

# **Appendix: Daylight, Sunlight, Overshadowing, Solar Glare and Light Pollution**

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# Appendix: Daylight, Sunlight, Overshadowing, Solar Glare and Light Pollution

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## Legislation and Planning Policy Context

1.1 The following sections of this ES Chapter annex provide a review of relevant legislation, guidance and national, regional and local planning policy in terms of daylight, sunlight and overshadowing.

### National Legislation

1.2 There is no relevant legislation for daylight, sunlight and overshadowing.

### National Planning Policy

#### National Planning Policy Framework (2021)

1.3 The National Planning Policy Framework<sup>1</sup>, updated in 2021, stipulates that:

*“... planning policies and decisions should ensure that developments ... create places that are safe, inclusive and accessible and which promote health and well-being, with a high standard of amenity for existing and future users.”*

1.4 Paragraph 123, part C stipulates that:

*“...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).”*

### Regional Planning Policy

#### The London Plan 2021<sup>2</sup>

1.5 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.’

1.6 Policy D9 Tall buildings states that:

- ‘...development proposals should address the following impacts: ...buildings should not cause adverse reflected glare [and] ...buildings should be designed to minimise light pollution from internal and external lighting.’ It continues that “wind, daylight, sunlight penetration and temperature conditions around the building(s) and neighbourhood must be carefully considered and not compromise comfort and the enjoyment of open spaces, including water spaces, around the building.’

#### The Mayor’s Housing Supplementary Planning Guidance (SPG) (March 2016)

1.7 The SPG<sup>3</sup> draws on the London Plan, primarily policy 7.6Bd, and provides further guidance on standards to daylight, and overshadowing. The guidance states that:

*“...an appropriate degree of flexibility needs to be applied when using BRE guidelines to assess the daylight and sunlight impacts of new development on surrounding properties, as well as within new developments themselves... Guidelines should be applied sensitively to higher density development...where BRE advice suggests considering the use of alternative targets’ taking in to account the ‘local circumstances; the need to optimise housing capacity; and scope for character and form of an area to change over time.”*

1.8 Standard 32 states that:

*“All homes should provide for direct sunlight to enter at least one habitable room for part of the day. Living areas and kitchen dining spaces should preferably receive direct sunlight.”*

1.9 It is also states that:

1.10 *“Natural light is also vital to a sense of wellbeing in the home, and this may be restricted in densely developed parts of the city”. The Mayor seeks to encourage housing that provides “comfortable and enjoyable places of retreat and privacy” and factors to be considered include daylight and sunlight.*

### Local Planning Policy

#### Draft New Southwark Plan 2019

1.11 The Draft New Southwark Plan was submitted for examination on 16th January 2020, with the Examination in Public expected to take place later in 2020. As the Examination in Public has not yet been undertaken only moderate weight should be given to these policies. Therefore, the Draft New Southwark Plan 2019 is taken into consideration alongside the current local plan, which is made up of the Southwark Plan Policies (2007) and Core Strategy (2011).

1.12 Policy P9: Optimising the delivery of new homes stipulates that:

*‘Development must achieve an exemplary standard of residential design. To achieve this the proposal must take into consideration the site context, the impact on the amenity of adjoining occupiers, and the quality of accommodation...’*

1.13 In relation to daylight, sunlight and overshadowing, the policy continues that new homes must:

*‘Have regard for current guidance to provide acceptable levels of natural daylight, to habitable rooms and a window providing an aspect in all habitable rooms except in loft space where a roof light may be acceptable.’*

1.14 Policy P14 Tall Buildings stipulates that new tall buildings must:

*‘Avoid harmful and uncomfortable environmental impacts including wind shear, overshadowing and solar glare.’*

#### The Southwark Plan (2007)

1.15 Policy 4.2 Quality of Residential Accommodation states:

*‘Planning permission will be granted for residential development, including dwellings within mixed use schemes, provided that they...include high standards of...natural daylight and sunlight...’*

#### Southwark Local Development Framework, Core Strategy (April 2011)

1.16 Strategic Policy 12 Design and Conservation states that:

*‘Development will achieve the highest possible standards of design for buildings and public spaces to help create attractive and distinctive places which are ... a pleasure to be in.’*

### Other Relevant Policy, Standards and Guidance

<sup>1</sup> Department for Communities and Local Government (DCLG), National Planning Policy Framework, 2021 update.

<sup>2</sup> Greater London Authority (GLA), 2021; The London Plan, 2021.

<sup>3</sup> GLA, 2016, Housing Supplementary Guidance, 2016.

*Historic England Guidance on Tall Buildings – Historic England Advice Note 4 (2015)*

**1.17** Paragraph 4.10 of the Historic England Advice Note 4 recommends that the following should be addressed in relation to tall buildings:

*“consideration of the impact on the local environment, including microclimate, overshadowing, night-time appearance, vehicle movements and the environment and amenity of those in the vicinity of the building”.*

*Building Research Establishment (BRE) Guidelines: Site Layout Planning for Daylight and Sunlight 2011, A Guide to Good Practice, Second Edition (2011)*

**1.18** The Building Research Establishment (BRE) Guidelines ‘*Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice 2011, 2nd edition*’ (released October 2011)<sup>5</sup> (‘BRE Guidelines’) provides advice on site layout planning to achieve good sunlighting and daylighting within buildings, and in the open spaces between them. The BRE Guidelines are intended for use by building designers, developers, consultants and Local Planning Authorities (LPAs). The advice presented in the BRE Guidelines is not mandatory and should not be used as an instrument of planning policy, the Guidelines state:

*“This guide is a comprehensive revision of the 1991 edition of Site Layout Planning for Daylight and Sunlight: A Guide to Good Practice. It is purely advisory and the numerical target values within it may be varied to meet the needs of the development and its location.”*

**1.19** The BRE Guidelines also state:

*“The advice given here is not mandatory and the guide should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer. In special circumstances the developer or planning authority may wish to use different target values... in an area with modern high-rise buildings, a higher degree of obstruction maybe unavoidable if new developments are to match the height and proportions of existing building” (para.1.6).*

*Commission Internationale de L’Eclairage (CIE) 146:2002 & CIE 147:2002 Collection on glare (2002)*

**1.20** The CIE 146:2002 Collection on glare states:

*‘Disability glare is glare that impairs vision (CIE, 1987). It is caused by scattering of light inside the eye [...]. The veiling luminance of scattered light will have a significant effect on visibility when intense light sources are present in the peripheral visual field and the contrast of objects to be seen is low.’*

*‘Disability glare is most often of importance at night when contrast sensitivity is low and there may well be one or more bright light sources near to the line of sight, such as car headlights, streetlights or floodlights. But even in day-light conditions disability glare may be of practical significance: think of traffic lights when the sun is close to them, or the difficulty viewing paintings hang-ing next to windows.’*

*Institute of Lighting Professionals (ILP) Guidance Notes for the Reduction of Obtrusive Light GN01:2011 (2011)*

**1.21** The ILP document entitled ‘Guidance Notes for the Reduction of Obtrusive Light’ provides quantitative criteria for acceptable levels of light pollution and distinguishes between rural and dense urban areas.

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<sup>5</sup> Building Research Establishment (BRE) Guidelines: Site Layout Planning for Daylight and Sunlight 2011, A Guide to Good Practice, Second Edition, 2011

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## Methodology

The following methodologies are used to assess the daylight and sunlight effects on the sensitive receptors of surrounding properties when the Proposed Development is completed. Details can be found in Appendix 2:

### Daylight

- Vertical Sky Component (VSC); and
- No Sky Line (NSL) Method;

In terms of daylight, both VSC and NSL should be seen as complementary assessments. However, it should also be noted that VSC is the measure of daylight hitting a window, whereas NSL assessed the proportion of a room in which the sky can be seen from a working plane.

### Sunlight

- Annual Probable Sunlight Hours (APSH).

In terms of sunlight, only rooms facing south are assessed for APSH as north facing rooms will not receive direct sunlight.

For sunlight, in the baseline both total APSH and winter PSH are assessed in combination. However, for the assessment of the Proposed Development and Cumulative Scenario the total APSH and winter PSH are reported separately, to provide a more detailed assessment. The APSH and winter PSH have different BRE criteria as seen in 0.

The methodologies used for assessing the overshadowing effects on external amenity areas are as follows:

### Overshadowing:

- Transient Overshadowing; and
- Sun Hours on Ground.

Both transient overshadowing and Sun Hours on ground assessments were undertaken to determine the extent of overshadowing on surrounding amenity areas. Transient overshadowing is initially used to determine which amenity areas should be included within the Sun Hours on ground assessment. For large and not easily quantifiable areas such as the Rivers or parks transient overshadowing is used as the main assessment. For all other amenity areas with distinct boundaries such as private gardens, Sun Hours on ground can be used to determine whether BRE Guidelines are met. Details on the methodology for these assessments can be found in Appendix XX.

For daylight, sunlight and overshadowing, BRE Criteria summarised in Table 11.1 are used as guidance. Should the criteria in Table 11.1 be met, the assessed receptor is considered to receive an acceptable level of either daylight or sunlight.

### Summary of BRE criteria

Issue	2011 BRE Criteria
<b>Vertical Sky Component (daylight)</b>	A window may be adversely affected if the VSC measured at the centre of the window is less than 27% and less than 0.8 times its former value.

Issue	2011 BRE Criteria
<b>No Sky Line (daylight)</b>	A room may be adversely affected if the daylight distribution (no sky line) is reduced beyond 0.8 times its existing area.
<b>Annual Probable Sunlight Hours (sunlight)</b>	A window may be adversely affected if a point at the centre of the window receives for the whole year, less than 25% of the APSH including at least 5% of the PSH during the winter months (21 September to 21 March) and less than 0.8 times its former sunlight hours during either period, and (for existing neighbouring buildings), if there is a reduction in total APSH which is greater than 4%.
<b>Sun on Ground (overshadowing)</b>	An area of amenity space or garden may be adversely affected if less than half (50%) of the area is prevented by buildings from receiving two hours of sunlight on the 21st March and the area which can receive some sun on the 21st March is less than 0.8 times its former value.

### Light Pollution

Light pollution is defined as any light emitting from artificial sources into spaces where it is unwanted, such as spillage of light from office or commercial buildings onto residential accommodation, where this would cause nuisance to the occupants. The ILP Guidance Notes provide suggested lighting level values to ascertain the acceptability of lighting levels of light pollution.

It should be noted that artificial light is not always perceived as being negative, particularly in areas of high crime where good street lighting and light into street environments is seen as a positive attribute. Adverse effects caused as a result of electric lighting include the intrusion of light into sensitive locations such as adjacent residential accommodation, areas of special night-time interest, or needless spillage into the night sky.

It should also be noted that the ILP Guidance relates and refers to external luminaires. However, commercial buildings with large areas of glazing and possible night-time usage can sometimes cause light intrusion from their internal luminaires. For this reason, quantitative light pollution assessments can be undertaken in relation to these internal luminaires.

Potential light pollution effects of a new development are typically assessed in relation to four specific criteria:

Sky Glow is the brightening of the night sky over our towns, cities and countryside. It can be quantified by measuring the Upward Light Ratio (ULR), which is the maximum permitted percentage (%) of luminaire flux for the total installation that goes directly into the sky;

- Light Intrusion is the spilling of light beyond the boundary of a proposed development. It is assessed as vertical illuminance in lux (Ev) measured flat at the centre of the sensitive receptor;
- Luminaire Intensity is the uncomfortable brightness of a light source when viewed against a dark background. It is applied to each source visible from a sensitive receptor and is measured as source intensity (I) (kcd); and
- Building Luminance which can cause an increase in the brightness of a general area and is measured in cd per metre squared (L) as an average over the building facade caused only by external lighting.

#### Light Intrusion Methodology

Light pollution is not a comparative assessment; the fact it may occur in the baseline does not necessarily justify its occurrence as a result of the proposed Development. Therefore, the assessment considers the effect of the proposed Development in absolute terms, by reference to the relevant guidance levels.

The assessment has been undertaken by preparing a computer generated 3D model of the Proposed Development and using specialist lighting simulation software. The light fittings used for this lighting simulation represent typical recessed office luminaires regularly spaced on the proposed office ceilings within the proposed commercial building in order to achieve an average illuminance of 500 lux across the working plane. This assessment assumes that all luminaires are switched on at once and no blinds or shading devices are deployed for the purpose of the light pollution assessment. For this reason, it should be considered a worst-case scenario.

Table 3 below sets out the environmental zones as per the ILP Guidance which have been applied in this assessment.

Environmental Zone	Sky Glow ULR (Max %) (1)	Light Intrusion (into windows) Ev (Lux) (2)		Luminaire Intensity (candelas) (3)		Building Luminance Pre-curfew (4)
		Pre-curfew	Post-curfew	Pre-curfew	Post-curfew	Average L[cd/m2]
E0 – Dark areas (e.g. UNESCO Starlight Reserves, IDA Dark Sky Parks)	0	0	0	0	0	0
E1- Intrinsically dark areas (e.g. National Parks, areas of outstanding natural beauty)	0	2	0 (1*)	2,500	0	0
E2- Low district brightness (e.g. rural or small village locations)	2.5	5	1	7,500	500	5
E3- Medium district brightness (e.g. small town centres or urban locations)	5.0	10	2	10,000	1,000	10

E4- High district brightness (e.g. town/city centres with high levels of night time activity)	15.0	25	5	25,000	2,500	25
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#### Notes:

ULR = Upward Light Ratio of the Installation is the maximum permitted percentage of luminaire flux for the total installation that goes directly into the sky

Ev = Vertical Illuminance in Lux and is measure flat on the glazing at the centre of the window

I = Light Intensity in Cd

L = Luminance in Cd/m2

Curfew = The time after which stricter requirements (for the control of obtrusive light) will apply; often a condition of use of lighting applied by the planning authority. If not otherwise stated – 23.00 hrs is suggested.

\* = From Public road lighting installations only.

#### Solar Glare Assessment

Solar reflections off a building are particularly important at, road junctions including pedestrian crossings, and traffic signals as glare can cause temporary blinding of drivers. Typically, those elements of a Proposed Development considered reflective are either glazed elements or specular metal cladding. An assessment has been conducted to determine the time of day, period of year, duration and positioning of potential solar glare according to the driver's line of sight.

Solar Glare is not a comparative assessment; the fact it may occur in the baseline does not necessarily justify its occurrence as a result of a Proposed Development. Therefore, the assessment considers the effect of the Proposed Development in absolute terms.

A further, more detailed description of the methodologies used for this assessment can be found in Appendix 2: Methodology and Baseline.

#### Assumptions

For solar glare, the assessment undertaken is the worst-case scenario and has been undertaken assuming year-long clear skies. In reality, the probability of clear skies varies throughout the year, with the most cloud cover in the winter months and least in the summer months.

More detail on the assumptions made for each of the assessments undertaken can be found within the Methodology Appendix.

#### Defining Significance

##### Receptor Sensitivity

In terms of sensitivity, nearby residential dwellings are considered highly sensitive to daylight and sunlight levels, and specifically habitable rooms within the properties such as living rooms, kitchens and bedrooms, in accordance with the BRE Guidelines. All existing residential receptors assessed are considered highly sensitive due to the expectation of natural light and given equal weighting, and therefore each individual receptor is not assigned a level of sensitivity as per the usual EIA methodology i.e. high, medium, low or very low.

Commercial spaces such as offices and retail areas are not considered sensitive receptors and are therefore not assessed.

For transient overshadowing, all public and private areas of open space such as playgrounds, playing fields, parks, squares and gardens in close proximity to the Site are considered highly sensitive and are considered within the assessment.

For solar glare, road users are sensitive receptors and are considered highly sensitive within the assessment.

### Magnitude of Impact

The key terminology used to describe the magnitude of impacts are as follows and is determined with reference to the BRE criteria presented within Table 11.1 and the scale and nature of effect sections of this chapter:

- High;
- Medium;
- Low; and
- No impact.

### Nature and Scale of Effect (and Effect Significance)

Following the determination of the magnitude of an impact, an assessment is made of the scale of the resultant effect.

The key terminology used to describe the scale of an effect is as follows:

- Major;
- Moderate;
- Minor; and
- Negligible.

More information on how the scale of effect has been determined for each type of assessment being undertaken has been discussed in the following sections of this chapter.

The nature of the effects may be either adverse (negative or detrimental) or beneficial (advantageous or positive).

### Effect Significance

The BRE Guidelines do not advise on the significance of an effect but where an effect in excess of the guidance is experienced it is considered significant and as such the following criteria is applied:

- ‘Moderate’ or ‘Major’ effects are deemed to be ‘significant’;
- ‘Minor’ effects are deemed to be ‘not significant’ unless otherwise stated; and
- ‘Negligible’ effects are considered ‘not significant’.

Numerical analysis and professional judgement has been used to determine the scale and nature of the potential effects.

When assigning significance per property for daylight and sunlight however, consideration has been given to the proportion of rooms / windows affected, as well as the percentage alterations, absolute changes, existing levels, retained levels and any other relevant factors, such as orientation, balconies, overhangs or design features. Considerations such as absolute change existing levels and retained levels may also apply for overshadowing. As such, 0 - **Error! Reference source not found.** are not applied mechanistically.

### Scale of Effects - Daylight

For daylight, the BRE Guidelines outline the approach within the accompanying appendix, in terms of assigning criteria to assess the effects:

*“Adverse impacts occur when there is a significant decrease in the amount of skylight [...] reaching an existing building where it is required[...]. The assessment of impact will depend on a combination of factors, and there is no simple rule of thumb that can be applied.”*

*“Where the loss of skylight [...] fully meets the guidelines, the impact is assessed as negligible or minor adverse. Where the loss of light is well within the guidelines, or only a small number of windows [...] lose light (within the guidelines), a classification of negligible impact is more appropriate. Where the loss of light is only just within the guidelines and a larger number of windows [...] are affected, a minor adverse impact would be more appropriate, especially if there is a particularly strong requirement for daylight [...] in the affected building [...].”*

*“Where the loss of skylight [...] does not meet the guidelines in this book, the impact is assessed as minor, moderate or major adverse. Factors tending towards a minor adverse impact include:*

- Only a small number of windows [...] are affected;
- The loss of light is only marginally outside the guidelines;
- An affected room has other sources of skylight [...]; and/or
- The affected building [...] has a low level of requirement for skylight [...].”

*The classification of major adverse is documented within Paragraph 7 of the BRE Guidelines:*

- “Factors tending towards a major adverse impact include:
- a large number of windows [...] are affected;
- the loss of light is substantially outside the guidelines;
- all the windows in a particular property are affected; and
- the affected indoor [...] spaces have a particular strong requirement for skylight [...], e.g. a living room in a dwelling [...].”

Where the BRE Guidelines are met, the effects will be considered negligible.

With regard to the BRE Guidelines, the initial numerical criteria for determining the scale of effect is based on percentage alterations from the existing baseline, as seen in 0.

### Percentage Alterations from the Existing Baseline

Scale of Effect	Daylight Criteria
Negligible	0-19.9% alteration
Minor	20-29.9% alteration
Moderate	30-39.9% alteration
Major	≥ 40% alteration

If the retained VSC levels are  $\geq 27\%$  and the NSL levels are  $>80\%$ , the effects are considered negligible, regardless of the alteration as seen in 0.

When assigning significance per property however, consideration has been given to the proportion of rooms / windows affected, as well as the percentage alterations, absolute changes, existing levels, retained levels and any other relevant factors, such as orientation, balconies, overhangs or design features. As such, 0 and Table 11.2 are not applied mechanistically.

#### Scale of Effects - Sunlight

For sunlight, the BRE Guidelines outline the approach within the accompanying Appendix 4, in terms of assigning criteria to assess the effects:

*“Adverse impacts occur when there is a significant decrease in the amount of [...] sunlight reaching an existing building where it is required [...]. The assessment of impact will depend on a combination of factors, and there is no simple rule of thumb that can be applied.”*

*“Where the loss of skylight [...] fully meets the guidelines, the impact is assessed as negligible or minor adverse. Where the loss of light is well within the guidelines, or only a small number of windows [...] lose light (within the guidelines), a classification of negligible impact is more appropriate. Where the loss of light is only just within the guidelines and a larger number of windows or open space are affected, a minor adverse impact would be more appropriate, especially if there is a particularly strong requirement for [...] sunlight in the affected building [...].”*

*“Where the loss of [...] sunlight does not meet the guidelines in this book, the impact is assessed as minor, moderate or major adverse. Factors tending towards a minor adverse impact include:*

- Only a small number of windows [...] are affected;
- The loss of light is only marginally outside the guidelines;
- An affected room has other sources of [...] sunlight; and/or
- The affected building [...] only has a low level of requirement for [...] sunlight.”

The classification of major adverse is documented within Paragraph 7 of the BRE Guidelines:

*“Factors tending towards a major adverse impact include:*

*a large number of windows [...] are affected;*

*the loss of light is substantially outside the guidelines;*

*all the windows in a particular property are affected; and*

*the affected indoor [...] spaces have a particular strong requirement for [...] sunlight, e.g. a living room in a dwelling or a children’s playground.”*

Where the BRE Guidelines are met, the effects will be considered negligible.

With regard to the BRE Guidelines, the initial numerical criteria for determining the scale of effect is based on percentage alterations from the existing baseline, as seen in 0. Using the BRE criteria, professional judgement has then been used to determine the extent of daylight and sunlight effects.

#### Percentage Alterations from the Existing Baseline (both total and winter PSH)

Scale of Effect	Sunlight Criteria
Negligible	0-19.9% alteration
Minor	20-29.9% alteration
Moderate	30-39.9% alteration
Major	$\geq 40\%$ alteration

If the retained total APSH levels are  $\geq 25\%$  with at least 5% of this occurring in the winter months, the effects are considered negligible, regardless of the alteration, and if there is a reduction in Total PSH which is greater than 4%.

#### Scale of Effects - Overshadowing

##### Transient Overshadowing

The BRE Guidelines do not include criteria for the scale and nature of effects and subsequent significance of transient overshadowing other than to identify the different times of the day and year when shadow would be cast over a surrounding area.

The assessment of potential effects as a result of transient overshadowing is therefore based on professional judgement, taking into consideration the conditions of the existing site and surrounding area, and comparing these conditions against the effect of the Proposed Development.

#### Scale of Effects - Light Pollution

The ILP Guidance Notes do not provide details on assigning of significance of effects for light pollution, therefore this is based on professional judgement considering the extent of the residential façade adversely affected as well as the extent to which the thresholds set out in the guidance are exceeded. Table 0.1 highlights the criteria used to assign a specific significance.

Table 0.1 Criteria Used for Determining the Effect of Light Pollution

Significance	Description
<b>Insignificant</b>	A small alteration from the existing scenario which is unlikely to be noticeable to the receptor. This may involve a small number of technical infringements of the numerical level suggested in the appropriate guidelines which should also be viewed in the context of the urban character of the area.
<b>Minor</b>	An alteration from the existing scenario which may be marginally noticeable to the sensitive receptor. This may include a number of marginal infringements of the numerical level suggested in the appropriate guidelines which should be viewed in the context of the urban character of the area.
<b>Moderate</b>	An alteration from the existing scenario which may cause a moderate noticeable change to the sensitive receptor. This may consist of a large proportion of marginal infringements of the numerical values suggested in the relevant guidelines and/or a small percentage of significant infringements.
<b>Major</b>	An alteration from the existing scenario which may cause a major noticeable change to the sensitive receptor. This may consist of a large

Significance	Description
	proportion of significant infringements of the numerical values suggested within the relevant guidelines.

*Scale of Effects - Solar Glare*

Solar Glare is not a comparative assessment; the fact it may occur in the baseline does not necessarily justify its occurrence as a result of a Proposed Development. Therefore, the assessment considers the effect of the Proposed Development in absolute terms.

There are no quantitative criteria within the BRE Guidelines or elsewhere regarding acceptable levels of solar glare.

Professional judgement has therefore been applied to assign the significance of solar glare arising from the Proposed Development and to determine the criteria for assessing the scale and nature of solar glare effects.

Multiple viewpoints are chosen for each of the traffic lanes or signals affected from a location. If for example, one location has multiple lanes or traffic signals, multiple viewpoints will be assessed from this single location to ensure that all effects are fully understood.

Whilst multiple viewpoints may be identified, professional judgement has been used to determine the effect at the location, rather than the individual perspectives at a signal traffic junction. Factors that could influence the nature, scale and resultant significance of effect may include:

- Sunlight availability probability;
- Area of façade off which reflections are visible;
- Period of time when reflections are visible;
- Angle at which reflections are visible from line of sight;
- Views of the development being obscured for example by trees; and/or
- The time of day at which the solar reflection will occur for example during peak traffic times.

The factors in Table 11.5 will be used to ascertain the possible significance for each view and the factors listed above will then be taken into consideration to determine the overall significance for the designated viewpoint.

**Solar Glare Criteria**

Scale of Effect	Description
Negligible	No reflections are visible or if visible all occur at angles greater than 30° from the driver's line of sight and so, as stated by the CIE, will be of "little significance".
Minor	Solar reflections are visible within 30° to 10° or between 10° to 5° of the driver's line of sight for a short period of time
Moderate	Solar reflections are visible within 10° and 5° of the driver's line of sight occurring for a long period of time.

Scale of Effect	Description
Major	Solar reflections are visible within 5° of a driver's line of sight.

Table 1 Baseline Daylight (VSC and NSL) and Sunlight (APSH) Results

Address	VSC		NSL		APSH	
	Total	Pass	Total	Pass	Total	Pass
The Glasshouse	5	0	2	1		
16 Melior Street	66	13	18	18	12	10
8 Melior St-36 Snowfields	141	52	66	50	50	22
103 -114 Guinness Court	42	15	30	13	16	16
1-15 Guinness Court	41	18	30	18		
Raquel Court	55	55	27	27	12	12
La Salette Church	25	0	5	4		
14 Melior Street	7	3	3	3		
Snowfields Primary School	30	28	15	15	3	3
8-20 Snowfields	24	8	19	18		
38 Snowfields	8	0	8	1		
39 Snowfields	14	0	8	3	4	0
40 Snowfields	14	1	8	3		
41 Snowfields	4	1	4	2	4	0
42 Snowfields	20	1	16	5		
62 Weston Street	9	2	9	5	9	1
64 Weston Street	8	0	8	1	8	5
66 Weston Street	1	1	1	1	1	1
<b>Total</b>	<b>514</b>	<b>198</b>	<b>277</b>	<b>188</b>	<b>119</b>	<b>70</b>

# Appendix: Daylight, Sunlight, Overshadowing, Solar Glare and Light Pollution

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Annex 2: Assessment Methodology

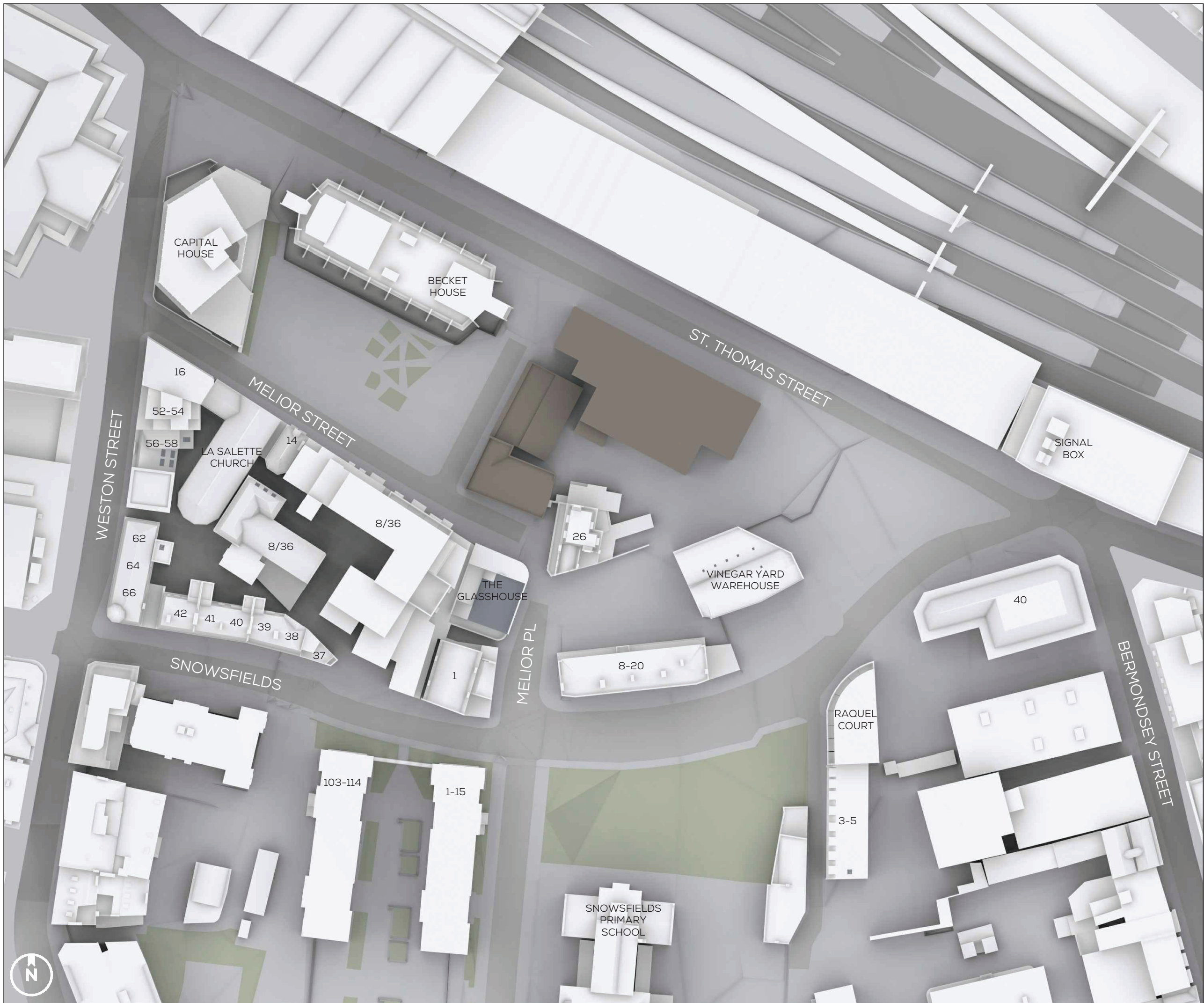
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SOURCES OF INFORMATION

MSA  
IR27-300118  
Master\_Model.dwg

VERTEX  
IR28-080218

NOTES:  
EXISTING SCENARIO SHOWN IN SEPIA

N.B. DO NOT SCALE OFF THIS DRAWING

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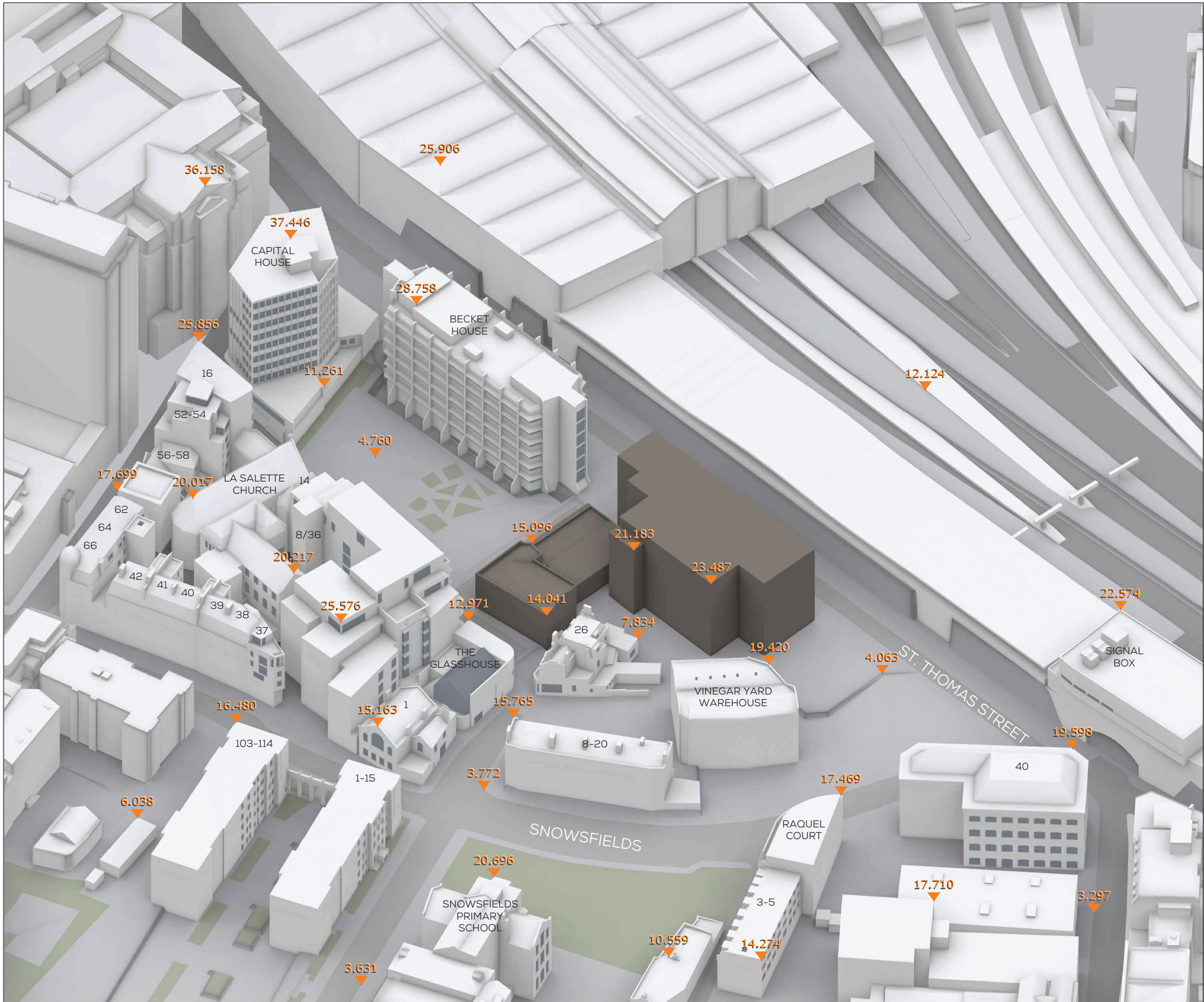
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PROJ No.	REL No.	IS No.	DWG No.	REV No.
10732	14	01	01	-

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 MSA  
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NOTES:  
 EXISTING SCENARIO SHOWN IN SEPIA  
 ALL HEIGHTS AND DIMENSIONS GIVEN IN m AOD

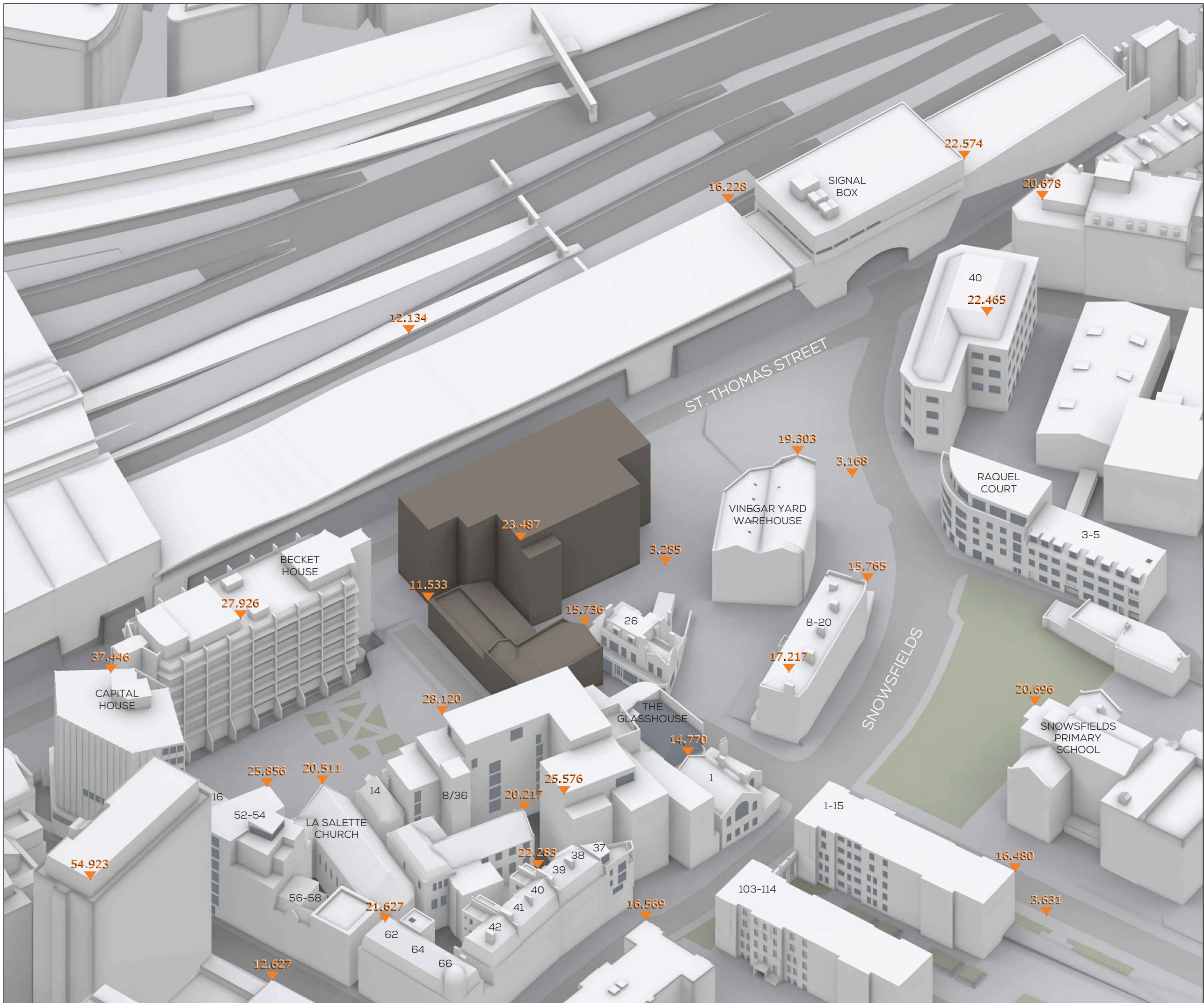
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**ST.THOMAS STREET**

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 EXISTING SCENARIO

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IM	NTS		-	MAR.18
PROJ No.	REL No.	IS No.	DWG No.	REV No.
10732	14	01	02	-

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NOTES:  
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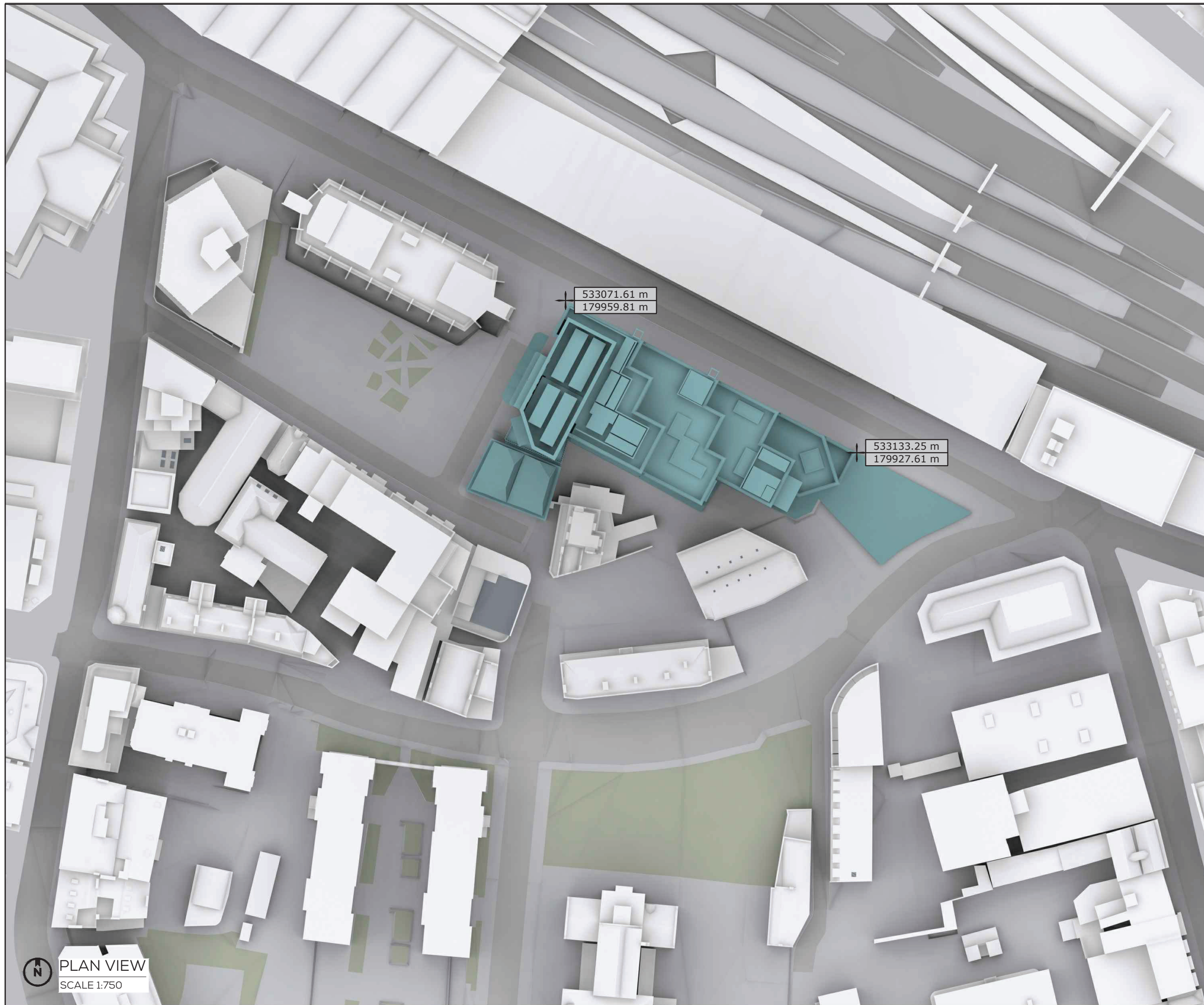
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PROJ No.	REL No.	IS No.	DWG No.	REV No.
10732	14	01	03	-



