	154.50	48.71%	0	1	1
		W4/301	16.50					6	3	9
R4/301	BEDROOM	W5/301	18.04	1.35	147.30	63.30	42.97%	10	3	13
R5/301	LKD	W6/301	20.25	2.80	249.00	243.70	97.87%	14	5	19
		W7/301	17.42					0	16	16
R6/301	BEDROOM	W8/301	37.25	3.20	119.00	111.80	93.95%	28	23	51
R7/301	BEDROOM	W9/301	36.85	2.65	144.80	138.40	95.58%	28	22	50
R8/301	LKD	W10/301	15.07	2.10	249.00	246.90	99.16%	0	14	14
		W11/301	15.88					8	3	11
R9/301	BEDROOM	W12/301	15.10	1.26	153.40	115.40	75.23%	N/A	N/A	N/A
		W13/301	15.03					N/A	N/A	N/A
R10/301	LD	W14/301	2.21	0.30	181.70	50.00	27.52%	N/A	N/A	N/A
R11/301	BEDROOM	W15/301	11.40	0.62	132.80	80.00	60.24%	N/A	N/A	N/A
		W16/301	8.06					N/A	N/A	N/A
R12/301	LD	W17/301	2.52	0.51	194.90	39.40	20.22%	N/A	N/A	N/A
<b>2nd Floor</b>										
R1/302	LD	W1/302	6.93	1.43	171.40	134.00	78.18%	3	3	6
R2/302	BEDROOM	W2/302	12.36	2.25	147.60	130.90	88.69%	1	0	1
R3/302	LKD	W3/302	4.47	1.20	317.20	187.60	59.14%	1	1	2
		W4/302	18.06					6	4	10
R4/302	BEDROOM	W5/302	19.00	1.40	147.30	70.40	47.79%	10	3	13
R5/302	LKD	W6/302	21.09	2.87	249.00	245.40	98.55%	14	5	19
		W7/302	17.99					0	16	16
R6/302	BEDROOM	W8/302	38.12	3.25	119.00	111.80	93.95%	28	23	51
R7/302	BEDROOM	W9/302	37.77	2.70	144.80	138.40	95.58%	28	22	50
R8/302	LKD	W10/302	16.08	2.58	249.00	246.90	99.16%	2	15	17
		W11/302	17.66					11	4	15
R9/302	BEDROOM	W12/302	16.52	2.35	153.40	123.60	80.57%	N/A	N/A	N/A
		W13/302	16.47					N/A	N/A	N/A
R10/302	LD	W14/302	2.93	0.40	181.70	74.20	40.84%	N/A	N/A	N/A
R11/302	BEDROOM	W15/302	11.95	1.39	132.80	82.70	62.27%	N/A	N/A	N/A
		W16/302	12.43					N/A	N/A	N/A
R12/302	LD	W17/302	4.46	0.95	194.90	60.70	31.14%	N/A	N/A	N/A

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>3rd Floor</b>										
R1/303	LD	W1/303	8.38	1.70	171.40	161.20	94.05%	6	3	9
R2/303	BEDROOM	W2/303	13.96	2.47	147.60	131.20	88.89%	5	0	5
R3/303	LKD	W3/303	5.21	1.28	317.20	244.00	76.92%	2	1	3
		W4/303	18.75					6	3	9
R4/303	BEDROOM	W5/303	19.85	1.44	147.30	70.50	47.86%	10	3	13
R5/303	LKD	W6/303	21.74	2.89	249.00	245.50	98.59%	14	5	19
		W7/303	18.21					0	16	16
R6/303	BEDROOM	W8/303	38.55	3.27	119.00	111.80	93.95%	28	23	51
R7/303	BEDROOM	W9/303	38.27	2.73	144.80	138.40	95.58%	28	22	50
R8/303	LKD	W10/303	16.43	2.64	249.00	246.90	99.16%	2	16	18
		W11/303	18.89					11	4	15
R9/303	BEDROOM	W12/303	17.92	2.50	153.40	129.30	84.29%	N/A	N/A	N/A
		W13/303	18.05					N/A	N/A	N/A
R10/303	LD	W14/303	3.65	0.72	181.70	121.80	67.03%	N/A	N/A	N/A
R11/303	BEDROOM	W15/303	14.92	1.54	132.80	93.70	70.56%	N/A	N/A	N/A
		W16/303	13.92					N/A	N/A	N/A
R12/303	LD	W17/303	5.90	1.10	194.90	107.50	55.16%	N/A	N/A	N/A
<b>4th Floor</b>										
R1/304	LD	W1/304	9.58	1.90	171.40	161.20	94.05%	6	3	9
R2/304	BEDROOM	W2/304	16.08	2.65	147.60	131.60	89.16%	5	0	5
R3/304	LKD	W3/304	5.85	1.38	317.20	244.00	76.92%	2	1	3
		W4/304	19.72					7	3	10
R4/304	BEDROOM	W5/304	20.60	1.46	147.30	70.60	47.93%	11	3	14
R5/304	LKD	W6/304	22.32	2.90	249.00	245.50	98.59%	14	5	19
		W7/304	18.33					0	16	16
R6/304	BEDROOM	W8/304	38.87	3.27	119.00	111.80	93.95%	28	23	51
R7/304	BEDROOM	W9/304	38.66	2.75	144.80	138.40	95.58%	28	22	50
R8/304	LKD	W10/304	16.69	2.70	249.00	246.90	99.16%	2	16	18
		W11/304	20.18					11	4	15
R9/304	BEDROOM	W12/304	19.39	2.67	153.40	129.30	84.29%	N/A	N/A	N/A
		W13/304	19.72					N/A	N/A	N/A
R10/304	LD	W14/304	4.42	0.93	181.70	145.40	80.02%	N/A	N/A	N/A
R11/304	BEDROOM	W15/304	15.89	1.72	132.80	86.20	64.91%	N/A	N/A	N/A
		W16/304	17.74					N/A	N/A	N/A
R12/304	LD	W17/304	7.25	1.32	194.90	172.10	88.30%	N/A	N/A	N/A
<b>5th Floor</b>										
R1/305	LD	W1/305	22.88	3.08	171.40	163.30	95.27%	12	4	16
R2/305	BEDROOM	W2/305	18.25	2.87	147.60	133.30	90.31%	6	0	6
R3/305	LKD	W3/305	6.15	1.42	317.20	244.20	76.99%	2	1	3
		W4/305	20.52					7	3	10
R4/305	BEDROOM	W5/305	21.28	1.48	147.30	71.10	48.27%	11	3	14
R5/305	LKD	W6/305	22.91	2.91	249.00	245.50	98.59%	14	5	19
		W7/305	18.43					0	16	16
R6/305	BEDROOM	W8/305	39.14	3.28	119.00	111.80	93.95%	28	23	51
R7/305	BEDROOM	W9/305	39.01	2.76	144.80	138.40	95.58%	28	23	51
R8/305	LKD	W10/305	16.91	2.75	249.00	246.90	99.16%	2	16	18
		W11/305	21.43					11	5	16
R9/305	BEDROOM	W12/305	20.81	2.84	153.40	129.30	84.29%	N/A	N/A	N/A
		W13/305	21.29					N/A	N/A	N/A
R10/305	LD	W14/305	5.19	1.09	181.70	145.40	80.02%	N/A	N/A	N/A
R11/305	BEDROOM	W15/305	19.43	1.88	132.80	99.30	74.77%	N/A	N/A	N/A
		W16/305	20.93					N/A	N/A	N/A
R12/305	LD	W17/305	20.81	2.35	194.90	172.10	88.30%	N/A	N/A	N/A
<b>6th Floor</b>										
R1/306	LKD	W1/306	13.78	1.96	317.20	287.30	90.57%	0	0	0
		W2/306	6.57					2	1	3
		W3/306	21.65					7	4	11
R2/306	BEDROOM	W4/306	21.98	1.50	147.30	71.40	48.47%	11	3	14
R3/306	LKD	W5/306	23.54	2.92	249.00	245.50	98.59%	14	5	19
		W6/306	18.49					0	16	16
R4/306	BEDROOM	W7/306	39.32	3.28	119.00	111.80	93.95%	28	23	51
R5/306	BEDROOM	W8/306	39.23	2.77	144.80	138.40	95.58%	28	23	51

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R6/306	LKD	W9/306	17.03	2.79	249.00	246.90	99.16%	2	16	18
		W10/306	22.68					11	5	16
R7/306	BEDROOM	W11/306	22.21	2.99	153.40	129.30	84.29%	N/A	N/A	N/A
		W12/306	22.84					N/A	N/A	N/A
R8/306	LD	W13/306	6.28	2.31	181.70	170.90	94.06%	N/A	N/A	N/A
		W14/306	16.16					N/A	N/A	N/A
<b>7th Floor</b>										
R1/307	LKD	W1/307	14.78	2.13	387.20	354.00	91.43%	0	0	0
		W2/307	14.72					0	0	0
		W3/307	6.64					2	1	3
		W4/307	22.10					8	3	11
R2/307	BEDROOM	W5/307	22.78	1.53	147.30	72.10	48.95%	11	3	14
R3/307	LKD	W6/307	24.28	2.94	249.00	245.50	98.59%	14	5	19
		W7/307	18.49					0	16	16
R4/307	BEDROOM	W8/307	39.33	3.28	119.00	111.80	93.95%	28	23	51
R5/307	BEDROOM	W9/307	39.25	2.77	144.80	138.40	95.58%	28	23	51
R6/307	LKD	W10/307	17.04	2.83	249.00	246.90	99.16%	2	16	18
		W11/307	23.67					11	5	16
R7/307	BEDROOM	W12/307	23.27	3.14	153.40	129.30	84.29%	N/A	N/A	N/A
		W13/307	23.91					N/A	N/A	N/A
R8/307	LD	W14/307	6.66	2.36	181.70	173.10	95.27%	N/A	N/A	N/A
		W15/307	17.03					N/A	N/A	N/A
<b>8th Floor</b>										
R1/308	LKD	W1/308	15.77	1.89	310.70	291.10	93.69%	0	0	0
		W2/308	15.77					0	0	0
		W3/308	6.69					2	1	3
R2/308	BEDROOM	W4/308	23.44	2.51	86.10	63.00	73.17%	8	4	12
R3/308	BEDROOM	W5/308	23.72	1.85	126.30	89.80	71.10%	11	3	14
R4/308	LKD	W6/308	25.57	3.04	249.00	245.50	98.59%	14	6	20
		W7/308	18.49					0	16	16
R5/308	BEDROOM	W8/308	39.33	3.28	119.00	111.80	93.95%	28	23	51
R6/308	BEDROOM	W9/308	39.25	2.77	144.80	138.40	95.58%	28	23	51
R7/308	LKD	W10/308	17.04	2.89	249.00	246.90	99.16%	2	16	18
		W11/308	24.82					11	5	16
R8/308	BEDROOM	W12/308	24.49	3.31	153.40	130.40	85.01%	N/A	N/A	N/A
		W13/308	25.15					N/A	N/A	N/A
R9/308	LD	W14/308	7.23	2.42	122.20	76.10	62.27%	N/A	N/A	N/A
		W15/308	18.01					N/A	N/A	N/A
<b>9th Floor</b>										
R1/309	LKD	W1/309	16.94	1.96	310.70	292.30	94.08%	0	0	0
		W2/309	16.96					0	0	0
		W3/309	6.76					2	1	3
R2/309	BEDROOM	W4/309	24.62	2.63	86.10	64.40	74.80%	8	4	12
R3/309	BEDROOM	W5/309	24.88	1.94	126.30	90.90	71.97%	12	3	15
R4/309	LKD	W6/309	26.62	3.08	249.00	245.50	98.59%	14	6	20
		W7/309	18.49					0	16	16
R5/309	BEDROOM	W8/309	39.32	3.28	119.00	111.80	93.95%	28	23	51
R6/309	BEDROOM	W9/309	39.26	2.77	144.80	138.40	95.58%	28	23	51
R7/309	LKD	W10/309	17.04	2.94	249.00	246.90	99.16%	2	16	18
		W11/309	26.15					11	5	16
R8/309	BEDROOM	W12/309	25.90	3.51	153.40	139.90	91.20%	N/A	N/A	N/A
		W13/309	26.57					N/A	N/A	N/A
R9/309	LD	W14/309	7.82	2.51	122.20	78.60	64.32%	N/A	N/A	N/A
		W15/309	19.16					N/A	N/A	N/A
<b>10th Floor</b>										
R1/310	LKD	W1/310	18.28	2.04	310.70	292.30	94.08%	0	0	0
		W2/310	18.35					0	0	0
		W3/310	7.04					2	1	3
R2/310	BEDROOM	W4/310	26.01	2.78	86.10	67.20	78.05%	10	4	14
R3/310	BEDROOM	W5/310	26.21	2.06	126.30	92.80	73.48%	12	3	15
R4/310	LKD	W6/310	27.44	3.09	249.00	245.50	98.59%	14	5	19
		W7/310	18.48					0	16	16
R5/310	BEDROOM	W8/310	39.19	3.28	119.00	111.80	93.95%	28	23	51
R6/310	BEDROOM	W9/310	39.13	2.77	144.80	138.40	95.58%	28	23	51

Room/Floor	Room Use	Window			Daylight Distribution			%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R7/310	LKD	W10/310	17.01	3.01	249.00	247.60	99.44%	2	16	18
		W11/310	27.68					11	5	16
R8/310	BEDROOM	W12/310	27.51	3.74	153.40	149.60	97.52%	N/A	N/A	N/A
		W13/310	28.19					N/A	N/A	N/A
R9/310	LD	W14/310	9.09	2.64	122.20	87.30	71.44%	N/A	N/A	N/A
		W15/310	20.48					N/A	N/A	N/A
<b>Block B1</b>										
<b>2nd Floor</b>										
R23/322	BEDROOM	W55/322	13.04	1.16	133.80	52.10	38.94%	N/A	N/A	N/A
R24/322	BEDROOM	W56/322	11.93	1.00	151.10	59.70	39.51%	N/A	N/A	N/A
R25/322	LD	W31/322	15.01	2.31	181.60	178.50	98.29%	12	8	20
R26/322	LD	W32/322	18.07	2.05	243.90	241.20	98.89%	16	9	25
R27/322	BEDROOM	W33/322	30.85	2.74	134.10	124.00	92.47%	30	10	40
R28/322	BEDROOM	W34/322	30.15	2.74	137.90	132.50	96.08%	23	6	29
R29/322	LD	W35/322	16.71	2.43	184.70	183.30	99.24%	15	4	19
R30/322	BEDROOM	W36/322	36.51	3.28	120.40	115.90	96.26%	33	11	44
R31/322	BEDROOM	W37/322	36.88	3.16	123.50	118.80	96.19%	33	11	44
R32/322	BEDROOM	W38/322	37.07	3.34	121.40	116.00	95.55%	33	11	44
R33/322	LKD	W29/322	37.76	5.27	292.60	291.50	99.62%	54	29	83
		W30/322	38.29					51	29	80
		W39/322	37.27					33	11	44
		W40/322	19.10					16	15	31
R34/322	LKD	W41/322	38.61	4.49	245.50	241.90	98.53%	51	29	80
		W42/322	7.99					14	11	25
R35/322	BEDROOM	W43/322	17.18	3.66	126.90	126.00	99.29%	6	19	25
R36/322	LKD	W44/322	38.44	3.88	292.70	288.10	98.43%	51	29	80
		W45/322	37.46					47	27	74
		W46/322	8.77					8	14	22
		W47/322	17.37					17	8	25
R37/322	BEDROOM	W48/322	15.58	1.27	139.30	80.00	57.43%	N/A	N/A	N/A
R38/322	BEDROOM	W49/322	14.86	1.30	128.20	74.30	57.96%	N/A	N/A	N/A
R39/322	BEDROOM	W50/322	14.38	1.44	95.10	54.90	57.73%	N/A	N/A	N/A
R40/322	LD	W51/322	2.65	0.92	164.10	39.90	24.31%	N/A	N/A	N/A
R41/322	BEDROOM	W52/322	11.18	1.07	128.60	54.70	42.53%	N/A	N/A	N/A
R42/322	BEDROOM	W53/322	11.55	1.34	99.30	51.40	51.76%	N/A	N/A	N/A
R43/322	LD	W54/322	5.02	1.25	189.60	55.00	29.01%	N/A	N/A	N/A
<b>3rd Floor</b>										
R23/323	BEDROOM	W55/323	14.50	1.25	133.80	72.10	53.89%	N/A	N/A	N/A
R24/323	BEDROOM	W56/323	15.12	1.19	151.10	75.70	50.10%	N/A	N/A	N/A
R25/323	LD	W29/323	18.44	2.54	181.60	178.50	98.29%	20	7	27
R26/323	LD	W30/323	16.82	2.00	243.90	241.20	98.89%	10	11	21
R27/323	BEDROOM	W31/323	33.99	2.93	134.10	125.30	93.44%	30	10	40
R28/323	BEDROOM	W32/323	30.08	2.70	137.90	132.50	96.08%	20	4	24
R29/323	LD	W33/323	13.99	2.17	184.70	183.20	99.19%	10	4	14
R30/323	BEDROOM	W34/323	36.17	3.08	120.40	115.90	96.26%	33	11	44
R31/323	BEDROOM	W35/323	36.43	2.97	123.50	118.80	96.19%	33	11	44
R32/323	BEDROOM	W36/323	36.56	3.14	121.40	116.00	95.55%	33	11	44
R33/323	LKD	W37/323	36.72	4.89	292.60	291.10	99.49%	33	11	44
		W38/323	15.82					11	13	24
		W39/323	37.11					51	29	80
		W40/323	37.84					51	29	80
R34/323	LKD	W41/323	37.77	4.11	245.50	242.30	98.70%	51	29	80
		W42/323	6.52					5	11	16
R35/323	BEDROOM	W43/323	14.53	3.27	126.90	126.00	99.29%	0	19	19
R36/323	LKD	W44/323	37.92	3.62	292.70	287.10	98.09%	51	29	80
		W45/323	36.82					46	27	73
		W46/323	7.39					4	14	18
		W47/323	17.28					17	8	25
R37/323	BEDROOM	W48/323	15.76	1.17	139.40	82.70	59.33%	N/A	N/A	N/A
R38/323	BEDROOM	W49/323	15.13	1.17	128.20	87.60	68.33%	N/A	N/A	N/A
R39/323	BEDROOM	W50/323	15.27	1.41	95.10	69.30	72.87%	N/A	N/A	N/A
R40/323	LD	W51/323	2.39	0.80	164.10	51.80	31.57%	N/A	N/A	N/A
R41/323	BEDROOM	W52/323	12.83	1.21	128.60	76.30	59.33%	N/A	N/A	N/A
R42/323	BEDROOM	W53/323	13.72	1.55	99.30	69.40	69.89%	N/A	N/A	N/A
R43/323	LD	W54/323	5.68	1.22	189.60	85.20	44.94%	N/A	N/A	N/A

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>4th Floor</b>											
R23/324	BEDROOM	W55/324	18.13	1.35	133.80	100.90	75.41%	N/A	N/A	N/A	
R24/324	BEDROOM	W56/324	17.95	1.31	151.10	97.50	64.53%	N/A	N/A	N/A	
R25/324	LKD	W29/324	37.07	4.41	181.60	178.50	98.29%	33	14	47	
R26/324	LKD	W30/324	37.23	3.58	243.90	241.20	98.89%	33	14	47	
R27/324	BEDROOM	W31/324	36.65	3.03	134.20	125.50	93.52%	31	10	41	
R28/324	BEDROOM	W32/324	31.96	2.81	137.90	132.50	96.08%	23	6	29	
R29/324	LKD	W33/324	18.02	2.57	184.70	183.30	99.24%	16	4	20	
R30/324	BEDROOM	W34/324	37.64	3.34	120.40	115.90	96.26%	33	11	44	
R31/324	BEDROOM	W35/324	37.90	3.22	123.50	118.80	96.19%	33	11	44	
R32/324	BEDROOM	W36/324	37.99	3.40	121.40	116.00	95.55%	33	11	44	
R33/324	LKD	W37/324	38.09	5.34	292.60	291.50	99.62%	33	11	44	
		W38/324	19.41					16	15	31	
		W39/324	38.22					54	30	84	
		W40/324	38.77					51	30	81	
R34/324	LKD	W41/324	39.07	4.54	245.50	241.90	98.53%	51	30	81	
		W42/324	8.21					14	12	26	
R35/324	BEDROOM	W43/324	17.47	3.70	126.90	126.00	99.29%	6	19	25	
R36/324	BEDROOM	W44/324	38.91	4.03	292.70	289.60	98.94%	51	30	81	
		W45/324	37.95					47	28	75	
		W46/324	9.22					8	15	23	
		W47/324	19.42					17	9	26	
R37/324	BEDROOM	W48/324	17.70	1.47	139.40	87.10	62.48%	N/A	N/A	N/A	
R38/324	BEDROOM	W49/324	17.10	1.55	128.20	95.20	74.26%	N/A	N/A	N/A	
R39/324	BEDROOM	W50/324	17.00	1.79	95.10	76.70	80.65%	N/A	N/A	N/A	
R40/324	LKD	W51/324	3.93	1.07	164.10	136.40	83.12%	N/A	N/A	N/A	
R41/324	BEDROOM	W52/324	14.57	1.35	128.60	91.60	71.23%	N/A	N/A	N/A	
R42/324	BEDROOM	W53/324	17.07	1.70	99.30	80.90	81.47%	N/A	N/A	N/A	
R43/324	LKD	W54/324	17.95	2.31	189.60	159.40	84.07%	N/A	N/A	N/A	
<b>5th Floor</b>											
R13/325	LKD	W24/325	22.42	3.02	287.60	287.30	99.90%	5	0	5	
		W25/325	23.12					5	0	5	
		W26/325	15.06					11	4	15	
R14/325	BEDROOM	W27/325	36.97	3.11	120.40	115.90	96.26%	33	11	44	
R15/325	BEDROOM	W28/325	37.11	3.00	123.50	118.80	96.19%	33	11	44	
R16/325	BEDROOM	W29/325	37.16	3.16	121.40	116.00	95.55%	33	11	44	
R17/325	LKD	W30/325	37.22	4.88	292.60	291.50	99.62%	33	11	44	
		W31/325	15.94					11	13	24	
		W32/325	37.20					51	30	81	
		W33/325	37.74					51	30	81	
R18/325	LKD	W34/325	37.91	4.14	245.50	242.30	98.70%	51	30	81	
		W35/325	6.71					5	12	17	
R19/325	BEDROOM	W36/325	14.53	3.27	126.90	126.00	99.29%	0	19	19	
R20/325	LKD	W37/325	38.11	3.74	292.70	289.00	98.74%	51	30	81	
		W38/325	37.01					46	28	74	
		W39/325	7.83					4	15	19	
		W40/325	19.65					17	9	26	
R21/325	BEDROOM	W41/325	17.96	1.36	139.30	91.30	65.54%	N/A	N/A	N/A	
R22/325	BEDROOM	W42/325	17.40	1.43	128.20	95.10	74.18%	N/A	N/A	N/A	
R23/325	BEDROOM	W43/325	18.16	1.78	95.10	77.20	81.18%	N/A	N/A	N/A	
R24/325	LKD	W44/325	3.57	2.17	164.10	159.50	97.20%	N/A	N/A	N/A	
		W45/325	21.07					N/A	N/A	N/A	
<b>6th Floor</b>											
R13/326	LKD	W26/326	26.57	4.55	288.30	288.10	99.93%	5	0	5	
		W27/326	27.27					5	0	5	
		W28/326	27.65					6	0	6	
		W29/326	18.82					16	4	20	
R14/326	BEDROOM	W30/326	38.31	3.39	119.20	115.80	97.15%	33	11	44	
R15/326	BEDROOM	W31/326	38.47	3.24	123.50	118.80	96.19%	33	11	44	
R16/326	BEDROOM	W32/326	38.48	3.42	121.40	116.00	95.55%	33	11	44	
R17/326	LKD	W33/326	38.50	5.42	292.60	291.50	99.62%	33	11	44	
		W34/326	19.41					16	15	31	
		W35/326	38.33					54	30	84	
		W36/326	39.21					51	30	81	

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R18/326	LKD	W37/326	39.24	4.60	245.50	242.30	98.70%	51	30	81
		W38/326	8.90					14	12	26
R19/326	BEDROOM	W39/326	17.82	3.75	126.90	126.00	99.29%	6	19	25
R20/326	LKD	W40/326	39.20	4.19	294.20	292.10	99.29%	51	30	81
		W41/326	38.16					47	28	75
		W42/326	9.55					8	15	23
		W43/326	22.34					17	9	26
R21/326	BEDROOM	W44/326	20.71	1.72	139.30	94.80	68.05%	N/A	N/A	N/A
R22/326	BEDROOM	W45/326	20.13	1.84	125.00	88.30	70.64%	N/A	N/A	N/A
R23/326	BEDROOM	W46/326	20.77	1.95	119.20	89.30	74.92%	N/A	N/A	N/A
R24/326	LKD	W47/326	5.07	3.58	288.40	288.40	100.00%	N/A	N/A	N/A
		W48/326	25.21					N/A	N/A	N/A
		W49/326	25.05					N/A	N/A	N/A
		W50/326	25.97					N/A	N/A	N/A
<b>7th Floor</b>										
R13/327	LKD	W26/327	27.28	4.62	288.30	288.10	99.93%	5	0	5
		W27/327	28.00					5	0	5
		W28/327	28.39					6	0	6
		W29/327	18.97					16	4	20
R14/327	BEDROOM	W30/327	38.41	3.39	119.20	115.80	97.15%	33	11	44
R15/327	BEDROOM	W31/327	38.55	3.34	125.00	121.10	96.88%	33	11	44
R16/327	BEDROOM	W32/327	38.56	3.42	121.40	116.00	95.55%	33	11	44
R17/327	LKD	W33/327	38.56	5.34	292.60	291.50	99.62%	33	11	44
		W34/327	19.41					16	15	31
		W35/327	38.30					54	30	84
		W36/327	38.90					51	30	81
R18/327	LKD	W37/327	39.20	4.57	245.50	241.90	98.53%	51	30	81
W38/327	8.93	14	12					26		
R19/327	BEDROOM	W39/327	17.82	3.75	126.90	126.00	99.29%	6	19	25
R20/327	LKD	W40/327	39.09	4.26	294.20	292.60	99.46%	51	30	81
		W41/327	38.14					48	28	76
		W42/327	9.75					8	15	23
		W43/327	24.01					17	9	26
R21/327	BEDROOM	W44/327	22.49	1.87	139.30	97.00	69.63%	N/A	N/A	N/A
R22/327	BEDROOM	W45/327	21.91	2.00	125.00	90.00	72.00%	N/A	N/A	N/A
R23/327	BEDROOM	W46/327	21.43	1.90	119.20	91.00	76.34%	N/A	N/A	N/A
R24/327	LKD	W47/327	5.59	3.68	288.40	288.40	100.00%	N/A	N/A	N/A
		W48/327	25.91					N/A	N/A	N/A
		W49/327	25.75					N/A	N/A	N/A
		W50/327	26.67					N/A	N/A	N/A
<b>8th Floor</b>										
R13/328	LKD	W26/328	26.81	4.20	288.30	288.10	99.93%	5	0	5
		W27/328	27.54					5	0	5
		W28/328	27.85					5	0	5
		W29/328	15.62					11	4	15
R14/328	BEDROOM	W30/328	37.45	3.15	119.20	115.80	97.15%	33	11	44
R15/328	BEDROOM	W31/328	37.53	3.10	125.00	121.10	96.88%	33	11	44
R16/328	BEDROOM	W32/328	37.53	3.18	121.40	116.00	95.55%	33	11	44
R17/328	LKD	W33/328	37.53	4.88	292.60	291.50	99.62%	33	11	44
		W34/328	15.94					11	13	24
		W35/328	37.23					51	30	81
		W36/328	37.80					51	30	81
R18/328	LKD	W37/328	37.98	4.16	245.50	242.30	98.70%	51	30	81
W38/328	6.86	7	12					19		
R19/328	BEDROOM	W39/328	14.53	3.27	126.90	126.00	99.29%	0	19	19
R20/328	LKD	W40/328	38.19	4.00	294.20	292.60	99.46%	51	30	81
		W41/328	37.10					46	28	74
		W42/328	8.59					4	15	19
		W43/328	24.88					18	9	27
R21/328	BEDROOM	W44/328	23.49	1.82	139.30	101.00	72.51%	N/A	N/A	N/A
R22/328	BEDROOM	W45/328	22.91	1.95	125.00	93.80	75.04%	N/A	N/A	N/A
R23/328	BEDROOM	W46/328	22.01	1.87	119.20	95.10	79.78%	N/A	N/A	N/A
R24/328	LKD	W47/328	5.02	3.39	288.40	288.40	100.00%	N/A	N/A	N/A
		W48/328	25.31					N/A	N/A	N/A
		W49/328	25.34					N/A	N/A	N/A
		W50/328	26.21					N/A	N/A	N/A

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>9th Floor</b>										
R13/329	LKD	W26/329	28.72	4.72	288.30	288.10	99.93%	5	0	5
		W27/329	29.36					5	0	5
		W28/329	29.69					6	0	6
		W29/329	19.05					16	4	20
R14/329	BEDROOM	W30/329	38.52	3.39	119.20	115.80	97.15%	33	11	44
R15/329	BEDROOM	W31/329	38.66	3.25	123.50	118.80	96.19%	33	11	44
R16/329	BEDROOM	W32/329	38.66	3.43	121.40	116.00	95.55%	33	11	44
R17/329	LKD	W33/329	38.66	5.35	292.60	291.50	99.62%	33	11	44
		W34/329	19.41					16	15	31
		W35/329	38.34					54	30	84
		W36/329	38.94					51	30	81
R18/329	LKD	W37/329	39.26	4.59	245.50	242.30	98.70%	51	30	81
		W38/329	8.75					14	12	26
R19/329	BEDROOM	W39/329	17.82	3.75	126.90	126.00	99.29%	6	19	25
R20/329	LKD	W40/329	39.12	4.51	294.20	292.70	99.49%	51	30	81
		W41/329	38.20					48	28	76
		W42/329	12.93					10	15	25
		W43/329	28.37					21	9	30
R21/329	BEDROOM	W44/329	27.14	2.22	139.30	114.50	82.20%	N/A	N/A	N/A
R22/329	BEDROOM	W45/329	26.51	2.39	125.00	107.80	86.24%	N/A	N/A	N/A
R23/329	BEDROOM	W46/329	26.31	2.39	119.20	105.30	88.34%	N/A	N/A	N/A
R24/329	LKD	W47/329	8.23	3.89	288.40	288.40	100.00%	N/A	N/A	N/A
		W48/329	27.55					N/A	N/A	N/A
		W49/329	27.32					N/A	N/A	N/A
		W50/329	28.15					N/A	N/A	N/A
<b>10th Floor</b>										
R13/330	LKD	W26/330	29.45	4.77	288.30	288.10	99.93%	5	0	5
		W27/330	30.05					5	0	5
		W28/330	30.32					6	0	6
		W29/330	19.06					16	4	20
R14/330	BEDROOM	W30/330	38.49	3.39	119.20	115.80	97.15%	33	11	44
R15/330	BEDROOM	W31/330	38.62	3.35	125.00	121.10	96.88%	33	11	44
R16/330	BEDROOM	W32/330	38.62	3.43	121.40	116.00	95.55%	33	11	44
R17/330	LKD	W33/330	38.62	5.35	292.60	291.50	99.62%	33	11	44
		W34/330	19.41					16	15	31
		W35/330	38.30					54	30	84
		W36/330	38.90					51	30	81
R18/330	LKD	W37/330	39.20	4.59	245.50	242.30	98.70%	51	30	81
		W38/330	8.75					14	12	26
R19/330	BEDROOM	W39/330	18.00	3.75	126.90	126.00	99.29%	6	19	25
R20/330	LKD	W40/330	39.09	4.72	294.20	293.00	99.59%	51	30	81
		W41/330	38.16					48	28	76
		W42/330	14.44					12	15	27
		W43/330	30.67					22	9	31
R21/330	BEDROOM	W44/330	29.61	2.40	139.30	131.90	94.69%	N/A	N/A	N/A
R22/330	BEDROOM	W45/330	28.96	2.59	125.00	121.50	97.20%	N/A	N/A	N/A
R23/330	BEDROOM	W46/330	28.52	2.58	119.20	113.00	94.80%	N/A	N/A	N/A
R24/330	LKD	W47/330	9.54	4.07	288.40	288.40	100.00%	N/A	N/A	N/A
		W48/330	28.41					N/A	N/A	N/A
		W49/330	28.15					N/A	N/A	N/A
		W50/330	28.92					N/A	N/A	N/A
<b>11th Floor</b>										
R13/331	LKD	W27/331	29.17	4.36	288.30	288.10	99.93%	5	0	5
		W28/331	29.76					5	0	5
		W29/331	29.93					5	0	5
		W30/331	15.62					11	4	15
R14/331	BEDROOM	W31/331	37.48	3.15	119.20	115.80	97.15%	33	11	44
R15/331	BEDROOM	W32/331	37.56	3.10	125.00	121.10	96.88%	33	11	44
R16/331	BEDROOM	W33/331	37.55	3.18	121.40	116.00	95.55%	33	11	44
R17/331	LKD	W34/331	37.55	4.88	292.60	291.50	99.62%	33	11	44
		W35/331	15.94					11	13	24
		W36/331	37.23					51	30	81
		W37/331	37.80					51	30	81
R18/331	LKD	W38/331	37.98	4.16	245.50	242.30	98.70%	51	30	81
		W39/331	6.86					7	12	19



Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total	
R19/331	BEDROOM	W40/331	14.67	3.28	126.90	126.00	99.29%	0	19	19	
R20/331	LKD	W41/331	38.19	4.47	294.20	293.00	99.59%	51	30	81	
		W42/331	37.11					46	28	74	
		W43/331	12.86					8	15	23	
		W44/331	31.46					25	9	34	
R21/331	BEDROOM	W45/331	30.58	2.34	139.30	132.40	95.05%	N/A	N/A	N/A	
R22/331	BEDROOM	W46/331	29.97	2.52	125.00	121.50	97.20%	N/A	N/A	N/A	
R23/331	BEDROOM	W47/331	29.34	2.50	119.20	113.90	95.55%	N/A	N/A	N/A	
R24/331	LKD	W48/331	8.65	3.82	288.40	288.40	100.00%	N/A	N/A	N/A	
		W49/331	28.10					N/A	N/A	N/A	
		W50/331	28.00					N/A	N/A	N/A	
		W51/331	28.69					N/A	N/A	N/A	
<b>12th Floor</b>											
R13/332	LKD	W27/332	31.30	4.89	288.30	288.10	99.93%	5	0	5	
		W28/332	31.77					5	0	5	
		W29/332	31.92					6	0	6	
		W30/332	19.07					16	4	20	
R14/332	BEDROOM	W31/332	38.52	3.39	119.20	115.80	97.15%	33	11	44	
R15/332	BEDROOM	W32/332	38.66	3.25	123.50	118.80	96.19%	33	11	44	
R16/332	BEDROOM	W33/332	38.66	3.43	121.40	116.00	95.55%	33	11	44	
R17/332	LKD	W34/332	38.66	5.35	292.60	291.50	99.62%	33	11	44	
		W35/332	19.41					16	15	31	
		W36/332	38.34					54	30	84	
		W37/332	38.94					51	30	81	
R18/332	LKD	W38/332	39.26	4.59	245.50	242.30	98.70%	51	30	81	
		W39/332	8.75					14	12	26	
R19/332	BEDROOM	W40/332	18.00	3.75	126.90	126.00	99.29%	6	19	25	
R20/332	LKD	W41/332	39.12	5.00	294.20	293.00	99.59%	51	30	81	
		W42/332	38.21					48	28	76	
		W43/332	16.53					15	15	30	
		W44/332	34.32					26	9	35	
R21/332	BEDROOM	W45/332	33.72	2.69	139.30	132.90	95.41%	N/A	N/A	N/A	
R22/332	BEDROOM	W46/332	33.18	2.91	125.00	121.50	97.20%	N/A	N/A	N/A	
R23/332	BEDROOM	W47/332	32.33	2.88	119.20	115.70	97.06%	N/A	N/A	N/A	
R24/332	LKD	W48/332	12.04	4.40	288.40	288.40	100.00%	N/A	N/A	N/A	
		W49/332	30.65					N/A	N/A	N/A	
		W50/332	30.28					N/A	N/A	N/A	
		W51/332	30.87					N/A	N/A	N/A	
<b>13th Floor</b>											
R13/333	LKD	W27/333	32.28	4.96	288.30	288.10	99.93%	5	0	5	
		W28/333	32.68					5	0	5	
		W29/333	32.74					6	0	6	
		W30/333	19.07					16	4	20	
R14/333	BEDROOM	W31/333	38.49	3.39	119.20	115.80	97.15%	33	11	44	
R15/333	BEDROOM	W32/333	38.62	3.35	125.00	121.10	96.88%	33	11	44	
R16/333	BEDROOM	W33/333	38.62	3.43	121.40	116.00	95.55%	33	11	44	
R17/333	LKD	W34/333	38.62	5.35	292.60	291.50	99.62%	33	11	44	
		W35/333	19.41					16	15	31	
		W36/333	38.30					54	30	84	
		W37/333	38.90					51	30	81	
R18/333	LKD	W38/333	39.20	4.59	245.50	242.30	98.70%	51	30	81	
		W39/333	8.75					14	12	26	
R19/333	BEDROOM	W40/333	18.00	3.75	126.90	126.00	99.29%	6	19	25	
R20/333	LKD	W41/333	39.09	5.07	294.20	293.00	99.59%	51	30	81	
		W42/333	38.16					48	28	76	
		W43/333	17.05					15	15	30	
		W44/333	35.24					26	9	35	
R21/333	BEDROOM	W45/333	34.73	2.76	139.30	133.10	95.55%	N/A	N/A	N/A	
R22/333	BEDROOM	W46/333	34.27	3.00	125.00	121.50	97.20%	N/A	N/A	N/A	
R23/333	BEDROOM	W47/333	33.50	2.97	119.20	115.70	97.06%	N/A	N/A	N/A	
R24/333	LKD	W48/333	13.13	4.53	288.40	288.40	100.00%	N/A	N/A	N/A	
		W49/333	31.85					N/A	N/A	N/A	
		W50/333	31.44					N/A	N/A	N/A	
		W51/333	31.92					N/A	N/A	N/A	

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>14th Floor</b>										
R13/334	LKD	W27/334	32.22	4.58	288.30	288.10	99.93%	5	0	5
		W28/334	32.58					5	0	5
		W29/334	32.52					5	0	5
		W30/334	15.67					11	4	15
R14/334	BEDROOM	W31/334	37.48	3.15	119.20	115.80	97.15%	33	11	44
R15/334	BEDROOM	W32/334	37.56	3.10	125.00	121.10	96.88%	33	11	44
R16/334	BEDROOM	W33/334	37.55	3.18	121.40	116.00	95.55%	33	11	44
R17/334	LKD	W34/334	37.55	4.88	292.60	291.50	99.62%	33	11	44
		W35/334	15.94					11	13	24
		W36/334	37.23					51	30	81
		W37/334	37.80					51	30	81
R18/334	LKD	W38/334	37.98	4.16	245.50	242.30	98.70%	51	30	81
		W39/334	6.86					7	12	19
R19/334	BEDROOM	W40/334	14.67	3.28	126.90	126.00	99.29%	0	19	19
R20/334	LKD	W41/334	38.19	4.74	294.20	293.00	99.59%	51	30	81
		W42/334	37.12					47	28	75
		W43/334	14.82					11	15	26
		W44/334	34.94					27	9	36
R21/334	BEDROOM	W45/334	34.54	2.61	139.30	133.10	95.55%	N/A	N/A	N/A
R22/334	BEDROOM	W46/334	34.19	2.84	125.00	121.50	97.20%	N/A	N/A	N/A
R23/334	BEDROOM	W47/334	33.57	2.83	119.20	115.70	97.06%	N/A	N/A	N/A
R24/334	LKD	W48/334	11.58	4.25	288.40	288.40	100.00%	N/A	N/A	N/A
		W49/334	31.85					N/A	N/A	N/A
		W50/334	31.58					N/A	N/A	N/A
		W51/334	31.94					N/A	N/A	N/A
<b>15th Floor</b>										
R13/335	LKD	W27/335	34.32	5.80	288.30	288.10	99.93%	5	0	5
		W28/335	34.55					5	0	5
		W29/335	34.43					6	0	6
		W30/335	29.31					23	4	27
R14/335	BEDROOM	W31/335	38.35	3.39	119.20	115.80	97.15%	33	11	44
R15/335	BEDROOM	W32/335	38.46	3.25	123.50	118.80	96.19%	33	11	44
R16/335	BEDROOM	W33/335	38.46	3.43	121.40	116.00	95.55%	33	11	44
R17/335	LKD	W34/335	38.46	6.01	292.60	291.50	99.62%	33	11	44
		W35/335	29.71					31	15	46
		W36/335	38.13					54	30	84
		W37/335	38.74					51	30	81
R18/335	LKD	W38/335	39.01	4.78	245.50	245.30	99.92%	51	30	81
		W39/335	13.04					18	12	30
R19/335	BEDROOM	W40/335	23.63	4.73	126.90	126.30	99.53%	16	19	35
R20/335	LKD	W41/335	38.96	5.87	294.20	293.00	99.59%	51	30	81
		W42/335	38.00					49	28	77
		W43/335	29.01					27	15	42
		W44/335	36.67					27	9	36
R21/335	BEDROOM	W45/335	36.38	2.88	139.30	133.10	95.55%	N/A	N/A	N/A
R22/335	BEDROOM	W46/335	36.12	3.15	125.00	121.50	97.20%	N/A	N/A	N/A
R23/335	BEDROOM	W47/335	35.61	3.15	119.20	115.70	97.06%	N/A	N/A	N/A
R24/335	LKD	W48/335	26.47	5.60	288.40	288.40	100.00%	N/A	N/A	N/A
		W49/335	34.37					N/A	N/A	N/A
		W50/335	33.89					N/A	N/A	N/A
		W51/335	34.12					N/A	N/A	N/A
<b>Block B2</b>										
<b>1st Floor</b>										
R1/321	LKD	W1/321	13.61	2.16	288.40	288.40	100.00%	0	0	0
		W2/321	13.58					0	0	0
		W3/321	16.33					5	0	5
		W4/321	5.93					7	0	7
R2/321	BEDROOM	W5/321	16.45	1.04	119.20	70.90	59.48%	8	4	12
R3/321	BEDROOM	W6/321	14.99	0.81	125.00	49.10	39.28%	8	6	14
R4/321	BEDROOM	W7/321	17.81	1.00	129.80	77.20	59.48%	18	10	28
R5/321	LD	W8/321	5.60	1.37	176.20	139.00	78.89%	4	12	16
R6/321	BEDROOM	W9/321	20.67	1.31	138.00	89.30	64.71%	27	13	40
R7/321	BEDROOM	W10/321	23.47	1.39	133.60	96.10	71.93%	24	9	33
R8/321	LD	W11/321	11.20	1.61	236.80	200.20	84.54%	6	14	20
R9/321	BEDROOM	W12/321	30.13	1.52	152.20	148.10	97.31%	30	11	41

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R10/321	BEDROOM	W13/321	26.69	1.70	123.60	116.50	94.26%	23	5	28	
R11/321	LD	W14/321	5.48	1.35	175.40	89.30	50.91%	N/A	N/A	N/A	
R12/321	LD	W15/321	5.97	1.20	215.80	120.80	55.98%	N/A	N/A	N/A	
R13/321	BEDROOM	W16/321	15.99	1.95	116.80	80.70	69.09%	N/A	N/A	N/A	
R14/321	BEDROOM	W17/321	18.52	2.14	116.80	69.20	59.25%	N/A	N/A	N/A	
R15/321	LD	W18/321	7.11	1.26	223.40	160.80	71.98%	N/A	N/A	N/A	
R16/321	LD	W19/321	7.09	1.35	192.90	105.00	54.43%	N/A	N/A	N/A	
R17/321	BEDROOM	W20/321	22.11	2.03	136.10	83.50	61.35%	N/A	N/A	N/A	
R18/321	BEDROOM	W21/321	23.23	2.10	136.60	107.00	78.33%	N/A	N/A	N/A	
R19/321	BEDROOM	W22/321	24.11	2.38	125.00	106.10	84.88%	N/A	N/A	N/A	
R20/321	BEDROOM	W23/321	25.19	2.54	119.20	110.80	92.95%	N/A	N/A	N/A	
R21/321	LKD	W24/321	9.11	2.74	288.40	287.10	99.55%	N/A	N/A	N/A	
		W25/321	19.71					N/A	N/A	N/A	
		W26/321	16.08					N/A	N/A	N/A	
		W27/321	14.65					N/A	N/A	N/A	
<b>2nd Floor</b>											
R1/322	LKD	W1/322	17.35	2.75	288.40	288.40	100.00%	6	0	6	
		W2/322	15.87					2	0	2	
		W3/322	17.86					5	0	5	
		W4/322	7.91					8	0	8	
R2/322	BEDROOM	W5/322	20.52	1.83	121.30	77.10	63.56%	13	8	21	
R3/322	BEDROOM	W6/322	20.28	1.83	122.90	58.80	47.84%	12	10	22	
R4/322	BEDROOM	W7/322	22.20	1.71	148.10	86.50	58.41%	19	12	31	
R5/322	BEDROOM	W8/322	21.38	1.82	126.00	82.30	65.32%	19	9	28	
R6/322	LD	W9/322	6.83	1.31	221.40	197.00	88.98%	6	10	16	
R7/322	BEDROOM	W10/322	22.06	2.11	138.00	94.50	68.48%	29	12	41	
R8/322	BEDROOM	W11/322	24.52	2.26	133.60	101.70	76.12%	23	8	31	
R9/322	LD	W12/322	14.71	1.84	236.70	212.40	89.73%	12	14	26	
R10/322	BEDROOM	W13/322	32.24	2.48	152.20	150.00	98.55%	32	10	42	
R11/322	BEDROOM	W14/322	30.84	2.95	123.60	119.80	96.93%	29	7	36	
R12/322	LD	W15/322	5.34	1.32	170.20	88.90	52.23%	N/A	N/A	N/A	
R13/322	LD	W16/322	6.20	1.27	215.80	120.50	55.84%	N/A	N/A	N/A	
R14/322	BEDROOM	W17/322	18.25	2.02	116.80	83.40	71.40%	N/A	N/A	N/A	
R15/322	BEDROOM	W18/322	18.66	2.08	116.80	70.50	60.36%	N/A	N/A	N/A	
R16/322	LD	W19/322	9.18	1.47	221.60	160.20	72.29%	N/A	N/A	N/A	
R17/322	LD	W20/322	8.22	1.51	192.90	106.00	54.95%	N/A	N/A	N/A	
R18/322	BEDROOM	W21/322	24.83	2.25	136.10	86.90	63.85%	N/A	N/A	N/A	
R19/322	BEDROOM	W22/322	27.04	2.33	136.60	113.10	82.80%	N/A	N/A	N/A	
R20/322	BEDROOM	W23/322	27.97	2.64	125.00	110.20	88.16%	N/A	N/A	N/A	
R21/322	BEDROOM	W24/322	27.64	2.68	119.20	112.40	94.30%	N/A	N/A	N/A	
R22/322	LKD	W25/322	11.96	3.22	288.40	288.40	100.00%	N/A	N/A	N/A	
		W26/322	21.53					N/A	N/A	N/A	
		W27/322	18.35					N/A	N/A	N/A	
		W28/322	18.22					N/A	N/A	N/A	
<b>3rd Floor</b>											
R1/323	LKD	W1/323	16.63	2.59	288.40	288.20	99.93%	6	0	6	
		W2/323	15.40					2	0	2	
		W3/323	17.42					5	0	5	
		W4/323	7.33					8	0	8	
R2/323	BEDROOM	W5/323	21.84	1.93	119.20	79.40	66.61%	15	8	23	
R3/323	BEDROOM	W6/323	21.28	1.85	125.00	62.60	50.08%	12	10	22	
R4/323	BEDROOM	W7/323	21.97	1.54	148.10	87.80	59.28%	18	12	30	
R5/323	BEDROOM	W8/323	22.36	1.86	126.00	86.30	68.49%	19	9	28	
R6/323	LD	W9/323	6.55	1.25	221.40	205.10	92.64%	5	11	16	
R7/323	BEDROOM	W10/323	23.12	2.19	138.00	100.70	72.97%	30	14	44	
R8/323	BEDROOM	W11/323	27.89	2.45	133.60	110.30	82.56%	30	9	39	
R9/323	LD	W12/323	13.61	1.79	236.70	221.90	93.75%	6	15	21	
R10/323	BEDROOM	W13/323	34.21	2.57	152.20	150.00	98.55%	34	13	47	
R11/323	BEDROOM	W14/323	31.41	2.90	123.60	119.80	96.93%	21	8	29	
R12/323	LD	W15/323	6.18	1.47	170.20	89.60	52.64%	N/A	N/A	N/A	
R13/323	LD	W16/323	6.93	1.30	215.80	121.30	56.21%	N/A	N/A	N/A	
R14/323	BEDROOM	W17/323	17.72	2.00	116.80	83.00	71.06%	N/A	N/A	N/A	
R15/323	BEDROOM	W18/323	21.06	2.22	116.80	76.10	65.15%	N/A	N/A	N/A	
R16/323	LD	W19/323	8.10	1.33	221.60	162.00	73.10%	N/A	N/A	N/A	
R17/323	LD	W20/323	7.90	1.44	192.90	105.80	54.85%	N/A	N/A	N/A	
R18/323	BEDROOM	W21/323	24.44	2.19	136.10	88.10	64.73%	N/A	N/A	N/A	