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PLAN VIEW  
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NOTES:  
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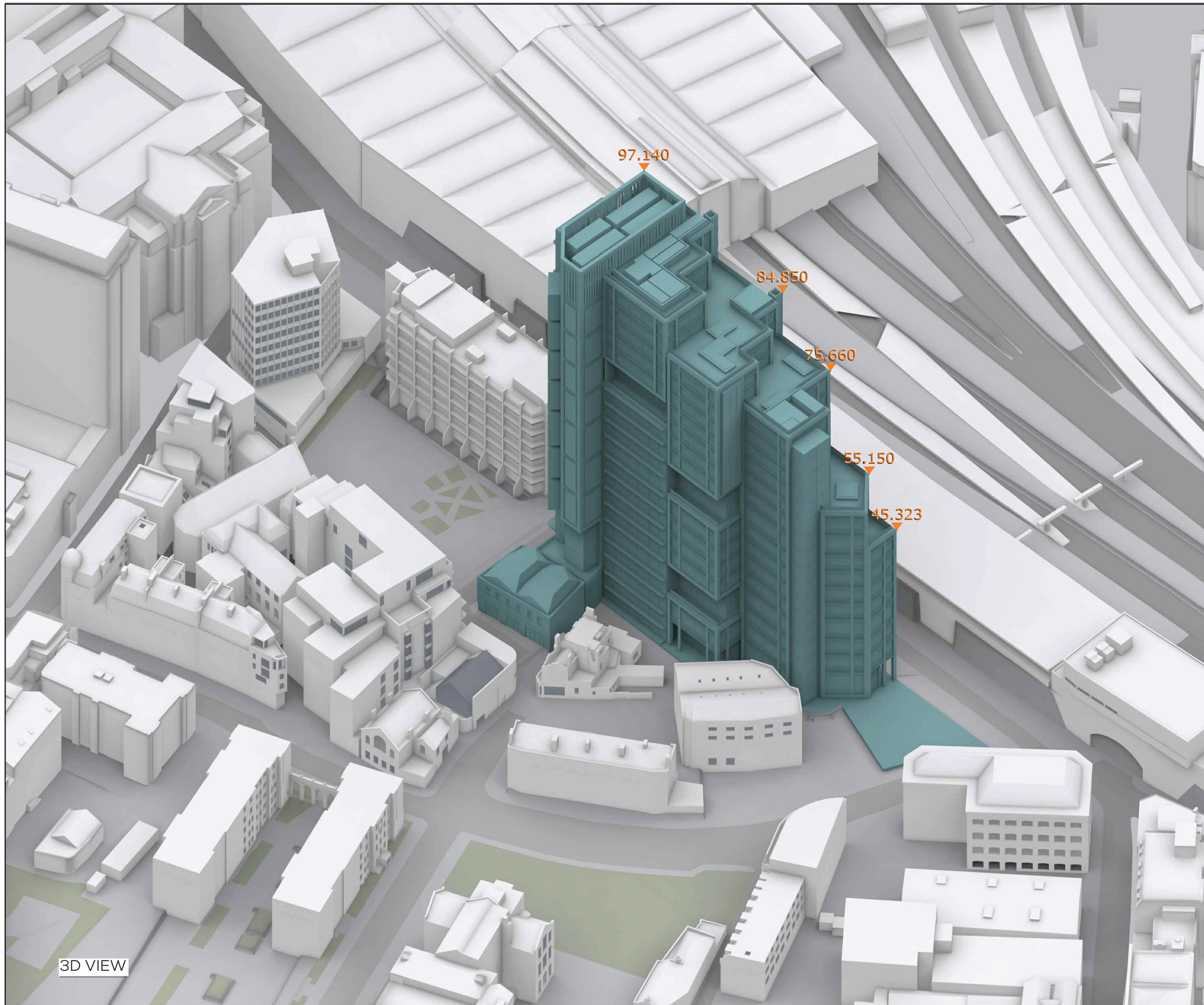
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PROPOSED IR81  
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PROJ No.	REL No.	ADDR No.	IS No.	DWG No.
10732	28	-	02	001



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PROJ No.	REL No.	ADDR No.	IS No.	DWG No.
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3D VIEW



3D VIEW

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VERTEX  
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PROJECT:  
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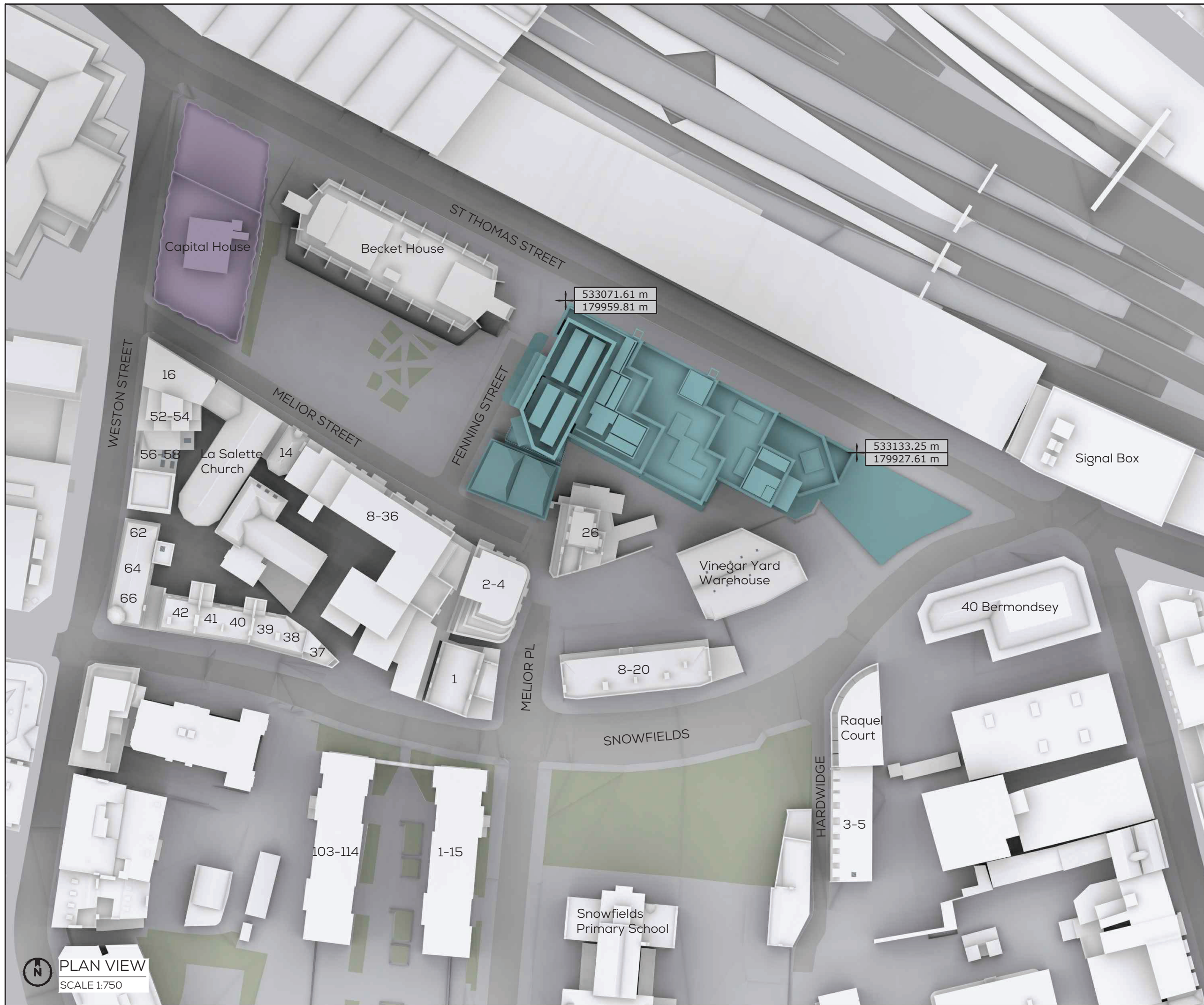
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PROPOSED IR81  
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KPF  
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**NOTES:**  
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PROPOSED IR81  
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PROJ No.	REL No.	ADDR No.	IS No.	DWG No.
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 CUMULATIVE SCHEME - EDGE SHOWN IN PINK  
 CUMULATIVE SCHEME - SELLAR (LARGE) SHOWN IN LILAC

ALL HEIGHTS AND DIMENSIONS GIVEN IN m AOD

N.B. DO NOT SCALE OFF THIS DRAWING

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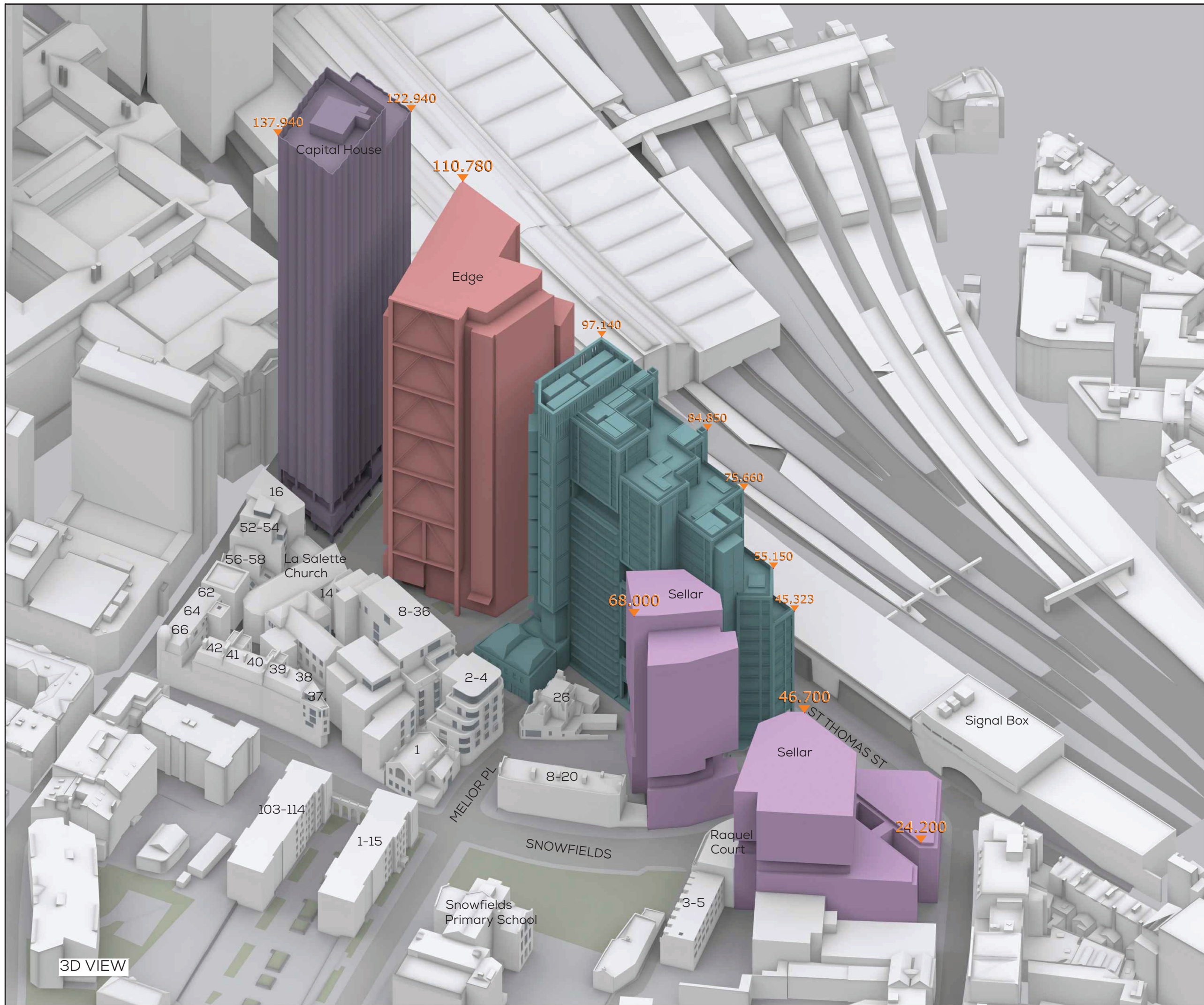
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# Appendix: Daylight, Sunlight, Overshadowing, Solar Glare and Light Pollution

Annex 1: Legislative and Planning Policy Context

Annex 2: Assessment Methodology

Annex 3: Drawings

**Annex 4: Daylight and Sunlight Impact Assessment**

Annex 5: Overshadowing Assessment

Annex 6: Solar Glare Assessment

Annex 7: Light Pollution Assessment

Baseline V Proposed Development

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)									
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %					
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER				
THE GLASSHOUSE																																	
F01	R2	RESIDENTIAL	BEDROOM		W4/F01	23.9	17.3	6.6	27.6%	22.5	11.3	11.2	49.8%	93.6	88.7	11	5.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W5/F01	21.6	10.3	11.3	52.3%									N/A	N/A	N/A	N/A	N/A	N/A										
			BEDROOM		W6/F01	21.7	8.1	13.6	62.7%									N/A	N/A	N/A	N/A	N/A	N/A										
			BEDROOM		W7/F01	22.9	9.5	13.4	58.5%									N/A	N/A	N/A	N/A	N/A	N/A										
	R4	RESIDENTIAL	BEDROOM		W9/F01	23.4	11	12.4	53.0%	23.4	11	12.4	53.0%	55.4	30	3.4	45.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
16 MELIOR STREET																																	
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	2.1	2.1	0	0.0%	16.3	13.6	2.7	16.6%	91.1	91.1	0.0	0.0%	0	0	0	0	0.0%	0.0%	17	2	9	2	47.1%	0.0%				
			BEDROOM		W2/F01	18.3	14.3	4	21.9%									6	0	1	0	83.3%	0.0%										
			BEDROOM		W3/F01	19.4	16.5	2.9	14.9%									17	2	9	2	47.1%	0.0%										
			BEDROOM		W4/F01	18.6	15.7	2.9	15.6%									17	2	9	2	47.1%	0.0%										
	R2	RESIDENTIAL	BEDROOM		W5/F01	17.6	14.9	2.7	15.3%	17.6	14.9	2.7	15.3%	93.1	92.7	0.1	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LKD		W6/F01	6.9	3.7	3.2	46.4%	12.9	11.7	1.2	9.3%	82.7	82.7	0.0	0.0%	7	0	1	0	85.7%	0.0%	47	13	39	13	17.0%	0.0%				
			LKD		W7/F01	14.6	12.4	2.2	15.1%									16	2	9	2	43.8%	0.0%										
			LKD		W8/F01	14.5	12.4	2.1	14.5%									16	2	9	2	43.8%	0.0%										
			LKD		W9/F01	11.5	11.5	0	0.0%									23	10	23	10	0.0%	0.0%										
			LKD		W10/F01	11.6	11.6	0	0.0%									27	11	27	11	0.0%	0.0%										
			LKD		W11/F01	12.2	12.2	0	0.0%									30	11	30	11	0.0%	0.0%										
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	2.4	2.4	0	0.0%	17.9	15.1	2.8	15.6%	95.8	95.8	0.0	0.0%	0	0	0	0	0.0%	0.0%	19	2	11	2	42.1%	0.0%				
			BEDROOM		W2/F02	20	15.8	4.2	21.0%									7	0	2	0	71.4%	0.0%										
			BEDROOM		W3/F02	21.3	18.3	3	14.1%									16	2	10	2	44.4%	0.0%										
			BEDROOM		W4/F02	20.4	17.5	2.9	14.2%									19	2	11	2	42.1%	0.0%										
	R2	RESIDENTIAL	BEDROOM		W5/F02	19.3	16.5	2.8	14.5%	19.3	16.5	2.8	14.5%	99.3	98.8	0.1	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LKD		W6/F02	7.5	4.1	3.4	45.3%	13.9	12.7	1.2	8.6%	88.8	88.8	0.0	0.0%	8	0	3	0	62.5%	0.0%	48	13	41	13	14.6%	0.0%				
			LKD		W7/F02	16	13.7	2.3	14.4%									17	2	10	2	41.2%	0.0%										
			LKD		W8/F02	15.7	13.6	2.1	13.4%									18	2	11	2	38.9%	0.0%										
			LKD		W9/F02	12.4	12.4	0	0.0%									23	10	23	10	0.0%	0.0%										
			LKD		W10/F02	12.4	12.4	0	0.0%									27	11	27	11	0.0%	0.0%										
			LKD		W11/F02	13	13	0	0.0%									30	11	30	11	0.0%	0.0%										
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	30.7	24.3	6.4	20.8%	25.3	21.2	4.1	16.2%	99.1	98.6	0.1	0.5%	48	9	40	9	16.7%	0.0%	48	9	40	9	16.7%	0.0%				
			BEDROOM		W2/F03	29.4	23.7	5.7	19.4%									46	4	34	4	28.0%	0.0%										

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
16 MELIOR STREET (CONTINUED)																													
			BEDROOM		W3/F03	23.4	20.3	3.1	13.2%									19	2	11	2	42.1%	0.0%						
			BEDROOM		W4/F03	22.4	19.4	3	13.4%									19	2	11	2	42.1%	0.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F03	21.2	18.4	2.8	13.2%	21.2	18.4	2.8	13.2%	99.3	98.8	0.1	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F03	8.2	4.6	3.6	43.9%	15	13.7	1.3	8.7%	96.6	96.6	0.0	0.0%	9	0	4	0	55.6%	0.0%	50	13	43	13	14.0%	0.0%
			LKD		W7/F03	17.4	15.1	2.3	13.2%									19	2	12	2	36.8%	0.0%						
			LKD		W8/F03	17	14.8	2.2	12.9%									19	2	12	2	36.8%	0.0%						
			LKD		W9/F03	13.2	13.2	0	0.0%									24	10	24	10	0.0%	0.0%						
			LKD		W10/F03	13.2	13.2	0	0.0%									27	11	27	11	0.0%	0.0%						
			LKD		W11/F03	13.7	13.7	0	0.0%									30	11	30	11	0.0%	0.0%						
F04	R1	RESIDENTIAL	BEDROOM		W1/F04	34.5	28	6.5	18.8%	27.7	23.6	4.1	14.8%	99.1	98.6	0.1	0.5%	56	17	48	17	14.3%	0.0%	56	17	48	17	14.3%	0.0%
			BEDROOM		W2/F04	31.8	25.9	5.9	18.6%									35	7	27	7	22.9%	0.0%						
			BEDROOM		W3/F04	25.6	22.4	3.2	12.5%									19	2	11	2	42.1%	0.0%						
			BEDROOM		W4/F04	24.5	21.5	3	12.2%									19	2	11	2	42.1%	0.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F04	23.3	20.4	2.9	12.4%	23.3	20.4	2.9	12.4%	99.3	98.8	0.1	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F04	8.8	5	3.8	43.2%	16.1	14.9	1.2	7.5%	99.3	99.3	0.0	0.0%	9	0	3	0	66.7%	0.0%	50	13	43	13	14.0%	0.0%
			LKD		W7/F04	19.1	16.8	2.3	12.0%									19	2	12	2	36.8%	0.0%						
			LKD		W8/F04	18.5	16.3	2.2	11.9%									19	2	12	2	36.8%	0.0%						
			LKD		W9/F04	14	14	0	0.0%									24	10	24	10	0.0%	0.0%						
			LKD		W10/F04	13.9	13.9	0	0.0%									27	11	27	11	0.0%	0.0%						
			LKD		W11/F04	14.4	14.4	0	0.0%									30	11	30	11	0.0%	0.0%						
F05	R1	RESIDENTIAL	BEDROOM		W1/F05	36.3	29.6	6.7	18.5%	29.2	25.3	3.9	13.4%	98.9	98.6	0.0	0.3%	48	14	40	14	16.7%	0.0%	48	14	41	14	14.6%	0.0%
			BEDROOM		W2/F05	31.4	26.5	4.9	15.6%									28	4	21	4	27.6%	0.0%						
			BEDROOM		W3/F05	28	24.7	3.3	11.8%									19	2	11	2	42.1%	0.0%						
			BEDROOM		W4/F05	27	23.8	3.2	11.9%									19	2	12	2	36.8%	0.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F05	25.8	22.8	3	11.6%	25.8	22.8	3	11.6%	99.3	98.8	0.1	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F05	9.4	5.5	3.9	41.5%	17.6	16.3	1.3	7.4%	100	100	0.0	0.0%	9	0	3	0	66.7%	0.0%	51	14	44	14	13.7%	0.0%
			LKD		W7/F05	21.5	19.1	2.4	11.2%									19	2	12	2	36.8%	0.0%						
			LKD		W8/F05	20.8	18.5	2.3	11.1%									19	2	12	2	36.8%	0.0%						
			LKD		W9/F05	14.8	14.8	0	0.0%									24	10	24	10	0.0%	0.0%						
			LKD		W10/F05	14.5	14.5	0	0.0%									28	12	28	12	0.0%	0.0%						
			LKD		W11/F05	15.2	15.2	0	0.0%									31	12	31	12	0.0%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)							
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.		PR.		LOSS %		EX.		PR.		LOSS %			
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER		
16 MELIOR STREET (CONTINUED)																															
F06	R1	RESIDENTIAL	BEDROOM		W1/F06	37.9	31.1	6.8	17.9%	31.5	27.6	3.9	12.4%	98.9	98.6	0.0	0.3%	49	14	41	14	16.3%	0.0%	49	14	42	14	14.3%	0.0%		
			BEDROOM		W2/F06	33.6	28.6	5	14.9%									30	4	22	4	26.7%	0.0%								
			BEDROOM		W3/F06	30.5	27.2	3.3	10.8%									30	2	2	1	30.0%	0.0%								
			BEDROOM		W4/F06	29.6	26.4	3.2	10.8%									20	2	13	2	35.0%	0.0%								
	R2	RESIDENTIAL	BEDROOM		W5/F06	28.4	25.4	3	10.6%	28.4	25.4	3	10.6%	99.3	98.8	0.1	0.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R3	RESIDENTIAL	LKD		W6/F06	9.4	5.7	3.7	39.4%	19.1	17.8	1.3	6.8%	100	100	0.0	0.0%	9	0	3	0	66.7%	0.0%	53	14	46	14	13.2%	0.0%		
			LKD		W7/F06	24	21.6	2.4	10.0%									30	3	13	3	35.0%	0.0%								
			LKD		W8/F06	23.1	20.9	2.2	9.5%										19	2	12	2	36.8%	0.0%							
			LKD		W9/F06	15.6	15.6	0	0.0%										25	10	25	10	0.0%	0.0%							
			LKD		W10/F06	15.2	15.2	0	0.0%										29	12	29	12	0.0%	0.0%							
			LKD		W11/F06	15.9	15.9	0	0.0%										4	12	11	12	0.0%	0.0%							
8 MELIOR ST-36 SNOWFIELDS																															
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	12.4	9.7	2.7	21.8%	12.4	9.7	2.7	21.8%	54.7	51.2	0.5	6.4%	20	7	20	7	0.0%	0.0%	20	7	20	7	0.0%	0.0%		
	R2	RESIDENTIAL	BEDROOM		W2/F01	24.2	19.4	4.8	19.8%	24.2	19.4	4.8	19.8%	95.8	95.7	0.0	0.0%	33	4	33	4	0.0%	0.0%	33	4	33	4	0.0%	0.0%		
	R4	RESIDENTIAL	BEDROOM		W4/F01	6	6	0	0.0%	19.2	16.2	3	15.6%	74.3	73.2	0.2	15%	24	7	24	7	0.0%	0.0%	46	12	46	12	0.0%	0.0%		
			BEDROOM		W5/F01	27.4	24.5	2.9	10.6%										46	12	46	12	0.0%	0.0%							
			BEDROOM		W6/F01	12.8	6.3	6.5	50.8%										12	0	12	0	0.0%	0.0%							
	R5	RESIDENTIAL	BEDROOM		W7/F01	11.8	11.8	0	0.0%	13.4	12.8	0.6	4.5%	79.1	79	0.0	0.1%	35	11	35	11	0.0%	0.0%	40	11	40	11	0.0%	0.0%		
			BEDROOM		W8/F01	19.6	18.5	1.1	5.6%										39	11	39	11	0.0%	0.0%							
			BEDROOM		W9/F01	0.1	0.1	0	0.0%											0				0.0%	0.0%						
	R6 (3)	RESIDENTIAL	LKD		W10/F01	10.9	3.5	7.4	67.9%	10.9	3.5	7.4	67.9%	71.8	51.9	6.6	27.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R7	RESIDENTIAL	BEDROOM		W11/F01	1.8	1.2	0.6	33.3%	1.8	1.2	0.6	33.3%	92.3	80.6	1.4	12.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R8	RESIDENTIAL	LKD		W12/F01	4.4	2	2.4	54.5%	16.1	9.8	6.3	39.1%	91.5	87.8	0.9	4.0%	7	0	4	0	42.9%	0.0%	12	2	9	2	25.0%	0.0%		
			LKD		W13/F01	27.3	16.6	10.7	39.2%										11	2	9	3	18.2%	0.0%							
			LKD		W14/F01	7.6	7.6	0	0.0%										0	0	0	0	0.0%	0.0%							
	R9	RESIDENTIAL	LKD		W15/F01	3.1	1.7	1.4	45.2%	4.3	3.3	1	23.3%	75.4	74.9	0.2	0.6%	0	0	0	0	0.0%	0.0%	8	0	8	0	0.0%	0.0%		
			LKD		W32/F01	7	7	0	0.0%										8	0	8	0	0.0%	0.0%							
	R10	RESIDENTIAL	BEDROOM		W16/F01	11.6	5.2	6.4	55.2%	22.2	14.7	7.5	33.8%	96.2	96.2	0.0	0.0%	9	2	7	2	22.2%	0.0%	16	2	12	2	25.0%	0.0%		
			BEDROOM		W17/F01	28.3	18.5	9.8	34.6%										16	2	12	2	25.0%	0.0%							
			BEDROOM		W18/F01	9.5	9.5	0	0.0%										4	0	0	4	0.0%	0.0%							

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																													
	R12	RESIDENTIAL	LKD		W20/F01	5.7	3.5	2.2	38.6%	8.7	7.4	13	14.9%	74.5	74.6	0.0	-0.1%	0	0	0	0	0.0%	0.0%	22	2	22	2	0.0%	0.0%
			LKD		W31/F01	13	13	0	0.0%									22	2	22	2	0.0%	0.0%						
	R13	RESIDENTIAL	BEDROOM		W21/F01	10.1	3.7	6.4	63.4%	19.2	13	6.2	32.3%	69.7	69.7	0.0	0.0%	11	2	7	2	36.4%	0.0%	12	2	8	2	33.3%	0.0%
			BEDROOM		W22/F01	27.5	19.3	8.2	29.8%									12	2	9	2	33.3%	0.0%						
			BEDROOM		W23/F01	9.2	9.2	0	0.0%									0	0	0	0	0.0%	0.0%						
	R14	RESIDENTIAL	BEDROOM		W24/F01	10.9	4	6.9	63.3%	19.9	13.9	6	30.2%	89.8	89.8	0.0	0.0%	9	0	4	0	55.6%	0.0%	17	2	13	2	23.5%	0.0%
			BEDROOM		W25/F01	27.6	19.9	7.7	27.9%									17	2	13	2	23.5%	0.0%						
			BEDROOM		W26/F01	11.7	11.7	0	0.0%									0	0	0	0	0.0%	0.0%						
	R16	RESIDENTIAL	BEDROOM		W28/F01	27.1	20.4	6.7	24.7%	27.1	20.4	6.7	24.7%	75.3	74.7	0.1	0.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R17	RESIDENTIAL	LKD		W29/F01	8.1	6.8	1.3	16.0%	7.3	6.4	0.9	12.3%	60.8	60.7	0.0	0.2%	1	0	1	0	0.0%	0.0%	7	1	7	1	0.0%	0.0%
			LKD		W30/F01	5.6	5.6	0	0.0%									6	1	6	1	0.0%	0.0%						
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	31.3	26.2	5.1	16.3%	31.3	26.2	5.1	16.3%	99.4	96.2	0.5	3.2%	53	15	52	15	1.9%	0.0%	53	15	52	15	1.9%	0.0%
	R2	RESIDENTIAL	BEDROOM		W2/F02	35.1	29.5	5.6	16.0%	35.1	29.5	5.6	16.0%	99.8	99.7	0.0	0.0%	57	18	57	18	0.0%	0.0%	57	18	57	18	0.0%	0.0%
	R4	RESIDENTIAL	BEDROOM		W4/F02	8.9	8.9	0	0.0%	24.8	21.2	3.6	14.5%	74.8	73.7	0.2	1.5%	30	13	30	13	0.0%	0.0%	57	18	57	18	0.0%	0.0%
			BEDROOM		W5/F02	35.2	31.8	3.4	9.7%									57	18	57	18	0.0%	0.0%						
			BEDROOM		W6/F02	15.6	8.2	7.4	47.4%									19	2	19	2	3.0%	0.0%						
	R5	RESIDENTIAL	BEDROOM		W7/F02	15.6	15.6	0	0.0%	22.3	21.1	1.2	5.4%	80.1	80.1	0.0	0.1%	43	17	43	17	0.0%	0.0%	63	19	62	19	1.6%	0.0%
			BEDROOM		W8/F02	34.2	32	2.2	6.4%									63	19	62	19	1.6%	0.0%						
			BEDROOM		W9/F02	0.2	0.2	0	0.0%									1	0	1	0	0.0%	0.0%						
	R6 (3)	RESIDENTIAL	LKD		W10/F02	15.9	6.3	9.6	60.4%	15.9	6.3	9.6	60.4%	98.5	83.5	5.0	15.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R7	RESIDENTIAL	BEDROOM		W11/F02	3.5	1.9	1.6	45.7%	3.5	1.9	1.6	45.7%	98	81.2	2.0	17.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	LKD		W12/F02	5.7	2.4	3.3	57.9%	18.6	10.7	7.9	42.5%	93	87.8	1.2	5.5%	8	0	4	0	50.0%	0.0%	13	2	9	2	30.8%	0.0%
			LKD		W13/F02	31.1	17.9	13.2	42.4%									13	2	9	2	30.8%	0.0%						
			LKD		W14/F02	8.3	8.3	0	0.0%									0	0	0	0	0.0%	0.0%						
	R9	RESIDENTIAL	LKD		W15/F02	4.6	2.4	2.2	47.8%	6	4.5	1.5	25.0%	77.7	76.2	0.5	1.9%	0	0	0	0	0.0%	0.0%	13	0	13	0	0.0%	0.0%
			LKD		W32/F02	9.2	9.2	0	0.0%									13	0	13	0	0.0%	0.0%						
	R10	RESIDENTIAL	BEDROOM		W16/F02	13.1	5.8	7.3	55.7%	24.3	15.9	8.4	34.6%	98.3	98.3	0.0	0.0%	12	2	7	2	41.7%	0.0%	17	2	12	2	29.4%	0.0%
			BEDROOM		W17/F02	30.8	19.9	10.9	35.4%									17	2	12	2	29.4%	0.0%						
			BEDROOM		W18/F02	10.5	10.5	0	0.0%									0	0	0	0	0.0%	0.0%						
	R12	RESIDENTIAL	LKD		W20/F02	7.3	4.7	2.6	35.6%	11.6	10.1	1.5	12.9%	81.1	80.8	0.1	0.3%	1	0	0	0	0.0%	0.0%	34	3	34	3	0.0%	0.0%
			LKD		W31/F02	17.7	17.7	0	0.0%									34	3	34	3	0.0%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																														
	R13	RESIDENTIAL	BEDROOM		W21/F02	11.3	4.3	7	61.9%	20.9	14.2	6.7	32.1%	77.7	77.7	0.0	0.0%	12	2	7	2	41.7%	0.0%	13	2	8	2	38.5%	0.0%	
			BEDROOM		W22/F02	29.9	21	8.9	29.8%									13	2	8	2	38.5%	0.0%							
			BEDROOM		W23/F02	9.9	9.9	0	0.0%									0	0	0	0	0.0%	0.0%							
	R14	RESIDENTIAL	BEDROOM		W24/F02	11.8	4.3	7.5	63.6%	21.6	15.1	6.5	30.1%	94.1	94.1	0.0	0.0%	10	0	4	0	60.0%	0.0%	18	2	13	2	27.8%	0.0%	
			BEDROOM		W25/F02	29.9	21.7	8.2	27.4%									19	2	13	2	27.8%	0.0%							
			BEDROOM		W26/F02	12.6	12.6	0	0.0%									0	0	0	0	0.0%	0.0%							
	R16	RESIDENTIAL	BEDROOM		W28/F02	29.5	22.3	7.2	24.4%	29.5	22.3	7.2	24.4%	93	92.4	0.1	0.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R17	RESIDENTIAL	LKD		W29/F02	9.8	8.4	1.4	14.3%	10.3	9.4	0.9	8.7%	83.3	83.1	0.0	0.1%	1	0	1	0	0.0%	0.0%	13	3	13	3	0.0%	0.0%	
			LKD		W30/F02	11.4	11.4	0	0.0%									12	3	12	3	0.0%	0.0%							
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	38.2	33	5.2	13.6%	38.2	33	5.2	13.6%	99.4	96.5	0.4	2.9%	60	20	59	20	1.7%	0.0%	60	20	59	20	1.7%	0.0%	
	R2	RESIDENTIAL	BEDROOM		W2/F03	38	32.2	5.8	15.3%	38	32.2	5.8	15.3%	99.8	99.7	0.0	0.0%	60	20	59	20	1.7%	0.0%	60	20	59	20	1.7%	0.0%	
	R4	RESIDENTIAL	BEDROOM		W4/F03	12.2	12.2	0	0.0%	27.1	23.3	3.8	14.0%	75.3	74.2	0.2	1.5%	36	13	36	13	0.0%	0.0%	62	18	62	18	0.0%	0.0%	
			BEDROOM		W5/F03	37.5	34	3.5	9.3%									61	18	61	18	0.0%	0.0%							
			BEDROOM		W6/F03	16.8	8.7	8.1	48.2%									19	2	19	2	0.0%	0.0%							
	R5	RESIDENTIAL	BEDROOM		W7/F03	17.7	17.7	0	0.0%	23.8	22.6	1.2	5.0%	80.2	80.1	0.0	0.1%	47	20	47	20	0.0%	0.0%	67	23	66	23	15%	0.0%	
			BEDROOM		W8/F03	36.1	33.9	2.2	6.1%									67	23	66	23	15%	0.0%							
			BEDROOM		W9/F03	0.2	0.2	0	0.0%									1	0	1	0	0.0%	0.0%							
	R6 (3)	RESIDENTIAL	LKD		W10/F03	18.1	7.3	10.8	59.7%	18.1	7.3	10.8	59.7%	100	83.7	5.4	16.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R7	RESIDENTIAL	BEDROOM		W11/F03	4.3	2.2	2.1	48.8%	4.3	2.2	2.1	48.8%	98	81.6	2.0	16.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	LKD		W12/F03	6.3	2.6	3.7	58.7%	20	11.4	8.6	43.0%	95.6	87.8	1.9	8.2%	8	0	4	0	50.0%	0.0%	13	2	9	2	30.8%	0.0%	
			LKD		W13/F03	33.2	19.1	14.1	42.5%									19	2	9	2	30.8%	0.0%							
			LKD		W14/F03	9.3	9.2	0.1	11%									0	0	0	0	0.0%	0.0%							
	R9	RESIDENTIAL	LKD		W15/F03	5.9	3.1	2.8	47.5%	7.8	5.9	1.9	24.4%	81.9	77.7	1.6	5.2%	0	0	0	0	0.0%	0.0%	18	1	18	1	0.0%	0.0%	
			LKD		W32/F03	12	12	0	0.0%									18	1	18	1	0.0%	0.0%							
	R10	RESIDENTIAL	BEDROOM		W16/F03	14.3	6.6	7.7	53.8%	26.4	17.5	8.9	33.7%	98.5	98.5	0.0	0.0%	12	2	7	2	41.7%	0.0%	17	2	12	2	29.4%	0.0%	
			BEDROOM		W17/F03	33	21.4	11.6	35.2%									17	2	12	2	29.4%	0.0%							
			BEDROOM		W18/F03	13.3	13.3	0	0.0%									0	0	0	0	0.0%	0.0%							
	R12	RESIDENTIAL	LKD		W20/F03	8.9	5.9	3	33.7%	15	13.3	1.7	11.3%	81.8	81.5	0.1	0.4%	0	0	0	0	0.0%	0.0%	44	6	44	6	0.0%	0.0%	
			LKD		W31/F03	23.7	23.7	0	0.0%									44	6	44	6	0.0%	0.0%							
	R13	RESIDENTIAL	BEDROOM		W21/F03	13.3	5.8	7.5	56.4%	22.8	15.7	7.1	31.1%	88.2	88.2	0.0	0.0%	12	2	7	2	41.7%	0.0%	13	2	8	2	38.5%	0.0%	
			BEDROOM		W22/F03	32.2	22.8	9.4	29.2%									0	0	0	0	0.0%	0.0%							