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R19/323	BEDROOM	W22/323	26.48	2.26	136.60	114.40	83.75%	N/A	N/A	N/A	
R20/323	BEDROOM	W23/323	27.42	2.56	125.00	111.90	89.52%	N/A	N/A	N/A	
R21/323	BEDROOM	W24/323	27.28	2.62	119.20	112.00	93.96%	N/A	N/A	N/A	
R22/323	LKD	W25/323	11.16	3.09	288.40	288.40	100.00%	N/A	N/A	N/A	
		W26/323	21.05					N/A	N/A	N/A	
		W27/323	17.93					N/A	N/A	N/A	
		W28/323	17.53					N/A	N/A	N/A	
<b>4th Floor</b>											
R1/324	LKD	W1/324	18.08	2.82	288.40	288.20	99.93%	6	0	6	
		W2/324	16.57					2	0	2	
		W3/324	18.72					5	0	5	
		W4/324	9.29					11	0	11	
R2/324	BEDROOM	W5/324	25.44	2.33	119.20	87.60	73.49%	22	8	30	
R3/324	BEDROOM	W6/324	25.17	2.26	125.00	69.90	55.92%	17	10	27	
R4/324	BEDROOM	W7/324	26.43	2.05	148.10	94.00	63.47%	19	12	31	
R5/324	BEDROOM	W8/324	25.64	2.22	126.00	97.10	77.06%	19	9	28	
R6/324	LKD	W9/324	8.40	1.42	221.40	215.20	97.20%	11	11	22	
R7/324	BEDROOM	W10/324	24.47	2.28	138.00	114.10	82.68%	30	15	45	
R8/324	BEDROOM	W11/324	31.13	2.63	133.60	122.80	91.92%	30	15	45	
R9/324	LKD	W12/324	34.17	3.41	236.70	233.50	98.65%	32	15	47	
R10/324	BEDROOM	W13/324	36.08	2.65	152.20	150.00	98.55%	34	15	49	
R11/324	BEDROOM	W14/324	36.58	3.20	123.60	119.80	96.93%	34	15	49	
R12/324	LKD	W15/324	18.33	2.40	170.20	105.80	62.16%	N/A	N/A	N/A	
R13/324	LKD	W16/324	19.45	2.19	215.80	141.50	65.57%	N/A	N/A	N/A	
R14/324	BEDROOM	W17/324	21.55	2.08	116.80	85.70	73.37%	N/A	N/A	N/A	
R15/324	BEDROOM	W18/324	22.69	2.25	116.80	79.90	68.41%	N/A	N/A	N/A	
R16/324	LKD	W19/324	19.94	2.35	221.60	179.30	80.91%	N/A	N/A	N/A	
R17/324	LKD	W20/324	8.35	1.51	192.90	106.30	55.11%	N/A	N/A	N/A	
R18/324	BEDROOM	W21/324	25.62	2.28	136.10	89.60	65.83%	N/A	N/A	N/A	
R19/324	BEDROOM	W22/324	27.94	2.36	136.60	118.00	86.38%	N/A	N/A	N/A	
R20/324	BEDROOM	W23/324	28.88	2.68	125.00	114.10	91.28%	N/A	N/A	N/A	
R21/324	BEDROOM	W24/324	28.49	2.72	119.20	112.70	94.55%	N/A	N/A	N/A	
R22/324	LKD	W25/324	12.42	3.28	288.40	288.40	100.00%	N/A	N/A	N/A	
		W26/324	22.33					N/A	N/A	N/A	
		W27/324	19.12					N/A	N/A	N/A	
		W28/324	18.96					N/A	N/A	N/A	
<b>5th Floor</b>											
R1/325	LKD	W1/325	17.36	2.83	288.40	288.20	99.93%	7	0	7	
		W2/325	16.10					2	0	2	
		W3/325	18.17					5	0	5	
		W4/325	10.80					13	1	14	
R2/325	BEDROOM	W5/325	28.46	2.56	119.20	110.60	92.79%	30	8	38	
R3/325	BEDROOM	W6/325	28.35	2.50	125.00	103.00	82.40%	25	10	35	
R4/325	BEDROOM	W7/325	29.11	2.23	148.10	121.30	81.90%	25	12	37	
R5/325	BEDROOM	W8/325	28.39	2.42	126.00	116.30	92.30%	21	9	30	
R6/325	LKD	W9/325	10.32	3.30	338.00	335.50	99.26%	11	11	22	
		W10/325	26.29					42	18	60	
		W11/325	24.70					35	15	50	
		W12/325	24.59					40	16	56	
R7/325	LKD	W13/325	22.07	2.83	192.90	169.70	87.97%	31	14	45	
		W14/325	22.67					36	14	50	
		W15/325	9.94					8	7	15	
R8/325	BEDROOM	W16/325	25.31	2.23	136.10	92.20	67.74%	N/A	N/A	N/A	
R9/325	BEDROOM	W17/325	28.08	2.37	136.60	120.00	87.85%	N/A	N/A	N/A	
R10/325	BEDROOM	W18/325	28.43	2.62	125.00	117.00	93.60%	N/A	N/A	N/A	
R11/325	BEDROOM	W19/325	28.22	2.66	119.20	112.70	94.55%	N/A	N/A	N/A	
R12/325	LKD	W20/325	12.40	3.22	288.40	288.40	100.00%	N/A	N/A	N/A	
		W21/325	21.69					N/A	N/A	N/A	
		W22/325	18.60					N/A	N/A	N/A	
		W23/325	18.22					N/A	N/A	N/A	

Room/Floor	Room Use	Window	%VSC	%ADF	Daylight Distribution			%Sun		
					Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>6th Floor</b>										
R1/326	LKD	W1/326	18.86	3.10	288.40	288.00	99.86%	7	0	7
		W2/326	17.34					3	0	3
		W3/326	19.51					6	0	6
		W4/326	13.62					15	2	17
R2/326	BEDROOM	W5/326	33.69	3.04	119.20	115.30	96.73%	35	12	47
R3/326	BEDROOM	W6/326	34.48	3.03	125.00	121.70	97.36%	35	12	47
R4/326	BEDROOM	W7/326	34.90	3.12	121.40	116.20	95.72%	33	12	45
R5/326	LKD	W8/326	33.65	4.24	295.70	292.60	98.95%	29	9	38
		W9/326	13.84					15	12	27
		W10/326	29.06					45	19	64
		W11/326	26.77					36	16	52
R6/326	LKD	W12/326	27.57	3.28	249.60	245.00	98.16%	40	18	58
	W13/326	3.71	9					5	14	
R7/326	BEDROOM	W14/326	9.18	2.39	127.00	126.10	99.29%	5	8	13
R8/326	LKD	W15/326	24.38	3.74	295.70	293.00	99.09%	33	15	48
		W16/326	25.26					36	15	51
		W17/326	10.48					11	7	18
		W18/326	26.67					11	0	11
R9/326	BEDROOM	W19/326	29.13	2.40	139.30	121.40	87.15%	N/A	N/A	N/A
R10/326	BEDROOM	W20/326	30.08	2.74	125.00	118.90	95.12%	N/A	N/A	N/A
R11/326	BEDROOM	W21/326	29.60	2.78	119.20	114.30	95.89%	N/A	N/A	N/A
R12/326	LKD	W22/326	12.79	3.31	288.40	288.40	100.00%	N/A	N/A	N/A
		W23/326	22.97					N/A	N/A	N/A
		W24/326	19.80					N/A	N/A	N/A
		W25/326	19.71					N/A	N/A	N/A
<b>7th Floor</b>										
R1/327	LKD	W1/327	19.26	3.23	288.40	288.20	99.93%	7	0	7
		W2/327	17.74					3	0	3
		W3/327	19.91					6	0	6
		W4/327	15.36					15	4	19
R2/327	BEDROOM	W5/327	37.23	3.31	119.20	115.30	96.73%	35	14	49
R3/327	BEDROOM	W6/327	38.64	3.33	125.00	121.70	97.36%	35	14	49
R4/327	BEDROOM	W7/327	38.76	3.42	121.40	116.20	95.72%	35	14	49
R5/327	LKD	W8/327	37.18	4.54	295.70	292.60	98.95%	31	9	40
		W9/327	16.05					16	11	27
		W10/327	29.86					46	19	65
		W11/327	27.58					38	17	55
R6/327	LKD	W12/327	28.45	3.37	249.60	245.10	98.20%	42	18	60
	W13/327	4.00	10					5	15	
R7/327	BEDROOM	W14/327	10.26	2.49	127.00	126.10	99.29%	6	8	14
R8/327	LKD	W15/327	25.30	3.81	295.70	293.00	99.09%	34	15	49
		W16/327	26.21					38	15	53
		W17/327	10.60					11	7	18
		W18/327	27.19					11	0	11
R9/327	BEDROOM	W19/327	29.67	2.43	139.30	124.50	89.38%	N/A	N/A	N/A
R10/327	BEDROOM	W20/327	30.62	2.77	125.00	119.30	95.44%	N/A	N/A	N/A
R11/327	BEDROOM	W21/327	30.13	2.82	119.20	114.50	96.06%	N/A	N/A	N/A
R12/327	LKD	W22/327	12.97	3.35	288.40	288.40	100.00%	N/A	N/A	N/A
		W23/327	23.31					N/A	N/A	N/A
		W24/327	20.17					N/A	N/A	N/A
		W25/327	20.09					N/A	N/A	N/A
<b>8th Floor</b>										
R1/328	LKD	W1/328	18.73	3.17	288.40	288.20	99.93%	7	0	7
		W2/328	17.46					3	0	3
		W3/328	19.54					6	0	6
		W4/328	14.79					15	4	19
R2/328	BEDROOM	W5/328	36.60	3.22	119.20	115.30	96.73%	34	14	48
R3/328	BEDROOM	W6/328	37.79	3.24	125.00	121.70	97.36%	34	14	48
R4/328	BEDROOM	W7/328	37.88	3.32	121.40	116.20	95.72%	34	14	48
R5/328	LKD	W8/328	36.52	4.49	295.70	293.10	99.12%	31	9	40
		W9/328	15.49					16	11	27
		W10/328	29.93					47	19	66
		W11/328	27.99					39	17	56
R6/328	LKD	W12/328	28.51	3.31	249.60	245.30	98.28%	43	19	62
	W13/328	4.02	6					6	12	

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total	
R7/328	BEDROOM	W14/328	10.01	2.48	127.00	126.10	99.29%	3	11	14	
R8/328	LKD	W15/328	25.79	3.79	295.70	293.00	99.09%	35	17	52	
		W16/328	26.51					38	17	55	
		W17/328	10.69					8	8	16	
		W18/328	26.99					13	0	13	
R9/328	BEDROOM	W19/328	29.26	2.38	139.30	124.70	89.52%	N/A	N/A	N/A	
R10/328	BEDROOM	W20/328	30.20	2.71	125.00	119.40	95.52%	N/A	N/A	N/A	
R11/328	BEDROOM	W21/328	29.90	2.76	119.20	114.90	96.39%	N/A	N/A	N/A	
R12/328	LKD	W22/328	12.95	3.30	288.40	288.40	100.00%	N/A	N/A	N/A	
		W23/328	22.85					N/A	N/A	N/A	
		W24/328	19.84					N/A	N/A	N/A	
		W25/328	19.55					N/A	N/A	N/A	
<b>9th Floor</b>											
R1/329	LKD	W1/329	20.48	3.36	288.40	288.00	99.86%	7	0	7	
		W2/329	18.94					3	0	3	
		W3/329	21.11					6	0	6	
		W4/329	15.44					15	4	19	
R2/329	BEDROOM	W5/329	37.49	3.33	119.20	115.30	96.73%	35	14	49	
R3/329	BEDROOM	W6/329	38.90	3.36	125.00	121.70	97.36%	35	14	49	
R4/329	BEDROOM	W7/329	39.00	3.44	121.40	116.20	95.72%	35	14	49	
R5/329	LKD	W8/329	37.40	4.63	295.70	294.50	99.59%	31	9	40	
		W9/329	16.16					16	11	27	
		W10/329	31.80					47	21	68	
		W11/329	29.46					39	20	59	
R6/329	LKD	W12/329	30.61	3.58	249.60	245.60	98.40%	45	20	65	
		W13/329	4.70					10	7	17	
R7/329	BEDROOM	W14/329	11.34	2.53	127.00	126.10	99.29%	5	13	18	
R8/329	LKD	W15/329	27.49	3.99	295.70	293.00	99.09%	35	18	53	
		W16/329	28.55					39	19	58	
		W17/329	11.03					11	8	19	
		W18/329	28.56					14	0	14	
R9/329	BEDROOM	W19/329	31.11	2.51	139.30	125.20	89.88%	N/A	N/A	N/A	
R10/329	BEDROOM	W20/329	32.02	2.85	125.00	119.40	95.52%	N/A	N/A	N/A	
R11/329	BEDROOM	W21/329	31.42	2.90	119.20	115.10	96.56%	N/A	N/A	N/A	
R12/329	LKD	W22/329	13.35	3.48	288.40	288.40	100.00%	N/A	N/A	N/A	
		W23/329	24.34					N/A	N/A	N/A	
		W24/329	21.26					N/A	N/A	N/A	
		W25/329	21.28					N/A	N/A	N/A	
<b>10th Floor</b>											
R1/330	LKD	W1/330	21.15	3.45	288.40	288.20	99.93%	7	0	7	
		W2/330	19.63					3	0	3	
		W3/330	21.77					6	0	6	
		W4/330	15.44					15	4	19	
R2/330	BEDROOM	W5/330	37.46	3.33	119.20	115.30	96.73%	35	14	49	
R3/330	BEDROOM	W6/330	38.86	3.36	125.00	121.70	97.36%	35	14	49	
R4/330	BEDROOM	W7/330	38.95	3.44	121.40	116.20	95.72%	35	14	49	
R5/330	LKD	W8/330	37.37	4.67	295.70	294.50	99.59%	31	9	40	
		W9/330	16.16					16	11	27	
		W10/330	32.78					47	23	70	
		W11/330	30.46					39	20	59	
R6/330	LKD	W12/330	31.72	3.71	249.60	246.10	98.60%	45	22	67	
		W13/330	5.14					11	7	18	
R7/330	BEDROOM	W14/330	12.15	2.66	127.00	126.10	99.29%	5	14	19	
R8/330	LKD	W15/330	28.66	4.08	295.70	293.00	99.09%	37	21	58	
		W16/330	29.80					39	21	60	
		W17/330	11.37					11	9	20	
		W18/330	29.33					17	1	18	
R9/330	BEDROOM	W19/330	31.86	2.56	139.30	126.80	91.03%	N/A	N/A	N/A	
R10/330	BEDROOM	W20/330	32.73	2.90	125.00	119.40	95.52%	N/A	N/A	N/A	
R11/330	BEDROOM	W21/330	32.08	2.94	119.20	115.10	96.56%	N/A	N/A	N/A	
R12/330	LKD	W22/330	13.58	3.57	288.40	288.40	100.00%	N/A	N/A	N/A	
		W23/330	24.91					N/A	N/A	N/A	
		W24/330	21.89					N/A	N/A	N/A	
		W25/330	21.93					N/A	N/A	N/A	

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>11th Floor</b>										
R1/331	LKD	W1/331	21.02	3.42	288.40	288.20	99.93%	7	0	7
		W2/331	19.74					3	0	3
		W3/331	21.76					6	0	6
		W4/331	14.82					15	4	19
R2/331	BEDROOM	W5/331	36.70	3.22	119.20	115.30	96.73%	34	14	48
R3/331	BEDROOM	W6/331	37.88	3.24	125.00	121.70	97.36%	34	14	48
R4/331	BEDROOM	W7/331	37.96	3.32	121.40	116.20	95.72%	34	14	48
R5/331	LKD	W8/331	36.60	4.62	295.70	294.50	99.59%	31	9	40
		W9/331	15.54					16	11	27
		W10/331	33.02					50	25	75
		W11/331	31.02					39	23	62
R6/331	LKD	W12/331	31.96	3.65	249.60	245.90	98.52%	45	24	69
		W13/331	4.86					8	9	17
R7/331	BEDROOM	W14/331	12.05	2.78	127.00	126.10	99.29%	3	15	18
R8/331	LKD	W15/331	29.36	4.08	295.70	293.00	99.09%	38	23	61
		W17/331	30.34					42	22	64
		W18/331	11.50					8	9	17
		W19/331	29.39					17	1	18
R9/331	BEDROOM	W20/331	31.67	2.52	139.30	128.50	92.25%	N/A	N/A	N/A
R10/331	BEDROOM	W21/331	32.49	2.85	125.00	119.50	95.60%	N/A	N/A	N/A
R11/331	BEDROOM	W22/331	31.99	2.89	119.20	115.10	96.56%	N/A	N/A	N/A
R12/331	LKD	W23/331	13.66	3.55	288.40	288.40	100.00%	N/A	N/A	N/A
		W24/331	24.77					N/A	N/A	N/A
		W25/331	21.91					N/A	N/A	N/A
		W26/331	21.77					N/A	N/A	N/A
<b>12th Floor</b>										
R1/332	LKD	W1/332	23.32	3.71	288.40	288.00	99.86%	7	0	7
		W2/332	21.79					3	0	3
		W3/332	23.87					6	0	6
		W4/332	15.46					15	4	19
R2/332	BEDROOM	W5/332	37.49	3.33	119.20	115.30	96.73%	35	14	49
R3/332	BEDROOM	W6/332	38.93	3.36	125.00	121.70	97.36%	35	14	49
R4/332	BEDROOM	W7/332	39.00	3.44	121.40	116.20	95.72%	35	14	49
R5/332	LKD	W8/332	37.41	4.76	295.70	294.50	99.59%	31	9	40
		W9/332	16.16					16	11	27
		W10/332	35.00					50	25	75
		W11/332	32.61					40	23	63
R6/332	LKD	W12/332	34.24	3.98	249.60	246.40	98.72%	48	25	73
		W13/332	6.20					12	9	21
R7/332	BEDROOM	W14/332	13.86	3.04	127.00	126.20	99.37%	5	16	21
R8/332	LKD	W15/332	31.23	4.28	295.70	293.10	99.12%	39	24	63
		W17/332	32.68					44	23	67
		W18/332	11.99					11	9	20
		W19/332	31.27					22	1	23
R9/332	BEDROOM	W20/332	33.75	2.67	139.30	131.40	94.33%	N/A	N/A	N/A
R10/332	BEDROOM	W21/332	34.49	3.01	125.00	120.30	96.24%	N/A	N/A	N/A
R11/332	BEDROOM	W22/332	33.64	3.04	119.20	115.10	96.56%	N/A	N/A	N/A
R12/332	LKD	W23/332	14.20	3.82	288.40	288.40	100.00%	N/A	N/A	N/A
		W24/332	26.71					N/A	N/A	N/A
		W25/332	23.83					N/A	N/A	N/A
		W26/332	24.03					N/A	N/A	N/A
<b>13th Floor</b>										
R1/333	LKD	W1/333	24.77	3.88	288.40	288.20	99.93%	7	0	7
		W2/333	23.26					3	0	3
		W3/333	25.27					6	0	6
		W4/333	15.51					15	4	19
R2/333	BEDROOM	W5/333	37.46	3.33	119.20	115.30	96.73%	35	14	49
R3/333	BEDROOM	W6/333	38.88	3.36	125.00	121.70	97.36%	35	14	49
R4/333	BEDROOM	W7/333	38.95	3.44	121.40	116.20	95.72%	35	14	49
R5/333	LKD	W8/333	37.37	4.80	295.70	294.50	99.59%	31	9	40
		W9/333	16.16					16	11	27
		W10/333	35.89					51	27	78
		W11/333	33.50					40	25	65
R6/333	LKD	W12/333	35.27	4.11	249.60	246.40	98.72%	48	27	75
		W13/333	6.62					13	10	23



Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R7/333	BEDROOM	W14/333	14.59	3.19	127.00	126.20	99.37%	5	19	24
		W15/333	32.29					39	26	65
		W17/333	33.92					45	27	72
		W18/333	12.45					12	9	21
R8/333	LKD	W19/333	32.28	4.37	295.70	293.70	99.32%	23	1	24
		W20/333	34.65	2.73	139.30	133.60	95.91%	N/A	N/A	N/A
		W21/333	35.31	3.07	125.00	121.00	96.80%	N/A	N/A	N/A
		W22/333	34.37	3.09	119.20	115.10	96.56%	N/A	N/A	N/A
R9/333	BEDROOM	W23/333	14.54					N/A	N/A	N/A
		W24/333	27.88					N/A	N/A	N/A
		W25/333	25.13					N/A	N/A	N/A
		W26/333	25.43					N/A	N/A	N/A
R10/333	BEDROOM	W27/333	25.59					N/A	N/A	N/A
		W28/333	24.31					N/A	N/A	N/A
		W29/333	26.16					N/A	N/A	N/A
		W30/333	14.94					N/A	N/A	N/A
R11/333	LKD	W31/333	36.70	3.96	288.40	288.20	99.93%	7	0	7
		W32/333	24.31					3	0	3
		W33/333	26.16					6	0	6
		W34/333	14.94					15	4	19
R12/333	BEDROOM	W35/333	36.70	3.22	119.20	115.30	96.73%	34	14	48
		W36/333	37.90	3.24	125.00	121.70	97.36%	34	14	48
		W37/333	37.96	3.32	121.40	116.20	95.72%	34	14	48
		W38/333	36.60					31	9	40
R13/333	LKD	W39/333	15.55					16	11	27
		W40/333	35.96	4.75	295.70	294.50	99.59%	51	28	79
		W41/333	33.89					41	26	67
		W42/333	35.35					49	28	77
R14/333	LKD	W43/333	6.21	4.03	249.60	246.40	98.72%	9	10	19
		W44/333	14.36	3.30	127.00	126.20	99.37%	3	19	22
		W45/333	32.82					40	26	66
		W46/333	34.39					48	27	75
R15/333	LKD	W47/333	12.97	4.40	295.70	294.20	99.49%	11	9	20
		W48/333	32.55					24	3	27
		W49/333	34.54	2.70	139.30	133.60	95.91%	N/A	N/A	N/A
		W50/333	35.08	3.02	125.00	121.20	96.96%	N/A	N/A	N/A
R16/333	BEDROOM	W51/333	34.25	3.04	119.20	115.10	96.56%	N/A	N/A	N/A
		W52/333	14.59					N/A	N/A	N/A
		W53/333	28.46					N/A	N/A	N/A
		W54/333	25.96	4.06	288.40	288.40	100.00%	N/A	N/A	N/A
R17/333	LKD	W55/333	26.17					N/A	N/A	N/A
		W56/333	28.20					4	0	4
		W57/333	28.01					2	0	2
		W58/333	27.37	4.42	288.40	288.20	99.93%	5	0	5
R18/333	LKD	W59/333	15.47					15	4	19
		W60/333	38.12	3.55	119.20	115.90	97.23%	34	13	47
		W61/333	38.26	3.44	125.00	121.40	97.12%	34	12	46
		W62/333	38.17	3.51	121.40	116.10	95.63%	33	12	45
R19/333	BEDROOM	W63/333	38.12					33	10	43
		W64/333	15.79					16	11	27
		W65/333	36.17	5.02	295.70	294.50	99.59%	45	28	73
		W66/333	35.86					42	29	71
R20/333	LKD	W67/333	37.33	4.35	249.60	246.40	98.72%	49	29	78
		W68/333	7.55					14	10	24
		W69/333	16.47	3.53	127.00	126.20	99.37%	5	19	24
		W70/333	35.02					43	26	69
R21/333	LKD	W71/333	34.57	4.68	295.70	294.40	99.56%	42	25	67
		W72/333	13.41					15	9	24
		W73/333	35.11					27	6	33
		W74/333	35.82	2.91	139.30	133.60	95.91%	N/A	N/A	N/A
R22/333	BEDROOM	W75/333	36.21	3.24	125.00	121.40	97.12%	N/A	N/A	N/A
		W76/333	36.35	3.33	119.20	115.80	97.15%	N/A	N/A	N/A
		W77/333	14.76					N/A	N/A	N/A
		W78/333	28.92					N/A	N/A	N/A
R23/333	LKD	W79/333	29.38	4.50	288.40	288.40	100.00%	N/A	N/A	N/A
		W80/333	28.69					N/A	N/A	N/A
		W81/333	29.38					N/A	N/A	N/A
		W82/333	28.69					N/A	N/A	N/A

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>16th Floor</b>										
R1/336	LKD	W1/336	30.80	4.66	288.40	288.40	100.00%	4	0	4
		W2/336	30.60					2	0	2
		W3/336	29.85					5	0	5
		W4/336	15.61					15	4	19
R2/336	BEDROOM	W5/336	38.12	3.55	119.20	115.90	97.23%	34	13	47
R3/336	BEDROOM	W6/336	38.26	3.44	125.00	121.40	97.12%	34	12	46
R4/336	BEDROOM	W7/336	38.17	3.51	121.40	116.10	95.63%	33	12	45
R5/336	LKD	W8/336	38.12	5.05	295.70	294.50	99.59%	33	10	43
		W9/336	15.79					16	11	27
		W10/336	36.84					45	28	73
		W11/336	36.62					42	29	71
R6/336	LKD	W12/336	38.24	4.47	249.60	246.40	98.72%	49	29	78
		W13/336	7.97					14	11	25
R7/336	BEDROOM	W14/336	17.08	3.65	127.00	126.20	99.37%	5	19	24
R8/336	LKD	W15/336	36.06	4.82	295.70	294.40	99.56%	43	26	69
		W17/336	35.80					42	26	68
		W18/336	14.09					15	10	25
		W19/336	36.21					27	7	34
R9/336	BEDROOM	W20/336	36.74	2.98	139.30	133.60	95.91%	N/A	N/A	N/A
R10/336	BEDROOM	W21/336	36.98	3.30	125.00	121.40	97.12%	N/A	N/A	N/A
R11/336	BEDROOM	W22/336	36.97	3.37	119.20	115.80	97.15%	N/A	N/A	N/A
R12/336	LKD	W23/336	14.88	4.71	288.40	288.40	100.00%	N/A	N/A	N/A
		W24/336	30.93					N/A	N/A	N/A
		W25/336	31.63					N/A	N/A	N/A
		W26/336	31.16					N/A	N/A	N/A
<b>17th Floor</b>										
R1/337	LKD	W1/337	33.56	4.92	288.40	288.40	100.00%	4	0	4
		W2/337	33.35					2	0	2
		W3/337	32.48					5	0	5
		W4/337	15.74					15	4	19
R2/337	BEDROOM	W5/337	38.10	3.55	119.20	115.90	97.23%	34	13	47
R3/337	BEDROOM	W6/337	38.25	3.44	125.00	121.40	97.12%	34	12	46
R4/337	BEDROOM	W7/337	38.15	3.51	121.40	116.10	95.63%	33	12	45
R5/337	LKD	W8/337	38.10	5.05	295.70	294.50	99.59%	33	10	43
		W9/337	15.79					16	11	27
		W10/337	36.99					45	28	73
		W11/337	36.83					42	30	72
R6/337	LKD	W12/337	38.60	4.52	249.60	246.40	98.72%	49	30	79
		W13/337	8.33					14	11	25
R7/337	BEDROOM	W14/337	17.17	3.66	127.00	126.20	99.37%	5	19	24
R8/337	LKD	W15/337	36.54	4.92	295.70	294.40	99.56%	43	28	71
		W16/337	36.47					42	28	70
		W17/337	14.73					15	11	26
		W18/337	37.23					27	9	36
R9/337	BEDROOM	W19/337	37.58	3.04	139.30	133.60	95.91%	N/A	N/A	N/A
R10/337	BEDROOM	W20/337	37.67	3.36	125.00	121.40	97.12%	N/A	N/A	N/A
R11/337	BEDROOM	W21/337	37.53	3.42	119.20	115.80	97.15%	N/A	N/A	N/A
R12/337	LKD	W22/337	15.00	4.94	288.40	288.40	100.00%	N/A	N/A	N/A
		W23/337	33.04					N/A	N/A	N/A
		W24/337	34.00					N/A	N/A	N/A
		W25/337	33.79					N/A	N/A	N/A
<b>18th Floor</b>										
R1/338	LKD	W1/338	36.11	5.81	288.40	288.40	100.00%	4	0	4
		W2/338	35.88					2	0	2
		W3/338	34.91					5	0	5
		W4/338	25.48					22	4	26
R2/338	BEDROOM	W5/338	37.98	3.55	119.20	115.90	97.23%	34	13	47
R3/338	BEDROOM	W6/338	38.12	3.44	125.00	121.40	97.12%	34	12	46
R4/338	BEDROOM	W7/338	38.03	3.51	121.40	116.10	95.63%	33	12	45
R5/338	LKD	W8/338	37.98	5.67	295.70	294.50	99.59%	33	10	43
		W9/338	25.32					27	11	38
		W10/338	36.91					45	28	73
		W11/338	36.82					42	30	72
R6/338	LKD	W12/338	38.61	4.75	249.60	249.40	99.92%	49	30	79
		W13/338	13.17					18	11	29

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R7/338	BEDROOM	W14/338	23.91	4.80	127.00	126.50	99.61%	15	19	34	
R8/338	LKD	W15/338	36.70	5.57	295.70	294.40	99.56%	43	28	71	
		W16/338	36.74					42	28	70	
		W17/338	25.20					23	11	34	
		W18/338	37.79					27	9	36	
R9/338	BEDROOM	W19/338	38.03	3.08	139.30	133.60	95.91%	N/A	N/A	N/A	
R10/338	BEDROOM	W20/338	38.04	3.39	125.00	121.40	97.12%	N/A	N/A	N/A	
R11/338	BEDROOM	W21/338	37.81	3.45	119.20	115.80	97.15%	N/A	N/A	N/A	
R12/338	LKD	W22/338	25.04	5.78	288.40	288.40	100.00%	N/A	N/A	N/A	
		W23/338	34.98					N/A	N/A	N/A	
		W24/338	36.18					N/A	N/A	N/A	
		W25/338	36.22					N/A	N/A	N/A	
<b>Block B3</b>											
<b>1st Floor</b>											
R1/351	BEDROOM	W1/351	13.05	1.31	75.40	65.30	86.60%	N/A	N/A	N/A	
R2/351	BEDROOM	W2/351	33.22	2.22	126.50	121.30	95.89%	N/A	N/A	N/A	
R3/351	BEDROOM	W3/351	32.70	1.79	162.50	144.80	89.11%	1	0	1	
		W4/351	0.17					0	0	0	
R4/351	LKD	W5/351	0.95	1.09	292.30	201.90	69.07%	1	0	1	
		W6/351	8.43					0	7	7	
R5/351	BEDROOM	W7/351	9.40	1.71	177.50	176.10	99.21%	0	8	8	
R6/351	BEDROOM	W8/351	9.08	1.20	125.10	117.00	93.53%	0	6	6	
R7/351	BEDROOM	W9/351	7.96	1.23	121.00	114.70	94.79%	0	7	7	
R8/351	LKD	W10/351	7.39	1.49	287.50	279.00	97.04%	0	7	7	
		W11/351	23.28					14	12	26	
R9/351	LD	W12/351	7.59	1.56	177.30	164.20	92.61%	0	7	7	
R10/351	BEDROOM	W13/351	6.93	1.07	125.20	74.90	59.82%	0	6	6	
R11/351	BEDROOM	W14/351	5.38	0.96	125.20	117.00	93.45%	0	5	5	
R12/351	LD	W15/351	5.21	1.27	177.30	147.60	83.25%	0	5	5	
R13/351	LIVINGROOM	W16/351	5.24	1.16	197.10	163.00	82.70%	0	5	5	
R14/351	KD	W17/351	5.50	1.37	167.00	143.60	85.99%	0	6	6	
R15/351	BEDROOM	W18/351	9.59	2.65	144.10	144.10	100.00%	N/A	N/A	N/A	
		W19/351	28.29					N/A	N/A	N/A	
R16/351	BEDROOM	W20/351	28.97	2.95	80.70	78.80	97.65%	N/A	N/A	N/A	
R17/351	BEDROOM	W21/351	29.34	2.13	131.80	127.00	96.36%	N/A	N/A	N/A	
<b>2nd Floor</b>											
R1/352	BEDROOM	W1/352	13.99	1.40	75.40	65.30	86.60%	N/A	N/A	N/A	
R2/352	BEDROOM	W2/352	35.03	2.31	126.50	121.40	95.97%	N/A	N/A	N/A	
R3/352	BEDROOM	W3/352	35.25	2.56	162.50	149.60	92.06%	1	0	1	
		W4/352	9.08					6	0	6	
R4/352	LKD	W5/352	22.32	2.04	292.30	254.00	86.90%	18	8	26	
		W6/352	10.10					1	8	9	
R5/352	BEDROOM	W7/352	10.33	1.81	177.50	176.60	99.49%	1	8	9	
R6/352	BEDROOM	W8/352	9.90	1.27	125.10	118.70	94.88%	1	6	7	
R7/352	BEDROOM	W9/352	8.62	1.29	121.00	114.70	94.79%	1	7	8	
R8/352	LKD	W10/352	7.91	1.55	287.50	279.10	97.08%	0	7	7	
		W11/352	24.24					15	12	27	
R9/352	LD	W12/352	8.20	1.63	177.30	166.00	93.63%	0	7	7	
R10/352	BEDROOM	W13/352	7.59	1.14	125.20	77.10	61.58%	0	6	6	
R11/352	BEDROOM	W14/352	5.96	1.02	125.20	117.80	94.09%	0	5	5	
R12/352	LD	W15/352	5.80	1.34	177.30	151.50	85.45%	0	5	5	
R13/352	LIVINGROOM	W16/352	5.74	1.23	197.10	175.00	88.79%	0	5	5	
R14/352	KD	W17/352	6.39	1.46	167.00	144.20	86.35%	0	7	7	
R15/352	BEDROOM	W18/352	10.44	2.72	144.10	144.10	100.00%	N/A	N/A	N/A	
		W19/352	29.42					N/A	N/A	N/A	
R16/352	BEDROOM	W20/352	30.13	3.04	80.70	78.80	97.65%	N/A	N/A	N/A	
R17/352	BEDROOM	W21/352	30.53	2.19	131.80	127.00	96.36%	N/A	N/A	N/A	
<b>3rd Floor</b>											
R1/353	BEDROOM	W1/353	14.63	1.46	75.40	65.30	86.60%	N/A	N/A	N/A	
R2/353	BEDROOM	W2/353	36.34	2.39	126.50	121.40	95.97%	N/A	N/A	N/A	
R3/353	BEDROOM	W3/353	36.51	3.85	162.50	152.10	93.60%	1	0	1	
		W4/353	37.41					30	15	45	
R4/353	LKD	W5/353	38.25	2.44	292.30	263.80	90.25%	30	15	45	
		W6/353	10.38					1	8	9	
R5/353	BEDROOM	W7/353	10.55	1.82	177.50	176.60	99.49%	1	8	9	
R6/353	BEDROOM	W8/353	10.10	1.28	125.10	120.90	96.64%	1	6	7	

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R7/353	BEDROOM	W9/353	8.76	1.30	121.00	114.70	94.79%	1	7	8
R8/353	LKD	W10/353	8.01	1.57	287.50	278.90	97.01%	0	7	7
		W11/353	24.56					15	12	27
R9/353	LD	W12/353	8.34	1.65	177.30	166.60	93.97%	0	7	7
R10/353	BEDROOM	W13/353	7.75	1.15	125.20	82.00	65.50%	0	6	6
R11/353	BEDROOM	W14/353	6.16	1.03	125.20	118.80	94.89%	0	5	5
R12/353	LD	W15/353	6.01	1.36	177.30	159.10	89.73%	0	5	5
R13/353	LIVINGROOM	W16/353	5.87	1.25	197.10	186.10	94.42%	0	5	5
R14/353	KD	W17/353	7.17	1.50	167.00	158.30	94.79%	0	9	9
R15/353	BEDROOM	W18/353	10.79	2.77	144.10	144.10	100.00%	N/A	N/A	N/A
		W19/353	30.48					N/A	N/A	N/A
R16/353	BEDROOM	W20/353	31.22	3.11	80.70	78.80	97.65%	N/A	N/A	N/A
R17/353	BEDROOM	W21/353	31.65	2.25	131.80	127.00	96.36%	N/A	N/A	N/A
<b>4th Floor</b>										
R1/354	BEDROOM	W1/354	14.95	1.48	75.40	65.30	86.60%	N/A	N/A	N/A
R2/354	BEDROOM	W2/354	37.00	2.42	126.50	121.40	95.97%	N/A	N/A	N/A
R3/354	BEDROOM	W3/354	37.15	3.94	162.50	152.10	93.60%	1	0	1
		W4/354	39.38					30	15	45
R4/354	LKD	W5/354	39.41	2.47	292.30	263.80	90.25%	30	15	45
		W6/354	10.52					1	8	9
R5/354	BEDROOM	W7/354	10.66	1.83	177.50	176.60	99.49%	1	8	9
R6/354	BEDROOM	W8/354	10.20	1.29	125.10	121.50	97.12%	1	6	7
R7/354	BEDROOM	W9/354	8.83	1.31	121.00	114.70	94.79%	1	7	8
R8/354	LKD	W10/354	8.05	1.57	287.50	279.20	97.11%	0	7	7
		W11/354	24.85					15	12	27
R9/354	LD	W12/354	8.41	1.66	177.30	167.90	94.70%	1	7	8
R10/354	BEDROOM	W13/354	7.84	1.16	125.20	90.10	71.96%	1	6	7
R11/354	BEDROOM	W14/354	6.30	1.03	125.20	119.50	95.45%	0	5	5
R12/354	LD	W15/354	6.16	1.37	177.30	161.30	90.98%	0	5	5
R13/354	LIVINGROOM	W16/354	5.93	1.26	197.10	186.10	94.42%	0	5	5
R14/354	KD	W17/354	7.46	1.54	167.00	163.40	97.84%	0	9	9
R15/354	BEDROOM	W18/354	11.16	2.80	144.10	144.10	100.00%	N/A	N/A	N/A
		W19/354	31.20					N/A	N/A	N/A
R16/354	BEDROOM	W20/354	31.96	3.16	80.70	78.80	97.65%	N/A	N/A	N/A
R17/354	BEDROOM	W21/354	32.43	2.28	131.80	127.00	96.36%	N/A	N/A	N/A
<b>5th Floor</b>										
R1/355	BEDROOM	W1/355	15.16	1.50	75.40	65.30	86.60%	N/A	N/A	N/A
R2/355	BEDROOM	W2/355	37.27	2.44	126.50	121.60	96.13%	N/A	N/A	N/A
R3/355	BEDROOM	W3/355	37.41	3.96	162.50	152.10	93.60%	1	0	1
		W4/355	39.33					30	15	45
R4/355	LKD	W5/355	39.35	2.47	292.30	263.80	90.25%	30	15	45
		W6/355	10.66					1	9	10
R5/355	BEDROOM	W7/355	10.75	1.83	177.50	176.60	99.49%	1	8	9
R6/355	BEDROOM	W8/355	10.28	1.29	125.10	121.50	97.12%	1	6	7
R7/355	BEDROOM	W9/355	8.94	1.31	121.00	114.70	94.79%	1	7	8
R8/355	LKD	W10/355	8.12	1.58	287.50	279.30	97.15%	0	7	7
		W11/355	25.18					16	12	28
R9/355	LD	W12/355	8.50	1.67	177.30	172.40	97.24%	1	7	8
R10/355	BEDROOM	W13/355	7.95	1.17	125.20	101.40	80.99%	1	6	7
R11/355	BEDROOM	W14/355	6.48	1.05	125.20	120.10	95.93%	0	5	5
R12/355	LD	W15/355	6.34	1.39	177.30	163.50	92.22%	0	5	5
R13/355	LIVINGROOM	W16/355	6.01	1.27	197.10	186.10	94.42%	0	5	5
R14/355	KD	W17/355	7.78	1.59	167.00	163.40	97.84%	0	9	9
R15/355	BEDROOM	W18/355	11.52	2.83	144.10	144.10	100.00%	N/A	N/A	N/A
		W19/355	31.65					N/A	N/A	N/A
R16/355	BEDROOM	W20/355	32.44	3.19	80.70	78.80	97.65%	N/A	N/A	N/A
R17/355	BEDROOM	W21/355	32.99	2.30	131.80	127.00	96.36%	N/A	N/A	N/A

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
<b>6th Floor</b>											
R1/356	LD	W1/356	8.06	1.63	177.30	174.30	98.31%	1	7	8	
R2/356	BEDROOM	W2/356	7.52	1.15	125.20	105.90	84.58%	1	6	7	
R3/356	BEDROOM	W3/356	6.17	1.03	125.20	120.10	95.93%	0	5	5	
R4/356	LD	W4/356	6.05	1.37	177.30	165.40	93.29%	0	5	5	
R5/356	LIVINGROOM	W5/356	5.68	1.24	197.10	187.90	95.33%	0	5	5	
R6/356	KD	W6/356	7.44	1.57	167.00	163.40	97.84%	0	8	8	
R7/356	BEDROOM	W7/356	11.81	2.85	144.10	144.10	100.00%	N/A	N/A	N/A	
		W8/356	31.96					N/A	N/A	N/A	
R8/356	BEDROOM	W9/356	32.80	3.21	80.70	78.80	97.65%	N/A	N/A	N/A	
R9/356	BEDROOM	W10/356	33.46	2.32	131.80	127.00	96.36%	N/A	N/A	N/A	
<b>Block C1</b>											
<b>1st Floor</b>											
R1/401	KITCHEN	W1/401	19.50	2.33	88.10	52.80	59.93%	N/A	N/A	N/A	
R2/401	LD	W2/401	19.42	2.63	239.20	203.10	84.91%	5	0	5	
		W3/401	11.52					13	8	21	
R3/401	BEDROOM	W4/401	27.21	2.54	128.80	125.60	97.52%	25	5	30	
R4/401	BEDROOM	W5/401	24.23	2.26	127.70	115.10	90.13%	18	3	21	
R5/401	BEDROOM	W6/401	18.97	2.51	90.50	88.80	98.12%	11	0	11	
R6/401	LD	W7/401	16.62	2.95	163.20	162.80	99.75%	19	5	24	
R7/401	BEDROOM	W8/401	32.77	2.73	129.70	126.80	97.76%	33	9	42	
R8/401	BEDROOM	W9/401	32.74	2.63	124.20	116.60	93.88%	33	9	42	
R9/401	LKD	W10/401	32.55	4.15	290.30	290.30	100.00%	33	9	42	
		W11/401	32.29					33	8	41	
		W12/401	5.24					8	7	15	
R10/401	BEDROOM	W13/401	17.33	1.54	124.00	93.80	75.65%	39	8	47	
R11/401	LKD	W14/401	15.62	1.29	287.20	203.20	70.75%	39	9	48	
		W15/401	14.44					42	7	49	
R12/401	BEDROOM	W16/401	0.58	0.37	156.70	74.30	47.42%	0	0	0	
R13/401	BEDROOM	W17/401	13.57	1.08	124.00	79.10	63.79%	40	6	46	
R14/401	LKD	W18/401	3.61	4.05	290.40	286.90	98.79%	6	3	9	
		W19/401	33.12					28	5	33	
		W20/401	33.20					28	5	33	
R15/401	BEDROOM	W21/401	33.46	2.70	124.20	116.10	93.48%	N/A	N/A	N/A	
R16/401	BEDROOM	W22/401	33.54	2.88	127.20	123.80	97.33%	N/A	N/A	N/A	
R17/401	LD	W23/401	16.03	3.09	167.40	167.10	99.82%	N/A	N/A	N/A	
		W24/401	15.37					N/A	N/A	N/A	
R18/401	BEDROOM	W25/401	20.82	2.68	90.50	89.00	98.34%	N/A	N/A	N/A	
R19/401	BEDROOM	W26/401	25.98	2.45	127.70	116.40	91.15%	N/A	N/A	N/A	
R20/401	BEDROOM	W27/401	28.42	2.75	128.80	125.50	97.44%	N/A	N/A	N/A	
R21/401	LD	W28/401	12.88	2.78	239.20	222.80	93.14%	N/A	N/A	N/A	
		W29/401	20.36					N/A	N/A	N/A	
R22/401	KITCHEN	W30/401	19.67	2.22	93.90	53.70	57.19%	N/A	N/A	N/A	
<b>2nd Floor</b>											
R1/402	KITCHEN	W1/402	28.60	3.25	88.10	85.70	97.28%	N/A	N/A	N/A	
R2/402	LD	W2/402	28.07	3.20	239.20	238.70	99.79%	6	0	6	
		W3/402	14.81					14	8	22	
R3/402	BEDROOM	W4/402	28.04	2.61	128.80	125.50	97.44%	25	7	32	
R4/402	BEDROOM	W5/402	25.61	2.31	127.70	115.10	90.13%	19	3	22	
R5/402	BEDROOM	W6/402	20.04	2.50	90.50	88.80	98.12%	11	0	11	
R6/402	LD	W7/402	15.95	3.29	163.20	163.00	99.88%	4	0	4	
		W8/402	17.58					19	5	24	
R7/402	BEDROOM	W9/402	34.44	2.72	137.50	134.40	97.75%	33	12	45	
R8/402	BEDROOM	W10/402	34.37	2.69	124.20	117.00	94.20%	33	11	44	
R9/402	LKD	W11/402	34.23	4.23	290.30	290.30	100.00%	33	9	42	
		W12/402	34.05					33	9	42	
		W13/402	5.75					5	9	14	
R10/402	BEDROOM	W14/402	18.14	1.53	124.00	95.50	77.02%	34	11	45	
R11/402	LKD	W15/402	16.40	1.28	285.90	203.20	71.07%	34	11	45	
		W16/402	15.18					36	7	43	
R12/402	BEDROOM	W17/402	0.42	0.29	156.70	76.90	49.07%	0	0	0	
R13/402	BEDROOM	W18/402	14.20	1.01	124.00	75.00	60.48%	35	6	41	
R14/402	LKD	W19/402	3.61	4.16	290.40	286.60	98.69%	2	3	5	
		W20/402	34.93					28	5	33	
		W21/402	35.34					30	7	37	
R15/402	BEDROOM	W22/402	35.38	2.80	124.20	116.60	93.88%	N/A	N/A	N/A	

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R16/402	BEDROOM	W23/402	35.53	2.97	127.20	123.60	97.17%	N/A	N/A	N/A
R17/402	LD	W24/402	17.40	3.15	178.60	178.30	99.83%	N/A	N/A	N/A
		W25/402	18.00					N/A	N/A	N/A
R18/402	BEDROOM	W26/402	22.16	2.69	90.50	88.60	97.90%	N/A	N/A	N/A
R19/402	BEDROOM	W27/402	27.96	2.47	127.70	114.90	89.98%	N/A	N/A	N/A
R20/402	BEDROOM	W28/402	29.94	2.75	128.80	125.30	97.28%	N/A	N/A	N/A
R21/402	LD	W29/402	16.65	3.46	239.20	238.40	99.67%	N/A	N/A	N/A
		W30/402	29.28					N/A	N/A	N/A
R22/402	KITCHEN	W31/402	28.87	3.09	93.90	91.40	97.34%	N/A	N/A	N/A
<b>3rd Floor</b>										
R1/403	KITCHEN	W1/403	36.29	3.90	88.10	85.70	97.28%	N/A	N/A	N/A
R2/403	LD	W2/403	35.86	3.71	239.20	238.70	99.79%	7	0	7
		W3/403	15.98					13	9	22
R3/403	BEDROOM	W4/403	30.01	2.69	128.80	125.50	97.44%	26	7	33
R4/403	BEDROOM	W5/403	26.95	2.36	127.70	115.10	90.13%	20	3	23
R5/403	BEDROOM	W6/403	21.08	2.54	90.50	88.80	98.12%	12	0	12
R6/403	LD	W7/403	17.68	3.43	163.20	163.00	99.88%	5	0	5
		W8/403	18.42					20	5	25
R7/403	BEDROOM	W9/403	35.91	2.78	137.50	134.40	97.75%	34	13	47
R8/403	BEDROOM	W10/403	35.81	2.75	124.20	117.00	94.20%	34	13	47
R9/403	LKD	W11/403	35.67	4.43	290.30	290.30	100.00%	34	13	47
		W12/403	35.49					34	12	46
		W13/403	6.78					5	12	17
R10/403	BEDROOM	W14/403	19.33	1.62	124.00	101.60	81.94%	35	12	47
R11/403	LKD	W15/403	17.48	1.37	285.90	217.00	75.90%	35	11	46
		W16/403	16.21					37	8	45
R12/403	BEDROOM	W17/403	0.46	0.29	156.70	77.90	49.71%	0	0	0
R13/403	BEDROOM	W18/403	15.09	1.09	124.00	82.10	66.21%	35	7	42
R14/403	LKD	W19/403	3.87	4.19	290.40	287.40	98.97%	3	4	7
		W20/403	35.57					28	5	33
		W21/403	35.66					29	6	35
R15/403	BEDROOM	W22/403	35.98	2.82	124.20	116.70	93.96%	N/A	N/A	N/A
R16/403	BEDROOM	W23/403	36.18	3.00	127.20	123.70	97.25%	N/A	N/A	N/A
R17/403	LD	W24/403	17.69	3.18	178.60	178.30	99.83%	N/A	N/A	N/A
		W25/403	19.33					N/A	N/A	N/A
R18/403	BEDROOM	W26/403	22.76	2.72	90.50	88.60	97.90%	N/A	N/A	N/A
R19/403	BEDROOM	W27/403	28.87	2.58	127.70	114.90	89.98%	N/A	N/A	N/A
R20/403	BEDROOM	W28/403	31.50	2.91	128.80	125.30	97.28%	N/A	N/A	N/A
R21/403	LD	W29/403	17.51	3.90	239.20	238.40	99.67%	N/A	N/A	N/A
		W30/403	36.88					N/A	N/A	N/A
R22/403	KITCHEN	W31/403	36.53	3.70	93.90	91.40	97.34%	N/A	N/A	N/A
<b>4th Floor</b>										
R1/404	KITCHEN	W1/404	38.91	4.11	88.10	85.70	97.28%	N/A	N/A	N/A
R2/404	LD	W2/404	38.97	3.98	239.20	238.70	99.79%	8	0	8
		W3/404	18.76					16	8	24
R3/404	BEDROOM	W4/404	31.00	2.83	128.80	125.50	97.44%	26	7	33
R4/404	BEDROOM	W5/404	28.16	2.49	127.70	115.10	90.13%	20	3	23
R5/404	BEDROOM	W6/404	22.02	2.66	90.50	88.80	98.12%	12	0	12
R6/404	LD	W7/404	19.41	3.52	163.20	163.00	99.88%	5	0	5
		W8/404	19.08					20	5	25
R7/404	BEDROOM	W9/404	37.08	2.83	137.50	134.40	97.75%	34	15	49
R8/404	BEDROOM	W10/404	36.98	2.79	124.20	117.00	94.20%	34	14	48
R9/404	LKD	W11/404	36.85	4.67	290.30	290.30	100.00%	34	13	47
		W12/404	36.69					34	13	47
		W13/404	7.80					5	13	18
R10/404	BEDROOM	W14/404	20.56	1.71	124.00	102.40	82.58%	35	13	48
R11/404	BEDROOM	W15/404	18.57	1.83	89.40	65.50	73.27%	35	13	48
R12/404	BEDROOM	W16/404	17.26	1.20	142.10	86.50	60.87%	37	12	49
R13/404	LD	W17/404	0.53	0.27	177.80	82.00	46.12%	0	0	0
R14/404	BEDROOM	W18/404	15.86	1.14	124.00	82.40	66.45%	35	9	44
R15/404	LKD	W19/404	4.21	4.24	290.40	287.80	99.10%	3	6	9
		W20/404	35.97					29	6	35
		W21/404	36.07					30	6	36

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R16/404	BEDROOM	W22/404	36.40	2.83	124.20	116.70	93.96%	N/A	N/A	N/A	
R17/404	BEDROOM	W23/404	36.61	3.01	127.20	124.00	97.48%	N/A	N/A	N/A	
R18/404	LD	W24/404	17.84	3.20	178.60	178.30	99.83%	N/A	N/A	N/A	
		W25/404	20.40					N/A	N/A	N/A	
R19/404	BEDROOM	W26/404	23.05	2.73	90.50	88.60	97.90%	N/A	N/A	N/A	
R20/404	BEDROOM	W27/404	29.08	2.51	127.70	114.90	89.98%	N/A	N/A	N/A	
R21/404	BEDROOM	W28/404	31.47	2.81	128.80	125.30	97.28%	N/A	N/A	N/A	
R22/404	LD	W29/404	18.75	4.00	239.20	238.40	99.67%	N/A	N/A	N/A	
		W30/404	39.10					N/A	N/A	N/A	
R23/404	KITCHEN	W31/404	38.92	3.89	93.90	91.40	97.34%	N/A	N/A	N/A	
<b>5th Floor</b>											
R1/405	KITCHEN	W1/405	39.04	4.11	88.10	85.70	97.28%	N/A	N/A	N/A	
R2/405	LD	W2/405	39.12	4.03	239.20	238.70	99.79%	8	0	8	
		W3/405	18.23					14	9	23	
R3/405	BEDROOM	W4/405	31.78	2.79	128.80	125.50	97.44%	27	7	34	
R4/405	BEDROOM	W5/405	28.47	2.45	127.70	115.10	90.13%	21	3	24	
R5/405	BEDROOM	W6/405	22.30	2.63	90.50	88.80	98.12%	13	0	13	
R6/405	LD	W7/405	20.09	3.57	163.20	163.00	99.88%	5	0	5	
		W8/405	19.43					20	5	25	
R7/405	BEDROOM	W9/405	37.77	2.86	137.50	134.40	97.75%	34	15	49	
R8/405	BEDROOM	W10/405	37.70	2.82	124.20	117.00	94.20%	34	15	49	
		W11/405	37.62					34	15	49	
R9/405	LKD	W12/405	37.53	4.87	290.30	290.30	100.00%	34	15	49	
		W13/405	8.81					5	15	20	
R10/405	BEDROOM	W14/405	21.77	1.80	124.00	102.90	82.98%	35	16	51	
R11/405	BEDROOM	W15/405	19.68	1.93	89.40	65.50	73.27%	35	14	49	
R12/405	BEDROOM	W16/405	18.34	1.27	142.10	89.10	62.70%	37	12	49	
R13/405	LD	W17/405	0.63	0.29	177.80	91.10	51.24%	0	0	0	
R14/405	BEDROOM	W18/405	16.80	1.21	124.00	82.70	66.69%	35	9	44	
R15/405	LKD	W19/405	4.64	4.28	290.40	287.80	99.10%	4	6	10	
		W20/405	36.25					30	6	36	
		W21/405	36.34					30	6	36	
R16/405	BEDROOM	W22/405	36.65	2.84	124.20	116.70	93.96%	N/A	N/A	N/A	
R17/405	BEDROOM	W23/405	36.84	3.01	127.20	124.00	97.48%	N/A	N/A	N/A	
R18/405	LD	W24/405	17.89	3.20	178.60	178.30	99.83%	N/A	N/A	N/A	
		W25/405	20.93					N/A	N/A	N/A	
R19/405	BEDROOM	W26/405	23.06	2.73	90.50	88.60	97.90%	N/A	N/A	N/A	
R20/405	BEDROOM	W27/405	29.32	2.59	127.70	114.90	89.98%	N/A	N/A	N/A	
R21/405	BEDROOM	W28/405	32.15	2.92	128.80	125.30	97.28%	N/A	N/A	N/A	
R22/405	LD	W29/405	18.22	4.04	239.20	238.40	99.67%	N/A	N/A	N/A	
		W30/405	39.20					N/A	N/A	N/A	
R23/405	KITCHEN	W31/405	39.04	3.90	93.90	91.40	97.34%	N/A	N/A	N/A	
<b>6th Floor</b>											
R1/406	KITCHEN	W1/406	39.10	4.11	88.10	85.70	97.28%	N/A	N/A	N/A	
R2/406	LD	W2/406	39.19	4.08	239.20	238.70	99.79%	8	0	8	
		W3/406	19.72					16	8	24	
R3/406	BEDROOM	W4/406	31.91	2.78	128.80	125.50	97.44%	27	7	34	
R4/406	BEDROOM	W5/406	28.90	2.46	127.70	115.10	90.13%	21	3	24	
R5/406	BEDROOM	W6/406	22.61	2.65	90.50	88.80	98.12%	13	0	13	
R6/406	LD	W7/406	21.16	3.62	163.20	163.00	99.88%	6	0	6	
		W8/406	19.76					21	5	26	
R7/406	BEDROOM	W9/406	38.38	2.89	137.50	134.40	97.75%	35	15	50	
R8/406	BEDROOM	W10/406	38.35	2.85	124.20	117.00	94.20%	35	15	50	
R9/406	LKD	W11/406	38.33	5.05	290.30	290.30	100.00%	35	15	50	
		W12/406	38.29					35	15	50	
R10/406	BEDROOM	W13/406	9.77					5	15	20	
R10/406	BEDROOM	W14/406	22.95	1.88	124.00	103.10	83.15%	36	16	52	
R11/406	BEDROOM	W15/406	20.83	2.03	89.40	66.40	74.27%	36	14	50	
R12/406	BEDROOM	W16/406	19.41	1.34	142.10	89.10	62.70%	37	12	49	
R13/406	LD	W17/406	0.72	0.30	177.80	93.30	52.47%	0	0	0	
R14/406	BEDROOM	W18/406	17.78	1.28	124.00	82.90	66.85%	36	10	46	
R15/406	LKD	W19/406	5.09	4.33	290.40	287.80	99.10%	4	7	11	
		W20/406	36.54					30	6	36	
		W21/406	36.62					30	6	36	
R16/406	BEDROOM	W22/406	36.90	2.85	124.20	116.70	93.96%	N/A	N/A	N/A	
R17/406	BEDROOM	W23/406	37.08	3.02	127.20	124.00	97.48%	N/A	N/A	N/A	



Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R18/406	LD	W24/406	17.93	3.20	178.60	178.30	99.83%	N/A	N/A	N/A	
		W25/406	21.96					N/A	N/A	N/A	
R19/406	BEDROOM	W26/406	23.08	2.73	90.50	88.60	97.90%	N/A	N/A	N/A	
R20/406	BEDROOM	W27/406	29.28	2.51	127.70	114.90	89.98%	N/A	N/A	N/A	
R21/406	BEDROOM	W28/406	31.86	2.81	128.80	125.30	97.28%	N/A	N/A	N/A	
R22/406	LD	W29/406	19.17	4.04	239.20	238.40	99.67%	N/A	N/A	N/A	
		W30/406	39.25					N/A	N/A	N/A	
R23/406	KITCHEN	W31/406	39.10	3.90	93.90	91.40	97.34%	N/A	N/A	N/A	
<b>7th Floor</b>											
R1/407	KITCHEN	W1/407	39.16	4.11	88.10	85.70	97.28%	N/A	N/A	N/A	
R2/407	LD	W2/407	39.26	4.11	239.20	238.70	99.79%	8	0	8	
		W3/407	19.05					14	9	23	
R3/407	BEDROOM	W4/407	33.59	2.92	128.80	125.50	97.44%	27	7	34	
R4/407	BEDROOM	W5/407	29.64	2.57	127.70	115.10	90.13%	21	3	24	
R5/407	BEDROOM	W6/407	23.01	2.76	90.50	88.80	98.12%	13	0	13	
R6/407	LD	W7/407	22.56	3.66	163.20	163.00	99.88%	6	0	6	
		W8/407	20.06					21	5	26	
R7/407	BEDROOM	W9/407	38.90	2.91	137.50	134.40	97.75%	35	15	50	
R8/407	BEDROOM	W10/407	38.90	2.87	124.20	117.00	94.20%	35	15	50	
R9/407	LKD	W11/407	38.91	5.20	290.30	290.30	100.00%	35	15	50	
		W12/407	38.93					35	15	50	
		W13/407	10.64					5	15	20	
R10/407	BEDROOM	W14/407	24.09	1.95	124.00	103.40	83.39%	36	17	53	
R11/407	BEDROOM	W15/407	21.90	2.12	89.40	66.40	74.27%	36	15	51	
R12/407	BEDROOM	W16/407	20.47	1.40	142.10	90.40	63.62%	37	12	49	
R13/407	LD	W17/407	0.83	0.30	177.80	94.60	53.21%	0	0	0	
R14/407	BEDROOM	W18/407	18.79	1.35	124.00	83.20	67.10%	37	10	47	
R15/407	LKD	W19/407	5.55	4.38	290.40	287.80	99.10%	4	8	12	
		W20/407	36.83					30	7	37	
		W21/407	36.91					30	7	37	
R16/407	BEDROOM	W22/407	37.16	2.86	124.20	116.70	93.96%	N/A	N/A	N/A	
R17/407	BEDROOM	W23/407	37.33	3.03	127.20	124.00	97.48%	N/A	N/A	N/A	
R18/407	LD	W24/407	17.98	3.20	178.60	178.30	99.83%	N/A	N/A	N/A	
		W25/407	23.35					N/A	N/A	N/A	
R19/407	BEDROOM	W26/407	23.10	2.73	90.50	88.60	97.90%	N/A	N/A	N/A	
R20/407	BEDROOM	W27/407	29.73	2.59	127.70	114.90	89.98%	N/A	N/A	N/A	
R21/407	BEDROOM	W28/407	33.29	2.93	128.80	125.30	97.28%	N/A	N/A	N/A	
R22/407	LD	W29/407	18.45	4.06	239.20	238.60	99.75%	N/A	N/A	N/A	
		W30/407	39.30					N/A	N/A	N/A	
R23/407	KITCHEN	W31/407	39.16	3.90	93.90	91.40	97.34%	N/A	N/A	N/A	
<b>8th Floor</b>											
R1/408	KITCHEN	W1/408	39.22	4.11	88.10	85.70	97.28%	N/A	N/A	N/A	
R2/408	LD	W2/408	39.33	5.49	239.20	238.70	99.79%	8	0	8	
		W3/408	37.34					31	9	40	
R3/408	BEDROOM	W4/408	34.71	2.87	128.80	125.50	97.44%	27	7	34	
R4/408	BEDROOM	W5/408	29.92	2.52	127.70	115.10	90.13%	22	3	25	
R5/408	BEDROOM	W6/408	23.22	2.73	90.50	88.80	98.12%	13	0	13	
R6/408	LD	W7/408	25.05	3.51	163.20	163.00	99.88%	6	0	6	
		W8/408	19.74					21	5	26	
R7/408	BEDROOM	W9/408	39.19	2.93	137.50	134.40	97.75%	35	15	50	
R8/408	BEDROOM	W10/408	39.19	2.89	124.20	117.00	94.20%	35	15	50	
R9/408	LKD	W11/408	39.20	5.12	290.30	290.30	100.00%	35	15	50	
		W12/408	39.22					35	15	50	
		W13/408	10.24					1	15	16	
R10/408	BEDROOM	W14/408	24.60	1.97	123.70	103.30	83.51%	36	17	53	
R11/408	BEDROOM	W15/408	22.47	2.14	89.40	66.40	74.27%	37	15	52	
R12/408	BEDROOM	W16/408	21.09	1.42	142.10	90.80	63.90%	38	12	50	
R13/408	LD	W17/408	0.81	0.29	177.80	94.70	53.26%	0	0	0	
R14/408	BEDROOM	W18/408	19.70	1.41	124.00	84.10	67.82%	37	10	47	
R15/408	LKD	W19/408	5.47	4.35	290.40	287.80	99.10%	3	8	11	
		W20/408	37.13					30	7	37	
		W21/408	37.19					30	7	37	
R16/408	BEDROOM	W22/408	37.42	2.87	124.20	116.70	93.96%	N/A	N/A	N/A	
R17/408	BEDROOM	W23/408	37.57	3.04	127.20	124.00	97.48%	N/A	N/A	N/A	
R18/408	LD	W24/408	17.19	3.03	178.60	178.30	99.83%	N/A	N/A	N/A	
		W25/408	26.01					N/A	N/A	N/A	

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF		Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R19/408	BEDROOM	W26/408	23.11	2.73	90.50	88.60	97.90%	N/A	N/A	N/A	
R20/408	BEDROOM	W27/408	29.73	2.49	127.70	114.90	89.98%	N/A	N/A	N/A	
R21/408	BEDROOM	W28/408	34.20	2.84	128.80	125.30	97.28%	N/A	N/A	N/A	
R22/408	LD	W29/408	36.43	5.36	239.20	238.60	99.75%	N/A	N/A	N/A	
		W30/408	39.36					N/A	N/A	N/A	
R23/408	KITCHEN	W31/408	39.22	3.90	93.90	91.40	97.34%	N/A	N/A	N/A	
<b>9th Floor</b>											
R1/409	LKD	W1/409	39.49	5.27	250.20	250.20	100.00%	8	0	8	
		W2/409	36.02					5	0	5	
		W3/409	19.90					21	5	26	
R2/409	BEDROOM	W4/409	39.48	2.93	137.50	134.60	97.89%	35	15	50	
R3/409	BEDROOM	W5/409	39.48	2.91	124.20	116.30	93.64%	35	15	50	
R4/409	LKD	W6/409	39.48	5.22	290.30	290.30	100.00%	35	15	50	
		W7/409	39.48					35	15	50	
		W8/409	10.92					6	15	21	
R5/409	BEDROOM	W9/409	25.59	2.08	124.00	104.50	84.27%	41	17	58	
R6/409	BEDROOM	W10/409	23.52	2.28	89.40	67.80	75.84%	42	16	58	
R7/409	BEDROOM	W11/409	22.02	1.96	142.10	113.90	80.15%	42	13	55	
		W12/409	2.78					4	1	5	
R8/409	LD	W13/409	1.20	0.36	182.00	102.90	56.54%	0	0	0	
R9/409	BEDROOM	W14/409	20.91	1.59	124.00	89.20	71.94%	43	11	54	
		W15/409	6.56					5	9	14	
R10/409	LKD	W16/409	37.47	4.44	290.40	288.40	99.31%	30	8	38	
		W17/409	37.54					30	8	38	
		W18/409	37.74					30	8	38	
R11/409	BEDROOM	W18/409	37.74	2.88	124.20	116.60	93.88%	N/A	N/A	N/A	
R12/409	BEDROOM	W19/409	37.88	3.04	127.20	124.30	97.72%	N/A	N/A	N/A	
R13/409	LKD	W20/409	17.33	5.07	250.50	250.50	100.00%	N/A	N/A	N/A	
		W21/409	36.66					N/A	N/A	N/A	
		W22/409	39.49					N/A	N/A	N/A	
<b>10th Floor</b>											
R1/410	LKD	W1/410	39.31	5.33	250.20	250.20	100.00%	8	0	8	
		W2/410	39.43					8	0	8	
		W3/410	19.91					21	5	26	
R2/410	BEDROOM	W4/410	39.43	2.93	137.50	134.60	97.89%	35	15	50	
R3/410	BEDROOM	W5/410	39.43	2.91	124.20	116.30	93.64%	35	15	50	
R4/410	LKD	W6/410	39.43	5.23	290.30	290.30	100.00%	35	15	50	
		W7/410	39.43					35	15	50	
		W8/410	10.98					6	15	21	
R5/410	BEDROOM	W9/410	26.10	2.12	124.00	104.50	84.27%	41	17	58	
R6/410	BEDROOM	W10/410	24.12	2.33	89.40	67.80	75.84%	42	16	58	
R7/410	BEDROOM	W11/410	22.72	2.02	142.10	114.80	80.79%	42	13	55	
		W12/410	3.05					4	1	5	
R8/410	LD	W13/410	1.30	0.37	183.10	103.40	56.47%	0	0	0	
R9/410	BEDROOM	W14/410	21.78	1.66	124.00	89.20	71.94%	43	11	54	
		W15/410	6.96					5	9	14	
R10/410	LKD	W16/410	37.71	4.48	290.40	288.40	99.31%	30	8	38	
		W17/410	37.78					30	8	38	
		W18/410	37.94					30	8	38	
R11/410	BEDROOM	W18/410	37.94	2.88	124.20	116.60	93.88%	N/A	N/A	N/A	
R12/410	BEDROOM	W19/410	38.06	3.05	127.20	124.30	97.72%	N/A	N/A	N/A	
R13/410	LKD	W20/410	17.36	5.12	250.50	250.50	100.00%	N/A	N/A	N/A	
		W21/410	39.43					N/A	N/A	N/A	
		W22/410	39.32					N/A	N/A	N/A	
<b>11th Floor</b>											
R1/411	LKD	W1/411	39.49	5.33	250.20	250.20	100.00%	8	0	8	
		W2/411	39.49					8	0	8	
		W3/411	19.91					21	5	26	
R2/411	BEDROOM	W4/411	39.49	2.93	137.50	134.60	97.89%	35	15	50	
R3/411	BEDROOM	W5/411	39.49	2.91	124.20	116.30	93.64%	35	15	50	
R4/411	LKD	W6/411	39.49	5.23	290.30	290.30	100.00%	35	15	50	
		W7/411	39.49					35	15	50	
		W8/411	11.04					6	15	21	
R5/411	BEDROOM	W9/411	26.88	2.18	124.00	104.50	84.27%	45	17	62	
R6/411	BEDROOM	W10/411	25.00	2.42	89.40	67.80	75.84%	45	17	62	
R7/411	BEDROOM	W11/411	23.66	2.11	142.10	117.90	82.97%	45	14	59	
		W12/411	3.33					4	2	6	
R8/411	LD	W13/411	1.40	0.40	183.10	103.50	56.53%	0	0	0	

Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total	
R9/411	BEDROOM	W14/411	22.93	1.77	124.00	89.20	71.94%	45	12	57	
		W15/411	7.36					5	10	15	
		W16/411	38.07					30	9	39	
R10/411	LKD	W17/411	38.12	30	9	39					
R11/411	BEDROOM	W18/411	38.26	2.89	124.20	116.60	93.88%	N/A	N/A	N/A	
R12/411	BEDROOM	W19/411	38.36	3.06	127.20	124.30	97.72%	N/A	N/A	N/A	
R13/411	LKD	W20/411	17.39	5.12	250.50	250.50	100.00%	N/A	N/A	N/A	
		W21/411	39.49					N/A	N/A	N/A	
		W22/411	39.49					N/A	N/A	N/A	
<b>12th Floor</b>											
R1/412	LKD	W1/412	39.31	5.33	250.20	250.20	100.00%	8	0	8	
		W2/412	39.43					8	0	8	
		W3/412	19.91					21	5	26	
R2/412	BEDROOM	W4/412	39.43	2.93	137.50	134.60	97.89%	35	15	50	
R3/412	BEDROOM	W5/412	39.43	2.91	124.20	116.30	93.64%	35	15	50	
R4/412	LKD	W6/412	39.43	5.24	290.30	290.30	100.00%	35	15	50	
		W7/412	39.43					35	15	50	
		W8/412	11.14					6	15	21	
R5/412	BEDROOM	W9/412	27.68	2.25	124.00	104.50	84.27%	49	17	66	
R6/412	BEDROOM	W10/412	25.91	2.53	89.40	68.00	76.06%	48	17	65	
R7/412	BEDROOM	W11/412	24.66	2.21	142.10	122.10	85.93%	47	14	61	
		W12/412	3.61					4	2	6	
R8/412	LD	W13/412	1.50	0.43	183.10	103.50	56.53%	0	0	0	
R9/412	BEDROOM	W14/412	24.12	1.89	124.00	89.30	72.02%	48	12	60	
R10/412	LKD	W15/412	7.80	4.64	290.40	288.40	99.31%	5	10	15	
		W16/412	38.31					30	10	40	
		W17/412	38.35					30	11	41	
R11/412	BEDROOM	W18/412	38.46	2.90	124.20	116.60	93.88%	N/A	N/A	N/A	
R12/412	BEDROOM	W19/412	38.54	3.06	127.20	124.30	97.72%	N/A	N/A	N/A	
R13/412	LKD	W20/412	17.42	5.12	250.50	250.50	100.00%	N/A	N/A	N/A	
		W21/412	39.43					N/A	N/A	N/A	
		W22/412	39.32					N/A	N/A	N/A	
<b>13th Floor</b>											
R1/413	LKD	W1/413	39.49	5.33	250.20	250.20	100.00%	8	0	8	
		W2/413	39.49					8	0	8	
		W3/413	19.91					21	5	26	
R2/413	BEDROOM	W4/413	39.49	2.93	137.50	134.60	97.89%	35	15	50	
R3/413	BEDROOM	W5/413	39.49	2.91	124.20	116.30	93.64%	35	15	50	
R4/413	LKD	W6/413	39.49	5.26	290.30	290.30	100.00%	35	15	50	
		W7/413	39.49					35	15	50	
		W8/413	11.32					6	15	21	
R5/413	BEDROOM	W9/413	28.80	2.34	124.00	104.80	84.52%	49	17	66	
R6/413	BEDROOM	W10/413	27.18	2.66	89.40	68.80	76.96%	49	17	66	
R7/413	BEDROOM	W11/413	26.02	2.33	142.10	122.90	86.49%	49	15	64	
		W12/413	3.96					5	3	8	
R8/413	LD	W13/413	1.58	0.46	183.10	104.20	56.91%	0	0	0	
R9/413	BEDROOM	W14/413	25.64	2.02	124.00	90.20	72.74%	49	13	62	
R10/413	LKD	W15/413	8.26	4.74	290.40	288.40	99.31%	6	11	17	
		W16/413	38.65					30	11	41	
		W17/413	38.68					30	11	41	
R11/413	BEDROOM	W18/413	38.76	2.91	124.20	116.60	93.88%	N/A	N/A	N/A	
R12/413	BEDROOM	W19/413	38.83	3.07	127.20	124.30	97.72%	N/A	N/A	N/A	
R13/413	LKD	W20/413	17.44	5.12	250.50	250.50	100.00%	N/A	N/A	N/A	
		W21/413	39.49					N/A	N/A	N/A	
		W22/413	39.49					N/A	N/A	N/A	
<b>14th Floor</b>											
R1/414	LKD	W1/414	39.31	5.33	250.20	250.20	100.00%	8	0	8	
		W2/414	39.43					8	0	8	
		W3/414	19.91					21	5	26	
R2/414	BEDROOM	W4/414	39.43	2.93	137.50	134.60	97.89%	35	15	50	
R3/414	BEDROOM	W5/414	39.43	2.91	124.20	116.30	93.64%	35	15	50	
R4/414	LKD	W6/414	39.43	5.28	290.30	290.30	100.00%	35	15	50	
		W7/414	39.43					35	15	50	
		W8/414	12.39					8	15	23	
R5/414	BEDROOM	W9/414	30.00	2.44	124.00	106.30	85.73%	53	17	70	
R6/414	BEDROOM	W10/414	28.55	2.82	89.40	70.20	78.52%	53	17	70	