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																													
			BEDROOM		W23/F03	10.6	10.6	0	0.0%									0	0	0	0	0.0%	0.0%						
	R14	RESIDENTIAL	BEDROOM		W24/F03	12.5	4.6	7.9	63.2%	23.2	16.3	6.9	29.7%	98.8	98.8	0.0	0.0%	10	0	4	0	60.0%	0.0%	19	2	13	2	31.6%	0.0%
			BEDROOM		W25/F03	32.2	23.4	8.8	27.3%									19	2	13	2	31.6%	0.0%						
			BEDROOM		W26/F03	13.6	13.6	0	0.0%									0	0	0	0	0.0%	0.0%						
	R16	RESIDENTIAL	BEDROOM		W28/F03	31.7	24.2	7.5	23.7%	31.7	24.2	7.5	23.7%	99.7	99.2	0.1	0.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R17	RESIDENTIAL	LKD		W29/F03	12.1	10.4	1.7	14.0%	15.4	14.3	1.1	7.1%	99.1	99.1	0.0	0.0%		0		0	0.0%	0.0%	43	12	43	12	0.0%	0.0%
			LKD		W30/F03	22.6	22.6	0	0.0%									42	12	42	12	0.0%	0.0%						
F04	R2	RESIDENTIAL	BEDROOM		W2/F04	23.7	23.7	0	0.0%	31.1	26.8	4.3	13.8%	75.3	74.2	0.2	15%	54	23	54	23	0.0%	0.0%	74	25	73	25	14%	0.0%
			BEDROOM		W3/F04	39.1	35.5	3.6	9.2%									68	23	67	23	15%	0.0%						
			BEDROOM		W4/F04	19.2	9.1	10.1	52.6%									10	2	18	2	5.0%	0.0%						
	R3	RESIDENTIAL	BEDROOM		W5/F04	20.1	20.1	0	0.0%	24.8	23.6	1.2	4.8%	80.1	80.1	0.0	0.1%	48	21	48	21	0.0%	0.0%	67	23	66	23	15%	0.0%
			BEDROOM		W6/F04	37	34.7	2.3	6.2%									67	23	66	23	15%	0.0%						
			BEDROOM		W7/F04	0.2	0.2	0	0.0%									1	0	1	0	0.0%	0.0%						
	R4 (3)	RESIDENTIAL	LKD		W8/F04	32.7	15.6	17.1	52.3%	32.7	15.6	17.1	52.3%	100	83.6	5.4	16.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R5	RESIDENTIAL	BEDROOM		W9/F04	4.8	2.5	2.3	47.9%	4.8	2.5	2.3	47.9%	98	81.8	2.0	16.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R6	RESIDENTIAL	LKD		W10/F04	6	2.4	3.6	60.0%	21	12	9	42.9%	95.8	88.1	1.8	8.1%	7	0	2	0	71.4%	0.0%	14	2	9	2	35.7%	0.0%
			LKD		W11/F04	35.1	20.1	15	42.7%									13	2	9	2	30.6%	0.0%						
			LKD		W12/F04	11	11	0	0.0%									0	0	0	0	0.0%	0.0%						
	R7	RESIDENTIAL	LKD		W13/F04	6.8	3.5	3.3	48.5%	9.7	7.4	2.3	23.7%	17.4	17.4	0.0	0.0%	1	0	0	0	100.0%	0.0%	29	2	28	2	3.4%	0.0%
			LKD		W30/F04	15.9	15.9	0	0.0%									28	2	28	2	0.0%	0.0%						
	R8	RESIDENTIAL	BEDROOM		W14/F04	16.4	8.4	8	48.8%	28.5	19.1	9.4	33.0%	98.7	98.7	0.0	0.0%	14	2	8	2	42.9%	0.0%	20	2	14	2	30.0%	0.0%
			BEDROOM		W15/F04	34.9	22.7	12.2	35.0%									19	2	18	2	31.8%	0.0%						
			BEDROOM		W16/F04	15.9	15.9	0	0.0%									0	0	0	0	0.0%	0.0%						
	R10	RESIDENTIAL	LKD		W18/F04	13.3	9.2	4.1	30.8%	20.4	18	2.4	11.8%	81.9	81.5	0.1	0.5%		0	0	0	100.0%	0.0%	59	14	58	14	1.7%	0.0%
			LKD		W29/F04	29.7	29.7	0	0.0%									58	14	58	14	0.0%	0.0%						
	R11	RESIDENTIAL	BEDROOM		W19/F04	19.2	11	8.2	42.7%	25.9	18.4	7.5	29.0%	90.1	90.1	0.0	0.0%	21	2	15	2	28.6%	0.0%	21	2	15	2	28.6%	0.0%
			BEDROOM		W20/F04	34.3	24.5	9.8	28.6%									20	2	13	2	35.0%	0.0%						
			BEDROOM		W21/F04	12.5	12.5	0	0.0%									0	0	0	0	0.0%	0.0%						
	R12	RESIDENTIAL	BEDROOM		W22/F04	14.2	6	8.2	57.7%	25	17.8	7.2	28.8%	99.3	99.3	0.0	0.0%	11	0	4	0	63.6%	0.0%	20	2	13	2	35.0%	0.0%
			BEDROOM		W23/F04	34.2	25	9.2	26.9%									10	2	3	2	28.0%	0.0%						
			BEDROOM		W24/F04	15	15	0	0.0%									0	0	0	0	0.0%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																														
	R14	RESIDENTIAL	BEDROOM		W26/F04	33.8	26	7.8	23.1%	33.8	26	7.8	23.1%	99.8	99.1	0.1	0.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R15	RESIDENTIAL	LKD		W27/F04	28.4	25	3.4	12.0%	29.6	27.2	2.4	8.1%	100	100	0.0	0.0%	1	0	1	0	0.0%	0.0%	57	18	57	18	0.0%	0.0%	
			LKD		W28/F04	32.5	32.5	0	0.0%									56	18	56	18	0.0%	0.0%							
F05	R1	RESIDENTIAL	LKD		W1/F05	39.3	39.3	0	0.0%	39.1	37.3	1.8	4.6%	100	100	0.0	0.0%	80	28	80	28	0.0%	0.0%	99	30	99	30	0.0%	0.0%	
			LKD		W2/F05	39	36.1	2.9	7.4%									67	23	67	23	0.0%	0.0%							
	R2	RESIDENTIAL	LKD		W3/F05	37.6	32.1	5.5	14.6%	28.4	20.9	7.5	26.4%	100	100	0.0	0.0%	64	20	60	20	6.3%	0.0%	67	23	63	23	6.0%	0.0%	
			LKD		W4/F05	38.7	32.5	6.2	16.0%									67	23	62	23	7.5%	0.0%							
			LKD		W5/F05	28.3	11	17.3	61.1%									20	2	15	2	25.0%	0.0%							
			LKD		W6/F05	7.4	3.8	3.6	48.6%									0	0	0	0	0.0%	0.0%							
	R3	RESIDENTIAL	BEDROOM		W7/F05	10.3	3.4	6.9	67.0%	24.2	13.7	10.5	43.4%	82.6	79	0.7	4.4%	10	0	5	0	50.0%	0.0%	20	2	15	2	25.0%	0.0%	
			BEDROOM		W8/F05	37.1	21.5	15.6	42.0%									10	2	5	1	25.0%	0.0%							
			BEDROOM		W9/F05	16.6	16.6	0	0.0%									0	0	0	0	0.0%	0.0%							
	R4	RESIDENTIAL	LKD		W10/F05	11.8	6.3	5.5	46.6%	14.5	10.4	4.1	28.3%	83.4	81.1	0.9	2.8%	1	0	0	0	100.0%	0.0%	39	5	38	5	2.6%	0.0%	
			LKD		W20/F05	21.9	21.9	0	0.0%									38	5	38	5	0.0%	0.0%							
	R5	RESIDENTIAL	BEDROOM		W11/F05	21.1	12.8	8.3	39.3%	30.8	21	9.8	31.8%	98.7	98.5	0.0	0.3%	22	2	16	2	27.3%	0.0%	22	2	16	2	27.3%	0.0%	
			BEDROOM		W12/F05	36.6	23.9	12.7	34.7%									20	2	14	2	30.0%	0.0%							
			BEDROOM		W13/F05	18	18	0	0.0%									0	0	0	0	0.0%	0.0%							
	R7	RESIDENTIAL	BEDROOM		W15/F05	35.7	24.7	11	30.8%	35.7	24.7	11	30.8%	97.1	83.5	1.7	14.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R8	RESIDENTIAL	LKD		W16/F05	36.2	26.5	9.7	26.8%	33.1	27.1	6	18.1%	90	90	0.0	0.0%	19	1	19	1	31.6%	0.0%	85	26	79	26	7.1%	0.0%	
			LKD		W18/F05	22	22	0	0.0%									51	21	51	21	0.0%	0.0%							
			LKD		W19/F05	32	32	0	0.0%									65	24	65	24	0.0%	0.0%							
F06	R3	RESIDENTIAL	LKD		W3/F06	39.6	34	5.6	14.1%	38.9	29.2	9.7	24.9%	99.7	93	3.3	6.8%	68	23	63	23	7.4%	0.0%	68	23	63	23	7.4%	0.0%	
			LKD		W4/F06	38	22.3	15.7	41.3%									30	2	25	2	25.0%	0.0%							
	R4	RESIDENTIAL	BEDROOM		W5/F06	37.9	23.7	14.2	37.5%	37.9	23.7	14.2	37.5%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R5	RESIDENTIAL	BEDROOM		W6/F06	37.8	24.6	13.2	34.9%	37.8	24.6	13.2	34.9%	99.4	99.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R6	RESIDENTIAL	LKD		W7/F06	37.6	26	11.6	30.9%	32.2	27.2	5	15.5%	95.3	95.2	0.0	0.1%	20	2	14	2	30.0%	0.0%	97	28	91	28	6.2%	0.0%	
			LKD		W8/F06	9.5	9.5	0	0.0%									0	0	0	0	0.0%	0.0%							
			LKD		W11/F06	37.4	37.4	0	0.0%									77	26	77	26	0.0%	0.0%							
	R7	RESIDENTIAL	BEDROOM		W9/F06	26.8	18.6	8.2	30.6%	28.4	23.1	5.3	18.7%	65.4	65.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W10/F06	31.1	31.1	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)							
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %			
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER		
103 -114 GUINNESS COURT																															
B01	R1	RESIDENTIAL	BEDROOM		W1/B01	17.1	15.8	1.3	7.6%	17.1	15.8	1.3	7.6%	23.9	19.2	0.5	19.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/B01	17.2	15.9	1.3	7.6%	17.2	15.9	1.3	7.6%	38	36.9	0.1	3.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/B01	17.4	15.9	1.5	8.6%	16.5	15.1	1.4	8.5%	71.5	64.7	1.3	9.5%	7	0	7	0	0.0%	0.0%	33	8	33	8	0.0%	0.0%		
			LIVING ROOM		W4/B01	17.4	15.9	1.5	8.6%									7	0	7	0	0.0%	0.0%								
			LIVING ROOM		W5/B01	14.1	13.1	1	7.1%										26	8	26	8	0.0%	0.0%							
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W6/B01	15.4	15.4	0	0.0%	15.9	15.7	0.2	1.3%	51	51	0.0	0.0%	26	7	26	7	0.0%	0.0%	26	7	26	7	0.0%	0.0%		
			KITCHEN-RESI (1)		W7/B01	17.1	16.4	0.7	4.1%										26	7	26	7	0.0%	0.0%							
	R9	RESIDENTIAL	KITCHEN-RESI (1)		W12/B01	18.9	17	1.9	10.1%	18.9	17.1	1.8	9.5%	50.1	50.1	0.0	0.0%	28	9	28	9	0.0%	0.0%	28	9	28	9	0.0%	0.0%		
			KITCHEN-RESI (1)		W13/B01	18.9	17.2	1.7	9.0%											28	9	28	9	0.0%	0.0%						
	R10	RESIDENTIAL	BEDROOM		W14/B01	19.1	17.5	1.6	8.4%	19.1	17.5	1.6	8.4%	30.8	30.6	0.0	0.8%	28	9	28	9	0.0%	0.0%	28	9	28	9	0.0%	0.0%		
F00	R1	RESIDENTIAL	BEDROOM		W1/F00	20.1	18.1	2	10.0%	20.1	18.1	2	10.0%	35.6	25.6	1.0	28.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F00	20.2	18	2.2	10.9%	20.2	18	2.2	10.9%	53.9	52.8	0.1	2.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/F00	20.4	17.9	2.5	12.3%	20.4	17.9	2.5	12.3%	53.1	39.8	2.5	25.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W4/F00	20.4	17.9	2.5	12.3%											N/A	N/A	N/A	N/A	N/A	N/A						
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F00	20.3	19.6	0.7	3.4%	21	19.8	1.2	5.7%	61.2	61.2	0.0	0.0%	30	7	30	7	0.0%	0.0%	30	7	30	7	0.0%	0.0%		
			KITCHEN-RESI (1)		W6/F00	22.6	20.4	2.2	9.7%											30	7	30	7	0.0%	0.0%						
	R9	RESIDENTIAL	KITCHEN-RESI (1)		W11/F00	22.9	20.7	2.2	9.6%	22.9	20.8	2.1	9.2%	70.1	70.1	0.0	0.0%	32	9	32	9	0.0%	0.0%	32	9	32	9	0.0%	0.0%		
			KITCHEN-RESI (1)		W12/F00	23	20.8	2.2	9.6%											32	9	32	9	0.0%	0.0%						
	R10	RESIDENTIAL	BEDROOM		W13/F00	23.1	21.1	2	8.7%	23.1	21.1	2	8.7%	44.8	44.6	0.0	0.4%	32	9	32	9	0.0%	0.0%	32	9	32	9	0.0%	0.0%		
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	23.3	20.4	2.9	12.4%	23.3	20.4	2.9	12.4%	54.6	36.3	1.8	33.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F01	23.4	20.3	3.1	13.2%	23.4	20.3	3.1	13.2%	77.2	77.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/F01	23.6	20.2	3.4	14.4%	23.7	20.2	3.5	14.8%	68.4	56.9	2.2	16.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W4/F01	23.8	20.1	3.7	15.5%											N/A	N/A	N/A	N/A	N/A	N/A						
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F01	25.1	23.8	1.3	5.2%	25.8	24	1.8	7.0%	83.3	83.3	0.0	0.0%	41	12	41	12	0.0%	0.0%	41	12	41	12	0.0%	0.0%		
			KITCHEN-RESI (1)		W6/F01	27.4	24.4	3	10.9%											41	12	41	12	0.0%	0.0%						
	R9	RESIDENTIAL	KITCHEN-RESI (1)		W11/F01	27.6	25	2.6	9.4%	27.6	25.1	2.5	9.1%	99.7	99.7	0.0	0.0%	40	11	40	11	0.0%	0.0%	40	11	40	11	0.0%	0.0%		
			KITCHEN-RESI (1)		W12/F01	27.6	25.2	2.4	8.7%											40	11	40	11	0.0%	0.0%						
	R10	RESIDENTIAL	BEDROOM		W13/F01	27.7	25.4	2.3	8.3%	27.7	25.4	2.3	8.3%	71.3	71.2	0.0	0.1%	40	11	40	11	0.0%	0.0%	40	11	40	11	0.0%	0.0%		
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	26.5	22.7	3.8	14.3%	26.5	22.7	3.8	14.3%	72.7	52.2	2.0	28.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F02	26.6	22.6	4	15.0%	26.6	22.6	4	15.0%	84.5	84.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/F02	26.9	22.3	4.6	17.1%	27	22.2	4.8	17.8%	85.7	76	1.9	11.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)													
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %									
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER							
103 -114 GUINNESS COURT (CONTINUED)																																					
			LIVING ROOM		W4/F02	27	22.2	4.8	17.8%										N/A	N/A	N/A	N/A	N/A	N/A													
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F02	31.6	28.7	2.9	9.2%	31.6	28.7	2.9	9.2%	96.5	96.5	0.0	0.0%	49	13	49	13	0.0%	0.0%	49	13	49	13	0.0%	0.0%								
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F02	32.6	29.8	2.8	8.6%	32.6	29.8	2.8	8.6%	98	97.7	0.0	0.2%	48	13	48	13	0.0%	0.0%	48	13	48	13	0.0%	0.0%								
	R9	RESIDENTIAL	BEDROOM		W10/F02	32.6	30.1	2.5	7.7%	32.6	30.1	2.5	7.7%	94.3	94.3	0.0	0.0%	47	12	47	12	0.0%	0.0%	47	12	47	12	0.0%	0.0%								
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	29.5	24.7	4.8	16.3%	29.5	24.7	4.8	16.3%	92.3	77.9	1.4	15.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F03	29.5	24.5	5	16.9%	29.5	24.5	5	16.9%	93.3	93.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F03	29.8	24.2	5.6	18.8%	29.8	24.1	5.7	19.1%	94.7	89.7	0.9	5.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F03	29.9	24	5.9	19.7%									N/A	N/A	N/A	N/A	N/A	N/A														
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F03	36.1	33	3.1	8.6%	36.1	33	3.1	8.6%	96.5	96.5	0.0	0.0%	52	15	52	15	0.0%	0.0%	52	15	52	15	0.0%	0.0%								
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F03	36.9	34	2.9	7.9%	36.9	34	2.9	7.9%	98	97.9	0.0	0.1%	52	15	52	15	0.0%	0.0%	52	15	52	15	0.0%	0.0%								
	R9	RESIDENTIAL	BEDROOM		W10/F03	37	34.2	2.8	7.6%	37	34.2	2.8	7.6%	94.3	94.3	0.0	0.0%	52	15	52	15	0.0%	0.0%	52	15	52	15	0.0%	0.0%								
1-15 GUINNESS COURT																																					
B01	R1	RESIDENTIAL	BEDROOM		W1/B01	23.1	16.5	6.6	28.6%	23.1	16.5	6.6	28.6%	50.6	39.7	1.1	21.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/B01	22.3	16	6.3	28.3%	22.3	16	6.3	28.3%	87.9	52.7	2.5	40.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/B01	20.6	15.4	5.2	25.2%	20.2	15.4	4.8	23.8%	60.9	29.8	6.1	51.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/B01	19.9	15.4	4.5	22.6%									N/A	N/A	N/A	N/A	N/A	N/A														
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/B01	14.1	14.1	0	0.0%	15.4	15.4	0	0.0%	49.8	49.8	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W6/B01	16.6	16.6	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A														
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W10/B01	18	18	0	0.0%	18	18	0	0.0%	50.3	50.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W11/B01	18.1	18.1	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A														
	R9	RESIDENTIAL	BEDROOM		W12/B01	18.3	18.3	0	0.0%	18.3	18.3	0	0.0%	31	31	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F00	R1	RESIDENTIAL	BEDROOM		W1/F00	26.6	19.1	7.5	28.2%	26.6	19.1	7.5	28.2%	70.8	65.5	0.5	7.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F00	26	18.7	7.3	28.1%	26	18.7	7.3	28.1%	89.8	56.8	2.3	36.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F00	24.4	17.8	6.6	27.0%	24.1	17.8	6.3	26.1%	72.8	45.3	5.4	37.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F00	23.8	17.7	6.1	25.6%									N/A	N/A	N/A	N/A	N/A	N/A														
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F00	17.7	17.7	0	0.0%	19.2	19.2	0	0.0%	60.4	60.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W6/F00	20.6	20.6	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A														
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W10/F00	21.7	21.7	0	0.0%	21.8	21.8	0	0.0%	69.9	69.9	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W11/F00	21.8	21.8	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A														
	R9	RESIDENTIAL	BEDROOM		W12/F00	22	22	0	0.0%	22	22	0	0.0%	44.8	44.8	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)															
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %											
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER									
1-15 GUINNESS COURT (CONTINUED)																																							
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	29.3	20.9	8.4	28.7%	29.3	20.9	8.4	28.7%	79.6	74.9	0.5	5.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	R2	RESIDENTIAL	BEDROOM		W2/F01	29.1	20.9	8.2	28.2%	29.1	20.9	8.2	28.2%	89.9	57.7	2.3	35.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	R3	RESIDENTIAL	LIVING ROOM		W3/F01	28.3	20.4	7.9	27.9%	28	20.3	7.7	27.5%	83.9	72.7	2.2	13.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			LIVING ROOM		W4/F01	27.7	20.2	7.5	27.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F01	21.7	21.7	0	0.0%	23.2	23.2	0	0.0%	83.4	83.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			KITCHEN-RESI (1)		W6/F01	24.7	24.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W10/F01	26	26	0	0.0%	26	26	0	0.0%	99.5	99.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			KITCHEN-RESI (1)		W11/F01	26	26	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R9	RESIDENTIAL	BEDROOM		W12/F01	26.2	26.2	0	0.0%	26.2	26.2	0	0.0%	71.1	71.1	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	31.3	22.3	9	28.8%	31.3	22.3	9	28.8%	87	82.4	0.5	5.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	BEDROOM		W2/F02	31.2	22.3	8.9	28.5%	31.2	22.3	8.9	28.5%	89.9	58.5	2.2	34.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/F02	30.8	22.3	8.5	27.6%	30.7	22.3	8.4	27.4%	89.1	78.6	2.0	11.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W4/F02	30.6	22.3	8.3	27.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F02	28.3	28.3	0	0.0%	28.3	28.3	0	0.0%	97.3	97.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F02	30.5	30.5	0	0.0%	30.5	30.5	0	0.0%	97.5	97.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R9	RESIDENTIAL	BEDROOM		W10/F02	30.6	30.6	0	0.0%	30.6	30.6	0	0.0%	94.1	94.1	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	32.9	23.6	9.3	28.3%	32.9	23.6	9.3	28.3%	92.5	88.2	0.4	4.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F03	32.8	23.7	9.1	27.7%	32.8	23.7	9.1	27.7%	93.5	68.5	1.8	26.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/F03	32.4	23.7	8.7	26.9%	32.3	23.8	8.5	26.3%	96.3	87.7	1.7	8.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W4/F03	32.3	23.8	8.5	26.3%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F03	32.7	32.7	0	0.0%	32.7	32.7	0	0.0%	97.5	97.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F03	34.3	34.3	0	0.0%	34.3	34.3	0	0.0%	97.5	97.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R9	RESIDENTIAL	BEDROOM		W10/F03	34.4	34.4	0	0.0%	34.4	34.4	0	0.0%	94.2	94.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RAQUEL COURT																																							
F01	R1	RESIDENTIAL	LKD		W1/F01	29.8	19.6	10.2	34.2%	29.9	19.5	10.4	34.8%	100	92.2	1.1	7.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LKD		W2/F01	29.9	19.5	10.4	34.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LKD		W3/F01	29.9	19.5	10.4	34.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LKD		W4/F01	29.9	19.5	10.4	34.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W5/F01	30.3	19.9	10.4	34.3%	30.2	19.9	10.3	34.1%	100	92.4	0.5	7.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W6/F01	30.2	19.9	10.3	34.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)											
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS %	LOSS %	EX.	PR.	LOSS %	LOSS %	EX.	PR.	LOSS %	LOSS %						
						%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER			
RAQUEL COURT (CONTINUED)																																			
	R3	RESIDENTIAL	BEDROOM		W7/F01	30.2	20.5	9.7	32.1%	30.1	21	9.1	30.2%	100	99.6	0.1	0.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W8/F01	30.1	20.6	9.5	31.6%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W9/F01	30.1	21.5	8.6	28.6%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W10/F01	30	21.6	8.4	28.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	LIVING ROOM		W11/F01	30.2	23.4	6.8	22.5%	30.4	24	6.4	21.1%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W12/F01	30.3	23.6	6.7	22.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W13/F01	30.7	24.9	5.8	18.9%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R5	RESIDENTIAL	BEDROOM		W14/F01	32	29	3	9.4%	32	29	3	9.4%	98.7	97.2	0.2	1.6%	45	12	45	12	0.0%	0.0%	45	12	45	12	0.0%	0.0%	45	12	45	12	0.0%	0.0%
	R6	RESIDENTIAL	BEDROOM		W15/F01	32.4	29.5	2.9	9.0%	32.4	29.5	2.9	9.0%	99.3	97.9	0.1	1.4%	46	12	46	12	0.0%	0.0%	46	12	46	12	0.0%	0.0%	46	12	46	12	0.0%	0.0%
	R7	RESIDENTIAL	BEDROOM		W16/F01	32.6	29.8	2.8	8.6%	32.6	29.8	2.8	8.6%	99.2	97.8	0.2	1.4%	46	12	46	12	0.0%	0.0%	46	12	46	12	0.0%	0.0%	46	12	46	12	0.0%	0.0%
F02	R1	RESIDENTIAL	LKD		W1/F02	31.5	20.8	10.7	34.0%	31.6	20.7	10.9	34.5%	100	92.4	1.0	7.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LKD		W2/F02	31.6	20.7	10.9	34.5%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LKD		W3/F02	31.6	20.7	10.9	34.5%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LKD		W4/F02	31.7	20.6	11.1	35.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W5/F02	32	20.9	11.1	34.7%	32	20.8	11.2	35.0%	100	93.6	0.4	6.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W6/F02	31.9	20.8	11.1	34.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	BEDROOM		W7/F02	31.9	21.5	10.4	32.6%	31.8	22	9.8	30.8%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W8/F02	31.8	21.6	10.2	32.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W9/F02	31.8	22.5	9.3	29.2%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W10/F02	31.9	22.7	9.2	28.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	LIVING ROOM		W11/F02	32	24.7	7.3	22.8%	32.1	25.3	6.8	21.2%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W12/F02	32	24.8	7.2	22.5%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W13/F02	32.4	26.1	6.3	19.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R5	RESIDENTIAL	BEDROOM		W14/F02	33.5	30.2	3.3	9.9%	33.5	30.2	3.3	9.9%	98.7	97.3	0.2	1.5%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%
	R6	RESIDENTIAL	BEDROOM		W15/F02	33.8	30.6	3.2	9.5%	33.8	30.6	3.2	9.5%	99.3	98	0.1	1.3%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%
	R7	RESIDENTIAL	BEDROOM		W16/F02	33.9	30.9	3	8.8%	33.9	30.9	3	8.8%	99.2	97.8	0.2	1.4%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%
F03	R1	RESIDENTIAL	LKD		W1/F03	33.2	21.9	11.3	34.0%	33.2	21.8	11.4	34.3%	100	92.6	1.0	7.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LKD		W2/F03	33.2	21.9	11.3	34.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LKD		W3/F03	33.3	21.8	11.5	34.5%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LKD		W4/F03	33.3	21.7	11.6	34.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W5/F03	33.4	21.8	11.6	34.7%	33.4	21.8	11.6	34.7%	100	94.8	0.4	5.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER

RAQUEL COURT (CONTINUED)

			BEDROOM		W6/F03	33.4	21.7	11.7	35.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R3	RESIDENTIAL		BEDROOM		W7/F03	33.4	22.4	11	32.9%	33.4	22.9	10.5	31.4%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W8/F03	33.5	22.5	11	32.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W9/F03	33.4	23.5	9.9	29.6%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W10/F03	33.4	23.6	9.8	29.3%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R4	RESIDENTIAL		LIVING ROOM		W11/F03	33.6	25.6	8	23.8%	33.7	26.2	7.5	22.3%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W12/F03	33.6	25.8	7.8	23.2%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W13/F03	33.9	27.1	6.8	20.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R5	RESIDENTIAL		BEDROOM		W14/F03	34.7	31.2	3.5	10.1%	34.7	31.2	3.5	10.1%	98.7	97.4	0.2	14%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%	48	14	48	14
R6	RESIDENTIAL		BEDROOM		W15/F03	34.8	31.5	3.3	9.5%	34.8	31.5	3.3	9.5%	99.3	98.1	0.1	12%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%	48	14	48	14
R7	RESIDENTIAL		BEDROOM		W16/F03	34.9	31.8	3.1	8.9%	34.9	31.8	3.1	8.9%	99.2	98	0.1	12%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%	48	14	48	14
F04	R1	RESIDENTIAL	ASSUMED-RESI		W1/F04	33.1	22.4	10.7	32.3%	33.1	22.4	10.7	32.3%	100	84.5	1.8	15.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	ASSUMED-RESI		W2/F04	33.5	22.7	10.8	32.2%	33.5	22.9	10.6	31.6%	99.9	98.9	0.1	10%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			ASSUMED-RESI		W3/F04	33.4	23.4	10	29.9%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	ASSUMED-RESI		W4/F04	33.4	24.9	8.5	25.4%	33.4	24.9	8.5	25.4%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	ASSUMED-RESI		W5/F04	34.1	30.3	3.8	11.1%	34.1	30.3	3.8	11.1%	100	99.8	0.0	0.2%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13
	R5	RESIDENTIAL	ASSUMED-RESI		W6/F04	34.2	30.8	3.4	9.9%	34.2	30.8	3.4	9.9%	100	99.9	0.0	0.1%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13
	R6	RESIDENTIAL	ASSUMED-RESI		W7/F04	34.4	31.4	3	8.7%	34.4	31.4	3	8.7%	100	100	0.0	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13

LA SALETTE CHURCH

F00	R1	NON-COMMERCIAL	RELIGIOUS		W1/F00	22	17.5	4.5	20.5%	16.4	14.2	2.2	13.4%	83.7	83.6	0.1	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			RELIGIOUS		W2/F00	20.6	16.7	3.9	18.9%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W1/F01 (dup.)	26	21.1	4.9	18.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W2/F01 (dup.)	24.6	19.9	4.7	19.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W3/F01 (dup.)	25	20.4	4.6	18.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W4/F01 (dup.)	24.1	20.2	3.9	16.2%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W5/F01 (dup.)	25.1	20.5	4.6	18.3%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W6/F01 (dup.)	23.2	18.7	4.5	19.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W7/F01 (dup.)	26.2	21.6	4.6	17.6%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W8/F01 (dup.)	18.8	18.8	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W9/F01 (dup.)	24.5	20.1	4.4	18.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
LA SALETTE CHURCH (CONTINUED)																													
			RELIGIOUS		W10/F01 (dup.)	24.7	20.3	4.4	17.8%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W11/F01 (dup.)	24.5	20.4	4.1	16.7%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W15/F01 (dup.)	6.1	6.1	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W16/F01 (dup.)	8.4	8.4	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W17/F01 (dup.)	9.6	9.6	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W18/F01 (dup.)	10.3	10.3	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W19/F01 (dup.)	10.6	10.6	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W20/F01 (dup.)	9.5	9.5	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W21/F01 (dup.)	6.2	6.2	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W22/F01 (dup.)	3.6	3.6	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
	R2	NON-COMMERCIAL	RELIGIOUS		W3/F00	21.2	17.7	3.5	16.5%	21.2	17.7	3.5	16.5%	44.3	39.6	0.2	10.6%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	NON-COMMERCIAL	RELIGIOUS		W1/F01	26	21.1	4.9	18.8%	16.1	14	2.1	13.0%	88.2	87.5	0.3	0.8%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			RELIGIOUS		W2/F01	24.6	19.9	4.7	19.1%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W3/F01	25	20.4	4.6	18.4%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W4/F01	24.1	20.2	3.9	16.2%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W5/F01	25.1	20.5	4.6	18.3%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W6/F01	23.2	18.7	4.5	19.4%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W7/F01	26.2	21.6	4.6	17.6%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W8/F01	18.8	18.8	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W9/F01	24.5	20.1	4.4	18.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W10/F01	24.7	20.3	4.4	17.8%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W11/F01	24.5	20.4	4.1	16.7%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W15/F01	6.1	6.1	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W16/F01	8.4	8.4	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W17/F01	9.6	9.6	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W18/F01	10.3	10.3	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W19/F01	10.6	10.6	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W20/F01	9.5	9.5	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W21/F01	6.2	6.2	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W22/F01	3.6	3.6	0	0.0%										N/A	N/A	N/A	N/A	N/A	N/A					
	R2	NON-COMMERCIAL	RELIGIOUS		W12/F01	23.9	20.2	3.7	15.5%	23.6	20	3.6	15.3%	89.8	83.8	1.5	6.7%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)													
						EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %									
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER							
LA SALETTE CHURCH (CONTINUED)																																					
			RELIGIOUS		W13/F01	23.3	19.7	3.6	15.5%									N/A	N/A	N/A	N/A	N/A	N/A														
R3	NON-COMMERCIAL		RELIGIOUS		W14/F01	22.5	19.1	3.4	15.1%	22.5	19.1	3.4	15.1%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
14 MELIOR STREET																																					
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	22.9	17.5	5.4	23.6%	22.8	17.4	5.4	23.7%	85.7	82.1	0.7	4.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W2/F00	22.6	17.4	5.2	23.0%									N/A	N/A	N/A	N/A	N/A	N/A														
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	26.5	20.8	5.7	21.5%	26.4	20.8	5.6	21.2%	98.8	98.6	0.1	0.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W2/F01	26.2	20.8	5.4	20.6%									N/A	N/A	N/A	N/A	N/A	N/A														
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	29.2	23.2	6	20.5%	29.6	23.6	6	20.3%	98.4	97.7	0.1	0.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W2/F02	31.2	25.1	6.1	19.6%									N/A	N/A	N/A	N/A	N/A	N/A														
			UNKNOWN-RESI		W3/F02	29	23.2	5.8	20.0%									N/A	N/A	N/A	N/A	N/A	N/A														
SNOWFIELDS PRIMARY SCHOOL																																					
F00	R1	EDUCATIONAL	EDUCATIONAL		W1/F00	33.4	33.2	0.2	0.6%	32.4	31.4	1	3.1%	99.6	99.6	0.0	0.0%	46	12	46	12	0.0%	0.0%	47	13	47	13	0.0%	0.0%								
			EDUCATIONAL		W2/F00	33.4	33.1	0.3	0.9%									47	13	47	13	0.0%	0.0%														
			EDUCATIONAL		W3/F00	33.2	32.9	0.3	0.9%									47	13	47	13	0.0%	0.0%														
			EDUCATIONAL		W4/F00	25.8	19.2	6.6	25.6%									4	0	4	0	0.0%	0.0%														
	R2	EDUCATIONAL	EDUCATIONAL		W5/F00	27	20.4	6.6	24.4%	26.4	19.9	6.5	24.6%	85.4	67.2	7.6	21.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			EDUCATIONAL		W7/F00	25.9	19.4	6.5	25.1%									N/A	N/A	N/A	N/A	N/A	N/A														
	R3	EDUCATIONAL	EDUCATIONAL		W6/F00	31.6	24.7	6.9	21.8%	31.6	24.7	6.9	21.8%	99.9	96.9	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	EDUCATIONAL	EDUCATIONAL		W1/F01	28.1	21.1	7	24.9%	27.6	20.6	7	25.4%	92.9	68.9	10.0	25.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			EDUCATIONAL		W3/F01	27	20.1	6.9	25.6%									N/A	N/A	N/A	N/A	N/A	N/A														
	R2	EDUCATIONAL	EDUCATIONAL		W2/F01	32.9	25.6	7.3	22.2%	32.9	25.6	7.3	22.2%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R1	EDUCATIONAL	EDUCATIONAL		W1/F02	36.4	36.2	0.2	0.5%	35.5	34.5	1	2.8%	99.6	99.6	0.0	0.0%	49	14	49	14	0.0%	0.0%	49	14	49	14	0.0%	0.0%								
			EDUCATIONAL		W2/F02	36.6	36.4	0.2	0.5%									49	14	49	14	0.0%	0.0%														
			EDUCATIONAL		W3/F02	36.4	36.2	0.2	0.5%									49	14	49	14	0.0%	0.0%														
			EDUCATIONAL		W4/F02	27.7	20.5	7.2	26.0%									5	0	5	0	0.0%	0.0%														
	R2	EDUCATIONAL	EDUCATIONAL		W5/F02	29.1	21.8	7.3	25.1%	28.6	21.3	7.3	25.5%	93.5	70.6	9.5	24.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			EDUCATIONAL		W7/F02	28.1	20.7	7.4	26.3%									N/A	N/A	N/A	N/A	N/A	N/A														
	R3	EDUCATIONAL	EDUCATIONAL		W6/F02	34	26.4	7.6	22.4%	34	26.4	7.6	22.4%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F03	R1	EDUCATIONAL	EDUCATIONAL		W1/F03	29.9	22.3	7.6	25.4%	29.4	21.8	7.6	25.9%	93.7	71.4	9.3	23.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)															
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %											
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER									
SNOWFIELDS PRIMARY SCHOOL (CONTINUED)																																							
			EDUCATIONAL		W3/F03	28.9	21.3	7.6	26.3%									N/A	N/A	N/A	N/A	N/A	N/A																
	R2	EDUCATIONAL	EDUCATIONAL		W2/F03	34.7	27	7.7	22.2%	34.7	27	7.7	22.2%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
F04	R1	EDUCATIONAL	EDUCATIONAL		W1/F04	38.1	37.9	0.2	0.5%	37.6	36.7	0.9	2.4%	99.6	99.6	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%										
			EDUCATIONAL		W2/F04	38.5	38.2	0.3	0.8%									50	15	50	15	0.0%	0.0%																
			EDUCATIONAL		W3/F04	38.1	37.8	0.3	0.8%									50	15	50	15	0.0%	0.0%																
			EDUCATIONAL		W4/F04	29.9	22.6	7.3	24.4%									5	5	5	5	0.0%	0.0%																
	R2	EDUCATIONAL	EDUCATIONAL		W5/F04	30.5	22.8	7.7	25.2%	30	22.3	7.7	25.7%	93.5	70.6	9.5	24.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			EDUCATIONAL		W7/F04	29.4	21.8	7.6	25.9%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R3	EDUCATIONAL	EDUCATIONAL		W6/F04	35.3	27.5	7.8	22.1%	35.3	27.5	7.8	22.1%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F05	R1	EDUCATIONAL	EDUCATIONAL		W1/F05	31.7	24.1	7.6	24.0%	31.2	23.6	7.6	24.4%	94	78.1	6.6	17.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			EDUCATIONAL		W3/F05	30.6	23	7.6	24.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	EDUCATIONAL	EDUCATIONAL		W2/F05	35.8	28	7.8	21.8%	35.8	28	7.8	21.8%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
8-20 SNOWFIELDS																																							
F00	R4	RESIDENTIAL	LIVING ROOM		W8/F00	23.9	11.4	12.5	52.3%	23.9	11.4	12.5	52.3%	90.2	70.4	3.3	22.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R5	RESIDENTIAL	KITCHEN (1)		W9/F00	24.2	12	12.2	50.4%	24.2	12	12.2	50.4%	98.3	54.5	3.1	44.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	4.4	2	2.4	54.5%	4.2	1.7	2.5	59.5%	92.6	55.6	3.4	40.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			BEDROOM		W2/F01	3.9	11	2.8	71.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	KITCHEN (1)		W3/F01	4.1	0.8	3.3	80.5%	4.1	0.8	3.3	80.5%	73.6	20.5	3.2	72.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R4	RESIDENTIAL	LIVING ROOM		W5/F01	5.5	0.7	4.8	87.3%	5.6	0.7	4.9	87.5%	98.3	66.3	3.5	32.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W6/F01	6	0.8	5.2	86.7%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R5	RESIDENTIAL	LIVING ROOM		W7/F01	6.4	1	5.4	84.4%	6.2	0.7	5.5	88.7%	97.9	64.6	3.7	34.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W8/F01	6.1	0.6	5.5	90.2%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R7	RESIDENTIAL	KITCHEN (1)		W10/F01	7.5	1.8	5.7	76.0%	7.5	1.8	5.7	76.0%	96.8	71.2	1.3	26.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R8	RESIDENTIAL	LIVING ROOM		W11/F01	7.8	2.1	5.7	73.1%	7.9	2.2	5.7	72.2%	98.2	73	2.9	25.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W12/F01	7.9	2.2	5.7	72.2%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W13/F01	7.9	2.3	5.6	70.9%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R9	RESIDENTIAL	BEDROOM		W14/F01	10.3	4.6	5.7	55.3%	10.3	4.6	5.7	55.3%	97.2	82.8	1.4	14.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R1	RESIDENTIAL	KITCHEN (1)		W1/F02	23.9	11.4	12.5	52.3%	23.9	11.4	12.5	52.3%	99.6	54.5	3.7	45.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	KITCHEN (1)		W3/F02	27.4	11.2	16.2	59.1%	27.4	11.2	16.2	59.1%	98.1	63.6	2.1	35.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	KITCHEN (1)		W4/F02	27.2	10.9	16.3	59.9%	27.2	10.9	16.3	59.9%	99	38.2	3.5	61.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)														
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %										
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER								
<b>8-20 SNOWFIELDS (CONTINUED)</b>																																						
	R8	RESIDENTIAL	KITCHEN (1)		W8/F02	29.4	14.4	15	51.0%	29.4	14.4	15	51.0%	99.6	69	14	30.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F03	R2	RESIDENTIAL	BEDROOM		W2/F03	26.7	10.8	15.9	59.6%	26.7	10.8	15.9	59.6%	95.9	58	4.4	39.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R5	RESIDENTIAL	BEDROOM		W5/F03	28.8	10.7	18.1	62.8%	28.8	10.7	18.1	62.8%	98.2	69.5	3.3	29.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R7	RESIDENTIAL	BEDROOM		W7/F03	29.3	11.6	17.7	60.4%	29.3	11.6	17.7	60.4%	97.9	67.9	3.5	30.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R9	RESIDENTIAL	BEDROOM		W9/F03	29.5	12.8	16.7	56.6%	29.5	12.8	16.7	56.6%	98.9	78.7	1.9	20.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R10	RESIDENTIAL	BEDROOM		W10/F03	29.5	13.5	16	54.2%	29.5	13.5	16	54.2%	99.1	79.1	1.9	20.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R11	RESIDENTIAL	BEDROOM		W11/F03	29.4	14.2	15.2	51.7%	29.4	14.2	15.2	51.7%	99	83.7	1.4	15.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
<b>38 SNOWFIELDS</b>																																						
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	10.1	9.4	0.7	6.9%	10.1	9.4	0.7	6.9%	22.9	22.6	0.0	11%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	14.3	13.4	0.9	6.3%	14.3	13.4	0.9	6.3%	43.5	43.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	9.9	9.9	0	0.0%	9.9	9.9	0	0.0%	16	15.8	0.0	13%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	18.4	17.1	1.3	7.1%	18.4	17.1	1.3	7.1%	67.3	67.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F02	12.9	12.9	0	0.0%	12.9	12.9	0	0.0%	23.4	23.2	0.0	11%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	21.6	19.5	2.1	9.7%	21.6	19.5	2.1	9.7%	85.2	85.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F03	16.5	16.3	0.2	1.2%	16.5	16.3	0.2	1.2%	36.6	36.1	0.1	16%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	21.6	20.8	0.8	3.7%	21.6	20.8	0.8	3.7%	75.2	73.2	0.3	2.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
<b>39 SNOWFIELDS</b>																																						
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	7.2	6.1	1.1	15.3%	7.2	6.1	1.1	15.3%	25.6	21.1	0.4	17.5%	1	0	1	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%									
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	8.6	7.6	1	11.6%	9.6	8.6	1	10.4%	33.8	33.7	0.0	0.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W3/F01	11.1	10.2	0.9	8.1%									N/A	N/A	N/A	N/A	N/A	N/A															
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	16.2	14.5	1.7	10.5%	11	9.3	1.7	15.5%	46.9	38.5	0.7	17.9%	0	0	0	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%									
			UNKNOWN-RESI		W2/F02	9.7	8	1.7	17.5%									1	0	1	0	0.0%	0.0%															
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F02	11.4	9.8	1.6	14.0%	12.8	11.3	1.5	11.7%	54.1	54.1	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W4/F02	15.1	13.7	1.4	9.3%									N/A	N/A	N/A	N/A	N/A	N/A															
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	23.3	21.1	2.2	9.4%	15.1	12.9	2.2	14.6%	68	58.8	0.8	13.6%	0	0	0	0	0.0%	0.0%	3	0	3	0	0.0%	0.0%									
			UNKNOWN-RESI		W2/F03	13.1	10.8	2.3	17.6%									3	0	3	0	0.0%	0.0%															
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F03	14.2	12.2	2	14.1%	16.1	14.1	2	12.4%	85.4	85.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W4/F03	19	17.1	1.9	10.0%									N/A	N/A	N/A	N/A	N/A	N/A															
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	17.6	16.1	1.5	8.5%	22.9	20	2.9	12.7%	83.5	82	0.1	18%	N/A	0	0	0	0	0.0%	0.0%	30	0	30	0	0.0%	0.0%								

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
39 SNOWFIELDS (CONTINUED)																														
			UNKNOWN-RESI		W2/F04	24.2	21	3.2	13.2%									30	0	30	0	0.0%	0.0%							
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F04	22.4	19.8	2.6	11.6%	22.4	19.8	2.6	11.6%	95	93.1	0.3	2.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
40 SNOWFIELDS																														
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	7.6	7.4	0.2	2.6%	6.5	6.4	0.1	1.5%	25	24.8	0.0	0.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W2/F01	5.8	5.8	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F01	5.1	5.1	0	0.0%	5.1	5.1	0	0.0%	22.3	22.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	12.8	12.6	0.2	1.6%	10.7	10.6	0.1	0.9%	44.4	44.2	0.0	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W2/F02	9.4	9.4	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F02	7.5	7.5	0	0.0%	8.7	8.3	0.4	4.6%	39.9	39.7	0.0	0.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W4/F02	13.4	11.6	1.8	13.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	20.2	19.9	0.3	1.5%	17.1	17	0.1	0.6%	96.1	95.8	0.0	0.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W2/F03	15.1	15.1	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F03	12.3	12.3	0	0.0%	14.5	14.1	0.4	2.8%	74.7	74.7	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W4/F03	23.3	21.1	2.2	9.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	22.6	22.6	0	0.0%	22.6	22.6	0	0.0%	92.1	90.3	0.3	2.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F04	23.4	23.4	0	0.0%	24.3	23.7	0.6	2.5%	97.2	97.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W3/F04	27.8	25.1	2.7	9.7%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
41 SNOWFIELDS																														
F01	R2	RESIDENTIAL	BEDROOM		W2/F01	6.9	6.8	0.1	1.4%	6.9	6.8	0.1	1.4%	41.6	39.9	0.1	4.0%	0	0	0	0	0.0%	0.0%	0	0	0	0	0.0%	0.0%	
F02	R2	RESIDENTIAL	BEDROOM		W2/F02	11.8	10.2	1.6	13.6%	11.8	10.2	1.6	13.6%	66.9	55.4	0.6	17.2%	1	0	1	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%	
F03	R2	RESIDENTIAL	BEDROOM		W2/F03	19.3	16.2	3.1	16.1%	19.3	16.2	3.1	16.1%	83.3	65.1	0.9	21.9%	17	0	16	0	5.9%	0.0%	17	0	16	0	5.9%	0.0%	
F04	R2	RESIDENTIAL	BEDROOM		W2/F04	27.6	23.9	3.7	13.4%	27.6	23.9	3.7	13.4%	84	67.6	0.8	19.4%	40	3	38	3	5.0%	0.0%	40	3	38	3	5.0%	0.0%	
42 SNOWFIELDS																														
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	10.1	10.1	0	0.0%	10.1	10.1	0	0.0%	62.4	62.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	10.6	10.2	0.4	3.8%	10.6	10.2	0.4	3.8%	46.6	46.6	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	13.3	13.3	0	0.0%	13.3	13.3	0	0.0%	80.8	80.8	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN-RESI		W3/F01	9.1	9.1	0	0.0%	9.1	9.1	0	0.0%	35.8	35.8	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	UNKNOWN-RESI		W4/F01	6.5	6.5	0	0.0%	6.8	6.8	0	0.0%	31.1	31.1	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m



FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)				APSH (ROOM)							
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%		%	%	%		%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
64 WESTON STREET (CONTINUED)																													
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	17.7	14.8	2.9	16.4%	17.7	14.8	2.9	16.4%	74.3	72.9	0.1	1.9%	28	6	26	6	7.1%	0.0%	28	6	26	6	7.1%	0.0%
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F02	12	12	0	0.0%	12	12	0	0.0%	39.4	39.4	0.0	0.1%	30	6	30	6	0.0%	0.0%	30	6	30	6	0.0%	0.0%
F03	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F03	16.3	16.3	0	0.0%	16.3	16.3	0	0.0%	56	55.9	0.0	0.0%	42	8	42	8	0.0%	0.0%	42	8	42	8	0.0%	0.0%
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	25.7	23.7	2	7.8%	25.7	23.7	2	7.8%	68.6	55.6	1.8	19.0%	44	10	41	10	6.8%	0.0%	44	10	41	10	6.8%	0.0%
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F04	20.8	20.8	0	0.0%	20.8	20.8	0	0.0%	83.6	83.6	0.0	0.0%	42	10	42	10	0.0%	0.0%	42	10	42	10	0.0%	0.0%
66 WESTON STREET																													
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	28.7	25.4	3.3	11.5%	28.7	25.4	3.3	11.5%	97.1	95.1	0.3	2.1%	44	10	41	10	6.8%	0.0%	44	10	41	10	6.8%	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

Future Baseline V Cumulative A

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
16 MELIOR STREET																													
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	2.1	1.4	0.7	33.3%	22	8.3	13.7	62.3%	91.8	74.4	2.4	19.0%	0	0	0	0	0.0%	0.0%	17	2	9	2	47.1%	0.0%
			BEDROOM		W2/F01	21.2	10.7	10.5	49.5%									0	0	0	0	83.3%	0.0%						
			BEDROOM		W3/F01	26.8	9.9	16.9	63.1%									17	2	9	2	47.1%	0.0%						
			BEDROOM		W4/F01	26.9	8.4	18.5	68.8%									17	2	9	2	47.1%	0.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F01	27	6.7	20.3	75.2%	27	6.7	20.3	75.2%	93.2	68.5	2.8	26.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F01	7	0.9	6.1	87.1%	18.7	7.5	11.2	59.9%	88	71.2	6.8	19.1%	7	0	0	0	100.0%	0.0%	47	13	38	13	19.1%	0.0%
			LKD		W7/F01	26.9	3.2	23.7	88.1%									16	2	8	2	50.0%	0.0%						
			LKD		W8/F01	26.8	5.6	21.2	79.1%									16	2	8	2	50.0%	0.0%						
			LKD		W9/F01	11.5	11.5	0	0.0%									23	10	23	10	0.0%	0.0%						
			LKD		W10/F01	11.6	11.6	0	0.0%									27	11	27	11	0.0%	0.0%						
			LKD		W11/F01	12.2	12.1	0.1	0.8%									30	11	30	11	0.0%	0.0%						
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	2.4	1.7	0.7	29.2%	23.5	9.2	14.3	60.9%	95.9	90.5	0.7	5.6%	0	0	0	0	0.0%	0.0%	19	2	11	2	42.1%	0.0%
			BEDROOM		W2/F02	22.9	12	10.9	47.6%									7	0	2	0	71.4%	0.0%						
			BEDROOM		W3/F02	28.6	11	17.6	61.5%									19	2	10	2	44.4%	0.0%						
			BEDROOM		W4/F02	28.7	9.3	19.4	67.6%									19	2	11	2	42.1%	0.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F02	28.8	7.4	21.4	74.3%	28.8	7.4	21.4	74.3%	99.3	79.6	2.3	19.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F02	7.6	1.1	6.5	85.5%	19.9	8	11.9	59.8%	97	76.4	8.3	21.2%	8	0	3	0	62.5%	0.0%	48	13	41	13	14.6%	0.0%
			LKD		W7/F02	28.7	3.5	25.2	87.8%									17	2	8	2	52.9%	0.0%						
			LKD		W8/F02	28.5	6.1	22.4	78.6%									18	2	8	2	55.6%	0.0%						
			LKD		W9/F02	12.4	12.3	0.1	0.8%									23	10	23	10	0.0%	0.0%						
			LKD		W10/F02	12.4	12.4	0	0.0%									27	11	27	11	0.0%	0.0%						
			LKD		W11/F02	13	12.9	0.1	0.8%									30	11	30	11	0.0%	0.0%						
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	30.8	23.5	7.3	23.7%	30.8	14.5	16.3	52.9%	99.1	95.9	0.4	3.2%	48	9	40	9	16.7%	0.0%	48	9	40	9	16.7%	0.0%
			BEDROOM		W2/F03	32.2	19.4	12.8	39.8%									12	4	24	4	25.0%	0.0%						
			BEDROOM		W3/F03	30.5	12	18.5	60.7%									19	2	11	2	42.1%	0.0%						
			BEDROOM		W4/F03	30.5	10	20.5	67.2%									19	2	11	2	42.1%	0.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F03	30.5	7.9	22.6	74.1%	30.5	7.9	22.6	74.1%	99.3	79.5	2.3	20.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F03	8.2	1.2	7	85.4%	21.1	8.5	12.6	59.7%	100	82.3	7.1	17.7%	9	0	4	0	55.6%	0.0%	50	13	43	13	14.0%	0.0%
			LKD		W7/F03	30.4	3.7	26.7	87.8%									19	2	8	2	57.9%	0.0%						
			LKD		W8/F03	30.2	6.5	23.7	78.5%									19	2	8	2	57.9%	0.0%						
			LKD		W9/F03	13.2	13.2	0	0.0%									24	10	24	10	0.0%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
16 MELIOR STREET (CONTINUED)																														
			LKD		W10/F03	13.2	13.1	0.1	0.8%										27	11	27	11	0.0%	0.0%						
			LKD		W11/F03	13.7	13.7	0	0.0%										30	11	30	11	0.0%	0.0%						
F04	R1	RESIDENTIAL	BEDROOM		W1/F04	34.5	27.1	7.4	21.4%	32.9	15.9	17	51.7%	99.1	96.1	0.4	3.1%		56	17	48	17	14.3%	0.0%	56	17	48	17	14.3%	0.0%
			BEDROOM		W2/F04	34.3	21	13.3	38.8%										35	7	27	7	22.9%	0.0%						
			BEDROOM		W3/F04	32.2	12.9	19.3	59.9%											19	2	11	2	42.1%	0.0%					
			BEDROOM		W4/F04	32.2	10.7	21.5	66.8%											19	2	11	2	42.1%	0.0%					
	R2	RESIDENTIAL	BEDROOM		W5/F04	32.2	8.4	23.8	73.9%	32.2	8.4	23.8	73.9%	99.3	79.5	2.3	20.0%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F04	8.8	1.2	7.6	86.4%	22.3	9	13.3	59.6%	100	89.7	4.1	10.3%		9	0	3	0	66.7%	0.0%	50	13	42	13	16.0%	0.0%
			LKD		W7/F04	32	3.9	28.1	87.8%											19	2	8	2	57.9%	0.0%					
			LKD		W8/F04	31.8	6.9	24.9	78.3%												19	2	8	2	57.9%	0.0%				
			LKD		W9/F04	14	14	0	0.0%												24	10	24	10	0.0%	0.0%				
			LKD		W10/F04	13.9	13.8	0.1	0.7%												27	11	27	11	0.0%	0.0%				
			LKD		W11/F04	14.4	14.4	0	0.0%												30	11	30	11	0.0%	0.0%				
F05	R1	RESIDENTIAL	BEDROOM		W1/F05	36.5	27.9	8.6	23.6%	34.3	15.5	18.8	54.8%	98.9	95.8	0.4	3.2%		48	14	40	14	16.7%	0.0%	48	14	41	14	14.6%	0.0%
			BEDROOM		W2/F05	35.3	18.7	16.6	47.0%											33	4	21	4	27.6%	0.0%					
			BEDROOM		W3/F05	33.8	13.9	19.9	58.9%												19	2	11	2	42.1%	0.0%				
			BEDROOM		W4/F05	33.8	11.6	22.2	65.7%												19	2	11	2	42.1%	0.0%				
	R2	RESIDENTIAL	BEDROOM		W5/F05	33.8	9.2	24.6	72.8%	33.8	9.2	24.6	72.8%	99.3	79.7	2.3	19.8%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F05	9.5	1.5	8	84.2%	23.4	9.5	13.9	59.4%	100	98.7	0.5	1.3%		9	0	3	0	66.7%	0.0%	51	14	43	14	15.7%	0.0%
			LKD		W7/F05	33.5	4.4	29.1	86.9%												19	2	8	2	57.9%	0.0%				
			LKD		W8/F05	33.3	7.5	25.8	77.5%												19	2	8	2	57.9%	0.0%				
			LKD		W9/F05	14.8	14.7	0.1	0.7%												24	10	24	10	0.0%	0.0%				
			LKD		W10/F05	14.5	14.5	0	0.0%												28	12	28	12	0.0%	0.0%				
			LKD		W11/F05	15.2	15.2	0	0.0%												31	12	31	12	0.0%	0.0%				
F06	R1	RESIDENTIAL	BEDROOM		W1/F06	38.1	29.3	8.8	23.1%	35.9	16.4	19.5	54.3%	98.9	94.6	0.6	4.4%		49	14	41	14	16.3%	0.0%	49	14	42	14	14.3%	0.0%
			BEDROOM		W2/F06	36.8	19.8	17	46.2%												30	4	22	4	26.7%	0.0%				
			BEDROOM		W3/F06	35.3	14.8	20.5	58.1%												30	2	12	2	40.0%	0.0%				
			BEDROOM		W4/F06	35.3	12.3	23	65.2%												20	2	13	2	35.0%	0.0%				
	R2	RESIDENTIAL	BEDROOM		W5/F06	35.2	9.7	25.5	72.4%	35.2	9.7	25.5	72.4%	99.3	79.6	2.3	19.8%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F06	9.5	1.5	8	84.2%	24.4	9.9	14.5	59.4%	100	98.8	0.5	1.2%		9	0	3	0	66.7%	0.0%	53	14	44	14	17.0%	0.0%
			LKD		W7/F06	34.9	4.6	30.3	86.8%												30	2	8	2	60.0%	0.0%				

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)								
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %				
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER			
16 MELIOR STREET (CONTINUED)																																
			LKD		W8/F06	34.7	7.9	26.8	77.2%										19	2	8	2	57.9%	0.0%								
			LKD		W9/F06	15.6	15.6	0	0.0%										26	10	25	10	0.0%	0.0%								
			LKD		W10/F06	15.2	15.2	0	0.0%										29	12	29	12	0.0%	0.0%								
			LKD		W11/F06	15.9	15.8	0.1	0.6%										31	15	31	15	0.0%	0.0%								
8 MELIOR ST-36 SNOWFIELDS																																
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	10.2	9.7	0.5	4.9%	10.2	9.7	0.5	4.9%	52.3	51.1	0.2	2.4%	20	7	20	7	0.0%	0.0%	20	7	20	7	0.0%	0.0%			
	R2	RESIDENTIAL	BEDROOM		W2/F01	14	13.9	0.1	0.7%	14	13.9	0.1	0.7%	95.8	95.7	0.0	0.0%	30	4	30	4	0.0%	0.0%	30	4	30	4	0.0%	0.0%			
	R4	RESIDENTIAL	BEDROOM		W4/F01	5.6	5.6	0	0.0%	6.7	6.7	0	0.0%	29.6	29.6	0.0	0.0%	16	5	16	5	0.0%	0.0%	24	8	24	8	0.0%	0.0%			
			BEDROOM		W5/F01	9.4	9.4	0	0.0%									21	7	21	7	0.0%	0.0%									
			BEDROOM		W6/F01	11	11	0	0.0%									0	0	0	0	0.0%	0.0%									
	R5	RESIDENTIAL	BEDROOM		W7/F01	8.3	8.3	0	0.0%	4.4	4.4	0	0.0%	17.7	17.7	0.0	0.0%	17	5	17	5	0.0%	0.0%	18	5	18	5	0.0%	0.0%			
			BEDROOM		W8/F01	4.6	4.6	0	0.0%									15	4	15	4	0.0%	0.0%									
			BEDROOM		W9/F01	0.1	0.1	0	0.0%									0	0	0	0	0.0%	0.0%									
	R6 (3)	RESIDENTIAL	LKD		W10/F01	10	3.4	6.6	66.0%	10	3.4	6.6	66.0%	71.8	50.2	7.2	30.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R7	RESIDENTIAL	BEDROOM		W11/F01	18	12	0.6	33.3%	18	12	0.6	33.3%	92.3	80.4	1.4	12.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	LKD		W12/F01	4.4	2	2.4	54.5%	16.2	9.1	7.1	43.8%	91.5	87.8	0.9	4.0%	7	0	4	0	42.9%	0.0%	12	2	9	2	25.0%	0.0%			
			LKD		W13/F01	27.4	15.3	12.1	44.2%									11	2	3	2	18.2%	0.0%									
			LKD		W14/F01	7.9	6.6	1.3	16.5%									0	0	0	0	0.0%	0.0%									
	R9	RESIDENTIAL	LKD		W15/F01	3.1	1.7	1.4	45.2%	4.3	3.3	1	23.3%	75.4	74.9	0.2	0.6%	1	0	0	0	0.0%	0.0%	8	0	8	0	0.0%	0.0%			
			LKD		W32/F01	7	7	0	0.0%									8	0	8	0	0.0%	0.0%									
	R10	RESIDENTIAL	BEDROOM		W16/F01	11.5	5.1	6.4	55.7%	22.3	12.8	9.5	42.6%	97.8	91.8	1.1	6.1%	9	2	7	2	22.2%	0.0%	16	2	12	2	25.0%	0.0%			
			BEDROOM		W17/F01	28.4	16.6	11.8	41.5%									15	2	12	2	25.0%	0.0%									
			BEDROOM		W18/F01	9.8	6	3.8	38.8%									0	0	0	0	0.0%	0.0%									
	R12	RESIDENTIAL	LKD		W20/F01	5.7	3.4	2.3	40.4%	8.7	7.4	1.3	14.9%	74.5	74.5	0.0	0.0%	0	0	0	0	0.0%	0.0%	22	2	22	2	0.0%	0.0%			
			LKD		W31/F01	13	13	0	0.0%									22	2	22	2	0.0%	0.0%									
	R13	RESIDENTIAL	BEDROOM		W21/F01	10	3.6	6.4	64.0%	19.3	10.8	8.5	44.0%	69.7	67.7	0.3	2.9%	11	2	7	2	36.4%	0.0%	12	2	8	2	33.3%	0.0%			
			BEDROOM		W22/F01	27.7	16.7	11	39.7%									15	2	3	2	33.3%	0.0%									
			BEDROOM		W23/F01	9.5	4.7	4.8	50.5%									0	0	0	0	0.0%	0.0%									
	R14	RESIDENTIAL	BEDROOM		W24/F01	10.9	3.9	7	64.2%	20.1	11.2	8.9	44.3%	89.8	87.8	0.3	2.3%	9	0	4	0	55.6%	0.0%	17	2	12	2	29.4%	0.0%			
			BEDROOM		W25/F01	27.7	17	10.7	38.6%									17	2	12	2	29.4%	0.0%									

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																														
			BEDROOM		W26/F01	12.3	5.9	6.4	52.0%																					
	R16	RESIDENTIAL	BEDROOM		W28/F01	27.5	17.1	10.4	37.8%	27.5	17.1	10.4	37.8%	75.3	72.7	0.3	3.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R17	RESIDENTIAL	LKD		W29/F01	8.1	6.2	1.9	23.5%	7.3	6	1.3	17.8%	60.8	60.6	0.0	0.2%							7	1	7	1	0.0%	0.0%	
			LKD		W30/F01	5.6	5.6	0	0.0%									6	1	6	1	0.0%	0.0%							
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	26.8	25.6	1.2	4.5%	26.8	25.6	1.2	4.5%	98.7	96.2	0.4	2.5%	51	15	51	15	0.0%	0.0%	51	15	51	15	0.0%	0.0%	
	R2	RESIDENTIAL	BEDROOM		W2/F02	26	25.4	0.6	2.3%	26	25.4	0.6	2.3%	99.8	99.7	0.0	0.0%	53	18	53	18	0.0%	0.0%	53	18	53	18	0.0%	0.0%	
	R4	RESIDENTIAL	BEDROOM		W4/F02	8.5	8.5	0	0.0%	12.1	12.1	0	0.0%	59.1	59.1	0.0	0.0%	28	11	28	11	0.0%	0.0%	37	14	37	14	0.0%	0.0%	
			BEDROOM		W5/F02	17.8	17.8	0	0.0%									34	12	34	12	0.0%	0.0%							
			BEDROOM		W6/F02	2	2	0	0.0%									0	0	0	0	0.0%	0.0%							
	R5	RESIDENTIAL	BEDROOM		W7/F02	12.3	12.3	0	0.0%	7.3	7.3	0	0.0%	28.1	28.1	0.0	0.0%	27	9	27	9	0.0%	0.0%	28	9	28	9	0.0%	0.0%	
			BEDROOM		W8/F02	8.3	8.3	0	0.0%									26	9	26	9	0.0%	0.0%							
			BEDROOM		W9/F02	0.1	0.1	0	0.0%									0	0	0	0	0.0%	0.0%							
	R6 (3)	RESIDENTIAL	LKD		W10/F02	13.3	4.6	8.7	65.4%	13.3	4.6	8.7	65.4%	98.5	79.3	6.3	19.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R7	RESIDENTIAL	BEDROOM		W11/F02	3.5	1.8	1.7	48.6%	3.5	1.8	1.7	48.6%	98	81.2	2.0	17.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R8	RESIDENTIAL	LKD		W12/F02	5.7	2.4	3.3	57.9%	18.6	9.9	8.7	46.8%	92.9	87.8	1.2	5.5%	8	0	4	0	50.0%	0.0%	13	2	9	2	30.8%	0.0%	
			LKD		W13/F02	31.1	16.5	14.6	46.9%									13	2	9	2	30.8%	0.0%							
			LKD		W14/F02	8.6	7.1	1.5	17.4%									0	0	0	0	0.0%	0.0%							
	R9	RESIDENTIAL	LKD		W15/F02	4.6	2.4	2.2	47.8%	6	4.5	1.5	25.0%	77.7	76.2	0.5	1.9%	0	0	0	0	0.0%	0.0%	13	0	13	0	0.0%	0.0%	
			LKD		W32/F02	9.2	9.2	0	0.0%									13	0	13	0	0.0%	0.0%							
	R10	RESIDENTIAL	BEDROOM		W16/F02	13	5.7	7.3	56.2%	24.4	14	10.4	42.6%	98.4	92.7	1.0	5.9%	12	2	7	2	41.7%	0.0%	17	2	12	2	29.4%	0.0%	
			BEDROOM		W17/F02	30.9	18	12.9	41.7%									17	2	2	2	29.4%	0.0%							
			BEDROOM		W18/F02	10.9	6.8	4.1	37.6%									0	0	0	0	0.0%	0.0%							
	R12	RESIDENTIAL	LKD		W20/F02	7.3	4.6	2.7	37.0%	11.6	10	1.6	13.8%	81.1	80.8	0.1	0.3%	0	0	0	0	0.0%	0.0%	34	3	34	3	0.0%	0.0%	
			LKD		W31/F02	17.7	17.7	0	0.0%									34	3	34	3	0.0%	0.0%							
	R13	RESIDENTIAL	BEDROOM		W21/F02	11.2	4.3	6.9	61.6%	21	11.9	9.1	43.3%	77.7	75.7	0.3	2.7%	12	2	7	2	41.7%	0.0%	13	2	8	2	38.5%	0.0%	
			BEDROOM		W22/F02	30	18.3	11.7	39.0%									13	2	8	2	38.5%	0.0%							
			BEDROOM		W23/F02	10.2	5.2	5	49.0%									0	0	0	0	0.0%	0.0%							
	R14	RESIDENTIAL	BEDROOM		W24/F02	11.8	4.3	7.5	63.6%	21.8	12.4	9.4	43.1%	94.2	92.1	0.3	2.2%	10	0	4	0	60.0%	0.0%	18	2	12	2	33.3%	0.0%	
			BEDROOM		W25/F02	30.1	18.7	11.4	37.9%									18	2	2	2	33.3%	0.0%							
			BEDROOM		W26/F02	13.1	6.5	6.6	50.4%									0	0	0	0	0.0%	0.0%							
	R16	RESIDENTIAL	BEDROOM		W28/F02	29.8	18.8	11	36.9%	29.8	18.8	11	36.9%	93	90.4	0.3	2.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
	R17	RESIDENTIAL	LKD		W29/F02	9.8	7.7	2.1	21.4%	10.3	8.9	1.4	13.6%	83.3	83.1	0.0	0.2%	1	0	1	0	0.0%	0.0%	13	3	13	3	0.0%	0.0%	
			LKD		W30/F02	11.4	11.4	0	0.0%									12	3	12	3	0.0%	0.0%							
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	34.8	32.6	2.2	6.3%	34.8	32.6	2.2	6.3%	99.3	96.5	0.4	2.8%	59	20	59	20	0.0%	0.0%	59	20	59	20	0.0%	0.0%	
	R2	RESIDENTIAL	BEDROOM		W2/F03	31.4	30.1	1.3	4.1%	31.4	30.1	1.3	4.1%	99.8	99.7	0.0	0.0%	55	20	55	20	0.0%	0.0%	55	20	55	20	0.0%	0.0%	
	R4	RESIDENTIAL	BEDROOM		W4/F03	12.2	12.2	0	0.0%	18.2	18.1	0.1	0.5%	71.5	71.5	0.0	0.0%	36	13	36	13	0.0%	0.0%	49	16	49	16	0.0%	0.0%	
			BEDROOM		W5/F03	26.5	26.5	0	0.0%									48	16	48	16	0.0%	0.0%							
			BEDROOM		W6/F03	4.2	3.7	0.5	11.9%									8	0	8	0	0.0%	0.0%							
	R5	RESIDENTIAL	BEDROOM		W7/F03	16.6	16.6	0	0.0%	11.2	11.2	0	0.0%	56.6	56.6	0.0	0.0%	40	15	40	15	0.0%	0.0%	41	16	41	16	0.0%	0.0%	
			BEDROOM		W8/F03	13.5	13.5	0	0.0%									36	15	36	15	0.0%	0.0%							
			BEDROOM		W9/F03	0.1	0.1	0	0.0%									1	0	1	0	0.0%	0.0%							
	R6 (3)	RESIDENTIAL	LKD		W10/F03	15.2	5.3	9.9	65.1%	15.2	5.3	9.9	65.1%	100	79.5	6.8	20.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R7	RESIDENTIAL	BEDROOM		W11/F03	4.3	2.2	2.1	48.8%	4.3	2.2	2.1	48.8%	98	81.6	2.0	16.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	LKD		W12/F03	6.3	2.6	3.7	58.7%	20	10.6	9.4	47.0%	95.6	87.7	1.9	8.2%	8	0	4	0	50.0%	0.0%	13	2	9	2	30.8%	0.0%	
			LKD		W13/F03	33.2	17.6	15.6	47.0%									13	2	9	2	30.8%	0.0%							
			LKD		W14/F03	9.5	7.8	1.7	17.9%									0	0	0	0	0.0%	0.0%							
	R9	RESIDENTIAL	LKD		W15/F03	5.9	3.1	2.8	47.5%	7.8	5.9	1.9	24.4%	81.9	77.7	1.6	5.2%	0	0	0	0	0.0%	0.0%	18	1	18	1	0.0%	0.0%	
			LKD		W32/F03	12	12	0	0.0%									18	1	18	1	0.0%	0.0%							
	R10	RESIDENTIAL	BEDROOM		W16/F03	14.2	6.6	7.6	53.5%	26.5	15.3	11.2	42.3%	98.5	92.7	1.0	6.0%	12	2	7	2	41.7%	0.0%	17	2	12	2	29.4%	0.0%	
			BEDROOM		W17/F03	33.1	19.3	13.8	41.7%									17	2	12	2	29.4%	0.0%							
			BEDROOM		W18/F03	13.6	8.5	5.1	37.5%									1	0	1	0	0.0%	0.0%							
	R12	RESIDENTIAL	LKD		W20/F03	8.9	5.8	3.1	34.8%	15	13.2	1.8	12.0%	81.8	81.5	0.1	0.4%	0	0	0	0	0.0%	0.0%	44	6	44	6	0.0%	0.0%	
			LKD		W31/F03	23.7	23.7	0	0.0%									44	6	44	6	0.0%	0.0%							
	R13	RESIDENTIAL	BEDROOM		W21/F03	13.2	5.8	7.4	56.1%	22.9	13.3	9.6	41.9%	88.2	86.2	0.3	2.4%	12	2	7	2	41.7%	0.0%	13	2	8	2	38.5%	0.0%	
			BEDROOM		W22/F03	32.3	20	12.3	38.1%									13	2	7	2	41.7%	0.0%							
			BEDROOM		W23/F03	10.9	5.8	5.1	46.8%									0	0	0	0	0.0%	0.0%							
	R14	RESIDENTIAL	BEDROOM		W24/F03	12.5	4.6	7.9	63.2%	23.3	13.5	9.8	42.1%	98.8	96.7	0.3	2.1%	10	0	4	0	60.0%	0.0%	19	2	13	2	31.6%	0.0%	
			BEDROOM		W25/F03	32.3	20.4	11.9	36.8%									19	2	13	2	31.6%	0.0%							
			BEDROOM		W26/F03	14	7.2	6.8	48.6%									0	0	0	0	0.0%	0.0%							
	R16	RESIDENTIAL	BEDROOM		W28/F03	32	20.6	11.4	35.6%	32	20.6	11.4	35.6%	99.7	97.2	0.3	2.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R17	RESIDENTIAL	LKD		W29/F03	12.5	9.2	3.3	26.4%	15.7	13.5	2.2	14.0%	99.1	99.1	0.0	0.0%	1	0	1	0	0.0%	0.0%	43	12	43	12	0.0%	0.0%	
			LKD		W30/F03	22.6	22.6	0	0.0%									42	12	42	12	0.0%	0.0%							

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																														
F04	R2	RESIDENTIAL	BEDROOM		W2/F04	23.7	23.7	0	0.0%	25.2	24.1	11	4.4%	75.1	74.2	0.2	1.3%	54	23	54	23	0.0%	0.0%	68	25	68	25	0.0%	0.0%	
			BEDROOM		W3/F04	32.5	31.8	0.7	2.2%									62	23	62	23	0.0%	0.0%							
			BEDROOM		W4/F04	9	6.1	2.9	32.2%									0	2	0	0	0.0%	0.0%							
	R3	RESIDENTIAL	BEDROOM		W5/F04	19.9	19.9	0	0.0%	14.7	14.7	0	0.0%	68.3	68.3	0.0	0.0%	47	20	47	20	0.0%	0.0%	49	20	49	20	0.0%	0.0%	
			BEDROOM		W6/F04	18.6	18.6	0	0.0%									45	18	45	18	0.0%	0.0%							
			BEDROOM		W7/F04	0.1	0.1	0	0.0%									0	0	0	0	0.0%	0.0%							
	R4 (3)	RESIDENTIAL	LKD		W8/F04	30.3	13.1	17.2	56.8%	30.3	13.1	17.2	56.8%	100	80.3	6.5	19.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R5	RESIDENTIAL	BEDROOM		W9/F04	4.8	2.5	2.3	47.9%	4.8	2.5	2.3	47.9%	98	81.8	2.0	16.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R6	RESIDENTIAL	LKD		W10/F04	6	2.4	3.6	60.0%	21	11.1	9.9	47.1%	95.8	88.1	1.8	8.1%	7	0	2	0	71.4%	0.0%	14	2	9	2	35.7%	0.0%	
			LKD		W11/F04	35.2	18.6	16.6	47.2%									13	2	9	2	30.8%	0.0%							
			LKD		W12/F04	11.2	9.2	2	17.9%										0	0	0	0	0.0%	0.0%						
	R7	RESIDENTIAL	LKD		W13/F04	6.8	3.5	3.3	48.5%	9.7	7.4	2.3	23.7%	17.4	17.4	0.0	0.0%	1	0	0	0	100.0%	0.0%	29	2	28	2	3.4%	0.0%	
			LKD		W30/F04	15.9	15.9	0	0.0%										28	2	28	2	0.0%	0.0%						
	R8	RESIDENTIAL	BEDROOM		W14/F04	16.4	8.3	8.1	49.4%	28.5	16.7	11.8	41.4%	98.7	92.5	11	6.2%	14	2	8	2	42.9%	0.0%	20	2	14	2	30.0%	0.0%	
			BEDROOM		W15/F04	34.9	20.6	14.3	41.0%										19	2	13	2	31.8%	0.0%						
			BEDROOM		W16/F04	16.2	10.3	5.9	36.4%										0	0	0	0	0.0%	0.0%						
	R10	RESIDENTIAL	LKD		W18/F04	13.3	9.1	4.2	31.6%	20.4	18	2.4	11.8%	81.9	81.5	0.1	0.5%	1	0	0	0	100.0%	0.0%	59	14	58	14	1.7%	0.0%	
			LKD		W29/F04	29.7	29.7	0	0.0%										58	14	58	14	0.0%	0.0%						
	R11	RESIDENTIAL	BEDROOM		W19/F04	19.2	11	8.2	42.7%	26	15.9	10.1	38.8%	90.1	87.6	0.3	2.7%	21	2	15	2	28.6%	0.0%	21	2	15	2	28.6%	0.0%	
			BEDROOM		W20/F04	34.4	21.6	12.8	37.2%										20	2	13	2	35.0%	0.0%						
			BEDROOM		W21/F04	12.7	7.2	5.5	43.3%										0	0	0	0	0.0%	0.0%						
	R12	RESIDENTIAL	BEDROOM		W22/F04	14.2	6	8.2	57.7%	25.1	14.9	10.2	40.6%	99.3	97.2	0.3	2.1%	11	0	4	0	63.6%	0.0%	20	2	13	2	35.0%	0.0%	
			BEDROOM		W23/F04	34.3	21.9	12.4	36.2%										20	2	13	2	35.0%	0.0%						
			BEDROOM		W24/F04	15.3	8.3	7	45.8%										0	0	0	0	0.0%	0.0%						
	R14	RESIDENTIAL	BEDROOM		W26/F04	34	22.2	11.8	34.7%	34	22.2	11.8	34.7%	99.8	97.2	0.3	2.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R15	RESIDENTIAL	LKD		W27/F04	28.7	20.8	7.9	27.5%	29.8	24.2	5.6	18.8%	100	100	0.0	0.0%	1	0	1	0	0.0%	0.0%	57	18	57	18	0.0%	0.0%	
			LKD		W28/F04	32.5	32.5	0	0.0%										56	18	56	18	0.0%	0.0%						
F05	R1	RESIDENTIAL	LKD		W1/F05	39.3	39.3	0	0.0%	39.1	37.2	1.9	4.9%	100	100	0.0	0.0%	80	28	80	28	0.0%	0.0%	99	30	99	30	0.0%	0.0%	
			LKD		W2/F05	38.9	35.9	3	7.7%										67	23	67	23	0.0%	0.0%						
	R2	RESIDENTIAL	LKD		W3/F05	27.4	22.4	5	18.2%	22.8	15.5	7.3	32.0%	100	99.5	0.2	0.5%	51	13	49	13	3.9%	0.0%	59	16	54	16	8.5%	0.0%	
			LKD		W4/F05	29.2	23	6.2	21.2%										55	14	50	14	9.1%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER

8 MELIOR ST-36 SNOWFIELDS (CONTINUED)

			LKD		W5/F05	28	10.7	17.3	61.8%									17	0	12	0	29.4%	0.0%						
			LKD		W6/F05	7.4	3.8	3.6	48.6%									0	0	0	0	0.0%	0.0%						
R3	RESIDENTIAL		BEDROOM		W7/F05	10.3	3.4	6.9	67.0%	24.3	12.4	11.9	49.0%	82.6	79	0.7	4.4%	10	0	5	0	50.0%	0.0%	20	2	15	2	25.0%	0.0%
			BEDROOM		W8/F05	37.1	19.9	17.2	46.4%									20	2	15	5	25.0%	0.0%						
			BEDROOM		W9/F05	16.7	11.5	5.2	31.1%									0	0	0	0	0.0%	0.0%						
R4	RESIDENTIAL		LKD		W10/F05	11.8	6.3	5.5	46.6%	14.5	10.4	4.1	28.3%	83.4	81.1	0.9	2.8%	1	0	0	0	100.0%	0.0%	39	5	38	5	2.6%	0.0%
			LKD		W20/F05	21.9	21.9	0	0.0%									38	5	38	5	0.0%	0.0%						
R5	RESIDENTIAL		BEDROOM		W11/F05	21.1	12.8	8.3	39.3%	30.8	18.5	12.3	39.9%	98.7	93	1.0	5.8%	22	2	16	2	27.3%	0.0%	22	2	16	2	27.3%	0.0%
			BEDROOM		W12/F05	36.6	21.7	14.9	40.7%									20	2	14	2	30.0%	0.0%						
			BEDROOM		W13/F05	18.2	12.2	6	33.0%									0	0	0	0	0.0%	0.0%						
R7	RESIDENTIAL		BEDROOM		W15/F05	35.8	21.9	13.9	38.8%	35.8	21.9	13.9	38.8%	97.1	81.4	2.0	16.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R8	RESIDENTIAL		LKD		W16/F05	36.2	23.2	13	35.9%	33.1	25	8.1	24.5%	90	90	0.0	0.0%	0	0	0	0	0.0%	0.0%	85	26	79	26	7.1%	0.0%
			LKD		W18/F05	22	22	0	0.0%									51	21	51	21	0.0%	0.0%						
			LKD		W19/F05	32	32	0	0.0%									65	24	65	24	0.0%	0.0%						
F06	R3	RESIDENTIAL	LKD		W3/F06	39.6	34	5.6	14.1%	38.9	28.5	10.4	26.7%	99.7	92.6	3.4	7.1%	68	23	63	23	7.4%	0.0%	68	23	63	23	7.4%	0.0%
			LKD		W4/F06	38	20.7	17.3	45.5%									20	2	15	5	25.0%	0.0%						
R4	RESIDENTIAL		BEDROOM		W5/F06	37.9	21.7	16.2	42.7%	37.9	21.7	16.2	42.7%	98.2	91.6	0.8	6.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R5	RESIDENTIAL		BEDROOM		W6/F06	37.8	22.4	15.4	40.7%	37.8	22.4	15.4	40.7%	99.4	97.2	0.3	2.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R6	RESIDENTIAL		LKD		W7/F06	37.6	23.3	14.3	38.0%	32.2	25.4	6.8	21.1%	95.3	95.2	0.0	0.1%	20	2	14	2	30.0%	0.0%	97	28	91	28	6.2%	0.0%
			LKD		W8/F06	9.6	6.1	3.5	36.5%									0	0	0	0	0.0%	0.0%						
			LKD		W11/F06	37.4	37.4	0	0.0%									77	26	77	26	0.0%	0.0%						
R7	RESIDENTIAL		BEDROOM		W9/F06	26.8	16.2	10.6	39.6%	28.4	19.2	9.2	32.4%	65.4	64	0.2	2.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W10/F06	31.3	24.6	6.7	21.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

103 -114 GUINNESS COURT

B01	R1	RESIDENTIAL	BEDROOM		W1/B01	17.1	14.6	2.5	14.6%	17.1	14.6	2.5	14.6%	23.9	19.1	0.5	20.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/B01	17.2	14.6	2.6	15.1%	17.2	14.6	2.6	15.1%	38	35	0.2	8.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/B01	17.4	14.7	2.7	15.5%	16.5	14.3	2.2	13.3%	71.1	64.7	1.2	9.0%	7	0	7	0	0.0%	0.0%	33	8	33	8	0.0%	0.0%
			LIVING ROOM		W4/B01	17.4	14.7	2.7	15.5%									0	0	0	0	0.0%	0.0%						
			LIVING ROOM		W5/B01	14	13.1	0.9	6.4%									26	8	26	8	0.0%	0.0%						
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W6/B01	15.4	15.4	0	0.0%	15.9	15.7	0.2	1.3%	51	51	0.0	0.0%	26	7	26	7	0.0%	0.0%	26	7	26	7	0.0%	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL
103 -114 GUINNESS COURT (CONTINUED)																													
			KITCHEN-RESI (1)		W7/B01	17.1	16.4	0.7	4.1%									26	7	26	7	0.0%	0.0%						
	R9	RESIDENTIAL	KITCHEN-RESI (1)		W12/B01	18.8	17	1.8	9.6%	18.8	17.1	1.7	9.0%	50.1	50.1	0.0	0.0%	28	9	28	9	0.0%	0.0%	28	9	28	9	0.0%	0.0%
			KITCHEN-RESI (1)		W13/B01	18.8	17.2	1.6	8.5%									28	9	28	9	0.0%	0.0%						
	R10	RESIDENTIAL	BEDROOM		W14/B01	19	17.5	1.5	7.9%	19	17.5	1.5	7.9%	30.8	30.6	0.0	0.8%	28	9	28	9	0.0%	0.0%	28	9	28	9	0.0%	0.0%
F00	R1	RESIDENTIAL	BEDROOM		W1/F00	20.1	16.4	3.7	18.4%	20.1	16.4	3.7	18.4%	35.6	25.5	1.0	28.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F00	20.2	16.4	3.8	18.8%	20.2	16.4	3.8	18.8%	53.9	46.8	0.5	13.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F00	20.3	16.4	3.9	19.2%	20.3	16.3	4	19.7%	47.2	36.4	2.1	22.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F00	20.3	16.3	4	19.7%									N/A	N/A	N/A	N/A	N/A	N/A						
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F00	20.3	19.6	0.7	3.4%	20.9	19.8	1.1	5.3%	61.2	61.2	0.0	0.0%	30	7	30	7	0.0%	0.0%	30	7	30	7	0.0%	0.0%
			KITCHEN-RESI (1)		W6/F00	22.5	20.4	2.1	9.3%									30	7	30	7	0.0%	0.0%						
	R9	RESIDENTIAL	KITCHEN-RESI (1)		W11/F00	22.8	20.7	2.1	9.2%	22.8	20.8	2	8.8%	70.1	70.1	0.0	0.0%	32	9	32	9	0.0%	0.0%	32	9	32	9	0.0%	0.0%
			KITCHEN-RESI (1)		W12/F00	22.8	20.8	2	8.8%									32	9	32	9	0.0%	0.0%						
	R10	RESIDENTIAL	BEDROOM		W13/F00	22.9	21.1	1.8	7.9%	22.9	21.1	1.8	7.9%	44.8	44.6	0.0	0.4%	32	9	32	9	0.0%	0.0%	32	9	32	9	0.0%	0.0%
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	23.3	18.2	5.1	21.9%	23.3	18.2	5.1	21.9%	54.6	36.1	1.8	33.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F01	23.4	18.1	5.3	22.6%	23.4	18.1	5.3	22.6%	77.2	64.2	0.9	16.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F01	23.5	18.2	5.3	22.6%	23.5	18.2	5.3	22.6%	65	48.2	3.2	25.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F01	23.5	18.2	5.3	22.6%									N/A	N/A	N/A	N/A	N/A	N/A						
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F01	25.1	23.8	1.3	5.2%	25.7	24	1.7	6.6%	83.3	83.3	0.0	0.0%	41	12	41	12	0.0%	0.0%	41	12	41	12	0.0%	0.0%
			KITCHEN-RESI (1)		W6/F01	27.1	24.4	2.7	10.0%									41	12	41	12	0.0%	0.0%						
	R9	RESIDENTIAL	KITCHEN-RESI (1)		W11/F01	27.4	25	2.4	8.8%	27.4	25.1	2.3	8.4%	99.7	99.7	0.0	0.0%	40	11	40	11	0.0%	0.0%	40	11	40	11	0.0%	0.0%
			KITCHEN-RESI (1)		W12/F01	27.4	25.2	2.2	8.0%									40	11	40	11	0.0%	0.0%						
	R10	RESIDENTIAL	BEDROOM		W13/F01	27.5	25.4	2.1	7.6%	27.5	25.4	2.1	7.6%	71.3	71.2	0.0	0.1%	40	11	40	11	0.0%	0.0%	40	11	40	11	0.0%	0.0%
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	26.5	20	6.5	24.5%	26.5	20	6.5	24.5%	72.7	52	2.0	28.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F02	26.6	19.9	6.7	25.2%	26.6	19.9	6.7	25.2%	84.5	71.6	0.9	15.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F02	26.8	19.9	6.9	25.7%	26.8	20	6.8	25.4%	85.7	64.4	4.0	24.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F02	26.8	20	6.8	25.4%									N/A	N/A	N/A	N/A	N/A	N/A						
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F02	31.4	28.7	2.7	8.6%	31.4	28.7	2.7	8.6%	96.5	96.5	0.0	0.0%	49	13	49	13	0.0%	0.0%	49	13	49	13	0.0%	0.0%
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F02	32.4	29.8	2.6	8.0%	32.4	29.8	2.6	8.0%	98	97.7	0.0	0.2%	48	13	48	13	0.0%	0.0%	48	13	48	13	0.0%	0.0%
	R9	RESIDENTIAL	BEDROOM		W10/F02	32.5	30.1	2.4	7.4%	32.5	30.1	2.4	7.4%	94.3	94.3	0.0	0.0%	47	12	47	12	0.0%	0.0%	47	12	47	12	0.0%	0.0%
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	29.4	21.7	7.7	26.2%	29.4	21.7	7.7	26.2%	92.3	77.9	1.4	15.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F03	29.4	21.6	7.8	26.5%	29.4	21.6	7.8	26.5%	93.3	86	0.5	7.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)												
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %								
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER						
103 -114 GUINNESS COURT (CONTINUED)																																				
	R3	RESIDENTIAL	LIVING ROOM		W3/F03	29.6	21.5	8.1	27.4%	29.6	21.5	8.1	27.4%	94.7	87	15	8.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W4/F03	29.6	21.5	8.1	27.4%									N/A	N/A	N/A	N/A	N/A	N/A													
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F03	35.9	33	2.9	8.1%	35.9	33	2.9	8.1%	96.5	96.5	0.0	0.0%	52	15	52	15	0.0%	0.0%	52	15	52	15	0.0%	0.0%							
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F03	36.8	34	2.8	7.6%	36.8	34	2.8	7.6%	98	97.9	0.0	0.1%	52	15	52	15	0.0%	0.0%	52	15	52	15	0.0%	0.0%							
	R9	RESIDENTIAL	BEDROOM		W10/F03	36.9	34.2	2.7	7.3%	36.9	34.2	2.7	7.3%	94.3	94.3	0.0	0.0%	52	15	52	15	0.0%	0.0%	52	15	52	15	0.0%	0.0%							
1-15 GUINNESS COURT																																				
B01	R1	RESIDENTIAL	BEDROOM		W1/B01	22.5	15.6	6.9	30.7%	22.5	15.6	6.9	30.7%	43.5	31.7	1.2	27.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/B01	21.8	15.3	6.5	29.8%	21.8	15.3	6.5	29.8%	79.9	41.1	2.7	48.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/B01	20.4	14.8	5.6	27.5%	20.2	14.8	5.4	26.7%	57.5	29.4	5.5	48.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/B01	19.9	14.9	5	25.1%									N/A	N/A	N/A	N/A	N/A	N/A													
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/B01	14.1	14.1	0	0.0%	15.4	15.2	0.2	1.3%	49.8	49.8	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W6/B01	16.6	16.3	0.3	1.8%									N/A	N/A	N/A	N/A	N/A	N/A													
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W10/B01	18	17.4	0.6	3.3%	18	17.4	0.6	3.3%	50.3	50.3	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W11/B01	18.1	17.5	0.6	3.3%									N/A	N/A	N/A	N/A	N/A	N/A													
	R9	RESIDENTIAL	BEDROOM		W12/B01	18.3	17.7	0.6	3.3%	18.3	17.7	0.6	3.3%	31	30.3	0.1	2.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F00	R1	RESIDENTIAL	BEDROOM		W1/F00	25.5	17.5	8	31.4%	25.5	17.5	8	31.4%	58.4	46.8	1.1	19.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F00	25.1	17.4	7.7	30.7%	25.1	17.4	7.7	30.7%	89	53.3	2.5	40.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F00	23.9	16.8	7.1	29.7%	23.8	16.8	7	29.4%	68.3	44.7	4.6	34.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F00	23.6	16.9	6.7	28.4%									N/A	N/A	N/A	N/A	N/A	N/A													
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F00	17.7	17.7	0	0.0%	19.2	19	0.2	1.0%	60.4	60.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W6/F00	20.6	20.2	0.4	1.9%									N/A	N/A	N/A	N/A	N/A	N/A													
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W10/F00	21.7	21.1	0.6	2.8%	21.8	21.2	0.6	2.8%	69.9	69.8	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W11/F00	21.8	21.2	0.6	2.8%									N/A	N/A	N/A	N/A	N/A	N/A													
	R9	RESIDENTIAL	BEDROOM		W12/F00	22	21.3	0.7	3.2%	22	21.3	0.7	3.2%	44.8	44.1	0.1	1.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	27.7	19	8.7	31.4%	27.7	19	8.7	31.4%	73.5	62.4	1.1	15.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F01	27.6	19	8.6	31.2%	27.6	19	8.6	31.2%	89.9	57.2	2.3	36.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F01	27.2	19	8.2	30.1%	27	19	8	29.6%	82	67.1	2.9	18.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F01	26.8	19	7.8	29.1%									N/A	N/A	N/A	N/A	N/A	N/A													
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F01	21.7	21.7	0	0.0%	23.2	22.9	0.3	1.3%	83.4	83.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W6/F01	24.7	24.1	0.6	2.4%									N/A	N/A	N/A	N/A	N/A	N/A													