Room/Floor	Room Use	Window	Daylight Distribution					%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total
R7/414	BEDROOM	W11/414	27.51	2.46	142.10	122.90	86.49%	53	16	69
		W12/414	4.31					6	3	9
R8/414	LD	W13/414	1.69	0.54	183.10	105.00	57.35%	0	1	1
R9/414	BEDROOM	W14/414	27.27	2.18	124.00	90.70	73.15%	53	14	67
R10/414	LKD	W15/414	9.78	4.84	290.40	288.40	99.31%	8	12	20
		W16/414	38.84					30	11	41
		W17/414	38.86					30	11	41
R11/414	BEDROOM	W18/414	38.92	2.91	124.20	116.60	93.88%	N/A	N/A	N/A
R12/414	BEDROOM	W19/414	38.96	3.07	127.20	124.30	97.72%	N/A	N/A	N/A
R13/414	LKD	W20/414	17.46	5.12	250.50	250.50	100.00%	N/A	N/A	N/A
		W21/414	39.43					N/A	N/A	N/A
		W22/414	39.32					N/A	N/A	N/A
<b>15th Floor</b>										
R1/415	LKD	W1/415	39.31	5.33	250.20	250.20	100.00%	8	0	8
		W2/415	39.43					8	0	8
		W3/415	19.91					21	5	26
R2/415	BEDROOM	W4/415	39.43	2.93	137.50	134.60	97.89%	35	15	50
R3/415	BEDROOM	W5/415	39.43	2.91	124.20	116.30	93.64%	35	15	50
R4/415	LKD	W6/415	39.43	5.32	290.30	290.30	100.00%	35	15	50
		W7/415	39.43					35	15	50
		W8/415	13.64					8	17	25
R5/415	BEDROOM	W9/415	31.48	2.57	124.00	109.50	88.31%	53	19	72
R6/415	BEDROOM	W10/415	30.24	3.00	89.40	73.60	82.33%	53	19	72
R7/415	BEDROOM	W11/415	29.34	2.60	142.10	121.10	85.22%	53	18	71
		W12/415	4.60					6	5	11
R8/415	LD	W13/415	2.98	0.63	183.10	101.50	55.43%	0	4	4
R9/415	BEDROOM	W14/415	29.21	2.35	124.00	93.50	75.40%	53	18	71
R10/415	LKD	W15/415	11.51	4.93	290.40	288.40	99.31%	8	17	25
		W16/415	39.01					30	12	42
		W17/415	39.02					30	12	42
R11/415	BEDROOM	W18/415	39.06	2.91	124.20	116.60	93.88%	N/A	N/A	N/A
R12/415	BEDROOM	W19/415	39.10	3.07	127.20	124.30	97.72%	N/A	N/A	N/A
R13/415	LKD	W20/415	17.46	5.12	250.50	250.50	100.00%	N/A	N/A	N/A
		W21/415	39.43					N/A	N/A	N/A
		W22/415	39.32					N/A	N/A	N/A
<b>16th Floor</b>										
R1/416	LKD	W1/416	39.31	5.33	250.20	250.20	100.00%	8	0	8
		W2/416	39.43					8	0	8
		W3/416	19.91					21	5	26
R2/416	BEDROOM	W4/416	39.43	2.93	137.50	134.60	97.89%	35	15	50
R3/416	BEDROOM	W5/416	39.43	2.91	124.20	116.30	93.64%	35	15	50
R4/416	LKD	W6/416	39.43	5.37	290.30	290.30	100.00%	35	15	50
		W7/416	39.43					35	15	50
		W8/416	15.03					8	20	28
R5/416	BEDROOM	W9/416	33.20	2.71	124.00	115.20	92.90%	53	23	76
R6/416	BEDROOM	W10/416	32.22	3.21	89.40	81.70	91.39%	53	23	76
R7/416	BEDROOM	W11/416	31.52	2.76	142.10	121.40	85.43%	53	22	75
		W12/416	4.90					6	7	13
R8/416	LD	W13/416	4.93	0.73	183.10	106.50	58.16%	0	7	7
R9/416	BEDROOM	W14/416	31.47	2.55	124.00	103.70	83.63%	53	22	75
R10/416	LKD	W15/416	13.44	5.03	290.40	288.40	99.31%	8	18	26
		W16/416	39.16					30	12	42
		W17/416	39.17					30	12	42
R11/416	BEDROOM	W18/416	39.20	2.91	124.20	116.60	93.88%	N/A	N/A	N/A
R12/416	BEDROOM	W19/416	39.22	3.07	127.20	124.30	97.72%	N/A	N/A	N/A
R13/416	LKD	W20/416	17.46	5.12	250.50	250.50	100.00%	N/A	N/A	N/A
		W21/416	39.43					N/A	N/A	N/A
		W22/416	39.32					N/A	N/A	N/A
<b>17th Floor</b>										
R1/417	LKD	W1/417	39.31	5.33	250.20	250.20	100.00%	8	0	8
		W2/417	39.43					8	0	8
		W3/417	19.91					21	5	26
R2/417	BEDROOM	W4/417	39.43	2.93	137.50	134.60	97.89%	35	15	50
R3/417	BEDROOM	W5/417	39.43	2.91	124.20	116.30	93.64%	35	15	50

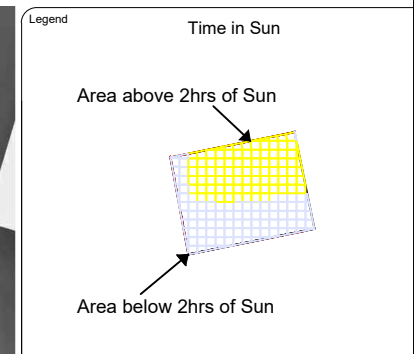
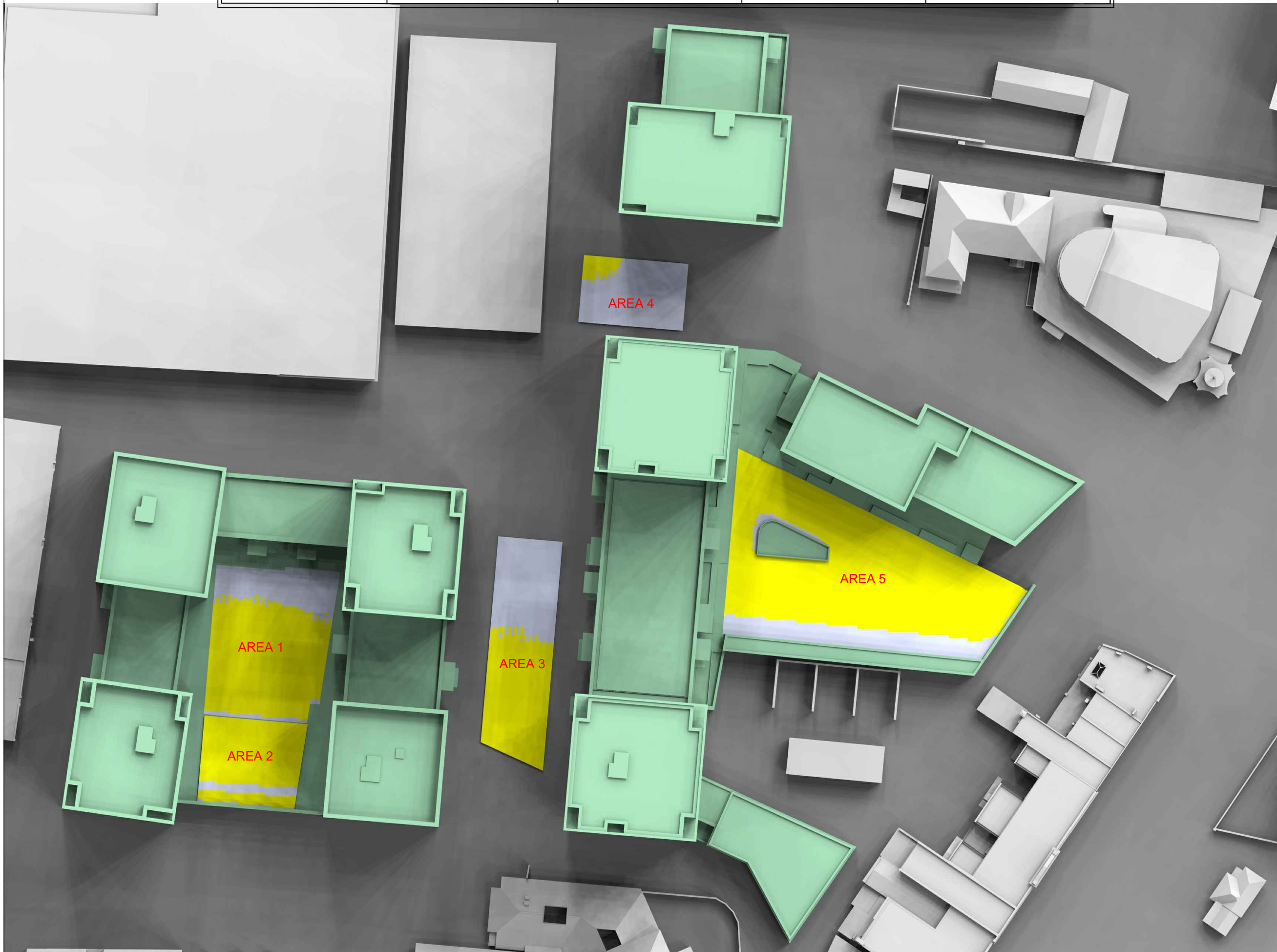
Room/Floor	Room Use	Window				Daylight Distribution			%Sun		
			%VSC	%ADF	Room Area sq ft	Proposed Area sq ft	Proposed % of Room Area	Summer	Winter	Total	
R4/417	LKD	W6/417	39.43	5.57	290.30	290.30	100.00%	35	15	50	
		W7/417	39.43					35	15	50	
		W8/417	16.51					8	22	30	
R5/417	BEDROOM	W9/417	35.10	2.87	124.00	120.20	96.94%	53	25	78	
R6/417	BEDROOM	W10/417	34.42	3.43	89.40	88.50	98.99%	53	25	78	
R7/417	BEDROOM	W11/417	33.95	2.93	142.10	132.10	92.96%	53	26	79	
		W12/417	5.21					6	7	13	
R8/417	LD	W13/417	7.05	1.18	183.10	132.50	72.36%	0	11	11	
R9/417	BEDROOM	W14/417	33.97	2.76	124.00	120.20	96.94%	53	24	77	
R10/417	LKD	W15/417	15.51	5.37	290.40	289.60	99.72%	8	21	29	
		W16/417	39.31					30	12	42	
		W17/417	39.32					30	12	42	
R11/417	BEDROOM	W18/417	39.34	2.91	124.20	116.60	93.88%	N/A	N/A	N/A	
R12/417	BEDROOM	W19/417	39.35	3.07	127.20	124.30	97.72%	N/A	N/A	N/A	
R13/417	LKD	W20/417	17.46	5.12	250.50	250.50	100.00%	N/A	N/A	N/A	
		W21/417	39.43					N/A	N/A	N/A	
		W22/417	39.32					N/A	N/A	N/A	
<b>18th Floor</b>											
R1/418	LKD	W1/418	39.36	6.18	250.20	250.20	100.00%	8	0	8	
		W2/418	39.42					8	0	8	
		W3/418	27.10					28	5	33	
R2/418	BEDROOM	W4/418	39.42	2.93	137.50	134.60	97.89%	35	15	50	
R3/418	BEDROOM	W5/418	39.42	2.91	124.20	116.30	93.64%	35	15	50	
R4/418	LKD	W6/418	39.42	6.83	290.30	290.30	100.00%	35	15	50	
		W7/418	39.42					35	15	50	
		W8/418	26.72					27	25	52	
R5/418	BEDROOM	W9/418	37.04	3.03	124.00	120.20	96.94%	53	29	82	
R6/418	BEDROOM	W10/418	36.68	3.66	89.40	88.50	98.99%	53	29	82	
R7/418	BEDROOM	W11/418	36.44	3.10	142.10	139.10	97.89%	53	29	82	
		W12/418	5.33					4	7	11	
R8/418	LD	W13/418	8.91	1.64	183.10	173.60	94.81%	0	15	15	
R9/418	BEDROOM	W14/418	36.51	2.97	124.00	120.20	96.94%	53	30	83	
R10/418	LKD	W15/418	26.28	6.76	290.40	290.40	100.00%	25	24	49	
		W16/418	39.42					30	12	42	
		W17/418	39.42					30	12	42	
R11/418	BEDROOM	W18/418	39.42	2.91	124.20	116.60	93.88%	N/A	N/A	N/A	
R12/418	BEDROOM	W19/418	39.42	3.07	127.20	124.30	97.72%	N/A	N/A	N/A	
R13/418	LKD	W20/418	26.00	5.97	250.50	250.50	100.00%	N/A	N/A	N/A	
		W21/418	39.42					N/A	N/A	N/A	
		W22/418	39.36					N/A	N/A	N/A	

ADF	Target Value	No. Rooms	No. meeting Target	% meeting Target
BEDROOM	1	937	891	95.09%
DINING	1.5	12	11	91.67%
KITCHEN	2	16	16	100.00%
LD	1.5	144	77	53.47%
KD	2	33	5	15.15%
STUDY	1.5	0	0	0.00%
STUDIO	1.5	0	0	0.00%
LKD	2	365	341	93.42%
Livingroom	1.5	45	38	84.44%
<b>TOTALS</b>		<b>1552</b>	<b>1379</b>	<b>88.85%</b>

Appendix V  
Sun Hours on Ground Drawing  
(BRE/184)



AREA 1	AREA 2	AREA 3	AREA 4	AREA 5
Total Area - 468.79 Sq m	Total Area - 8231.84 Sq m	Total Area - 372.43 Sq m	Total Area - 185.90 Sq m	Total Area - 1033.35 Sq m
< 2 hours - 28.46%	< 2 hours - 12.24%	< 2 hours - 44.28%	< 2 hours - 89.45%	< 2 hours - 19.79%
> 2 hours - 71.54%	> 2 hours - 87.76%	> 2 hours - 55.72%	> 2 hours - 10.55%	> 2 hours - 80.21%



Sources of Information

**EXISTING BUILDING**  
 INFO RECEIVED 19 FEBRUARY 2019 MBS SURVEY  
 MBS19\_950 The Green, Southall

**SURROUNDING BUILDINGS**  
 INFO RECEIVED 19.02.2019 MBS SURVEY  
 MBS19\_950 The Green, Southall  
 Consented Scheme  
 42. Southall Working Mens Club 166501FUL

**PROPOSED BUILDING**  
 INFO RECEIVED 09 MAR 2021 HUNTERS FINAL PLANNING SCHEME  
 Architects dwgs



08449 02 03 04  
 65 Gresham Street, London, EC2V 7NQ  
 www.gva.co.uk

Project Name  
 THE GREEN SOUTHALL

Client  
 PEABODY

Drawing Title  
 TIME IN SUN 21st MARCH 06.00-18.00  
 OUTSIDE AMENITY SPACES

Drawn By CC	Chk'd By -	Scale @ A3 -	Date 30 MAR 2021
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Project No. GR221_22	Drawing No. BRE_184	Revision
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# Contact Details

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