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)															
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %											
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER									
1-15 GUINNESS COURT (CONTINUED)																																							
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W10/F01	26	25.3	0.7	2.7%	26	25.3	0.7	2.7%	99.5	99.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			KITCHEN-RESI (1)		W11/F01	26	25.3	0.7	2.7%									N/A	N/A	N/A	N/A	N/A	N/A																
	R9	RESIDENTIAL	BEDROOM		W12/F01	26.2	25.5	0.7	2.7%	26.2	25.5	0.7	2.7%	71.1	70.5	0.1	0.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	29.8	20.3	9.5	31.9%	29.8	20.3	9.5	31.9%	87	75.6	1.1	13.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	BEDROOM		W2/F02	29.7	20.4	9.3	31.3%	29.7	20.4	9.3	31.3%	89.9	58.3	2.2	35.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/F02	29.3	20.5	8.8	30.0%	29.2	20.5	8.7	29.8%	89.1	76.7	2.4	14.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W4/F02	29.2	20.5	8.7	29.8%									N/A	N/A	N/A	N/A	N/A	N/A																
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F02	28.3	28.2	0.1	0.4%	28.3	28.2	0.1	0.4%	97.3	97.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F02	30.5	29.8	0.7	2.3%	30.5	29.8	0.7	2.3%	97.5	96.3	0.1	1.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R9	RESIDENTIAL	BEDROOM		W10/F02	30.6	29.9	0.7	2.3%	30.6	29.9	0.7	2.3%	94.1	93.7	0.1	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	31.8	21.6	10.2	32.1%	31.8	21.6	10.2	32.1%	92.5	83.9	0.9	9.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F03	31.6	21.7	9.9	31.3%	31.6	21.7	9.9	31.3%	93.5	68.5	1.8	26.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F03	31.3	21.9	9.4	30.0%	31.2	21.9	9.3	29.8%	96.3	87.6	1.7	9.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F03	31.1	21.9	9.2	29.6%									N/A	N/A	N/A	N/A	N/A	N/A																
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F03	32.7	32.5	0.2	0.6%	32.7	32.5	0.2	0.6%	97.5	97.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F03	34.3	33.5	0.8	2.3%	34.3	33.5	0.8	2.3%	97.5	96.5	0.1	11%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R9	RESIDENTIAL	BEDROOM		W10/F03	34.4	33.6	0.8	2.3%	34.4	33.6	0.8	2.3%	94.2	93.8	0.0	0.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RAQUEL COURT																																							
F01	R1	RESIDENTIAL	LKD		W1/F01	29.8	19.1	10.7	35.9%	29.8	19	10.8	36.2%	100	91.9	1.1	8.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LKD		W2/F01	29.8	19.1	10.7	35.9%									N/A	N/A	N/A	N/A	N/A	N/A																
			LKD		W3/F01	29.9	19	10.9	36.5%									N/A	N/A	N/A	N/A	N/A	N/A																
			LKD		W4/F01	29.9	18.9	11	36.8%									N/A	N/A	N/A	N/A	N/A	N/A																
	R2	RESIDENTIAL	BEDROOM		W5/F01	30.3	19.3	11	36.3%	30.2	19.3	10.9	36.1%	100	88.2	0.8	11.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W6/F01	30.2	19.2	11	36.4%									N/A	N/A	N/A	N/A	N/A	N/A																
	R3	RESIDENTIAL	BEDROOM		W7/F01	30.1	19.8	10.3	34.2%	30.1	20.1	10	33.2%	100	97.4	0.4	2.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W8/F01	30.1	19.7	10.4	34.6%									N/A	N/A	N/A	N/A	N/A	N/A																
			BEDROOM		W9/F01	30	20.6	9.4	31.3%									N/A	N/A	N/A	N/A	N/A	N/A																
			BEDROOM		W10/F01	30	20.6	9.4	31.3%									N/A	N/A	N/A	N/A	N/A	N/A																
	R4	RESIDENTIAL	LIVING ROOM		W11/F01	30.2	22.5	7.7	25.5%	30.4	23	7.4	24.3%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W12/F01	30.3	22.6	7.7	25.4%									N/A	N/A	N/A	N/A	N/A	N/A																

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)									
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %					
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER				
RAQUEL COURT (CONTINUED)																																	
			LIVING ROOM		W13/F01	30.7	23.8	6.9	22.5%									N/A	N/A	N/A	N/A	N/A	N/A										
	R5	RESIDENTIAL	BEDROOM		W14/F01	32.1	27.9	4.2	13.1%	32.1	27.9	4.2	13.1%	98.7	97.1	0.2	1.7%	45	12	45	12	0.0%	0.0%	45	12	45	12	0.0%	0.0%				
	R6	RESIDENTIAL	BEDROOM		W15/F01	32.4	28.3	4.1	12.7%	32.4	28.3	4.1	12.7%	99.3	97.9	0.1	1.4%	46	12	46	12	0.0%	0.0%	46	12	46	12	0.0%	0.0%				
	R7	RESIDENTIAL	BEDROOM		W16/F01	32.6	28.6	4	12.3%	32.6	28.6	4	12.3%	99.2	97.8	0.2	1.5%	46	12	46	12	0.0%	0.0%	46	12	46	12	0.0%	0.0%				
F02	R1	RESIDENTIAL	LKD		W1/F02	31.5	20.3	11.2	35.6%	31.6	20.2	11.4	36.1%	100	92	1.1	8.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LKD		W2/F02	31.6	20.2	11.4	36.1%									N/A	N/A	N/A	N/A	N/A	N/A										
			LKD		W3/F02	31.6	20.2	11.4	36.1%									N/A	N/A	N/A	N/A	N/A	N/A										
			LKD		W4/F02	31.7	20.1	11.6	36.6%									N/A	N/A	N/A	N/A	N/A	N/A										
	R2	RESIDENTIAL	BEDROOM		W5/F02	31.9	20.3	11.6	36.4%	31.9	20.2	11.7	36.7%	100	88.4	0.8	11.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W6/F02	31.9	20.2	11.7	36.7%									N/A	N/A	N/A	N/A	N/A	N/A										
	R3	RESIDENTIAL	BEDROOM		W7/F02	31.8	20.7	11.1	34.9%	31.8	21.1	10.7	33.6%	100	97.5	0.3	2.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W8/F02	31.8	20.7	11.1	34.9%									N/A	N/A	N/A	N/A	N/A	N/A										
			BEDROOM		W9/F02	31.8	21.6	10.2	32.1%									N/A	N/A	N/A	N/A	N/A	N/A										
			BEDROOM		W10/F02	31.8	21.7	10.1	31.8%									N/A	N/A	N/A	N/A	N/A	N/A										
	R4	RESIDENTIAL	LIVING ROOM		W11/F02	32	23.6	8.4	26.2%	32.1	24.1	8	24.9%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W12/F02	32	23.7	8.3	25.9%									N/A	N/A	N/A	N/A	N/A	N/A										
			LIVING ROOM		W13/F02	32.4	24.9	7.5	23.1%									N/A	N/A	N/A	N/A	N/A	N/A										
	R5	RESIDENTIAL	BEDROOM		W14/F02	33.6	29.1	4.5	13.4%	33.6	29.1	4.5	13.4%	98.7	97.2	0.2	1.6%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%				
	R6	RESIDENTIAL	BEDROOM		W15/F02	33.8	29.4	4.4	13.0%	33.8	29.4	4.4	13.0%	99.3	98	0.1	1.3%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%				
	R7	RESIDENTIAL	BEDROOM		W16/F02	33.9	29.7	4.2	12.4%	33.9	29.7	4.2	12.4%	99.2	97.8	0.2	1.4%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%				
F03	R1	RESIDENTIAL	LKD		W1/F03	33.2	21.5	11.7	35.2%	33.2	21.3	11.9	35.8%	100	92.2	1.1	7.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LKD		W2/F03	33.2	21.4	11.8	35.5%									N/A	N/A	N/A	N/A	N/A	N/A										
			LKD		W3/F03	33.3	21.3	12	36.0%									N/A	N/A	N/A	N/A	N/A	N/A										
			LKD		W4/F03	33.3	21.2	12.1	36.3%									N/A	N/A	N/A	N/A	N/A	N/A										
	R2	RESIDENTIAL	BEDROOM		W5/F03	33.4	21.2	12.2	36.5%	33.4	21.2	12.2	36.5%	100	88.7	0.8	11.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W6/F03	33.4	21.1	12.3	36.8%									N/A	N/A	N/A	N/A	N/A	N/A										
	R3	RESIDENTIAL	BEDROOM		W7/F03	33.4	21.6	11.8	35.3%	33.4	22	11.4	34.1%	100	97.6	0.3	2.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			BEDROOM		W8/F03	33.5	21.6	11.9	35.5%									N/A	N/A	N/A	N/A	N/A	N/A										
			BEDROOM		W9/F03	33.4	22.5	10.9	32.6%									N/A	N/A	N/A	N/A	N/A	N/A										
			BEDROOM		W10/F03	33.4	22.6	10.8	32.3%									N/A	N/A	N/A	N/A	N/A	N/A										
	R4	RESIDENTIAL	LIVING ROOM		W11/F03	33.5	24.5	9	26.9%	33.7	25.1	8.6	25.5%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
RAQUEL COURT (CONTINUED)																													
			LIVING ROOM		W12/F03	33.6	24.6	9	26.8%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W13/F03	33.9	25.9	8	23.6%									N/A	N/A	N/A	N/A	N/A	N/A						
	R5	RESIDENTIAL	BEDROOM		W14/F03	34.8	30	4.8	13.8%	34.8	30	4.8	13.8%	98.7	97.3	0.2	1.4%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%
	R6	RESIDENTIAL	BEDROOM		W15/F03	34.9	30.3	4.6	13.2%	34.9	30.3	4.6	13.2%	99.3	98.1	0.1	1.2%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%
	R7	RESIDENTIAL	BEDROOM		W16/F03	34.9	30.6	4.3	12.3%	34.9	30.6	4.3	12.3%	99.2	98	0.1	1.2%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%
F04	R1	RESIDENTIAL	ASSUMED-RESI		W1/F04	33.1	21.8	11.3	34.1%	33.1	21.8	11.3	34.1%	100	80.4	2.2	19.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	ASSUMED-RESI		W2/F04	33.5	22	11.5	34.3%	33.5	22.2	11.3	33.7%	99.9	92.6	0.8	7.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			ASSUMED-RESI		W3/F04	33.4	22.5	10.9	32.6%									N/A	N/A	N/A	N/A	N/A	N/A						
	R3	RESIDENTIAL	ASSUMED-RESI		W4/F04	33.4	23.8	9.6	28.7%	33.4	23.8	9.6	28.7%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	ASSUMED-RESI		W5/F04	34.2	29.3	4.9	14.3%	34.2	29.3	4.9	14.3%	100	99.8	0.0	0.2%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%
	R5	RESIDENTIAL	ASSUMED-RESI		W6/F04	34.2	29.6	4.6	13.5%	34.2	29.6	4.6	13.5%	100	99.9	0.0	0.1%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%
	R6	RESIDENTIAL	ASSUMED-RESI		W7/F04	34.4	30.1	4.3	12.5%	34.4	30.1	4.3	12.5%	100	100	0.0	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%
LA SALETTE CHURCH																													
F00	R1	NON-COMMERCIAL	RELIGIOUS		W1/F00	23.9	14.3	9.6	40.2%	17.5	11.7	5.8	33.1%	83.7	83.3	0.9	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			RELIGIOUS		W2/F00	23.9	13.8	10.1	42.3%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W1/F01 (dup.)	27.7	17.1	10.6	38.3%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W2/F01 (dup.)	26.2	16.6	9.6	36.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W3/F01 (dup.)	27	16.8	10.2	37.8%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W4/F01 (dup.)	26	16.2	9.8	37.7%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W5/F01 (dup.)	27.2	16.9	10.3	37.9%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W6/F01 (dup.)	25.4	15.6	9.8	38.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W7/F01 (dup.)	28.3	17.5	10.8	38.2%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W8/F01 (dup.)	18.8	17.3	1.5	8.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W9/F01 (dup.)	26.7	17.1	9.6	36.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W10/F01 (dup.)	27.1	16.4	10.7	39.5%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W11/F01 (dup.)	27.5	16.5	11	40.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W15/F01 (dup.)	6.1	5.4	0.7	11.5%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W16/F01 (dup.)	8.4	7.1	1.3	15.5%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W17/F01 (dup.)	9.7	8.3	1.4	14.4%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W18/F01 (dup.)	10.3	9	1.3	12.6%									N/A	N/A	N/A	N/A	N/A	N/A						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)				APSH (ROOM)							
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %
																							ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL
LA SALETTE CHURCH (CONTINUED)																													
			RELIGIOUS		W19/F01 (dup.)	10.7	9.4	1.3	12.1%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W20/F01 (dup.)	9.5	8.3	1.2	12.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W21/F01 (dup.)	6.2	5	1.2	19.4%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W22/F01 (dup.)	3.6	2.4	1.2	33.3%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	NON-COMMERCIAL	RELIGIOUS		W3/F00	25.8	14.9	10.9	42.2%	25.8	14.9	10.9	42.2%	45.1	31.8	0.6	29.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	NON-COMMERCIAL	RELIGIOUS		W1/F01	27.7	17.1	10.6	38.3%	17.2	11.6	5.6	32.6%	88.3	84.4	1.8	4.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			RELIGIOUS		W2/F01	26.2	16.6	9.6	36.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W3/F01	27	16.8	10.2	37.8%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W4/F01	26	16.2	9.8	37.7%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W5/F01	27.2	16.9	10.3	37.9%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W6/F01	25.4	15.6	9.8	38.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W7/F01	28.3	17.5	10.8	38.2%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W8/F01	18.8	17.3	1.5	8.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W9/F01	26.7	17.1	9.6	36.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W10/F01	27.1	16.4	10.7	39.5%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W11/F01	27.5	16.5	11	40.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W15/F01	6.1	5.4	0.7	11.5%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W16/F01	8.4	7.1	1.3	15.5%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W17/F01	9.7	8.3	1.4	14.4%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W18/F01	10.3	9	1.3	12.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W19/F01	10.7	9.4	1.3	12.1%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W20/F01	9.5	8.3	1.2	12.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W21/F01	6.2	5	1.2	19.4%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W22/F01	3.6	2.4	1.2	33.3%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	NON-COMMERCIAL	RELIGIOUS		W12/F01	27.9	16.6	11.3	40.5%	27.9	16.4	11.5	41.2%	91.1	79.4	2.8	12.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			RELIGIOUS		W13/F01	27.9	16.1	11.8	42.3%									N/A	N/A	N/A	N/A	N/A	N/A						
	R3	NON-COMMERCIAL	RELIGIOUS		W14/F01	28	14.6	13.4	47.9%	28	14.6	13.4	47.9%	100	99	0.0	10%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
14 MELIOR STREET																													
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	23.8	14.4	9.4	39.5%	23.8	14.3	9.5	39.9%	86.3	75.2	2.3	12.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			UNKNOWN-RESI		W2/F00	23.7	14.2	9.5	40.1%									N/A	N/A	N/A	N/A	N/A	N/A						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)													
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %									
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER							
14 MELIOR STREET (CONTINUED)																																					
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	27.3	17	10.3	37.7%	27.3	17	10.3	37.7%	98.9	96.2	0.6	2.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
			UNKNOWN-RESI		W2/F01	27.3	16.9	10.4	38.1%									N/A	N/A	N/A	N/A	N/A	N/A														
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	29.9	19.1	10.8	36.1%	30.4	19.5	10.9	35.9%	98.5	95.1	0.7	3.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
			UNKNOWN-RESI		W2/F02	31.9	20.8	11.1	34.8%									N/A	N/A	N/A	N/A	N/A	N/A														
			UNKNOWN-RESI		W3/F02	29.9	19.1	10.8	36.1%									N/A	N/A	N/A	N/A	N/A	N/A														
SNOWFIELDS PRIMARY SCHOOL																																					
F00	R1	EDUCATIONAL	EDUCATIONAL		W1/F00	33.4	33.2	0.2	0.6%	32.4	31.4	1	3.1%	99.6	99.6	0.0	0.0%	46	12	46	12	0.0%	0.0%	47	13	47	13	0.0%	0.0%								
			EDUCATIONAL		W2/F00	33.4	33.1	0.3	0.9%									47	13	47	13	0.0%	0.0%														
			EDUCATIONAL		W3/F00	33.2	32.9	0.3	0.9%									47	13	47	13	0.0%	0.0%														
			EDUCATIONAL		W4/F00	25.6	18.9	6.7	26.2%										0	1	1	1	0.0%	0.0%													
	R2	EDUCATIONAL	EDUCATIONAL		W5/F00	26.7	19.3	7.4	27.7%	26.1	18.7	7.4	28.4%	82.7	62.6	8.3	24.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			EDUCATIONAL		W7/F00	25.5	18.1	7.4	29.0%									N/A	N/A	N/A	N/A	N/A	N/A														
	R3	EDUCATIONAL	EDUCATIONAL		W6/F00	31.3	23.6	7.7	24.6%	31.3	23.6	7.7	24.6%	99.9	96.9	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	EDUCATIONAL	EDUCATIONAL		W1/F01	27.9	20.1	7.8	28.0%	27.3	19.5	7.8	28.6%	92.8	68	10.3	26.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			EDUCATIONAL		W3/F01	26.7	18.9	7.8	29.2%									N/A	N/A	N/A	N/A	N/A	N/A														
	R2	EDUCATIONAL	EDUCATIONAL		W2/F01	32.6	24.5	8.1	24.8%	32.6	24.5	8.1	24.8%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R1	EDUCATIONAL	EDUCATIONAL		W1/F02	36.4	36.2	0.2	0.5%	35.5	34.4	11	3.1%	99.6	99.5	0.0	0.0%	49	14	49	14	0.0%	0.0%	49	14	49	14	0.0%	0.0%								
			EDUCATIONAL		W2/F02	36.6	36.4	0.2	0.5%									49	14	49	14	0.0%	0.0%														
			EDUCATIONAL		W3/F02	36.4	36.2	0.2	0.5%									49	14	49	14	0.0%	0.0%														
			EDUCATIONAL		W4/F02	27.6	20.3	7.3	26.4%										0	3	3	3	0.0%	0.0%													
	R2	EDUCATIONAL	EDUCATIONAL		W5/F02	29	20.8	8.2	28.3%	28.4	20.2	8.2	28.9%	93.5	70.2	9.7	24.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			EDUCATIONAL		W7/F02	27.8	19.6	8.2	29.5%									N/A	N/A	N/A	N/A	N/A	N/A														
	R3	EDUCATIONAL	EDUCATIONAL		W6/F02	33.8	25.3	8.5	25.1%	33.8	25.3	8.5	25.1%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F03	R1	EDUCATIONAL	EDUCATIONAL		W1/F03	29.8	21.3	8.5	28.5%	29.2	20.8	8.4	28.8%	93.7	70.9	9.5	24.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			EDUCATIONAL		W3/F03	28.7	20.2	8.5	29.6%									N/A	N/A	N/A	N/A	N/A	N/A														
	R2	EDUCATIONAL	EDUCATIONAL		W2/F03	34.6	25.9	8.7	25.1%	34.6	25.9	8.7	25.1%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F04	R1	EDUCATIONAL	EDUCATIONAL		W1/F04	38.1	37.9	0.2	0.5%	37.6	36.7	0.9	2.4%	99.6	99.4	0.1	0.1%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%								
			EDUCATIONAL		W2/F04	38.5	38.2	0.3	0.8%									50	15	50	15	0.0%	0.0%														
			EDUCATIONAL		W3/F04	38.1	37.8	0.3	0.8%									50	15	50	15	0.0%	0.0%														
			EDUCATIONAL		W4/F04	29.8	22.4	7.4	24.8%										0	3	3	3	0.0%	0.0%													

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)															
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %											
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER										
SNOWFIELDS PRIMARY SCHOOL (CONTINUED)																																							
	R2	EDUCATIONAL	EDUCATIONAL		W5/F04	30.4	21.9	8.5	28.0%	29.9	21.3	8.6	28.8%	93.5	70.2	9.7	24.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			EDUCATIONAL		W7/F04	29.3	20.7	8.6	29.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	R3	EDUCATIONAL	EDUCATIONAL		W6/F04	35.1	26.5	8.6	24.5%	35.1	26.5	8.6	24.5%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F05	R1	EDUCATIONAL	EDUCATIONAL		W1/F05	31.7	23.2	8.5	26.8%	31.2	22.6	8.6	27.6%	94	77.4	6.9	17.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			EDUCATIONAL		W3/F05	30.6	22	8.6	28.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	EDUCATIONAL	EDUCATIONAL		W2/F05	35.7	27	8.7	24.4%	35.7	27	8.7	24.4%	99.9	97	0.2	2.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8-20 SNOWFIELDS																																							
F00	R4	RESIDENTIAL	LIVING ROOM		W8/F00	21.6	8.6	13	60.2%	21.6	8.6	13	60.2%	89.3	68.2	3.5	23.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R5	RESIDENTIAL	KITCHEN (1)		W9/F00	21.8	9.2	12.6	57.8%	21.8	9.2	12.6	57.8%	98.3	54.5	3.1	44.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	4.4	1.3	3.1	70.5%	4.2	1	3.2	76.2%	91.6	15.4	7.0	83.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W2/F01	3.9	0.4	3.5	89.7%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	KITCHEN (1)		W3/F01	4.1	0.2	3.9	95.1%	4.1	0.2	3.9	95.1%	73.4	10.2	3.8	86.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	LIVING ROOM		W5/F01	5.5	0	5.5	100.0%	5.7	0	5.7	100.0%	98.2	42.9	6.1	56.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W6/F01	6.1	0.1	6	98.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R5	RESIDENTIAL	LIVING ROOM		W7/F01	6.5	0.3	6.2	95.4%	6.2	0.4	5.8	93.5%	97.8	53.7	4.9	45.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W8/F01	6.1	0.5	5.6	91.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R7	RESIDENTIAL	KITCHEN (1)		W10/F01	6.9	11	5.8	84.1%	6.9	11	5.8	84.1%	94.5	66.5	1.4	29.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R8	RESIDENTIAL	LIVING ROOM		W11/F01	7.2	15	5.7	79.2%	7.3	1.7	5.6	76.7%	98	69.2	3.3	29.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W12/F01	7.3	16	5.7	78.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W13/F01	7.4	18	5.6	75.7%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R9	RESIDENTIAL	BEDROOM		W14/F01	7.9	2.2	5.7	72.2%	7.9	2.2	5.7	72.2%	89	74.6	1.4	16.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R1	RESIDENTIAL	KITCHEN (1)		W1/F02	23.8	9.4	14.4	60.5%	23.8	9.4	14.4	60.5%	99.6	39.9	4.9	60.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	KITCHEN (1)		W3/F02	27.3	9.2	18.1	66.3%	27.3	9.2	18.1	66.3%	98.1	63.6	2.1	35.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	KITCHEN (1)		W4/F02	27.3	9	18.3	67.0%	27.3	9	18.3	67.0%	99	38.2	3.5	61.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	KITCHEN (1)		W8/F02	27.8	11.9	15.9	57.2%	27.8	11.9	15.9	57.2%	99.6	69	1.4	30.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F03	R2	RESIDENTIAL	BEDROOM		W2/F03	26.7	8.8	17.9	67.0%	26.7	8.8	17.9	67.0%	95.9	42.5	6.1	55.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R5	RESIDENTIAL	BEDROOM		W5/F03	28.8	8.7	20.1	69.8%	28.8	8.7	20.1	69.8%	98.2	65.3	3.8	33.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R7	RESIDENTIAL	BEDROOM		W7/F03	29.1	9.5	19.6	67.4%	29.1	9.5	19.6	67.4%	97.9	66.8	3.6	31.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R9	RESIDENTIAL	BEDROOM		W9/F03	28.6	10.6	18	62.9%	28.6	10.6	18	62.9%	98.9	76.4	2.1	22.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R10	RESIDENTIAL	BEDROOM		W10/F03	28.4	11.2	17.2	60.6%	28.4	11.2	17.2	60.6%	98.7	77.1	2.0	21.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)													
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %									
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER							
8-20 SNOWFIELDS (CONTINUED)																																					
	R11	RESIDENTIAL	BEDROOM		W11/F03	27.6	11.4	16.2	58.7%	27.6	11.4	16.2	58.7%	95.1	79.6	1.5	16.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
38 SNOWFIELDS																																					
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	10.1	7.4	2.7	26.7%	10.1	7.4	2.7	26.7%	22.9	18.8	0.4	17.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	14.3	10.6	3.7	25.9%	14.3	10.6	3.7	25.9%	43.5	36.9	0.6	15.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	9.9	8.2	1.7	17.2%	9.9	8.2	1.7	17.2%	16	13.9	0.4	12.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	18.4	13.4	5	27.2%	18.4	13.4	5	27.2%	67.3	57.4	1.0	14.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F02	12.9	10.7	2.2	17.1%	12.9	10.7	2.2	17.1%	23.4	19.9	0.6	14.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	21.9	15.1	6.8	31.1%	21.9	15.1	6.8	31.1%	85.2	74.3	1.1	12.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F03	16.5	13.5	3	18.2%	16.5	13.5	3	18.2%	36.6	31.1	1.0	15.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	21.8	17.7	4.1	18.8%	21.8	17.7	4.1	18.8%	75.2	70.3	0.9	6.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
39 SNOWFIELDS																																					
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	7.2	6.1	1.1	15.3%	7.2	6.1	1.1	15.3%	25.6	21.1	0.4	17.5%	1	0	1	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%								
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	8.6	7.3	1.3	15.1%	9.6	7.6	2	20.8%	33.8	30.9	0.4	8.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W3/F01	11.1	8	3.1	27.9%									N/A	N/A	N/A	N/A	N/A	N/A														
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	16.2	12.7	3.5	21.6%	11	8.9	2.1	19.1%	46.9	37.9	0.8	19.2%	0	0	0	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%								
			UNKNOWN-RESI		W2/F02	9.7	8	1.7	17.5%									1	0	1	0	0.0%	0.0%														
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F02	11.4	9.4	2	17.5%	12.8	9.8	3	23.4%	54.1	48.7	0.7	9.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W4/F02	15.1	10.4	4.7	31.1%									N/A	N/A	N/A	N/A	N/A	N/A														
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	23.3	16.7	6.6	28.3%	15.1	12	3.1	20.5%	68	55.5	1.1	18.5%	0	0	0	0	0.0%	0.0%	3	0	3	0	0.0%	0.0%								
			UNKNOWN-RESI		W2/F03	13.1	10.8	2.3	17.6%									3	0	3	0	0.0%	0.0%														
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F03	14.2	11.6	2.6	18.3%	16.1	12.1	4	24.8%	86	79	0.9	8.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W4/F03	19	12.9	6.1	32.1%									N/A	N/A	N/A	N/A	N/A	N/A														
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	18.1	11.5	6.6	36.5%	23	19.1	3.9	17.0%	83.5	74	0.8	11.3%	0	0	0	0	0.0%	0.0%	30	0	30	0	0.0%	0.0%								
			UNKNOWN-RESI		W2/F04	24.2	21	3.2	13.2%									30	0	30	0	0.0%	0.0%														
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F04	22.8	15.3	7.5	32.9%	22.8	15.3	7.5	32.9%	95	88.6	0.9	6.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
40 SNOWFIELDS																																					
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	7.6	6.2	1.4	18.4%	6.5	5.3	1.2	18.5%	25	24	0.1	3.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			UNKNOWN-RESI		W2/F01	5.8	4.8	1	17.2%									N/A	N/A	N/A	N/A	N/A	N/A														

(1) KITCHEN SMALLER THAN 13m2  
 (2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)  
 (3) SINGLE ASPECT ROOM DEEPER THAN 5m



FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL

42 SNOWFIELDS (CONTINUED)																													
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	18.7	14.8	3.9	20.9%	18.7	14.8	3.9	20.9%	77.9	59.1	1.2	24.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F03	24.4	19.4	5	20.5%	24.4	19.4	5	20.5%	94.9	94	0.1	1.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN-RESI		W3/F03	13.9	9.6	4.3	30.9%	13.9	9.6	4.3	30.9%	62.4	59.4	0.5	4.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN-RESI		W4/F03	15.9	15.3	0.6	3.8%	16.6	16	0.6	3.6%	79.7	79.7	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W5/F03	18.9	18.3	0.6	3.2%									N/A	N/A	N/A	N/A	N/A	N/A						
F05	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F05	27.6	21.2	6.4	23.2%	27.6	21.2	6.4	23.2%	85.1	67.7	0.9	20.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F05	17.6	12.9	4.7	26.7%	17.6	12.9	4.7	26.7%	54.6	54.3	0.0	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN-RESI		W3/F05	24.3	23.6	0.7	2.9%	24.7	24	0.7	2.8%	82	82	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W4/F05	26.3	25.6	0.7	2.7%									N/A	N/A	N/A	N/A	N/A	N/A						

62 WESTON STREET																													
F00	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F00	10.8	10.6	0.2	1.9%	10.8	10.6	0.2	1.9%	58	58	0.0	0.0%	9	0	9	0	0.0%	0.0%	9	0	9	0	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	10.2	9.1	1.1	10.8%	10.2	9.1	1.1	10.8%	34.3	31.1	0.5	9.4%	6	0	6	0	0.0%	0.0%	6	0	6	0	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	15.1	14	1.1	7.3%	15.1	14	1.1	7.3%	76.4	76.4	0.0	0.0%	14	0	14	0	0.0%	0.0%	14	0	14	0	0.0%	0.0%
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	13.7	11.4	2.3	16.8%	13.7	11.4	2.3	16.8%	60	51.6	1.3	14.0%	7	0	7	0	0.0%	0.0%	7	0	7	0	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F02	20	17.4	2.6	13.0%	20	17.4	2.6	13.0%	96.7	96.7	0.0	0.0%	15	0	15	0	0.0%	0.0%	15	0	15	0	0.0%	0.0%
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	17.2	13.7	3.5	20.3%	17.2	13.7	3.5	20.3%	89.5	71.4	2.8	20.3%	9	0	8	0	11.1%	0.0%	9	0	8	0	11.1%	0.0%
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04 / HZ (2)	91.6	84.7	6.9	7.5%	91.6	84.7	6.9	7.5%	100	100	0.0	0.0%	84	25	81	25	3.6%	0.0%	84	25	81	25	3.6%	0.0%
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F04	21.8	17.8	4	18.3%	21.8	17.8	4	18.3%	85.4	67	2.8	21.5%	14	0	11	0	21.4%	0.0%	14	0	11	0	21.4%	0.0%
	R3	RESIDENTIAL	UNKNOWN-RESI		W3/F04	27.9	23.9	4	14.3%	27.9	23.9	4	14.3%	90.2	90.2	0.0	0.0%	32	1	29	1	9.4%	0.0%	32	1	29	1	9.4%	0.0%

64 WESTON STREET																													
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	8.2	6.6	1.6	19.5%	8.2	6.6	1.6	19.5%	43.1	41.2	0.2	4.3%	1	0	1	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	12	9.6	2.4	20.0%	12	9.6	2.4	20.0%	57.6	55.9	0.2	3.0%	9	0	9	0	0.0%	0.0%	9	0	9	0	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	8.6	8.6	0	0.0%	8.6	8.6	0	0.0%	28.1	28.1	0.0	0.1%	15	0	15	0	0.0%	0.0%	15	0	15	0	0.0%	0.0%
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	17.7	14.8	2.9	16.4%	17.7	14.8	2.9	16.4%	74.3	72.9	0.1	1.9%	28	6	26	6	7.1%	0.0%	28	6	26	6	7.1%	0.0%
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F02	12	12	0	0.0%	12	12	0	0.0%	39.4	39.4	0.0	0.1%	30	6	30	6	0.0%	0.0%	30	6	30	6	0.0%	0.0%
F03	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F03	16.3	16.3	0	0.0%	16.3	16.3	0	0.0%	56	55.9	0.0	0.0%	42	8	42	8	0.0%	0.0%	42	8	42	8	0.0%	0.0%
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	25.7	23.7	2	7.8%	25.7	23.7	2	7.8%	68.6	55.6	1.8	19.0%	44	10	41	10	6.8%	0.0%	44	10	41	10	6.8%	0.0%
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F04	20.8	20.8	0	0.0%	20.8	20.8	0	0.0%	83.6	83.6	0.0	0.0%	42	10	42	10	0.0%	0.0%	42	10	42	10	0.0%	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
66 WESTON STREET																													
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	28.7	25.3	3.4	11.8%	28.7	25.3	3.4	11.8%	97.1	95.1	0.3	2.1%	44	10	41	10	6.8%	0.0%	44	10	41	10	6.8%	0.0%
2-4 MELIOR PLACE																													
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	15.5	5.3	10.2	65.8%	15.5	5.3	10.2	65.8%	77.7	53.3	4.0	31.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F01	24.6	8.3	16.3	66.3%	24.6	8.3	16.3	66.3%	97.7	36.6	6.2	62.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	BEDROOM		W3/F01	23.7	9.2	14.5	61.2%	24.7	13.8	10.9	44.1%	100	92.1	0.8	7.9%	18	4	18	4	0.0%	0.0%	42	12	42	12	0.0%	0.0%
			BEDROOM		W4/F01	23.9	11.2	12.7	53.1%									35	6	35	6	0.0%	0.0%						
			BEDROOM		W5/F01	24.8	15	9.8	39.5%									33	8	33	8	0.0%	0.0%						
			BEDROOM		W6/F01	26.5	19.9	6.6	24.9%									41	11	41	11	0.0%	0.0%						
	R4 (3)	RESIDENTIAL	LIVING ROOM		W7/F01	30.6	26.2	4.4	14.4%	31	26.4	4.6	14.8%	98.2	97.6	0.3	0.7%	55	16	55	16	0.0%	0.0%	57	17	56	17	1.8%	0.0%
			LIVING ROOM		W8/F01	31.4	26.5	4.9	15.6%									54	15	53	15	1.9%	0.0%						
	R5	RESIDENTIAL	LIVING ROOM		W9/F01	31.3	26.7	4.6	14.7%	22.6	21.2	1.4	6.2%	99.5	99.5	0.0	0.0%	55	14	54	14	1.8%	0.0%	78	20	77	20	1.3%	0.0%
			LIVING ROOM		W10/F01	31	29.6	1.4	4.5%									61	16	60	16	1.6%	0.0%						
			LIVING ROOM		W11/F01	29.9	29.7	0.2	0.7%									70	18	69	18	1.4%	0.0%						
			LIVING ROOM		W12/F01	27.9	27.9	0	0.0%									71	16	71	16	0.0%	0.0%						
			LIVING ROOM		W13/F01	22	22	0	0.0%									56	9	56	9	0.0%	0.0%						
			LIVING ROOM		W14/F01	0.4	0.4	0	0.0%									1	0	1	0	0.0%	0.0%						
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	21	7.5	13.5	64.3%	21	7.5	13.5	64.3%	77.8	65.5	2.0	15.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F02	30.2	10.4	19.8	65.6%	30.2	10.4	19.8	65.6%	97.1	33.6	6.4	65.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	BEDROOM		W3/F02	31.3	12.7	18.6	59.4%	32.5	17.6	14.9	45.8%	100	92.9	0.7	7.1%	27	4	25	4	7.4%	0.0%	48	14	48	14	0.0%	0.0%
			BEDROOM		W4/F02	32.1	15.2	16.9	52.6%									34	6	32	6	5.9%	0.0%						
			BEDROOM		W5/F02	32.9	19.1	13.8	41.9%									41	10	40	10	2.4%	0.0%						
			BEDROOM		W6/F02	33.6	23.5	10.1	30.1%									47	14	47	14	0.0%	0.0%						
	R4 (3)	RESIDENTIAL	LIVING ROOM		W7/F02	34.6	28.9	5.7	16.5%	34.6	29.2	5.4	15.6%	98.9	98.2	0.3	0.7%	58	19	58	19	0.0%	0.0%	60	19	59	19	1.7%	0.0%
			LIVING ROOM		W8/F02	34.7	29.4	5.3	15.3%									59	18	58	18	1.7%	0.0%						
	R5	RESIDENTIAL	LIVING ROOM		W9/F02	34.9	30.1	4.8	13.8%	34.7	32.7	2	5.8%	100	100	0.0	0.0%	58	17	57	17	1.7%	0.0%	88	25	87	25	11%	0.0%
			LIVING ROOM		W10/F02	35.1	33.7	1.4	4.0%									68	21	67	21	1.5%	0.0%						
			LIVING ROOM		W11/F02	34.9	34.7	0.2	0.6%									78	24	77	24	1.3%	0.0%						
			LIVING ROOM		W12/F02	34.5	34.5	0	0.0%									82	23	82	23	0.0%	0.0%						
			LIVING ROOM		W13/F02	33.6	33.6	0	0.0%									79	22	79	22	0.0%	0.0%						
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	23.6	8.5	15.1	64.0%	23.6	8.5	15.1	64.0%	81.2	68.3	1.9	16.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)											
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %							
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER						
2-4 MELIOR PLACE (CONTINUED)																																			
	R2	RESIDENTIAL	BEDROOM		W2/F03	32.9	11.1	21.8	66.3%	32.9	11.1	21.8	66.3%	96.7	37.7	6.6	61.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R3	RESIDENTIAL	BEDROOM		W3/F03	35	13.7	21.3	60.9%	36	19.1	16.9	46.9%	100	91.3	0.8	8.7%	28	5	26	5	7.1%	0.0%	49	15	49	15	0.0%	0.0%						
			BEDROOM		W4/F03	35.7	16.5	19.2	53.8%									35	7	33	7	5.7%	0.0%												
			BEDROOM		W5/F03	36.4	20.8	15.6	42.9%									43	11	45	11	2.3%	0.0%												
			BEDROOM		W6/F03	36.9	25.6	11.3	30.6%									49	15	49	15	0.0%	0.0%												
	R4	RESIDENTIAL	LIVING ROOM		W7/F03	37.4	31.1	6.3	16.8%	37.5	34.5	3	8.0%	100	100	0.0	0.0%	60	20	59	20	1.7%	0.0%	93	29	92	29	11%	0.0%						
			LIVING ROOM		W8/F03	37.6	32.1	5.5	14.6%									61	20	60	20	1.6%	0.0%												
			LIVING ROOM		W9/F03	37.4	32.5	4.9	13.1%									60	19	59	19	1.7%	0.0%												
			LIVING ROOM		W10/F03	37.6	32.8	4.8	12.8%									61	20	60	20	1.6%	0.0%												
			LIVING ROOM		W11/F03	37.9	36.7	1.2	3.2%									73	25	72	25	1.4%	0.0%												
			LIVING ROOM		W12/F03	38	38	0	0.0%									82	28	82	28	0.0%	0.0%												
			LIVING ROOM		W13/F03	38.2	38.2	0	0.0%									88	29	88	29	0.0%	0.0%												
			LIVING ROOM		W14/F03	37.9	37.9	0	0.0%									86	29	86	29	0.0%	0.0%												
			LIVING ROOM		W15/F03	36.5	36.5	0	0.0%									78	27	78	27	0.0%	0.0%												
F04	R1	RESIDENTIAL	BEDROOM		W1/F04	35.1	14.5	20.6	58.7%	35.1	14.5	20.6	58.7%	81.2	68.7	1.8	15.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	BEDROOM		W2/F04	35.3	12.1	23.2	65.7%	35.3	12.1	23.2	65.7%	93.8	23.7	7.8	74.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	BEDROOM		W3/F04	37	14.4	22.6	61.1%	37.8	19.9	17.9	47.4%	100	91.3	0.8	8.7%	28	5	26	5	7.1%	0.0%	50	15	49	15	2.0%	0.0%						
			BEDROOM		W4/F04	37.6	17.2	20.4	54.3%									35	7	33	7	5.7%	0.0%												
			BEDROOM		W5/F04	38.1	21.5	16.6	43.6%									44	11	42	11	4.5%	0.0%												
			BEDROOM		W6/F04	38.4	26.5	11.9	31.0%									50	15	49	15	2.0%	0.0%												
	R4	RESIDENTIAL	LIVING ROOM		W7/F04	38.9	32.4	6.5	16.7%	38.9	36.1	2.8	7.2%	100	100	0.0	0.0%	61	20	60	20	1.6%	0.0%	95	30	94	30	11%	0.0%						
			LIVING ROOM		W8/F04	39	33.2	5.8	14.9%									61	20	60	20	1.6%	0.0%												
			LIVING ROOM		W9/F04	38.9	33.8	5.1	13.1%									61	20	60	20	1.6%	0.0%												
			LIVING ROOM		W10/F04	39.2	38.3	0.9	2.3%									76	26	75	26	1.3%	0.0%												
			LIVING ROOM		W11/F04	39.2	39.2	0	0.0%									83	28	83	28	0.0%	0.0%												
			LIVING ROOM		W12/F04	39.2	39.2	0	0.0%									88	30	88	30	0.0%	0.0%												
			LIVING ROOM		W13/F04	39	39	0	0.0%									87	30	87	30	0.0%	0.0%												
			LIVING ROOM		W14/F04	38.3	38.3	0	0.0%									79	29	79	29	0.0%	0.0%												
F05	R1	RESIDENTIAL	BEDROOM		W1/F05	32.9	10.7	22.2	67.5%	32.9	10.7	22.2	67.5%	100	93.5	0.8	6.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	BEDROOM		W2/F05	33.1	9.6	23.5	71.0%	34.6	19.4	15.2	43.9%	100	100	0.0	0.0%	42	0	3	0	25.0%	0.0%	50	17	49	17	2.0%	0.0%						
			BEDROOM		W3/F05	35	11.3	23.7	67.7%									24	3	21	3	12.5%	0.0%												

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
						%	%		%	%	%		%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
2-4 MELIOR PLACE (CONTINUED)																														
			BEDROOM		W4/F05	35.7	16.1	19.6	54.9%																					
			BEDROOM		W5/F05	36.1	23.3	12.8	35.5%																					
			BEDROOM		W6/F05	35.3	29	6.3	17.8%																					
	R3	RESIDENTIAL	LKD		W7/F05	35.3	29.9	5.4	15.3%	35.2	33.1	2.1	6.0%	100	100	0.0	0.0%	52	19	51	19	1.9%	0.0%	97	30	96	30	10%	0.0%	
			LKD		W8/F05	36.7	33.6	3.1	8.4%																					
			LKD		W9/F05	37.1	36.6	0.5	1.3%																					
			LKD		W10/F05	37.1	37.1	0	0.0%																					
			LKD		W11/F05	36.6	36.6	0	0.0%																					
			LKD		W12/F05	35.1	35.1	0	0.0%																					
			LKD		W13/F05	33.3	33.3	0	0.0%																					

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

Future Baseline V Cumulative B

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
16 MELIOR STREET																													
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	2.9	0.6	2.3	79.3%	26.2	1.3	24.9	95.0%	98.6	19.5	10.8	80.2%	0	0	0	0	0.0%	0.0%	19	2	6	0	68.4%	100.0%
			BEDROOM		W2/F01	26.2	0.9	25.3	96.6%									0	0	0	0	100.0%	0.0%						
			BEDROOM		W3/F01	31.6	1.6	30	94.9%									19	2	6	0	68.4%	100.0%						
			BEDROOM		W4/F01	31.6	1.6	30	94.9%									19	2	6	0	68.4%	100.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F01	31.4	1.6	29.8	94.9%	31.4	1.6	29.8	94.9%	99.3	10.9	10.1	89.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F01	8.9	0	8.9	100.0%	20.4	7	13.4	65.7%	88.1	71.2	6.8	19.2%	9	0	0	0	100.0%	0.0%	50	13	35	11	30.0%	15.4%
			LKD		W7/F01	30.5	2.3	28.2	92.5%									20	2	5	0	75.0%	100.0%						
			LKD		W8/F01	30	4.8	25.2	84.0%									20	2	5	0	75.0%	100.0%						
			LKD		W9/F01	11.5	11.5	0	0.0%									23	10	23	10	0.0%	0.0%						
			LKD		W10/F01	11.6	11.6	0	0.0%									27	0	27	11	0.0%	0.0%						
			LKD		W11/F01	12.2	12.1	0.1	0.8%									30	11	30	11	0.0%	0.0%						
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	3.1	0.7	2.4	77.4%	27.2	1.5	25.7	94.5%	98.6	32.7	9.0	66.8%	0	0	0	0	0.0%	0.0%	20	2	7	0	65.0%	100.0%
			BEDROOM		W2/F02	27.3	1.3	26	95.2%									8	0	0	0	100.0%	0.0%						
			BEDROOM		W3/F02	32.8	1.7	31.1	94.8%									19	2	6	0	68.4%	100.0%						
			BEDROOM		W4/F02	32.8	1.8	31	94.5%									20	2	7	0	65.0%	100.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F02	32.7	1.8	30.9	94.5%	32.7	1.8	30.9	94.5%	99.3	11.2	10.1	88.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F02	9.1	0	9.1	100.0%	21.4	7.5	13.9	65.0%	97.1	76.4	8.3	21.3%	9	0	0	0	100.0%	0.0%	50	13	35	11	30.0%	15.4%
			LKD		W7/F02	31.8	2.5	29.3	92.1%									20	2	5	0	75.0%	100.0%						
			LKD		W8/F02	31.3	5.3	26	83.1%									19	2	5	0	73.7%	100.0%						
			LKD		W9/F02	12.4	12.3	0.1	0.8%									23	10	23	10	0.0%	0.0%						
			LKD		W10/F02	12.4	12.4	0	0.0%									27	0	27	11	0.0%	0.0%						
			LKD		W11/F02	13	12.9	0.1	0.8%									30	11	30	11	0.0%	0.0%						
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	33.1	13	20.1	60.7%	34.1	4.4	29.7	87.1%	99.1	52.1	6.4	47.4%	49	9	35	7	28.6%	22.2%	49	9	36	7	26.5%	22.2%
			BEDROOM		W2/F03	35.7	6.5	29.2	81.8%									23	4	20	5	39.4%	50.0%						
			BEDROOM		W3/F03	33.9	1.9	32	94.4%									20	2	7	0	65.0%	100.0%						
			BEDROOM		W4/F03	33.8	1.9	31.9	94.4%									20	2	7	0	65.0%	100.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F03	33.7	1.9	31.8	94.4%	33.7	1.9	31.8	94.4%	99.3	11.2	10.1	88.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F03	9.3	0	9.3	100.0%	22.3	8	14.3	64.1%	100	82.3	7.1	17.7%	9	0	0	0	100.0%	0.0%	50	13	36	11	28.0%	15.4%
			LKD		W7/F03	32.9	2.7	30.2	91.8%									19	2	5	0	73.7%	100.0%						
			LKD		W8/F03	32.5	5.6	26.9	82.8%									19	2	5	0	73.7%	100.0%						
			LKD		W9/F03	13.2	13.2	0	0.0%									24	10	24	10	0.0%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL
16 MELIOR STREET (CONTINUED)																													
			LKD		W10/F03	13.2	13.1	0.1	0.8%									27	11	27	11	0.0%	0.0%						
			LKD		W11/F03	13.7	13.7	0	0.0%									30	11	30	11	0.0%	0.0%						
F04	R1	RESIDENTIAL	BEDROOM		W1/F04	36.2	15.7	20.5	56.6%	35.3	5	30.3	85.8%	99.1	42.6	7.7	57.0%	57	17	43	15	24.6%	11.8%	57	17	44	15	22.8%	11.8%
			BEDROOM		W2/F04	36.9	7.1	29.8	80.8%									36	7	23	5	36.1%	28.6%						
			BEDROOM		W3/F04	34.7	2	32.7	94.2%									30	2	7	0	65.0%	100.0%						
			BEDROOM		W4/F04	34.6	2	32.6	94.2%									20	2	7	0	65.0%	100.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F04	34.5	2	32.5	94.2%	34.5	2	32.5	94.2%	99.3	11.4	10.1	88.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F04	9.5	0	9.5	100.0%	23.2	8.5	14.7	63.4%	100	89.7	4.2	10.3%	9	0	0	0	100.0%	0.0%	51	13	36	11	29.4%	15.4%
			LKD		W7/F04	33.9	2.9	31	91.4%									20	2	5	0	75.0%	100.0%						
			LKD		W8/F04	33.5	6	27.5	82.1%									20	2	5	0	75.0%	100.0%						
			LKD		W9/F04	14	14	0	0.0%									24	10	24	10	0.0%	0.0%						
			LKD		W10/F04	13.9	13.8	0.1	0.7%									27	11	27	11	0.0%	0.0%						
			LKD		W11/F04	14.4	14.4	0	0.0%									30	11	30	11	0.0%	0.0%						
F05	R1	RESIDENTIAL	BEDROOM		W1/F05	37.8	14.6	23.2	61.4%	36	4	32	88.9%	98.9	37.6	8.4	62.0%	49	14	35	12	28.6%	14.3%	49	14	36	12	26.5%	14.3%
			BEDROOM		W2/F05	37	4.4	32.6	88.1%									30	4	16	5	46.7%	50.0%						
			BEDROOM		W3/F05	35.5	2.2	33.3	93.8%									20	2	7	0	65.0%	100.0%						
			BEDROOM		W4/F05	35.4	2.2	33.2	93.8%									30	2	7	0	65.0%	100.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F05	35.3	2.3	33	93.5%	35.3	2.3	33	93.5%	99.3	11.9	10.0	88.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F05	9.7	0	9.7	100.0%	24	8.9	15.1	62.9%	100	98.7	0.5	1.3%	9	0	0	0	100.0%	0.0%	52	14	37	12	28.8%	14.3%
			LKD		W7/F05	34.7	3.3	31.4	90.5%									20	2	5	0	75.0%	100.0%						
			LKD		W8/F05	34.4	6.6	27.8	80.8%									20	2	5	0	75.0%	100.0%						
			LKD		W9/F05	14.8	14.7	0.1	0.7%									24	10	24	10	0.0%	0.0%						
			LKD		W10/F05	14.5	14.5	0	0.0%									28	12	28	12	0.0%	0.0%						
			LKD		W11/F05	15.2	15.2	0	0.0%									31	12	31	12	0.0%	0.0%						
F06	R1	RESIDENTIAL	BEDROOM		W1/F06	38.7	15.3	23.4	60.5%	36.7	4.2	32.5	88.6%	98.9	36.7	8.5	62.9%	49	14	35	12	28.6%	14.3%	49	14	36	12	26.5%	14.3%
			BEDROOM		W2/F06	37.7	4.6	33.1	87.8%									30	4	16	2	46.7%	50.0%						
			BEDROOM		W3/F06	36.2	2.4	33.8	93.4%									30	2	7	0	65.0%	100.0%						
			BEDROOM		W4/F06	36.1	2.4	33.7	93.4%									20	2	7	0	65.0%	100.0%						
	R2	RESIDENTIAL	BEDROOM		W5/F06	36	2.4	33.6	93.3%	36	2.4	33.6	93.3%	99.3	11.8	10.0	88.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LKD		W6/F06	9.5	0	9.5	100.0%	24.7	9.3	15.4	62.3%	100	98.8	0.5	1.2%	9	0	0	0	100.0%	0.0%	53	14	38	12	28.3%	14.3%
			LKD		W7/F06	35.5	3.4	32.1	90.4%									20	2	5	0	75.0%	100.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
16 MELIOR STREET (CONTINUED)																													
			LKD		W8/F06	35.3	7	28.3	80.2%									20	2	5	0	75.0%	100.0%						
			LKD		W9/F06	15.6	15.6	0	0.0%									28	10	25	10	0.0%	0.0%						
			LKD		W10/F06	15.2	15.2	0	0.0%									29	12	29	12	0.0%	0.0%						
			LKD		W11/F06	15.9	15.8	0.1	0.6%									31	15	31	15	0.0%	0.0%						
8 MELIOR ST-36 SNOWFIELDS																													
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	10.2	9.5	0.7	6.9%	10.2	9.5	0.7	6.9%	52.3	44.5	11	14.9%	20	7	20	7	0.0%	0.0%	20	7	20	7	0.0%	0.0%
	R2	RESIDENTIAL	BEDROOM		W2/F01	14	13.3	0.7	5.0%	14	13.3	0.7	5.0%	95.8	94.8	0.1	10%	30	4	27	4	10.0%	0.0%	30	4	27	4	10.0%	0.0%
	R4	RESIDENTIAL	BEDROOM		W4/F01	5.6	5.6	0	0.0%	6.7	6.7	0	0.0%	29.6	29.6	0.0	0.0%	16	5	16	5	0.0%	0.0%	24	8	24	8	0.0%	0.0%
			BEDROOM		W5/F01	9.4	9.4	0	0.0%									21	7	21	7	0.0%	0.0%						
			BEDROOM		W6/F01	11	11	0	0.0%									0	0	0	0	0.0%	0.0%						
	R5	RESIDENTIAL	BEDROOM		W7/F01	8.3	8.3	0	0.0%	4.4	4.4	0	0.0%	17.7	17.7	0.0	0.0%	17	5	17	5	0.0%	0.0%	18	5	18	5	0.0%	0.0%
			BEDROOM		W8/F01	4.6	4.6	0	0.0%									15	4	15	4	0.0%	0.0%						
			BEDROOM		W9/F01	0.1	0.1	0	0.0%									0	0	0	0	0.0%	0.0%						
	R6 (3)	RESIDENTIAL	LKD		W10/F01	11	0.9	10.1	91.8%	11	0.9	10.1	91.8%	82.9	50	10.9	39.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R7	RESIDENTIAL	BEDROOM		W11/F01	2.8	1	1.8	64.3%	2.8	1	1.8	64.3%	92.3	80.5	1.4	12.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	LKD		W12/F01	4.5	0.3	4.2	93.3%	17.5	3	14.5	82.9%	91.6	87.6	1.0	4.4%	7	0	0	0	100.0%	0.0%	12	2	1	0	91.7%	100.0%
			LKD		W13/F01	29.7	5.7	24	80.8%									11	2	1	0	90.9%	100.0%						
			LKD		W14/F01	9.5	0.6	8.9	93.7%									0	0	0	0	0.0%	0.0%						
	R9	RESIDENTIAL	LKD		W15/F01	5.1	1.3	3.8	74.5%	5.7	3.1	2.6	45.6%	77.8	73.2	1.7	5.8%	1	0	0	0	0.0%	0.0%	8	0	8	0	0.0%	0.0%
			LKD		W32/F01	7	7	0	0.0%									8	0	8	0	0.0%	0.0%						
	R10	RESIDENTIAL	BEDROOM		W16/F01	11.5	2.8	8.7	75.7%	24.8	4	20.8	83.9%	98.5	69.2	5.2	29.7%	9	2	0	0	100.0%	100.0%	16	2	2	0	87.5%	100.0%
			BEDROOM		W17/F01	31.8	5.2	26.6	83.6%									15	2	2	0	87.5%	100.0%						
			BEDROOM		W18/F01	11.3	0.4	10.9	96.5%									0	0	0	0	0.0%	0.0%						
	R12	RESIDENTIAL	LKD		W20/F01	9.4	0.4	9	95.7%	10.9	5.6	5.3	48.6%	81.2	68.1	5.0	16.1%	0	0	0	0	0.0%	0.0%	22	2	22	2	0.0%	0.0%
			LKD		W31/F01	13	13	0	0.0%									22	2	22	2	0.0%	0.0%						
	R13	RESIDENTIAL	BEDROOM		W21/F01	10.2	1.1	9.1	89.2%	22	1.3	20.7	94.1%	89.8	22.4	9.2	75.1%	11	2	2	0	81.8%	100.0%	12	2	3	0	75.0%	100.0%
			BEDROOM		W22/F01	32.2	1.8	30.4	94.4%									15	2	1	0	75.0%	100.0%						
			BEDROOM		W23/F01	10.9	0.2	10.7	98.2%									0	0	0	0	0.0%	0.0%						
	R14	RESIDENTIAL	BEDROOM		W24/F01	11.1	2.2	8.9	80.2%	23	1.9	21.1	91.7%	99.3	16.4	10.5	83.5%	9	0	2	0	77.8%	0.0%	17	2	6	0	64.7%	100.0%
			BEDROOM		W25/F01	32.6	1.8	30.8	94.5%									17	2	5	0	64.7%	100.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)							
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %			
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER		
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																															
			BEDROOM		W26/F01	13.6	1.7	11.9	87.5%																						
	R16	RESIDENTIAL	BEDROOM		W28/F01	32.7	1.8	30.9	94.5%	32.7	1.8	30.9	94.5%	99.7	17.8	10.7	82.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R17	RESIDENTIAL	LKD		W29/F01	13	1.3	11.7	90.0%	10.6	2.7	7.9	74.5%	99.8	40.6	15.1	59.3%		0	0	0	100.0%	0.0%	7	1	6	1	14.3%	0.0%		
			LKD		W30/F01	5.6	5.6	0	0.0%										6	1	6	1	0.0%	0.0%							
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	26.8	21.6	5.2	19.4%	26.8	21.6	5.2	19.4%	98.7	82.7	2.3	16.2%	51	15	47	15	7.8%	0.0%	51	15	47	15	7.8%	0.0%		
	R2	RESIDENTIAL	BEDROOM		W2/F02	26	23.3	2.7	10.4%	26	23.3	2.7	10.4%	99.8	99.7	0.0	0.1%	53	18	48	18	9.4%	0.0%	53	18	48	18	9.4%	0.0%		
	R4	RESIDENTIAL	BEDROOM		W4/F02	8.5	8.5	0	0.0%	12.1	12.1	0	0.0%	59.1	59.1	0.0	0.0%	28	11	28	11	0.0%	0.0%	37	14	37	14	0.0%	0.0%		
			BEDROOM		W5/F02	17.8	17.8	0	0.0%									34	12	34	12	0.0%	0.0%								
			BEDROOM		W6/F02	2	2	0	0.0%									0	0	0	0	0.0%	0.0%								
	R5	RESIDENTIAL	BEDROOM		W7/F02	12.3	12.3	0	0.0%	7.3	7.3	0	0.0%	28.1	28.1	0.0	0.0%	27	9	27	9	0.0%	0.0%	28	9	28	9	0.0%	0.0%		
			BEDROOM		W8/F02	8.3	8.3	0	0.0%									26	9	26	9	0.0%	0.0%								
			BEDROOM		W9/F02	0.1	0.1	0	0.0%									0	0	0	0	0.0%	0.0%								
	R6 (3)	RESIDENTIAL	LKD		W10/F02	14.4	1.6	12.8	88.9%	14.4	1.6	12.8	88.9%	98.5	79	6.4	19.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R7	RESIDENTIAL	BEDROOM		W11/F02	4.3	1.3	3	69.8%	4.3	1.3	3	69.8%	98	81.2	2.0	17.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	LKD		W12/F02	5.8	0.4	5.4	93.1%	19.8	3.2	16.6	83.8%	93	87.6	1.3	5.8%	8	0	0	0	100.0%	0.0%	13	2	1	0	92.3%	100.0%		
			LKD		W13/F02	33.1	6	27.1	81.9%									13	2	1	0	92.3%	100.0%								
			LKD		W14/F02	9.9	0.6	9.3	93.9%									0	0	0	0	0.0%	0.0%								
	R9	RESIDENTIAL	LKD		W15/F02	6.2	1.3	4.9	79.0%	7.1	3.8	3.3	46.5%	78.7	73.2	2.1	7.1%	0	0	0	0	0.0%	0.0%	13	0	13	0	0.0%	0.0%		
			LKD		W32/F02	9.2	9.2	0	0.0%									13	0	13	0	0.0%	0.0%								
	R10	RESIDENTIAL	BEDROOM		W16/F02	13.1	3.1	10	76.3%	26.5	4.3	22.2	83.8%	98.4	69.2	5.2	29.7%	12	2	0	0	100.0%	100.0%	17	2	2	0	88.2%	100.0%		
			BEDROOM		W17/F02	33.8	5.5	28.3	83.7%									17	2	0	0	88.2%	100.0%								
			BEDROOM		W18/F02	12.1	0.7	11.4	94.2%									0	0	0	0	0.0%	0.0%								
	R12	RESIDENTIAL	LKD		W20/F02	10.4	0.4	10	96.2%	13.4	7.6	5.8	43.3%	81.9	76	2.2	7.2%	0	0	0	0	0.0%	0.0%	34	3	34	3	0.0%	0.0%		
			LKD		W31/F02	17.7	17.7	0	0.0%									34	3	34	3	0.0%	0.0%								
	R13	RESIDENTIAL	BEDROOM		W21/F02	11.4	1.4	10	87.7%	23.3	1.4	21.9	94.0%	89.8	16	10.1	82.1%	12	2	2	0	83.3%	100.0%	13	2	4	0	69.2%	100.0%		
			BEDROOM		W22/F02	33.8	1.9	31.9	94.4%									13	2	4	0	69.2%	100.0%								
			BEDROOM		W23/F02	11.3	0.2	11.1	98.2%									0	0	0	0	0.0%	0.0%								
	R14	RESIDENTIAL	BEDROOM		W24/F02	11.9	2.4	9.5	79.8%	24.1	2.1	22	91.3%	99.3	17.3	10.4	82.6%	10	0	3	0	70.0%	0.0%	18	2	6	0	66.7%	100.0%		
			BEDROOM		W25/F02	34.1	2	32.1	94.1%									18	2	0	0	66.7%	100.0%								
			BEDROOM		W26/F02	14.2	1.9	12.3	86.6%									0	0	0	0	0.0%	0.0%								
	R16	RESIDENTIAL	BEDROOM		W28/F02	34.1	2.1	32	93.8%	34.1	2.1	32	93.8%	99.7	19.4	10.5	80.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2  
 (2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)  
 (3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																													
	R17	RESIDENTIAL	LKD		W29/F02	13.9	1.4	12.5	89.9%	13.1	4.6	8.5	64.9%	99.8	52.3	12.1	47.6%	1	0	0	0	100.0%	0.0%	13	3	12	3	7.7%	0.0%
			LKD		W30/F02	11.4	11.4	0	0.0%									12	3	12	3	0.0%	0.0%						
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	34.9	27.3	7.6	21.8%	34.9	27.3	7.6	21.8%	99.3	86.8	1.8	12.6%	59	20	54	20	8.5%	0.0%	59	20	54	20	8.5%	0.0%
	R2	RESIDENTIAL	BEDROOM		W2/F03	31.4	26.2	5.2	16.6%	31.4	26.2	5.2	16.6%	99.8	99.7	0.0	0.0%	55	20	51	20	7.3%	0.0%	55	20	51	20	7.3%	0.0%
	R4	RESIDENTIAL	BEDROOM		W4/F03	12.2	12.2	0	0.0%	18.2	18	0.2	11%	71.5	71.2	0.1	0.5%	36	13	36	13	0.0%	0.0%	49	16	49	16	0.0%	0.0%
			BEDROOM		W5/F03	26.5	26.4	0.1	0.4%									48	16	48	16	0.0%	0.0%						
			BEDROOM		W6/F03	4.2	3.6	0.6	14.3%									6	0	6	0	0.0%	0.0%						
	R5	RESIDENTIAL	BEDROOM		W7/F03	16.6	16.6	0	0.0%	11.2	11.2	0	0.0%	56.6	56.6	0.0	0.0%	40	15	40	15	0.0%	0.0%	41	16	41	16	0.0%	0.0%
			BEDROOM		W8/F03	13.5	13.5	0	0.0%									36	15	36	15	0.0%	0.0%						
			BEDROOM		W9/F03	0.1	0.1	0	0.0%									1	0	1	0	0.0%	0.0%						
	R6 (3)	RESIDENTIAL	LKD		W10/F03	16	1.8	14.2	88.8%	16	1.8	14.2	88.8%	100	79.3	6.9	20.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R7	RESIDENTIAL	BEDROOM		W11/F03	4.9	1.3	3.6	73.5%	4.9	1.3	3.6	73.5%	98	81.5	2.0	16.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	LKD		W12/F03	6.4	0.4	6	93.8%	20.9	3.4	17.5	83.7%	95.7	87.6	1.9	8.5%	8	0	0	0	100.0%	0.0%	13	2	1	0	92.3%	100.0%
			LKD		W13/F03	34.7	6.3	28.4	81.8%									13	2	1	0	93.3%	100.0%						
			LKD		W14/F03	10.5	0.8	9.7	92.4%									0	0	0	0	0.0%	0.0%						
	R9	RESIDENTIAL	LKD		W15/F03	7.1	1.4	5.7	80.3%	8.6	4.7	3.9	45.3%	82	73.7	3.1	10.1%	0	0	0	0	0.0%	0.0%	18	1	18	1	0.0%	0.0%
			LKD		W32/F03	12	12	0	0.0%									18	1	18	1	0.0%	0.0%						
	R10	RESIDENTIAL	BEDROOM		W16/F03	14.3	3.7	10.6	74.1%	28.1	4.8	23.3	82.9%	98.5	69.2	5.2	29.8%	12	2	0	0	100.0%	100.0%	17	2	3	0	82.4%	100.0%
			BEDROOM		W17/F03	35.2	5.8	29.4	83.5%									17	2	3	0	82.4%	100.0%						
			BEDROOM		W18/F03	14.5	1.9	12.6	86.9%									1	0	1	0	0.0%	0.0%						
	R12	RESIDENTIAL	LKD		W20/F03	11.3	0.4	10.9	96.5%	16.4	10.1	6.3	38.4%	82	81.4	0.2	0.7%	0	0	0	0	0.0%	0.0%	44	6	44	6	0.0%	0.0%
			LKD		W31/F03	23.7	23.7	0	0.0%									44	6	44	6	0.0%	0.0%						
	R13	RESIDENTIAL	BEDROOM		W21/F03	13.3	2.7	10.6	79.7%	24.6	2	22.6	91.9%	89.8	15.3	10.2	82.9%	12	2	2	0	83.3%	100.0%	13	2	4	0	69.2%	100.0%
			BEDROOM		W22/F03	35.1	2.2	32.9	93.7%									13	2	4	0	76.9%	100.0%						
			BEDROOM		W23/F03	11.7	0.3	11.4	97.4%									0	0	0	0	0.0%	0.0%						
	R14	RESIDENTIAL	BEDROOM		W24/F03	12.6	2.7	9.9	78.6%	25.1	2.3	22.8	90.8%	99.3	16.5	10.5	83.4%	10	0	3	0	70.0%	0.0%	19	2	8	0	57.9%	100.0%
			BEDROOM		W25/F03	35.3	2.2	33.1	93.8%									19	2	8	0	57.9%	100.0%						
			BEDROOM		W26/F03	14.8	2.1	12.7	85.8%									0	0	0	0	0.0%	0.0%						
	R16	RESIDENTIAL	BEDROOM		W28/F03	35.2	2.2	33	93.7%	35.2	2.2	33	93.7%	99.7	19.3	10.5	80.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R17	RESIDENTIAL	LKD		W29/F03	15.5	1.5	14	90.3%	17.8	8.2	9.6	53.9%	100	98.8	0.3	1.2%	1	0	0	0	100.0%	0.0%	43	12	42	12	2.3%	0.0%
			LKD		W30/F03	22.6	22.6	0	0.0%									42	12	42	12	0.0%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																													
F04	R2	RESIDENTIAL	BEDROOM		W2/F04	23.7	23.7	0	0.0%	25.2	23	2.2	8.7%	75.1	72.7	0.4	3.3%	54	23	54	23	0.0%	0.0%	68	25	64	25	5.9%	0.0%
			BEDROOM		W3/F04	32.5	30.1	2.4	7.4%									62	23	58	23	6.5%	0.0%						
			BEDROOM		W4/F04	9	5.4	3.6	40.0%									0	2	0	0	0.0%	0.0%						
	R3	RESIDENTIAL	BEDROOM		W5/F04	19.9	19.9	0	0.0%	14.7	14.7	0	0.0%	68.3	68.3	0.0	0.0%	47	20	47	20	0.0%	0.0%	49	20	49	20	0.0%	0.0%
			BEDROOM		W6/F04	18.6	18.6	0	0.0%									45	18	45	18	0.0%	0.0%						
			BEDROOM		W7/F04	0.1	0.1	0	0.0%									0	0	0	0	0.0%	0.0%						
	R4 (3)	RESIDENTIAL	LKD		W8/F04	30.8	5.8	25	81.2%	30.8	5.8	25	81.2%	100	80	6.6	20.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R5	RESIDENTIAL	BEDROOM		W9/F04	5.2	1.3	3.9	75.0%	5.2	1.3	3.9	75.0%	98	81.7	2.0	16.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R6	RESIDENTIAL	LKD		W10/F04	6.1	0.4	5.7	93.4%	21.6	3.6	18	83.3%	95.9	88	1.9	8.2%	7	0	0	0	100.0%	0.0%	14	2	1	0	92.9%	100.0%
			LKD		W11/F04	36.1	6.6	29.5	81.7%									13	2	1	0	92.3%	100.0%						
			LKD		W12/F04	11.8	1.5	10.3	87.3%										0	0	0	0	0.0%	0.0%					
	R7	RESIDENTIAL	LKD		W13/F04	7.6	1.4	6.2	81.6%	10.2	6	4.2	41.2%	17.4	17.4	0.0	0.0%	1	0	0	0	100.0%	0.0%	29	2	28	2	3.4%	0.0%
			LKD		W30/F04	15.9	15.9	0	0.0%									28	2	28	2	0.0%	0.0%						
	R8	RESIDENTIAL	BEDROOM		W14/F04	16.4	5.5	10.9	66.5%	29.6	5.4	24.2	81.8%	98.7	69.2	5.2	29.8%	14	2	1	0	92.9%	100.0%	20	2	6	0	70.0%	100.0%
			BEDROOM		W15/F04	36.4	6	30.4	83.5%									19	2	3	0	73.7%	100.0%						
			BEDROOM		W16/F04	16.8	3.2	13.6	81.0%									0	0	0	0	0.0%	0.0%						
	R10	RESIDENTIAL	LKD		W18/F04	14.9	0.5	14.4	96.6%	21.3	13.1	8.2	38.5%	82	81.5	0.2	0.7%	1	0	0	0	100.0%	0.0%	59	14	58	14	1.7%	0.0%
			LKD		W29/F04	29.7	29.7	0	0.0%									58	14	58	14	0.0%	0.0%						
	R11	RESIDENTIAL	BEDROOM		W19/F04	19.3	6.8	12.5	64.8%	27.2	3.5	23.7	87.1%	90.3	13.1	10.6	85.5%	21	2	10	0	52.4%	100.0%	21	2	11	0	47.6%	100.0%
			BEDROOM		W20/F04	36.3	2.5	33.8	93.1%									20	2	9	0	55.0%	100.0%						
			BEDROOM		W21/F04	13.3	1.3	12	90.2%									1	0	0	0	0.0%	0.0%						
	R12	RESIDENTIAL	BEDROOM		W22/F04	14.3	4.1	10.2	71.3%	26.3	2.9	23.4	89.0%	99.3	14.7	10.7	85.2%	11	0	3	0	72.7%	0.0%	20	2	9	0	55.0%	100.0%
			BEDROOM		W23/F04	36.3	2.3	34	93.7%									20	2	0	0	55.0%	100.0%						
			BEDROOM		W24/F04	15.9	2.8	13.1	82.4%									0	0	0	0	0.0%	0.0%						
	R14	RESIDENTIAL	BEDROOM		W26/F04	36.2	2.2	34	93.9%	36.2	2.2	34	93.9%	99.8	7.5	12.0	92.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R15	RESIDENTIAL	LKD		W27/F04	30.7	4.2	26.5	86.3%	31.2	12.5	18.7	59.9%	100	36.1	16.3	63.9%	1	0	0	0	100.0%	0.0%	57	18	56	18	18%	0.0%
			LKD		W28/F04	32.5	32.5	0	0.0%									56	18	56	18	0.0%	0.0%						
F05	R1	RESIDENTIAL	LKD		W1/F05	39.3	39.3	0	0.0%	39.1	35	4.1	10.5%	100	100	0.0	0.0%	80	28	80	28	0.0%	0.0%	99	30	95	30	4.0%	0.0%
			LKD		W2/F05	38.9	32.2	6.7	17.2%									67	23	63	23	6.0%	0.0%						
	R2	RESIDENTIAL	LKD		W3/F05	27.4	20.6	6.8	24.8%	22.9	13	9.9	43.2%	100	96.8	1.2	3.2%	51	13	45	13	11.8%	0.0%	59	16	48	16	18.6%	0.0%
			LKD		W4/F05	29.2	19.6	9.6	32.9%									55	14	45	14	18.2%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
8 MELIOR ST-36 SNOWFIELDS (CONTINUED)																													
			LKD		W5/F05	28.1	6.4	21.7	77.2%									17	0	6	0	64.7%	0.0%						
			LKD		W6/F05	7.7	1.8	5.9	76.6%									1	0	0	0	0.0%	0.0%						
R3	RESIDENTIAL		BEDROOM		W7/F05	10.3	0.8	9.5	92.2%	24.5	4.2	20.3	82.9%	82.6	78.9	0.7	4.4%	10	0	0	0	100.0%	0.0%	20	2	5	0	75.0%	100.0%
			BEDROOM		W8/F05	37.6	7.2	30.4	80.9%									50	2	3	0	75.0%	100.0%						
			BEDROOM		W9/F05	17	3.3	13.7	80.6%									0	0	0	0	0.0%	0.0%						
R4	RESIDENTIAL		LKD		W10/F05	12.2	2.1	10.1	82.8%	14.8	7.3	7.5	50.7%	83.4	78.5	1.8	5.8%	1	0	0	0	100.0%	0.0%	39	5	38	5	2.6%	0.0%
			LKD		W20/F05	21.9	21.9	0	0.0%									38	5	38	5	0.0%	0.0%						
R5	RESIDENTIAL		BEDROOM		W11/F05	21.1	8.7	12.4	58.8%	31.4	6.4	25	79.6%	98.7	70.9	5.0	28.2%	22	2	8	0	63.6%	100.0%	22	2	10	0	54.5%	100.0%
			BEDROOM		W12/F05	37.4	6.3	31.1	83.2%									20	2	8	0	60.0%	100.0%						
			BEDROOM		W13/F05	18.5	4.6	13.9	75.1%									4	0	0	0	0.0%	0.0%						
R7	RESIDENTIAL		BEDROOM		W15/F05	36.6	3.9	32.7	89.3%	36.6	3.9	32.7	89.3%	97.1	56	5.3	42.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
R8	RESIDENTIAL		LKD		W16/F05	37.1	2.9	34.2	92.2%	33.7	12.3	21.4	63.5%	90	83.3	2.9	7.5%	9	1	9	0	52.0%	100.0%	85	26	75	25	11.8%	3.8%
			LKD		W18/F05	22	22	0	0.0%									51	21	51	21	0.0%	0.0%						
			LKD		W19/F05	32	32	0	0.0%									65	24	65	24	0.0%	0.0%						
F06	R3	RESIDENTIAL	LKD		W3/F06	39.6	29.1	10.5	26.5%	39	20.2	18.8	48.2%	99.7	91.2	4.1	8.5%	68	23	55	22	19.1%	4.3%	68	23	55	22	19.1%	4.3%
			LKD		W4/F06	38.1	7.6	30.5	80.1%									50	2	0	0	10.0%	100.0%						
R4	RESIDENTIAL		BEDROOM		W5/F06	38	7.6	30.4	80.0%	38	7.6	30.4	80.0%	98.2	62.4	4.4	36.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
R5	RESIDENTIAL		BEDROOM		W6/F06	37.9	7.4	30.5	80.5%	37.9	7.4	30.5	80.5%	99.4	78.7	2.9	20.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
R6	RESIDENTIAL		LKD		W7/F06	37.8	5.2	32.6	86.2%	32.3	16.5	15.8	48.9%	95.3	94.7	0.2	0.5%	20	2	8	0	60.0%	100.0%	97	28	85	26	12.4%	7.1%
			LKD		W8/F06	9.6	0	9.6	100.0%									1	0	0	0	0.0%	0.0%						
			LKD		W11/F06	37.4	37.4	0	0.0%									77	26	77	26	0.0%	0.0%						
R7	RESIDENTIAL		BEDROOM		W9/F06	27.1	0.4	26.7	98.5%	28.6	7.1	21.5	75.2%	65.4	41.4	4.0	36.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W10/F06	31.3	18.8	12.5	39.9%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
103 -114 GUINNESS COURT																													
B01	R1	RESIDENTIAL	BEDROOM		W1/B01	17.1	11.9	5.2	30.4%	17.1	11.9	5.2	30.4%	23.9	16.3	0.7	31.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/B01	17.2	12	5.2	30.2%	17.2	12	5.2	30.2%	38	30.7	0.5	19.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/B01	17.4	12.2	5.2	29.9%	16.5	12	4.5	27.3%	71.1	36.7	6.5	48.3%	7	0	3	0	57.1%	0.0%	33	8	29	8	12.1%	0.0%
			LIVING ROOM		W4/B01	17.4	12.2	5.2	29.9%									7	0	3	0	57.1%	0.0%						
			LIVING ROOM		W5/B01	14	11.6	2.4	17.1%									26	8	26	8	0.0%	0.0%						
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W6/B01	15.4	14.5	0.9	5.8%	15.9	14.8	1.1	6.9%	51.1	50.1	0.1	1.8%	26	7	26	7	0.0%	0.0%	26	7	26	7	0.0%	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)												
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.		PR.		LOSS %		EX.		PR.		LOSS %								
						%	%	%	%	%	%	%	%	%	%	%	%	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER						
103 -114 GUINNESS COURT (CONTINUED)																																				
			KITCHEN-RESI (1)		W7/B01	17.1	15.4	1.7	9.9%									26	7	26	7	0.0%	0.0%													
	R9	RESIDENTIAL	KITCHEN-RESI (1)		W12/B01	18.8	16.9	1.9	10.1%	18.8	17	1.8	9.6%	50.1	50.1	0.0	0.0%	28	9	28	9	0.0%	0.0%	28	9	28	9	0.0%	0.0%							
			KITCHEN-RESI (1)		W13/B01	18.8	17	1.8	9.6%									28	9	28	9	0.0%	0.0%													
	R10	RESIDENTIAL	BEDROOM		W14/B01	19	17.4	1.6	8.4%	19	17.4	1.6	8.4%	30.8	30.6	0.0	0.8%	28	9	28	9	0.0%	0.0%	28	9	28	9	0.0%	0.0%							
F00	R1	RESIDENTIAL	BEDROOM		W1/F00	20.1	13	7.1	35.3%	20.1	13	7.1	35.3%	35.6	22.7	1.2	36.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	BEDROOM		W2/F00	20.2	13	7.2	35.6%	20.2	13	7.2	35.6%	53.9	42.3	0.8	21.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/F00	20.3	13.1	7.2	35.5%	20.3	13.1	7.2	35.5%	47.2	32.3	2.8	31.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W4/F00	20.3	13.1	7.2	35.5%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F00	20.3	17.6	2.7	13.3%	20.9	17.9	3	14.4%	61.2	61	0.0	0.4%	30	7	30	7	0.0%	0.0%	30	7	30	7	0.0%	0.0%							
			KITCHEN-RESI (1)		W6/F00	22.5	18.6	3.9	17.3%									30	7	30	7	0.0%	0.0%													
	R9	RESIDENTIAL	KITCHEN-RESI (1)		W11/F00	22.8	20.2	2.6	11.4%	22.8	20.3	2.5	11.0%	70.1	70.1	0.0	0.0%	32	9	32	9	0.0%	0.0%	32	9	32	9	0.0%	0.0%							
			KITCHEN-RESI (1)		W12/F00	22.8	20.4	2.4	10.5%									32	9	32	9	0.0%	0.0%													
	R10	RESIDENTIAL	BEDROOM		W13/F00	22.9	20.7	2.2	9.6%	22.9	20.7	2.2	9.6%	44.8	44.6	0.0	0.4%	32	9	32	9	0.0%	0.0%	32	9	32	9	0.0%	0.0%							
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	23.3	14	9.3	39.9%	23.3	14	9.3	39.9%	54.6	32	2.2	41.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F01	23.4	13.9	9.5	40.6%	23.4	13.9	9.5	40.6%	77.2	58.7	1.2	24.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/F01	23.5	14	9.5	40.4%	23.5	14	9.5	40.4%	65	42.7	4.3	34.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W4/F01	23.5	13.9	9.6	40.9%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F01	25.1	21.5	3.6	14.3%	25.7	21.8	3.9	15.2%	83.3	83.3	0.0	0.0%	41	12	41	12	0.0%	0.0%	41	12	41	12	0.0%	0.0%							
			KITCHEN-RESI (1)		W6/F01	27.1	22.4	4.7	17.3%									41	12	41	12	0.0%	0.0%													
	R9	RESIDENTIAL	KITCHEN-RESI (1)		W11/F01	27.4	24.1	3.3	12.0%	27.4	24.2	3.2	11.7%	99.7	99.7	0.0	0.0%	40	11	40	11	0.0%	0.0%	40	11	40	11	0.0%	0.0%							
			KITCHEN-RESI (1)		W12/F01	27.4	24.3	3.1	11.3%									40	11	40	11	0.0%	0.0%													
	R10	RESIDENTIAL	BEDROOM		W13/F01	27.5	24.6	2.9	10.5%	27.5	24.6	2.9	10.5%	71.3	71.2	0.0	0.2%	40	11	40	11	0.0%	0.0%	40	11	40	11	0.0%	0.0%							
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	26.5	15	11.5	43.4%	26.5	15	11.5	43.4%	72.7	43.8	2.8	39.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F02	26.6	14.9	11.7	44.0%	26.6	14.9	11.7	44.0%	84.5	64.3	1.4	23.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F02	26.8	14.8	12	44.8%	26.8	14.8	12	44.8%	85.7	54.6	5.9	36.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F02	26.8	14.8	12	44.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F02	31.4	26.5	4.9	15.6%	31.4	26.5	4.9	15.6%	96.5	96.5	0.0	0.0%	49	13	46	13	6.1%	0.0%	49	13	46	13	6.1%	0.0%							
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F02	32.4	28.3	4.1	12.7%	32.4	28.3	4.1	12.7%	98	97.7	0.0	0.2%	48	13	46	13	4.2%	0.0%	48	13	46	13	4.2%	0.0%							
	R9	RESIDENTIAL	BEDROOM		W10/F02	32.5	28.7	3.8	11.7%	32.5	28.7	3.8	11.7%	94.3	94.2	0.0	0.1%	47	12	46	12	2.1%	0.0%	47	12	46	12	2.1%	0.0%							
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	29.4	16	13.4	45.6%	29.4	16	13.4	45.6%	92.3	67.4	2.4	27.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F03	29.5	15.9	13.6	46.1%	29.5	15.9	13.6	46.1%	93.3	82.4	0.7	11.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2  
 (2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)  
 (3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)															
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %											
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER									
103 -114 GUINNESS COURT (CONTINUED)																																							
	R3	RESIDENTIAL	LIVING ROOM		W3/F03	29.6	15.7	13.9	47.0%	29.6	15.6	14	47.3%	94.7	75.1	3.7	20.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			LIVING ROOM		W4/F03	29.6	15.6	14	47.3%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F03	35.9	29.8	6.1	17.0%	35.9	29.8	6.1	17.0%	96.5	96.5	0.0	0.0%	52	15	50	15	3.8%	0.0%	52	15	50	15	3.8%	0.0%	52	15	50	15	3.8%	0.0%	52	15		
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W9/F03	36.8	31.3	5.5	14.9%	36.8	31.3	5.5	14.9%	98	97.9	0.0	0.1%	52	15	50	15	3.8%	0.0%	52	15	50	15	3.8%	0.0%	52	15	50	15	3.8%	0.0%	52	15		
	R9	RESIDENTIAL	BEDROOM		W10/F03	36.9	31.7	5.2	14.1%	36.9	31.7	5.2	14.1%	94.3	94.3	0.0	0.0%	52	15	50	15	3.8%	0.0%	52	15	50	15	3.8%	0.0%	52	15	50	15	3.8%	0.0%	52	15		
1-15 GUINNESS COURT																																							
B01	R1	RESIDENTIAL	BEDROOM		W1/B01	22.5	11.2	11.3	50.2%	22.5	11.2	11.3	50.2%	43.5	20.3	2.3	53.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	BEDROOM		W2/B01	21.9	11.3	10.6	48.4%	21.9	11.3	10.6	48.4%	79.9	30.7	3.5	61.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	LIVING ROOM		W3/B01	20.4	11.5	8.9	43.6%	20.2	11.6	8.6	42.6%	57.5	21.9	7.0	61.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W4/B01	19.9	11.6	8.3	41.7%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/B01	14.1	14.1	0	0.0%	15.4	15.2	0.2	1.3%	49.8	49.8	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			KITCHEN-RESI (1)		W6/B01	16.6	16.3	0.3	1.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W10/B01	18	17	1	5.6%	18	17	1	5.6%	50.3	50.3	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			KITCHEN-RESI (1)		W11/B01	18.1	17.1	1	5.5%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R9	RESIDENTIAL	BEDROOM		W12/B01	18.3	17.3	1	5.5%	18.3	17.3	1	5.5%	31	30.3	0.1	2.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F00	R1	RESIDENTIAL	BEDROOM		W1/F00	25.5	12.1	13.4	52.5%	25.5	12.1	13.4	52.5%	58.4	26.1	3.2	55.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F00	25.1	12.1	13	51.8%	25.1	12.1	13	51.8%	89	36.7	3.7	58.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F00	24	12.4	11.6	48.3%	23.8	12.5	11.3	47.5%	68.3	32.2	7.1	52.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F00	23.6	12.5	11.1	47.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F00	17.7	17.7	0	0.0%	19.2	18.9	0.3	1.6%	60.4	60.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W6/F00	20.6	20.1	0.5	2.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R8	RESIDENTIAL	KITCHEN-RESI (1)		W10/F00	21.7	20.7	1	4.6%	21.8	20.8	1	4.6%	69.9	69.8	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W11/F00	21.8	20.8	1	4.6%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R9	RESIDENTIAL	BEDROOM		W12/F00	22	20.9	1.1	5.0%	22	20.9	1.1	5.0%	44.8	44.1	0.1	14%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	27.8	12.9	14.9	53.6%	27.8	12.9	14.9	53.6%	73.5	32.6	4.0	55.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F01	27.6	13	14.6	52.9%	27.6	13	14.6	52.9%	89.9	43.9	3.2	51.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	LIVING ROOM		W3/F01	27.2	13.2	14	51.5%	27	13.2	13.8	51.1%	82	43.2	7.6	47.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W4/F01	26.9	13.3	13.6	50.6%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	KITCHEN-RESI (1)		W5/F01	21.7	21.7	0	0.0%	23.2	22.9	0.3	1.3%	83.4	83.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			KITCHEN-RESI (1)		W6/F01	24.7	24.1	0.6	2.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m



FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)													
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %									
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER							
RAQUEL COURT (CONTINUED)																																					
			LIVING ROOM		W13/F01	31.7	19.5	12.2	38.5%										N/A	N/A	N/A	N/A	N/A	N/A													
	R5	RESIDENTIAL	BEDROOM		W14/F01	32.6	25.7	6.9	21.2%	32.6	25.7	6.9	21.2%	98.7	95.7	0.4	3.1%	45	12	45	12	0.0%	0.0%	45	12	45	12	0.0%	0.0%								
	R6	RESIDENTIAL	BEDROOM		W15/F01	32.8	26.6	6.2	18.9%	32.8	26.6	6.2	18.9%	99.3	96.7	0.3	2.7%	46	12	46	12	0.0%	0.0%	46	12	46	12	0.0%	0.0%								
	R7	RESIDENTIAL	BEDROOM		W16/F01	32.8	27.3	5.5	16.8%	32.8	27.3	5.5	16.8%	99.2	96.7	0.3	2.5%	46	12	46	12	0.0%	0.0%	46	12	46	12	0.0%	0.0%								
F02	R1	RESIDENTIAL	LKD		W1/F02	32.9	10.6	22.3	67.8%	32.9	12.1	20.8	63.2%	100	89	1.5	11.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LKD		W2/F02	32.9	12.1	20.8	63.2%									N/A	N/A	N/A	N/A	N/A	N/A														
			LKD		W3/F02	32.9	12.8	20.1	61.1%									N/A	N/A	N/A	N/A	N/A	N/A														
			LKD		W4/F02	32.9	12.8	20.1	61.1%									N/A	N/A	N/A	N/A	N/A	N/A														
	R2	RESIDENTIAL	BEDROOM		W5/F02	32.8	12.3	20.5	62.5%	32.8	12.2	20.6	62.8%	100	74	1.8	26.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W6/F02	32.7	12.2	20.5	62.7%									N/A	N/A	N/A	N/A	N/A	N/A														
	R3	RESIDENTIAL	BEDROOM		W7/F02	32.7	12.3	20.4	62.4%	32.7	13.1	19.6	59.9%	100	89.9	1.4	10.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W8/F02	32.7	12.6	20.1	61.5%									N/A	N/A	N/A	N/A	N/A	N/A														
			BEDROOM		W9/F02	32.7	13.8	18.9	57.8%									N/A	N/A	N/A	N/A	N/A	N/A														
			BEDROOM		W10/F02	32.7	14.2	18.5	56.6%									N/A	N/A	N/A	N/A	N/A	N/A														
	R4	RESIDENTIAL	LIVING ROOM		W11/F02	32.8	17.7	15.1	46.0%	32.9	18.9	14	42.6%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LIVING ROOM		W12/F02	32.8	18.3	14.5	44.2%									N/A	N/A	N/A	N/A	N/A	N/A														
			LIVING ROOM		W13/F02	33	20.5	12.5	37.9%									N/A	N/A	N/A	N/A	N/A	N/A														
	R5	RESIDENTIAL	BEDROOM		W14/F02	33.8	26.8	7	20.7%	33.8	26.8	7	20.7%	98.7	95.7	0.4	3.1%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%								
	R6	RESIDENTIAL	BEDROOM		W15/F02	34	27.7	6.3	18.5%	34	27.7	6.3	18.5%	99.3	96.7	0.3	2.6%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%								
	R7	RESIDENTIAL	BEDROOM		W16/F02	34	28.3	5.7	16.8%	34	28.3	5.7	16.8%	99.2	96.8	0.3	2.5%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%								
F03	R1	RESIDENTIAL	LKD		W1/F03	34.1	11.1	23	67.4%	34	12.6	21.4	62.9%	100	89.2	1.5	10.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			LKD		W2/F03	34	12.7	21.3	62.6%									N/A	N/A	N/A	N/A	N/A	N/A														
			LKD		W3/F03	34	13.4	20.6	60.6%									N/A	N/A	N/A	N/A	N/A	N/A														
			LKD		W4/F03	34	13.4	20.6	60.6%									N/A	N/A	N/A	N/A	N/A	N/A														
	R2	RESIDENTIAL	BEDROOM		W5/F03	33.8	12.8	21	62.1%	33.8	12.8	21	62.1%	100	74	1.8	26.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W6/F03	33.8	12.7	21.1	62.4%									N/A	N/A	N/A	N/A	N/A	N/A														
	R3	RESIDENTIAL	BEDROOM		W7/F03	33.8	12.9	20.9	61.8%	33.8	13.7	20.1	59.5%	100	91.1	1.2	8.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			BEDROOM		W8/F03	33.8	13.2	20.6	60.9%									N/A	N/A	N/A	N/A	N/A	N/A														
			BEDROOM		W9/F03	33.8	14.3	19.5	57.7%									N/A	N/A	N/A	N/A	N/A	N/A														
			BEDROOM		W10/F03	33.8	14.8	19	56.2%									N/A	N/A	N/A	N/A	N/A	N/A														
	R4	RESIDENTIAL	LIVING ROOM		W11/F03	33.9	18.4	15.5	45.7%	34	19.6	14.4	42.4%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2  
 (2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)  
 (3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER

RAQUEL COURT (CONTINUED)

			LIVING ROOM		W12/F03	33.9	19	14.9	44.0%									N/A	N/A	N/A	N/A	N/A	N/A															
			LIVING ROOM		W13/F03	34.1	21.2	12.9	37.8%										N/A	N/A	N/A	N/A	N/A	N/A														
	R5	RESIDENTIAL	BEDROOM		W14/F03	34.8	27.6	7.2	20.7%	34.8	27.6	7.2	20.7%	98.7	95.5	0.4	3.3%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%									
	R6	RESIDENTIAL	BEDROOM		W15/F03	34.9	28.5	6.4	18.3%	34.9	28.5	6.4	18.3%	99.3	96.7	0.3	2.6%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%									
	R7	RESIDENTIAL	BEDROOM		W16/F03	34.9	29.1	5.8	16.6%	34.9	29.1	5.8	16.6%	99.2	96.9	0.3	2.4%	48	14	48	14	0.0%	0.0%	48	14	48	14	0.0%	0.0%									
F04	R1	RESIDENTIAL	ASSUMED-RESI		W1/F04	33.3	11.6	21.7	65.2%	33.3	11.6	21.7	65.2%	100	70.8	3.3	29.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	ASSUMED-RESI		W2/F04	33.5	13.5	20	59.7%	33.5	13.8	19.7	58.8%	99.9	77.6	2.5	22.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			ASSUMED-RESI		W3/F04	33.4	14.4	19	56.9%									N/A	N/A	N/A	N/A	N/A	N/A															
	R3	RESIDENTIAL	ASSUMED-RESI		W4/F04	33.4	17.2	16.2	48.5%	33.4	17.2	16.2	48.5%	100	99.8	0.0	0.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	ASSUMED-RESI		W5/F04	34.2	26.4	7.8	22.8%	34.2	26.4	7.8	22.8%	100	99.1	0.1	0.9%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%									
	R5	RESIDENTIAL	ASSUMED-RESI		W6/F04	34.2	27.8	6.4	18.7%	34.2	27.8	6.4	18.7%	100	99.7	0.1	0.3%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%									
	R6	RESIDENTIAL	ASSUMED-RESI		W7/F04	34.4	28.8	5.6	16.3%	34.4	28.8	5.6	16.3%	100	100	0.0	0.0%	47	13	47	13	0.0%	0.0%	47	13	47	13	0.0%	0.0%									

LA SALETTE CHURCH

F00	R1	NON-COMMERCIAL	RELIGIOUS		W1/F00	30	4.6	25.4	84.7%	20.1	6.2	13.9	69.2%	96.6	80.7	37.2	16.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			RELIGIOUS		W2/F00	29.8	5.3	24.5	82.2%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W1/F01 (dup.)	32.8	5.5	27.3	83.2%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W2/F01 (dup.)	30.4	4.8	25.6	84.2%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W3/F01 (dup.)	31.8	5.5	26.3	82.7%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W4/F01 (dup.)	30.4	4.9	25.5	83.9%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W5/F01 (dup.)	31.4	5.2	26.2	83.4%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W6/F01 (dup.)	30.4	5	25.4	83.6%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W7/F01 (dup.)	33	5.8	27.2	82.4%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W8/F01 (dup.)	21.7	5.2	16.5	76.0%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W9/F01 (dup.)	31.1	5.6	25.5	82.0%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W10/F01 (dup.)	31.9	5.5	26.4	82.8%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W11/F01 (dup.)	32.6	6.3	26.3	80.7%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W15/F01 (dup.)	6.1	5.4	0.7	11.5%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W16/F01 (dup.)	8.4	7.1	1.3	15.5%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W17/F01 (dup.)	9.7	8.3	1.4	14.4%									N/A	N/A	N/A	N/A	N/A	N/A														
			RELIGIOUS		W18/F01 (dup.)	10.3	9	1.3	12.6%									N/A	N/A	N/A	N/A	N/A	N/A														

(1) KITCHEN SMALLER THAN 13m2  
 (2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)  
 (3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
LA SALETTE CHURCH (CONTINUED)																													
			RELIGIOUS		W19/F01 (dup.)	10.7	9.4	1.3	12.1%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W20/F01 (dup.)	9.5	8.3	1.2	12.6%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W21/F01 (dup.)	6.2	5	1.2	19.4%										N/A	N/A	N/A	N/A	N/A	N/A					
			RELIGIOUS		W22/F01 (dup.)	3.6	2.4	1.2	33.3%										N/A	N/A	N/A	N/A	N/A	N/A					
	R2	NON-COMMERCIAL	RELIGIOUS		W3/F00	31.5	6.7	24.8	78.7%	31.5	6.7	24.8	78.7%	45.1	13.8	1.4	69.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	NON-COMMERCIAL	RELIGIOUS		W1/F01	32.8	5.5	27.3	83.2%	19.5	6.3	13.2	67.7%	88.3	56.9	14.7	35.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			RELIGIOUS		W2/F01	30.4	4.8	25.6	84.2%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W3/F01	31.8	5.5	26.3	82.7%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W4/F01	30.4	4.9	25.5	83.9%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W5/F01	31.4	5.2	26.2	83.4%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W6/F01	30.4	5	25.4	83.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W7/F01	33	5.8	27.2	82.4%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W8/F01	21.7	5.2	16.5	76.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W9/F01	31.1	5.6	25.5	82.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W10/F01	31.9	5.5	26.4	82.8%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W11/F01	32.6	6.3	26.3	80.7%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W15/F01	6.1	5.4	0.7	11.5%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W16/F01	8.4	7.1	1.3	15.5%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W17/F01	9.7	8.3	1.4	14.4%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W18/F01	10.3	9	1.3	12.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W19/F01	10.7	9.4	1.3	12.1%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W20/F01	9.5	8.3	1.2	12.6%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W21/F01	6.2	5	1.2	19.4%									N/A	N/A	N/A	N/A	N/A	N/A						
			RELIGIOUS		W22/F01	3.6	2.4	1.2	33.3%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	NON-COMMERCIAL	RELIGIOUS		W12/F01	33	7.1	25.9	78.5%	33	7	26	78.8%	93.2	58.5	8.5	37.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			RELIGIOUS		W13/F01	32.9	6.9	26	79.0%									N/A	N/A	N/A	N/A	N/A	N/A						
	R3	NON-COMMERCIAL	RELIGIOUS		W14/F01	32.8	5.4	27.4	83.5%	32.8	5.4	27.4	83.5%	100	58.7	1.0	41.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
14 MELIOR STREET																													
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	29.9	4	25.9	86.6%	29.9	4	25.9	86.6%	98.3	52.9	9.5	46.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W2/F00	29.9	4.1	25.8	86.3%									N/A	N/A	N/A	N/A	N/A	N/A						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)										
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %						
						%	%	%	%	%	%	%	%	%	%	%	%	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER				
14 MELIOR STREET (CONTINUED)																																		
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	32.8	4.8	28	85.4%	32.8	4.9	27.9	85.1%	98.9	59.2	8.3	40.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W2/F01	32.7	5.1	27.6	84.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	34.3	5.3	29	84.5%	34.5	5.5	29	84.1%	98.5	52.8	9.6	46.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W2/F02	35.3	5.7	29.6	83.9%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W3/F02	34.3	5.5	28.8	84.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SNOWFIELDS PRIMARY SCHOOL																																		
F00	R1	EDUCATIONAL	EDUCATIONAL		W1/F00	33.4	30.2	3.2	9.6%	32.5	27.9	4.6	14.2%	99.6	99.3	0.1	0.2%	46	12	46	12	0.0%	0.0%	47	13	47	13	0.0%	0.0%					
			EDUCATIONAL		W2/F00	33.5	30	3.5	10.4%									47	13	47	13	0.0%	0.0%											
			EDUCATIONAL		W3/F00	33.2	29.5	3.7	11.1%									47	13	47	13	0.0%	0.0%											
			EDUCATIONAL		W4/F00	25.9	12.8	13.1	50.6%														0.0%	0.0%										
	R2	EDUCATIONAL	EDUCATIONAL		W5/F00	27	13.1	13.9	51.5%	26.3	13.4	12.9	49.0%	83.6	34.2	20.6	59.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			EDUCATIONAL		W7/F00	25.6	13.6	12	46.9%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	EDUCATIONAL	EDUCATIONAL		W6/F00	31.4	17.2	14.2	45.2%	31.4	17.2	14.2	45.2%	99.9	62.2	3.1	37.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	EDUCATIONAL	EDUCATIONAL		W1/F01	28.1	13.7	14.4	51.2%	27.4	14	13.4	48.9%	92.8	35.7	23.8	61.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			EDUCATIONAL		W3/F01	26.8	14.2	12.6	47.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	EDUCATIONAL	EDUCATIONAL		W2/F01	32.7	18	14.7	45.0%	32.7	18	14.7	45.0%	99.9	62.2	3.1	37.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F02	R1	EDUCATIONAL	EDUCATIONAL		W1/F02	36.5	33.1	3.4	9.3%	35.6	30.7	4.9	13.8%	99.6	99.3	0.1	0.2%	49	14	48	14	2.0%	0.0%	49	14	48	14	2.0%	0.0%					
			EDUCATIONAL		W2/F02	36.7	33	3.7	10.1%									49	14	48	14	2.0%	0.0%											
			EDUCATIONAL		W3/F02	36.5	32.6	3.9	10.7%									49	14	48	14	2.0%	0.0%											
			EDUCATIONAL		W4/F02	27.7	13.9	13.8	49.8%														20.0%	0.0%										
	R2	EDUCATIONAL	EDUCATIONAL		W5/F02	29.1	14.3	14.8	50.9%	28.5	14.6	13.9	48.8%	93.5	37.3	23.4	60.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			EDUCATIONAL		W7/F02	27.9	14.9	13	46.6%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	EDUCATIONAL	EDUCATIONAL		W6/F02	33.9	18.8	15.1	44.5%	33.9	18.8	15.1	44.5%	99.9	62.2	3.1	37.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F03	R1	EDUCATIONAL	EDUCATIONAL		W1/F03	29.9	14.9	15	50.2%	29.3	15.2	14.1	48.1%	93.7	37.9	23.2	59.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			EDUCATIONAL		W3/F03	28.7	15.5	13.2	46.0%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	EDUCATIONAL	EDUCATIONAL		W2/F03	34.7	19.4	15.3	44.1%	34.7	19.4	15.3	44.1%	99.9	61.7	3.1	38.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F04	R1	EDUCATIONAL	EDUCATIONAL		W1/F04	38.2	34.9	3.3	8.6%	37.6	33.3	4.3	11.4%	99.6	99.4	0.1	0.2%	50	15	49	15	2.0%	0.0%	50	15	49	15	2.0%	0.0%					
			EDUCATIONAL		W2/F04	38.5	35	3.5	9.1%									50	15	49	15	2.0%	0.0%											
			EDUCATIONAL		W3/F04	38.2	34.3	3.9	10.2%									50	15	49	15	2.0%	0.0%											
			EDUCATIONAL		W4/F04	29.9	16.2	13.7	45.8%														16.7%	0.0%										

(1) KITCHEN SMALLER THAN 13m2  
 (2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)  
 (3) SINGLE ASPECT ROOM DEEPER THAN 5m



FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)													
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.		PR.		LOSS %		EX.		PR.		LOSS %									
						%	%	%	%	%	%	%	%	%	%	%	%	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER							
8-20 SNOWFIELDS (CONTINUED)																																					
	R11	RESIDENTIAL	BEDROOM		W11/F03	28.1	5.8	22.3	79.4%	28.1	5.8	22.3	79.4%	95.1	23.8	6.7	75.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
38 SNOWFIELDS																																					
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	10.1	5.5	4.6	45.5%	10.1	5.5	4.6	45.5%	22.9	18.7	0.4	18.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	14.3	7.2	7.1	49.7%	14.3	7.2	7.1	49.7%	43.5	35.5	0.8	18.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	9.9	5.3	4.6	46.5%	9.9	5.3	4.6	46.5%	16	13.3	0.5	17.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	18.4	8.8	9.6	52.2%	18.4	8.8	9.6	52.2%	67.3	53	14	21.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F02	12.9	6.7	6.2	48.1%	12.9	6.7	6.2	48.1%	23.4	18.9	0.8	19.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	21.9	8.9	13	59.4%	21.9	8.9	13	59.4%	85.2	59.8	2.5	29.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F03	16.5	8.6	7.9	47.9%	16.5	8.6	7.9	47.9%	36.6	26.7	1.8	27.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	21.8	11.7	10.1	46.3%	21.8	11.7	10.1	46.3%	75.2	56.4	3.3	24.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39 SNOWFIELDS																																					
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	7.2	5.2	2	27.8%	7.2	5.2	2	27.8%	25.6	20.3	0.5	20.8%	1	0	1	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%								
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	8.6	4.1	4.5	52.3%	9.6	4.4	5.2	54.2%	33.8	29.3	0.6	13.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W3/F01	11.1	5	6.1	55.0%									N/A	N/A	N/A	N/A	N/A	N/A														
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	16.2	8.4	7.8	48.1%	11	7	4	36.4%	46.9	34	11	27.5%	0	0	0	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%								
			UNKNOWN-RESI		W2/F02	9.7	6.7	3	30.9%									1	0	1	0	0.0%	0.0%														
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F02	11.4	5	6.4	56.1%	12.8	5.4	7.4	57.8%	54.1	44	1.3	18.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W4/F02	15.1	6.1	9	59.6%									N/A	N/A	N/A	N/A	N/A	N/A														
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	23.3	10.8	12.5	53.6%	15.1	9.4	5.7	37.7%	68	48.5	1.7	28.8%	0	0	0	0	0.0%	0.0%	3	0	3	0	0.0%	0.0%								
			UNKNOWN-RESI		W2/F03	13.1	9.1	4	30.5%									3	0	3	0	0.0%	0.0%														
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F03	14.2	6	8.2	57.7%	16.1	6.6	9.5	59.0%	86	67.8	2.4	21.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W4/F03	19	7.5	11.5	60.5%									N/A	N/A	N/A	N/A	N/A	N/A														
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	18.1	4.6	13.5	74.6%	23	16.1	6.9	30.0%	83.5	37.1	4.0	55.6%	0	0	0	0	0.0%	0.0%	30	0	30	0	0.0%	0.0%								
			UNKNOWN-RESI		W2/F04	24.2	19	5.2	21.5%									30	0	30	0	0.0%	0.0%														
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F04	22.8	8.5	14.3	62.7%	22.8	8.5	14.3	62.7%	95	79.3	2.1	16.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
40 SNOWFIELDS																																					
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	7.6	5	2.6	34.2%	6.5	4.8	1.7	26.2%	25	21.5	0.5	14.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN-RESI		W2/F01	5.8	4.6	1.2	20.7%									N/A	N/A	N/A	N/A	N/A	N/A														

(1) KITCHEN SMALLER THAN 13m2  
 (2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)  
 (3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)									
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.		PR.		LOSS %		EX.		PR.		LOSS %					
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER				
40 SNOWFIELDS (CONTINUED)																																	
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F01	5.1	4.8	0.3	5.9%	5.1	4.8	0.3	5.9%	22.3	22.3	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	12.8	6.7	6.1	47.7%	10.7	6.3	4.4	41.1%	44.4	36.7	12	17.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W2/F02	9.4	6.1	3.3	35.1%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F02	7.5	6.8	0.7	9.3%	8.7	7	1.7	19.5%	39.9	31.2	0.6	21.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W4/F02	13.4	7.8	5.6	41.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	20.3	9.3	11	54.2%	17.2	8.7	8.5	49.4%	96.1	75.9	3.1	21.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W2/F03	15.2	8.3	6.9	45.4%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W3/F03	12.3	11	1.3	10.6%	14.5	11	3.5	24.1%	75	59.5	12	20.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W4/F03	23.3	10.9	12.4	53.2%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	23	11.4	11.6	50.4%	23	11.4	11.6	50.4%	92.1	73.9	2.6	19.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F04	23.6	22.1	1.5	6.4%	24.5	20.2	4.3	17.6%	97.2	82.7	1.1	15.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W3/F04	28.3	12.4	15.9	56.2%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
41 SNOWFIELDS																																	
F01	R2	RESIDENTIAL	BEDROOM		W2/F01	6.9	6.3	0.6	8.7%	6.9	6.3	0.6	8.7%	41.6	39.2	0.1	5.7%	0	0	0	0	0.0%	0.0%	0	0	0	0	0.0%	0.0%	0	0	0.0%	0.0%
F02	R2	RESIDENTIAL	BEDROOM		W2/F02	11.8	8.6	3.2	27.1%	11.8	8.6	3.2	27.1%	66.9	48.7	0.9	27.3%	1	0	1	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%	1	0	0.0%	0.0%
F03	R2	RESIDENTIAL	BEDROOM		W2/F03	19.3	12.9	6.4	33.2%	19.3	12.9	6.4	33.2%	83.3	53.4	1.5	35.8%	17	0	16	0	5.9%	0.0%	17	0	16	0	5.9%	0.0%	17	0	5.9%	0.0%
F04	R2	RESIDENTIAL	BEDROOM		W2/F04	27.6	19.7	7.9	28.6%	27.6	19.7	7.9	28.6%	84	54.8	1.5	34.8%	40	3	38	3	5.0%	0.0%	40	3	38	3	5.0%	0.0%	40	3	5.0%	0.0%
42 SNOWFIELDS																																	
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	10.1	4.4	5.7	56.4%	10.1	4.4	5.7	56.4%	62.4	35.5	2.2	43.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	10.6	3.9	6.7	63.2%	10.6	3.9	6.7	63.2%	46.6	29.5	1.1	36.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	13.3	6.3	7	52.6%	13.3	6.3	7	52.6%	82.4	55	2.2	33.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN-RESI		W3/F01	9.1	5.8	3.3	36.3%	9.1	5.8	3.3	36.3%	35.9	34.2	0.3	4.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN-RESI		W4/F01	6.5	6.1	0.4	6.2%	6.8	6.4	0.4	5.9%	31.1	31.1	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W5/F01	7.7	7.3	0.4	5.2%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	13.6	5	8.6	63.2%	13.6	5	8.6	63.2%	64.6	42	1.5	35.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F02	17.5	9	8.5	48.6%	17.5	9	8.5	48.6%	95.9	72.9	1.8	23.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN-RESI		W3/F02	11.6	7.8	3.8	32.8%	11.6	7.8	3.8	32.8%	53.7	49.6	0.7	7.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN-RESI		W4/F02	10.6	10.1	0.5	4.7%	11	10.5	0.5	4.5%	54.4	54.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W5/F02	12.6	12	0.6	4.8%									N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)														
						EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS	LOSS	EX.		PR.		LOSS %		EX.		PR.		LOSS %										
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER									
42 SNOWFIELDS (CONTINUED)																																						
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	18.9	8.1	10.8	57.1%	18.9	8.1	10.8	57.1%	77.9	59.1	1.2	24.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F03	24.6	13.4	11.2	45.5%	24.6	13.4	11.2	45.5%	95.3	89.6	0.5	6.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN-RESI		W3/F03	13.9	9.6	4.3	30.9%	13.9	9.6	4.3	30.9%	62.4	59.2	0.5	5.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN-RESI		W4/F03	15.9	15.3	0.6	3.8%	16.6	16	0.6	3.6%	79.7	79.7	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W5/F03	18.9	18.3	0.6	3.2%									N/A	N/A	N/A	N/A	N/A	N/A	N/A														
F05	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F05	27.9	14	13.9	49.8%	27.9	14	13.9	49.8%	85.1	62.8	1.2	26.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F05	17.6	11.9	5.7	32.4%	17.6	11.9	5.7	32.4%	54.6	54	0.1	11%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN-RESI		W3/F05	24.3	23.6	0.7	2.9%	24.7	24	0.7	2.8%	82	82	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN-RESI		W4/F05	26.3	25.6	0.7	2.7%									N/A	N/A	N/A	N/A	N/A	N/A	N/A														
62 WESTON STREET																																						
F00	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F00	10.8	9.7	1.1	10.2%	10.8	9.7	1.1	10.2%	58	57.9	0.0	0.2%	9	0	9	0	0.0%	0.0%	9	0	9	0	0.0%	0.0%	9	0	9	0	0.0%	0.0%	9	0	
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	10.2	7.2	3	29.4%	10.2	7.2	3	29.4%	34.3	27.4	1.1	20.2%	6	0	5	0	16.7%	0.0%	6	0	5	0	16.7%	0.0%	6	0	5	0	16.7%	0.0%	6	0	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	15.1	12	3.1	20.5%	15.1	12	3.1	20.5%	76.4	73.4	0.2	4.0%	14	0	13	0	7.1%	0.0%	14	0	13	0	7.1%	0.0%	14	0	13	0	7.1%	0.0%	14	0	
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	13.7	8.1	5.6	40.9%	13.7	8.1	5.6	40.9%	60	35	3.8	41.6%	7	0	5	0	28.6%	0.0%	7	0	5	0	28.6%	0.0%	7	0	5	0	28.6%	0.0%	7	0	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F02	20	13.8	6.2	31.0%	20	13.8	6.2	31.0%	96.7	88.8	0.6	8.1%	15	0	13	0	13.3%	0.0%	15	0	13	0	13.3%	0.0%	15	0	13	0	13.3%	0.0%	15	0	
F03	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F03	17.2	9	8.2	47.7%	17.2	9	8.2	47.7%	89.6	42.7	7.2	52.3%	9	0	7	0	22.2%	0.0%	9	0	7	0	22.2%	0.0%	9	0	7	0	22.2%	0.0%	9	0	
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04 / HZ (2)	91.6	78.4	13.2	14.4%	91.6	78.4	13.2	14.4%	100	100	0.0	0.0%	84	25	80	25	4.8%	0.0%	84	25	80	25	4.8%	0.0%	84	25	80	25	4.8%	0.0%	84	25	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F04	22	11.9	10.1	45.9%	22	11.9	10.1	45.9%	85.7	46.4	6.0	45.8%	14	0	10	0	28.6%	0.0%	14	0	10	0	28.6%	0.0%	14	0	10	0	28.6%	0.0%	14	0	
	R3	RESIDENTIAL	UNKNOWN-RESI		W3/F04	28	18.1	9.9	35.4%	28	18.1	9.9	35.4%	90.2	84.5	0.4	6.3%	32	1	28	1	12.5%	0.0%	32	1	28	1	12.5%	0.0%	32	1	28	1	12.5%	0.0%	32	1	
64 WESTON STREET																																						
F00	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F00	8.2	6.4	1.8	22.0%	8.2	6.4	1.8	22.0%	43.1	35.3	0.8	18.0%	1	0	1	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%	1	0	1	0	0.0%	0.0%	1	0	
F01	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F01	12	9.2	2.8	23.3%	12	9.2	2.8	23.3%	57.6	47.7	1.0	17.2%	9	0	9	0	0.0%	0.0%	9	0	9	0	0.0%	0.0%	9	0	9	0	0.0%	0.0%	9	0	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F01	8.6	8.4	0.2	2.3%	8.6	8.4	0.2	2.3%	28.1	26.8	0.2	4.7%	15	0	15	0	0.0%	0.0%	15	0	15	0	0.0%	0.0%	15	0	15	0	0.0%	0.0%	15	0	
F02	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F02	17.7	14.1	3.6	20.3%	17.7	14.1	3.6	20.3%	74.3	59.8	1.4	19.6%	28	6	26	6	7.1%	0.0%	28	6	26	6	7.1%	0.0%	28	6	26	6	7.1%	0.0%	28	6	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F02	12	11.5	0.5	4.2%	12	11.5	0.5	4.2%	39.4	36.5	0.5	7.3%	30	6	30	6	0.0%	0.0%	30	6	30	6	0.0%	0.0%	30	6	30	6	0.0%	0.0%	30	6	
F03	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F03	16.3	15.6	0.7	4.3%	16.3	15.6	0.7	4.3%	56	53.3	0.5	4.8%	42	8	42	8	0.0%	0.0%	42	8	42	8	0.0%	0.0%	42	8	42	8	0.0%	0.0%	42	8	
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	25.7	21.7	4	15.6%	25.7	21.7	4	15.6%	68.6	48.7	2.7	28.9%	44	10	41	10	6.8%	0.0%	44	10	41	10	6.8%	0.0%	44	10	41	10	6.8%	0.0%	44	10	
	R2	RESIDENTIAL	UNKNOWN-RESI		W2/F04	20.8	20.3	0.5	2.4%	20.8	20.3	0.5	2.4%	83.6	83.5	0.0	0.1%	42	10	41	10	2.4%	0.0%	42	10	41	10	2.4%	0.0%	42	10	41	10	2.4%	0.0%	42	10	

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS %	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
																			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
66 WESTON STREET																														
F04	R1	RESIDENTIAL	UNKNOWN-RESI		W1/F04	28.8	21.3	7.5	26.0%	28.8	21.3	7.5	26.0%	97.1	80.9	2.1	16.7%	44	10	41	10	6.8%	0.0%	44	10	41	10	6.8%	0.0%	
2-4 MELIOR PLACE																														
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	15.8	0.7	15.1	95.6%	15.8	0.7	15.1	95.6%	77.9	35.4	7.0	54.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	BEDROOM		W2/F01	24.6	1.9	22.7	92.3%	24.6	1.9	22.7	92.3%	97.7	8.4	9.0	91.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	BEDROOM		W3/F01	23.7	3.6	20.1	84.8%	24.9	7.5	17.4	69.9%	100	80.3	1.9	19.7%	18	4	10	2	44.4%	50.0%	42	12	29	10	31.0%	16.7%	
			BEDROOM		W4/F01	23.9	5.7	18.2	76.2%									25	6	17	4	35.0%	33.3%							
			BEDROOM		W5/F01	25	8.7	16.3	65.2%									33	8	23	6	30.3%	25.0%							
			BEDROOM		W6/F01	27.1	12.2	14.9	55.0%									41	11	29	10	29.3%	9.1%							
	R4 (3)	RESIDENTIAL	LIVING ROOM		W7/F01	31.6	17.5	14.1	44.6%	31.9	17.8	14.1	44.2%	98.2	77.7	8.4	20.9%	56	16	44	15	21.4%	6.3%	58	17	46	16	20.7%	5.9%	
			LIVING ROOM		W8/F01	32.2	18.1	14.1	43.8%									55	15	43	15	21.8%	0.0%							
	R5	RESIDENTIAL	LIVING ROOM		W9/F01	32	18.8	13.2	41.2%	22.9	17.8	5.1	22.3%	99.5	99.2	0.1	0.3%	55	14	43	14	21.8%	0.0%	78	20	68	20	12.8%	0.0%	
			LIVING ROOM		W10/F01	31.4	24.3	7.1	22.6%									61	16	51	16	16.4%	0.0%							
			LIVING ROOM		W11/F01	30.2	26.4	3.8	12.6%									70	18	60	18	14.3%	0.0%							
			LIVING ROOM		W12/F01	28	26.7	1.3	4.6%									71	16	62	16	12.7%	0.0%							
			LIVING ROOM		W13/F01	22	21.8	0.2	0.9%									56	9	52	9	7.1%	0.0%							
			LIVING ROOM		W14/F01	0.4	0.4	0	0.0%									1	0	1	0	0.0%	0.0%							
F02	R1	RESIDENTIAL	BEDROOM		W1/F02	22.2	1.1	21.1	95.0%	22.2	1.1	21.1	95.0%	77.9	55.4	3.7	28.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	BEDROOM		W2/F02	31.1	2.4	28.7	92.3%	31.1	2.4	28.7	92.3%	97.1	6.7	9.1	93.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	BEDROOM		W3/F02	31.8	4.3	27.5	86.5%	32.8	8.7	24.1	73.5%	100	91.5	0.8	8.5%	27	4	11	2	59.3%	50.0%	48	14	34	12	29.2%	14.3%	
			BEDROOM		W4/F02	32.4	6.7	25.7	79.3%									34	6	8	1	47.1%	33.3%							
			BEDROOM		W5/F02	33.2	10.1	23.1	69.6%									41	10	26	8	36.6%	20.0%							
			BEDROOM		W6/F02	34	13.8	20.2	59.4%									47	14	33	12	29.8%	14.3%							
	R4 (3)	RESIDENTIAL	LIVING ROOM		W7/F02	35.1	19.6	15.5	44.2%	35.1	20	15.1	43.0%	98.9	93.5	2.2	5.5%	58	19	44	17	24.1%	10.5%	60	19	46	17	23.3%	10.5%	
			LIVING ROOM		W8/F02	35.1	20.4	14.7	41.9%									59	18	46	17	22.0%	5.6%							
	R5	RESIDENTIAL	LIVING ROOM		W9/F02	35.3	21.5	13.8	39.1%	34.9	27.8	7.1	20.3%	100	100	0.0	0.0%	58	17	46	17	20.7%	0.0%	88	25	79	25	10.2%	0.0%	
			LIVING ROOM		W10/F02	35.3	27.6	7.7	21.8%									68	21	58	21	14.7%	0.0%							
			LIVING ROOM		W11/F02	35	30.8	4.2	12.0%									78	24	68	24	12.8%	0.0%							
			LIVING ROOM		W12/F02	34.5	33	1.5	4.3%									82	23	73	23	11.0%	0.0%							
			LIVING ROOM		W13/F02	33.6	33.3	0.3	0.9%									79	22	75	22	5.1%	0.0%							
F03	R1	RESIDENTIAL	BEDROOM		W1/F03	24.6	1.4	23.2	94.3%	24.6	1.4	23.2	94.3%	81.3	62.6	2.7	22.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)												
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %								
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER							
2-4 MELIOR PLACE (CONTINUED)																																				
	R2	RESIDENTIAL	BEDROOM		W2/F03	33.6	2.5	31.1	92.6%	33.6	2.5	31.1	92.6%	96.7	10.7	9.6	88.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R3	RESIDENTIAL	BEDROOM		W3/F03	35.4	4.7	30.7	86.7%	36.2	9.6	26.6	73.5%	100	90.2	0.9	9.8%	38	5	11	3	60.7%	40.0%	49	15	34	13	30.6%	13.3%							
			BEDROOM		W4/F03	36	7.4	28.6	79.4%									35	7	18	5	48.6%	28.6%													
			BEDROOM		W5/F03	36.5	11.2	25.3	69.3%										43	11	27	9	37.2%	18.2%												
			BEDROOM		W6/F03	37.1	15.3	21.8	58.8%										49	15	34	13	30.6%	13.3%												
	R4	RESIDENTIAL	LIVING ROOM		W7/F03	37.5	21.3	16.2	43.2%	37.5	28.7	8.8	23.5%	100	99.9	0.1	0.1%	60	20	45	18	25.0%	10.0%	93	29	83	29	10.8%	0.0%							
			LIVING ROOM		W8/F03	37.7	22.6	15.1	40.1%										61	20	47	18	23.0%	10.0%												
			LIVING ROOM		W9/F03	37.5	23.6	13.9	37.1%										60	19	48	19	20.0%	0.0%												
			LIVING ROOM		W10/F03	37.7	24	13.7	36.3%										61	20	49	20	19.7%	0.0%												
			LIVING ROOM		W11/F03	38	30.3	7.7	20.3%										73	25	61	25	16.4%	0.0%												
			LIVING ROOM		W12/F03	38.1	34.4	3.7	9.7%										82	28	72	28	12.2%	0.0%												
			LIVING ROOM		W13/F03	38.2	36.2	2	5.2%										88	29	78	29	11.4%	0.0%												
			LIVING ROOM		W14/F03	37.9	37.7	0.2	0.5%										86	29	83	29	3.5%	0.0%												
			LIVING ROOM		W15/F03	36.5	36.5	0	0.0%										78	27	78	27	0.0%	0.0%												
F04	R1	RESIDENTIAL	BEDROOM		W1/F04	35.7	4.4	31.3	87.7%	35.7	4.4	31.3	87.7%	81.2	62.8	2.7	22.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	BEDROOM		W2/F04	35.8	3.1	32.7	91.3%	35.8	3.1	32.7	91.3%	93.8	0.2	10.4	99.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R3	RESIDENTIAL	BEDROOM		W3/F04	37.2	5.1	32.1	86.3%	37.9	10.2	27.7	73.1%	100	90.5	0.9	9.5%	38	5	11	3	60.7%	40.0%	50	15	34	13	32.0%	13.3%							
			BEDROOM		W4/F04	37.7	7.9	29.8	79.0%										35	7	18	5	48.6%	28.6%												
			BEDROOM		W5/F04	38.1	11.8	26.3	69.0%										44	11	27	9	38.6%	18.2%												
			BEDROOM		W6/F04	38.5	16.2	22.3	57.9%										50	15	34	13	32.0%	13.3%												
	R4	RESIDENTIAL	LIVING ROOM		W7/F04	38.9	22.6	16.3	41.9%	38.9	30.9	8	20.6%	100	99.6	0.2	0.4%	61	20	46	18	24.6%	10.0%	95	30	83	30	12.6%	0.0%							
			LIVING ROOM		W8/F04	39	23.8	15.2	39.0%										61	20	47	18	23.0%	10.0%												
			LIVING ROOM		W9/F04	38.9	24.9	14	36.0%										61	20	49	20	19.7%	0.0%												
			LIVING ROOM		W10/F04	39.2	32.2	7	17.9%										76	26	64	26	15.8%	0.0%												
			LIVING ROOM		W11/F04	39.3	35.8	3.5	8.9%										83	28	72	28	13.3%	0.0%												
			LIVING ROOM		W12/F04	39.2	38.1	1.1	2.8%										88	30	80	30	9.1%	0.0%												
			LIVING ROOM		W13/F04	39	38.9	0.1	0.3%										87	30	83	30	4.6%	0.0%												
			LIVING ROOM		W14/F04	38.3	38.3	0	0.0%										79	29	79	29	0.0%	0.0%												
F05	R1	RESIDENTIAL	BEDROOM		W1/F05	33.1	1.3	31.8	96.1%	33.1	1.3	31.8	96.1%	100	92.7	0.9	7.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	R2	RESIDENTIAL	BEDROOM		W2/F05	33.2	0.9	32.3	97.3%	34.7	10.3	24.4	70.3%	100	100	0.0	0.0%	42	0	0	0	100.0%	0.0%	50	17	35	15	30.0%	11.8%							
			BEDROOM		W3/F05	35.1	2.1	33	94.0%										24	3	7	1	70.8%	66.7%												

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)						
						EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %		
						%	%	%	%	%	%	%	%	%	%	SQM	%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
2-4 MELIOR PLACE (CONTINUED)																														
			BEDROOM		W4/F05	35.8	7	28.8	80.4%																					
			BEDROOM		W5/F05	36.1	13.7	22.4	62.0%																					
			BEDROOM		W6/F05	35.3	19.7	15.6	44.2%																					
	R3	RESIDENTIAL	LKD		W7/F05	35.3	21	14.3	40.5%	35.2	29	6.2	17.6%	100	100	0.0	0.0%	52	19	38	17	26.9%	10.5%	97	30	86	30	11.3%	0.0%	
			LKD		W8/F05	36.7	25.8	10.9	29.7%																					
			LKD		W9/F05	37.1	31.5	5.6	15.1%																					
			LKD		W10/F05	37.1	35.2	1.9	5.1%																					
			LKD		W11/F05	36.6	36.5	0.1	0.3%																					
			LKD		W12/F05	35.1	35.1	0	0.0%																					
			LKD		W13/F05	33.3	33.3	0	0.0%																					

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

# Appendix: Daylight, Sunlight, Overshadowing, Solar Glare and Light Pollution

Annex 1: Legislative and Planning Policy Context

Annex 2: Assessment Methodology

Annex 3: Drawings

Annex 4: Daylight and Sunlight Impact Assessment

Annex 5: Overshadowing Assessment

Annex 6: Solar Glare Assessment

Annex 7: Light Pollution Assessment



# DAYLIGHT & SUNLIGHT OVERSHADOWING ASSESSMENTS

Vinegar Yard

08 December 2020  
GIA No: 10732



PROJECT DATA:

Client **CIT**  
Architect **KPF**  
Project Title **Vinegar Yard**  
Project Number **10732**

REPORT DATA:

Report Title **Overshadowing Assessments**  
GIA Department **Daylight & Sunlight**  
Dated **08 December 2020**

Prepared by **ERLA**  
Checked by **NC**  
Type **EIA Appendix**

Revisions	No:	Date:	Notes:	Signed:
REV	A	08/12/2020	Comments incorporated	ERLA

SOURCES OF INFORMATION:

Information Received **IR-81;84;86;87;88-10732**  
Release Number **Rel\_29\_10732\_DSD**  
Issue Number **08**  
Site Photos **GIA**  
3D models **VERTEX**  
OS Data **FIND Maps**

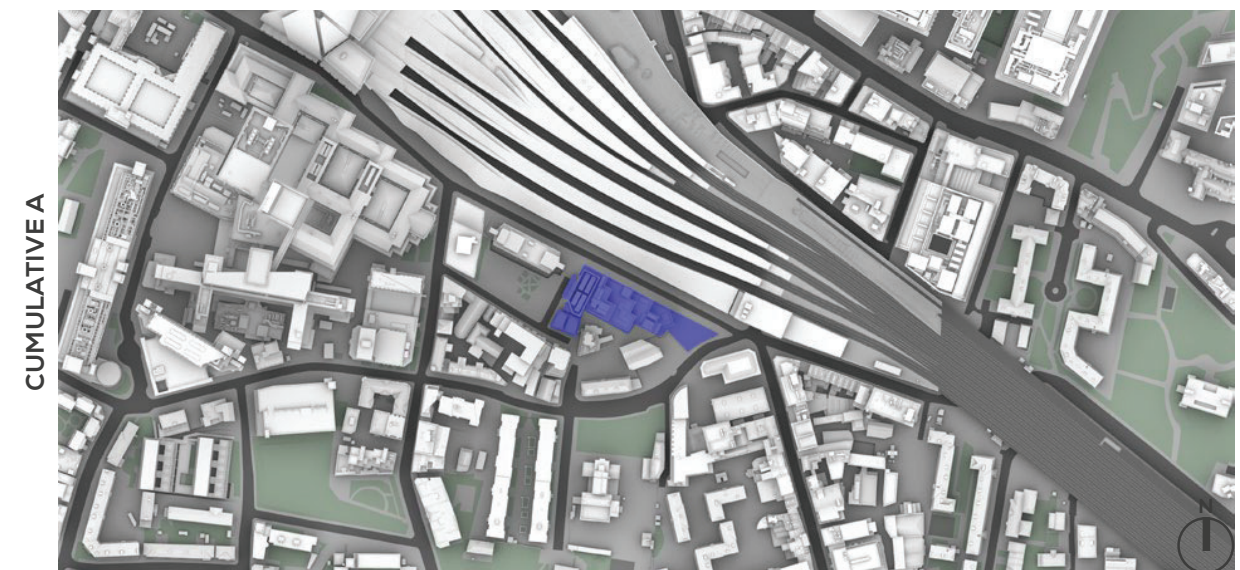
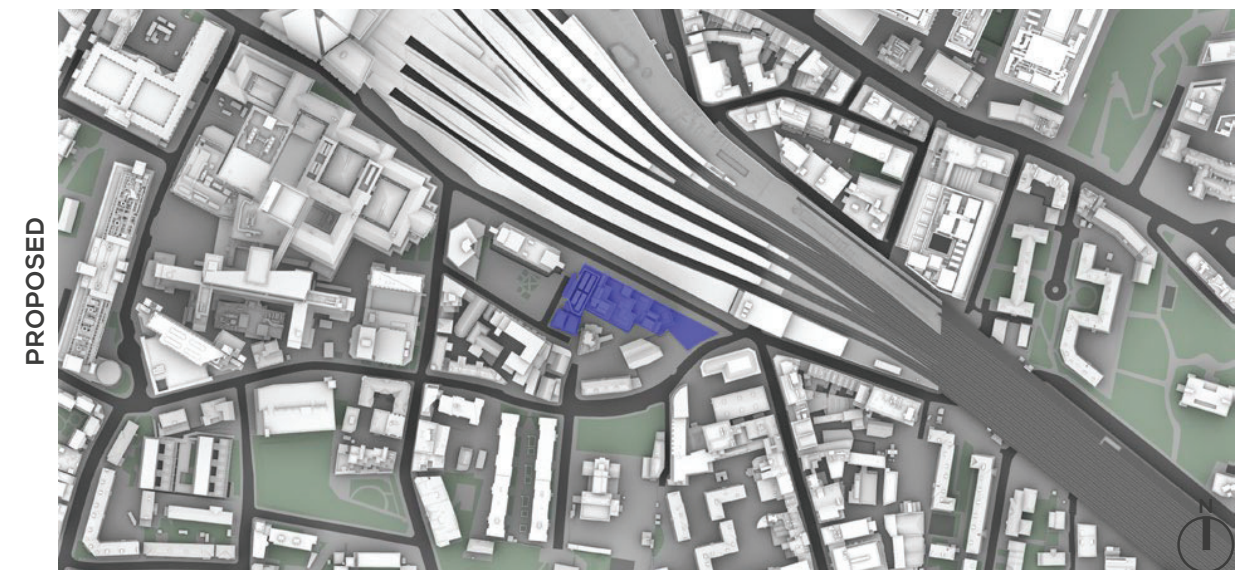
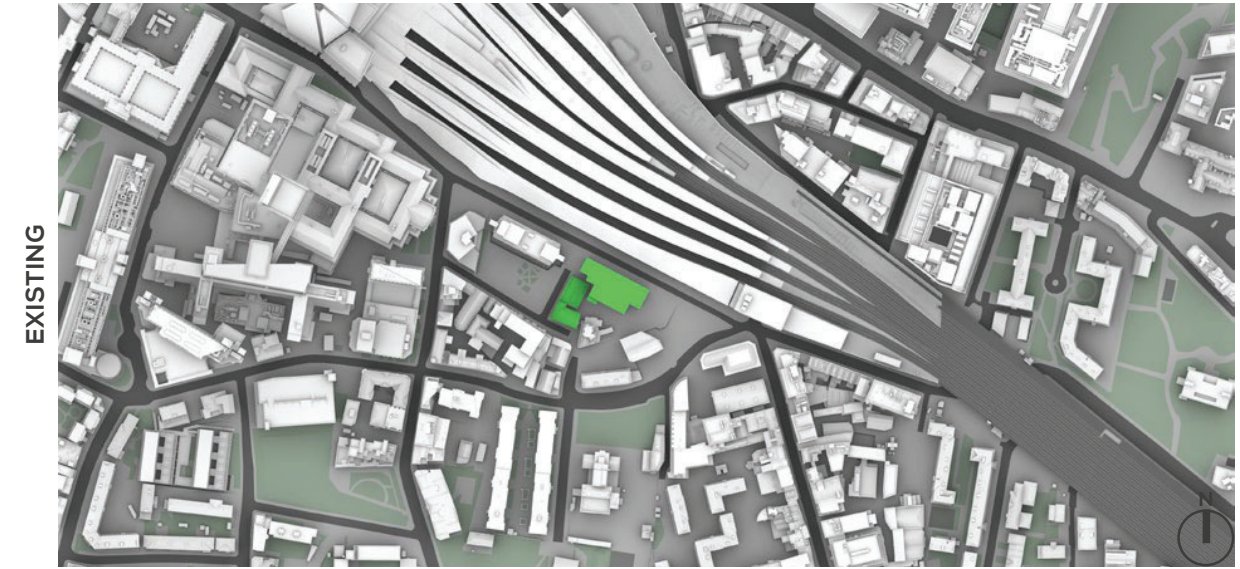


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OS 100047514

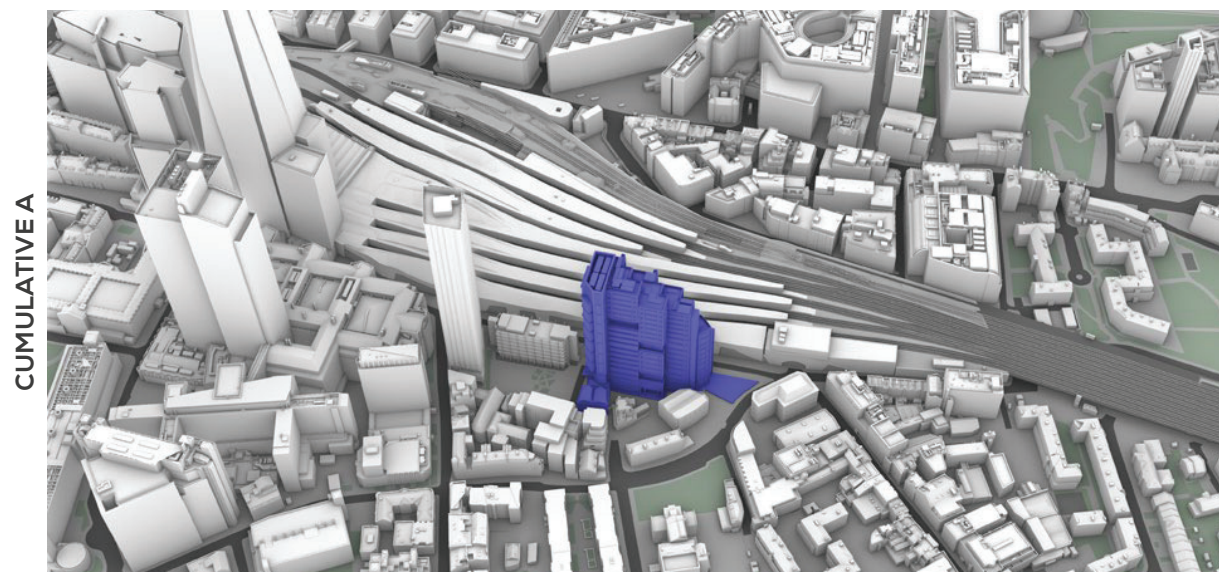
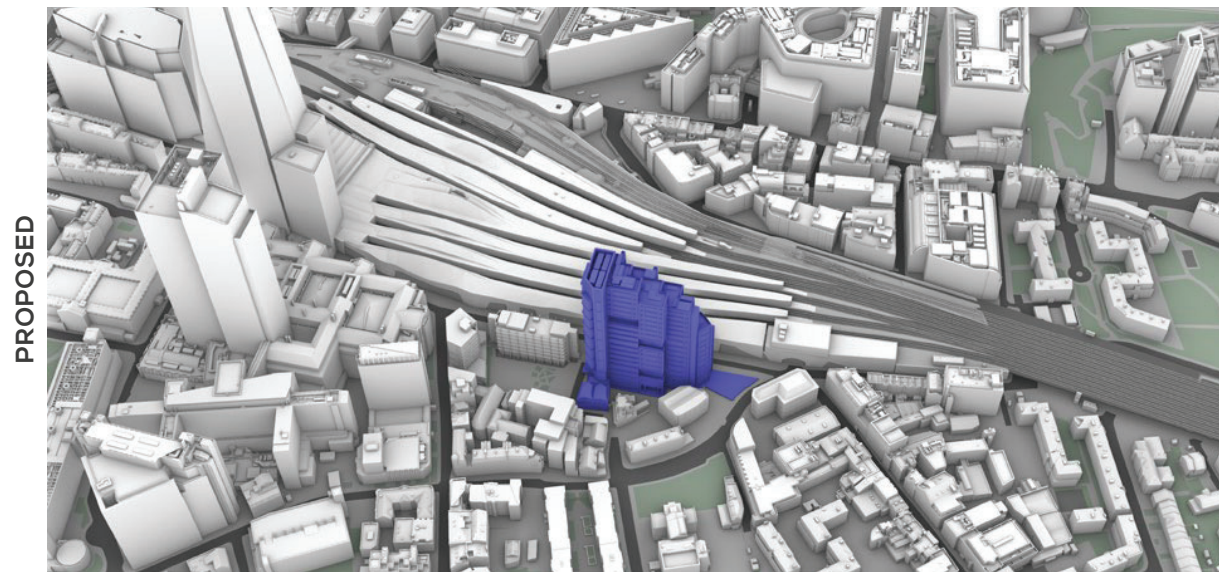
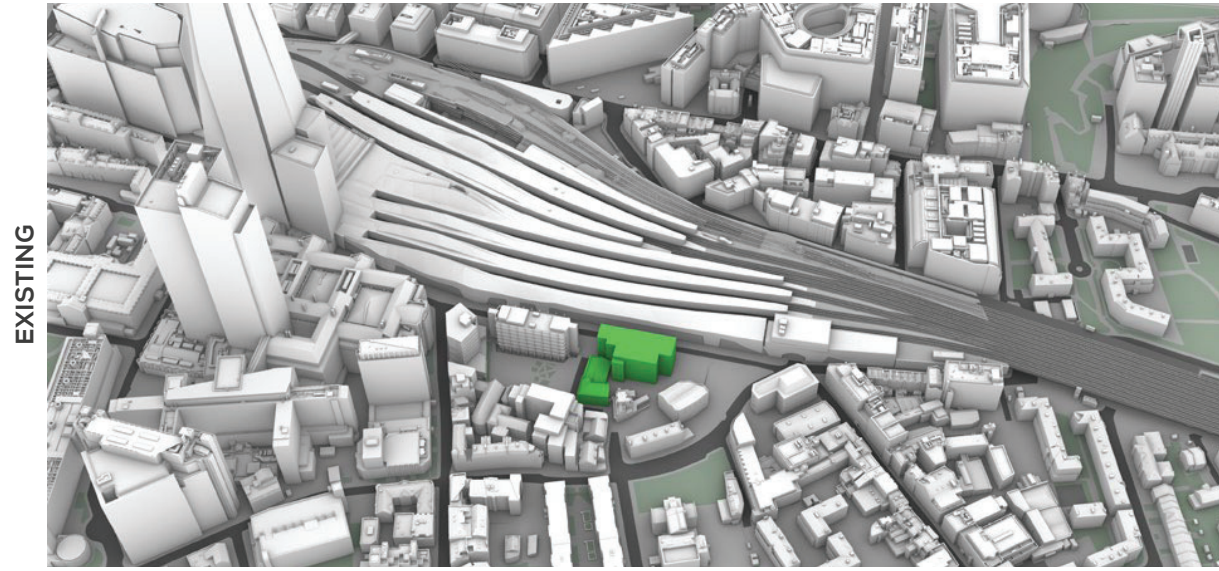
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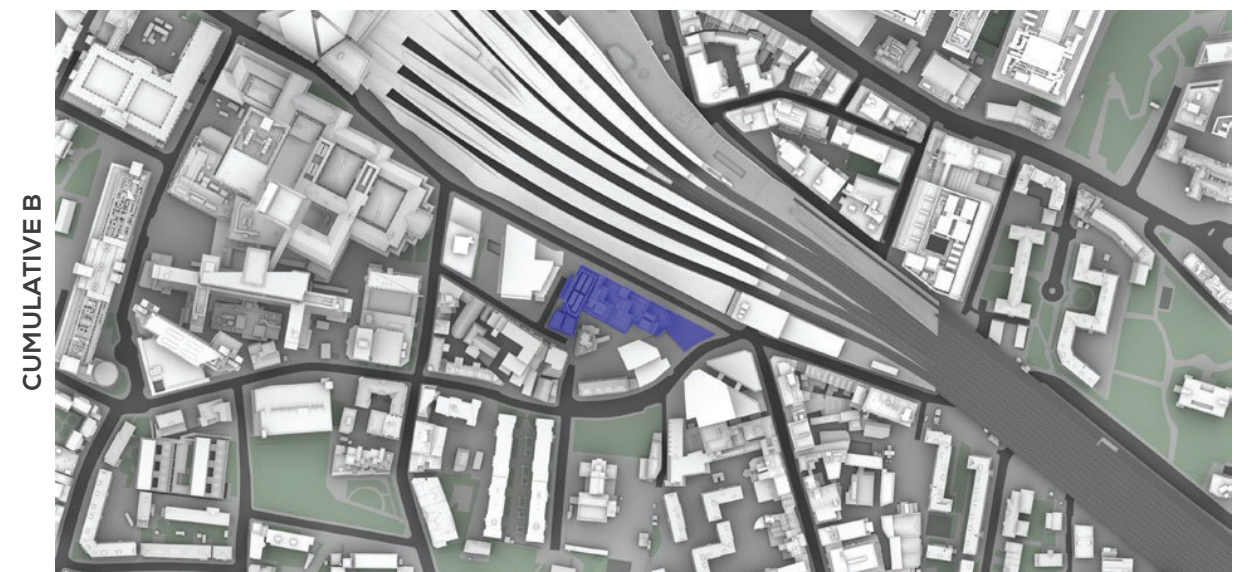
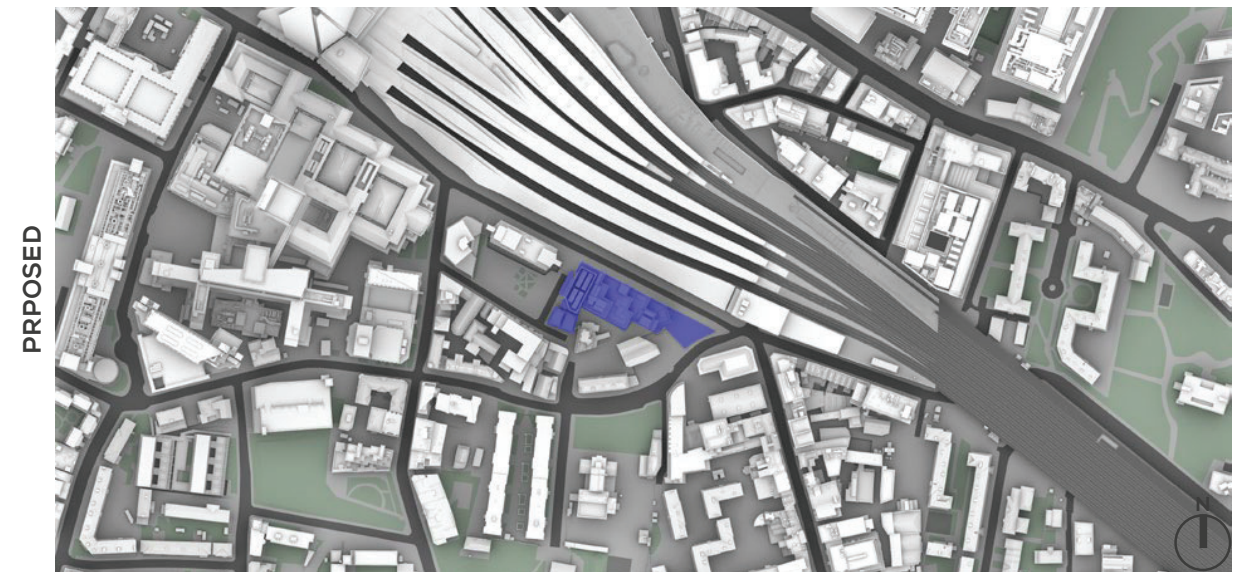
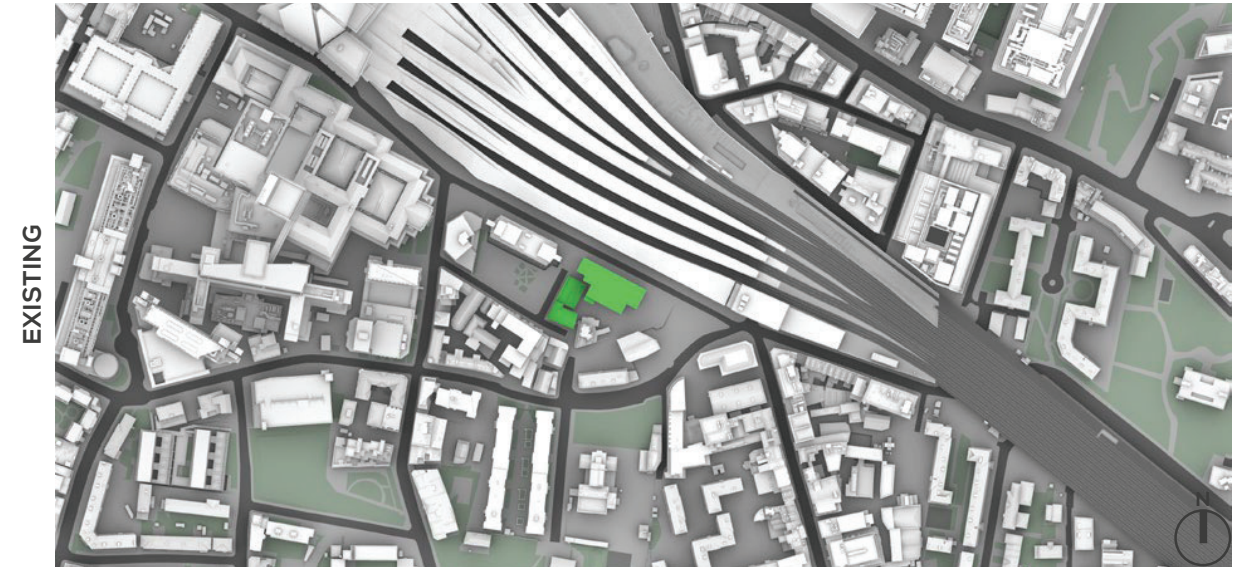
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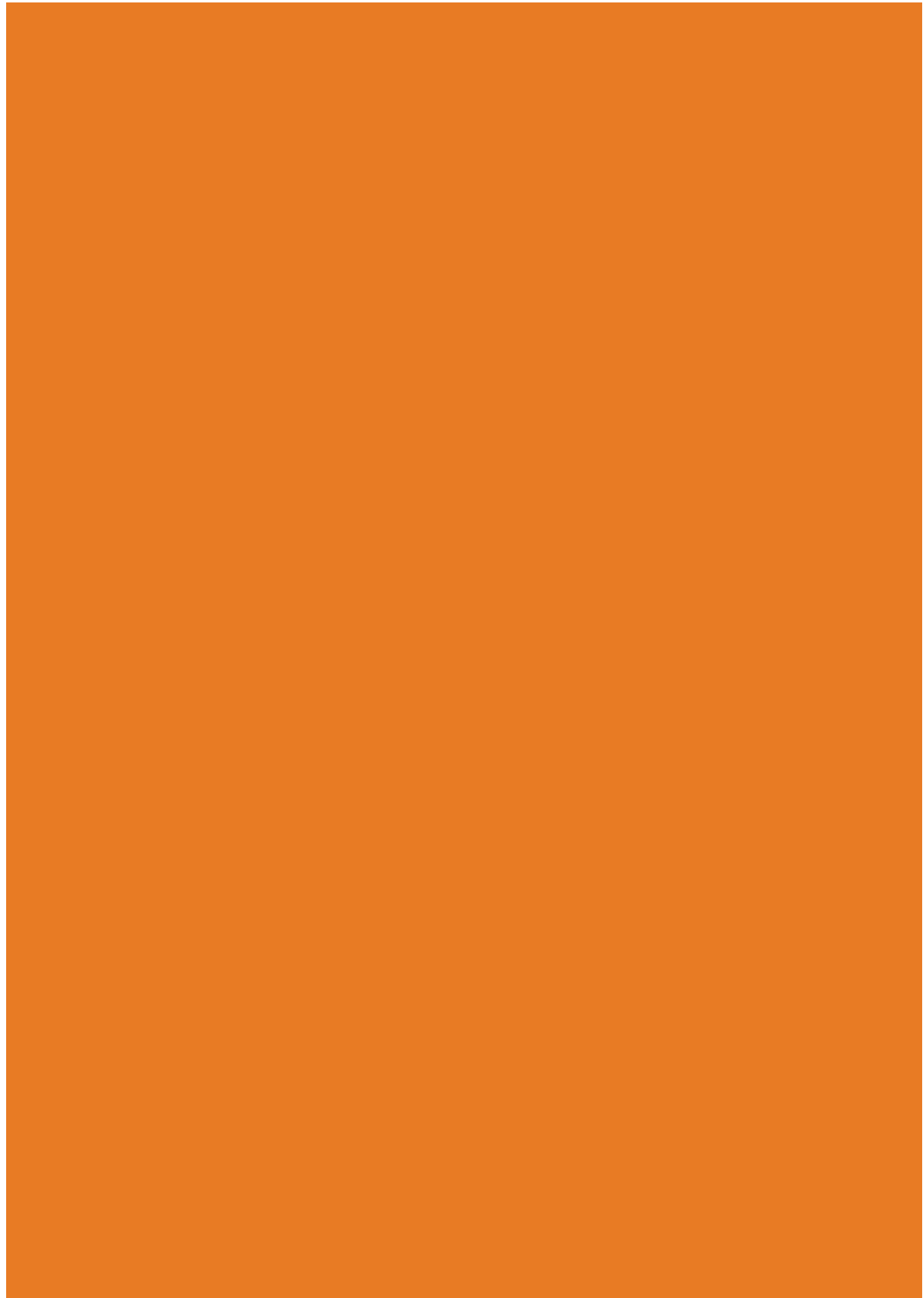
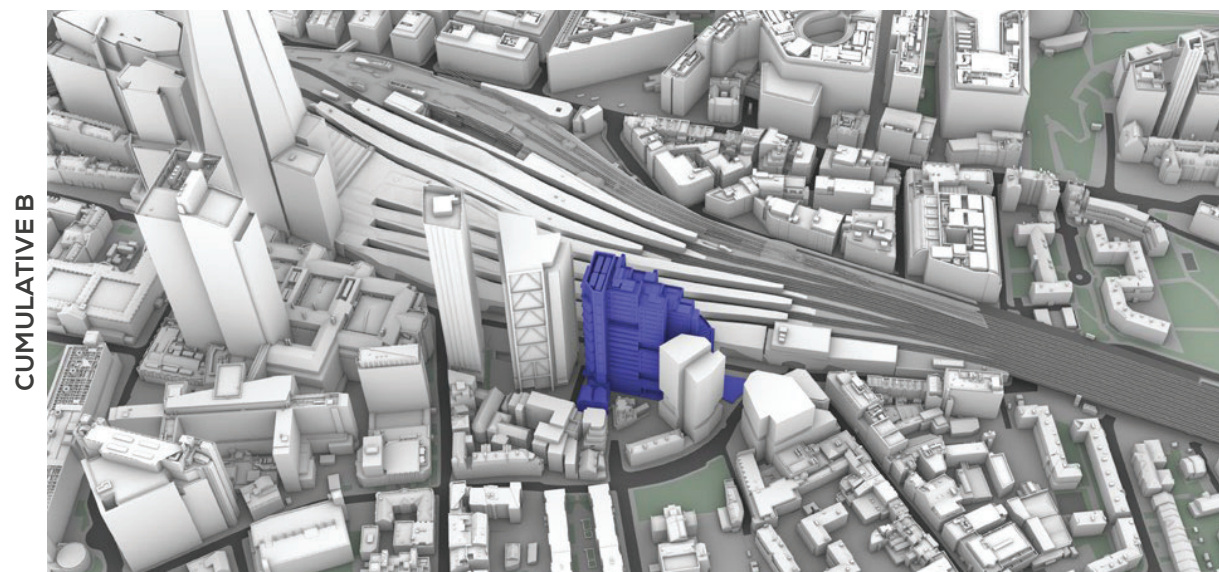
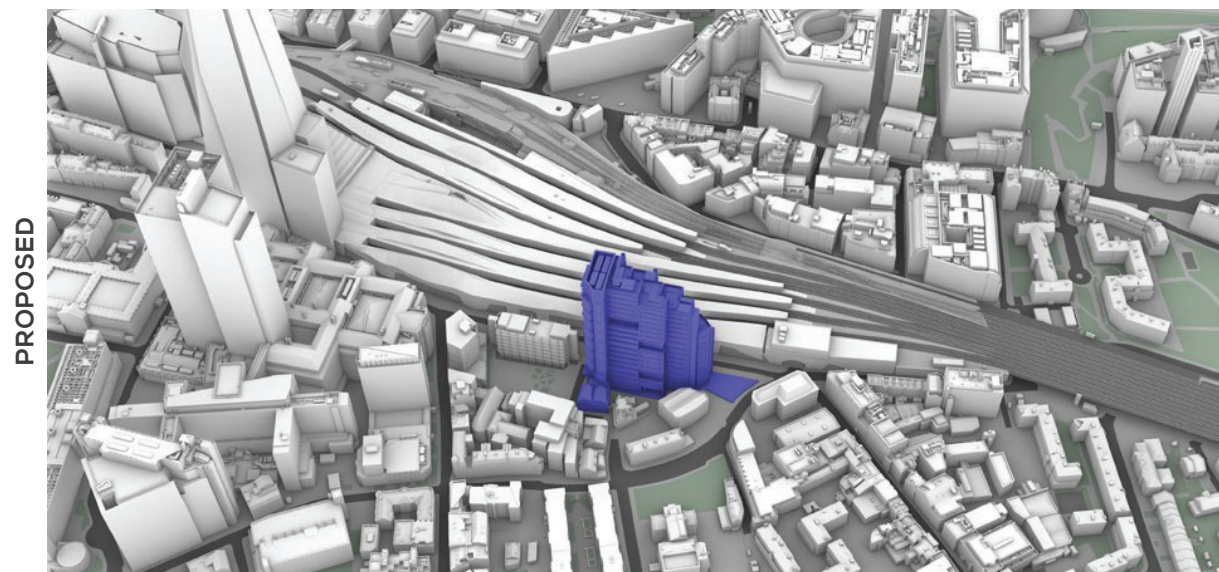
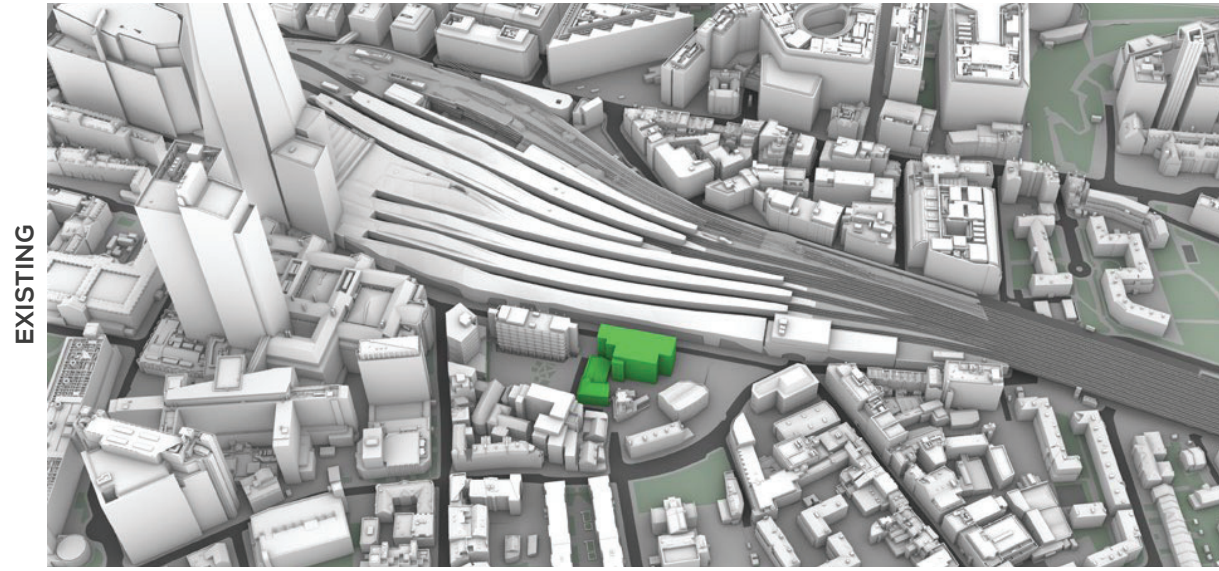
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SCENARIO OVERVIEWS - TOP VIEW



SCENARIO OVERVIEWS - PERSPECTIVE VIEW



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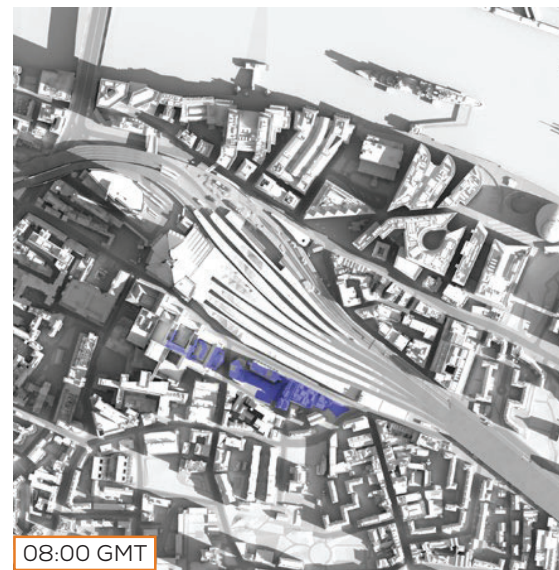
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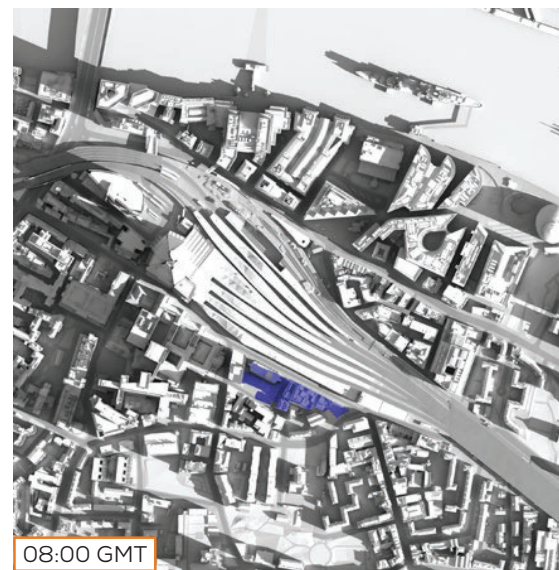
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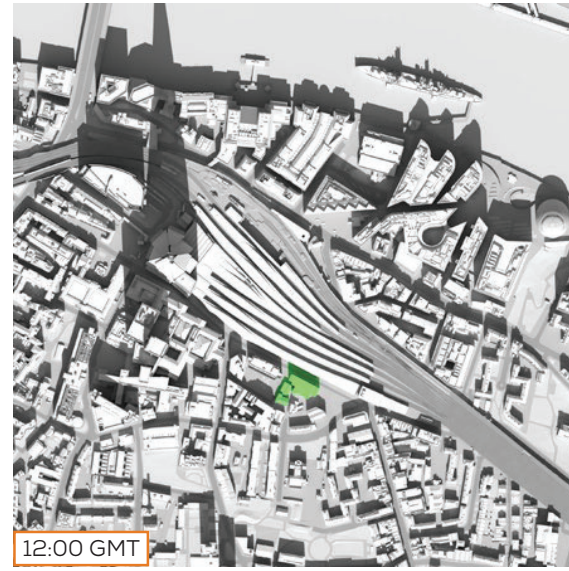


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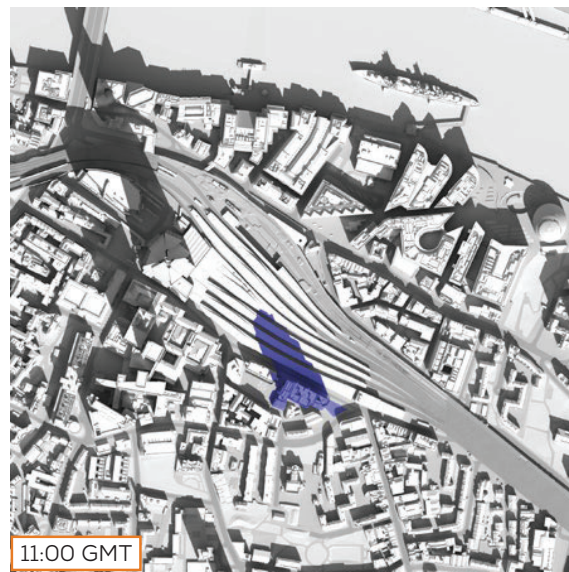
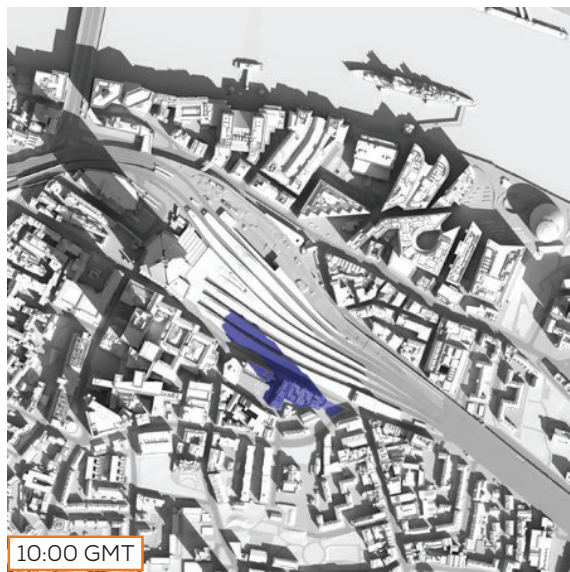
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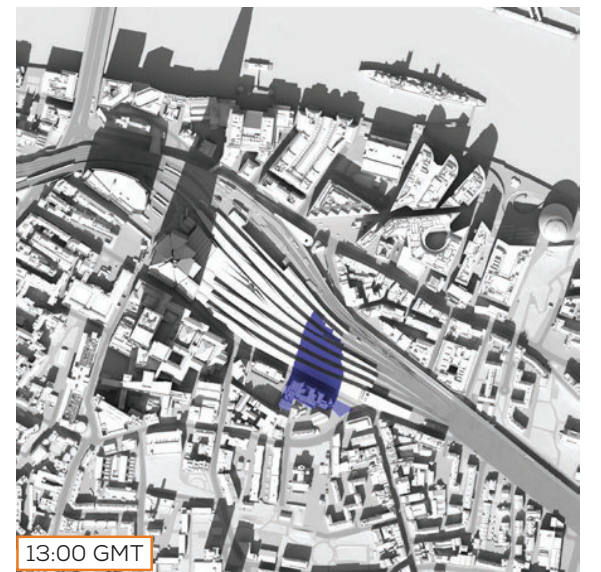
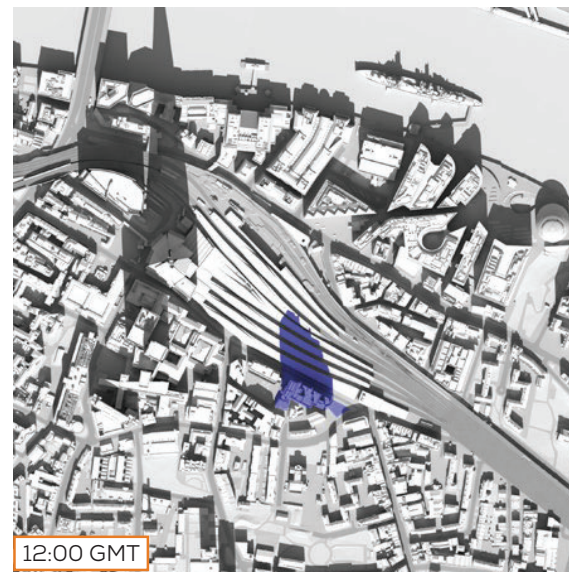
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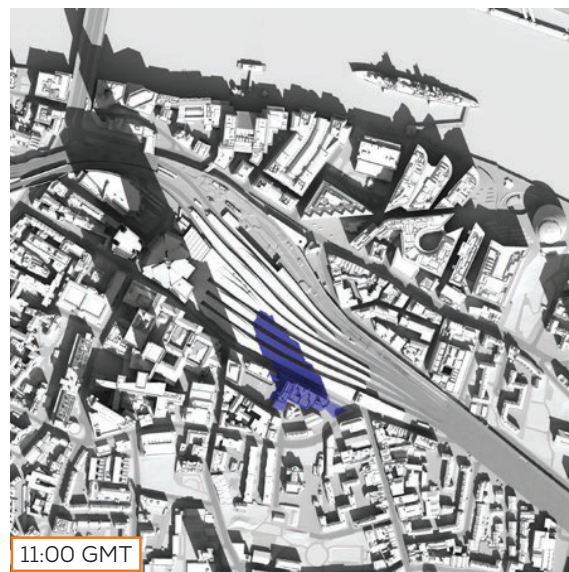
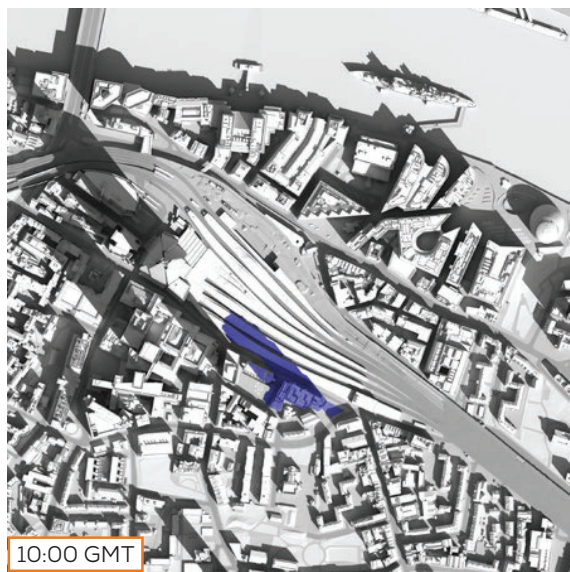
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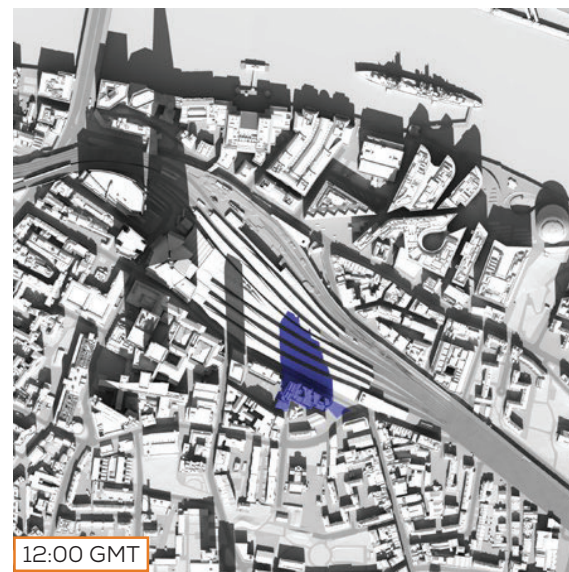
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CUMULATIVE A



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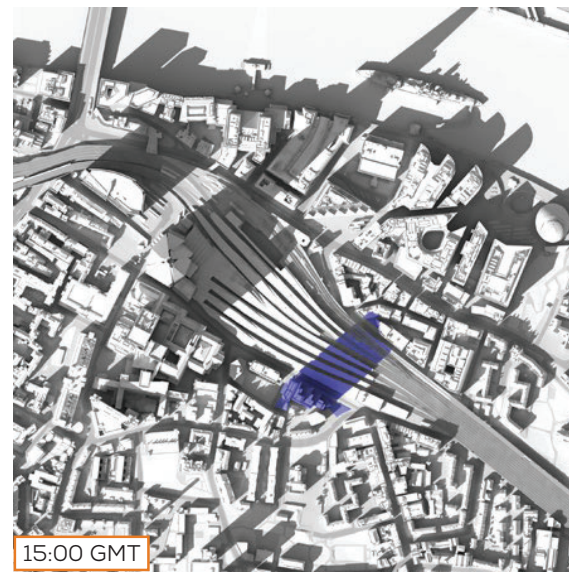
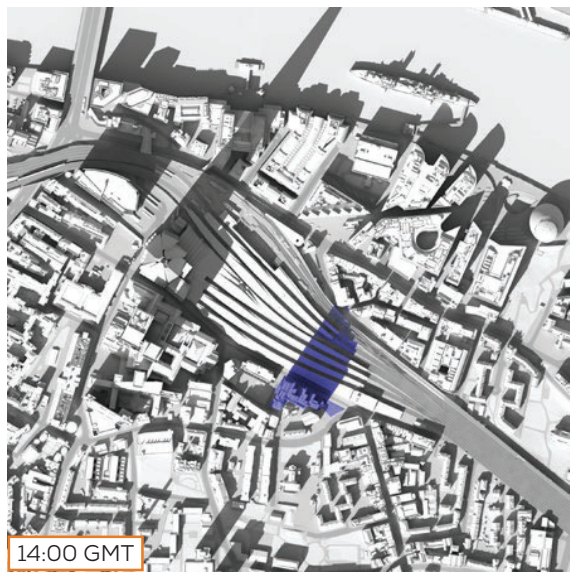
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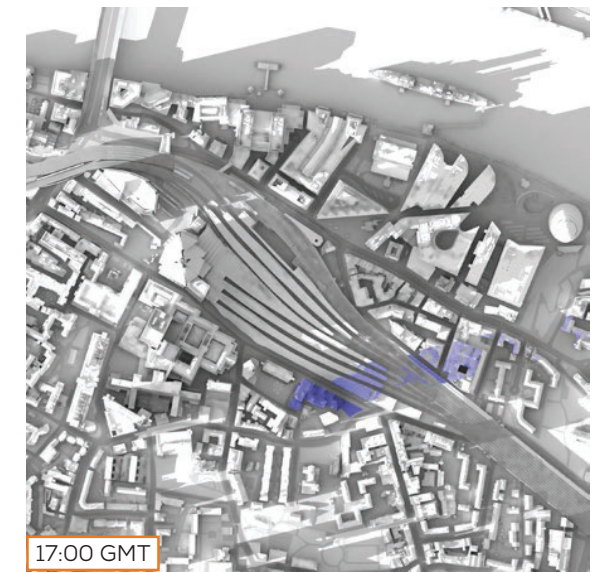
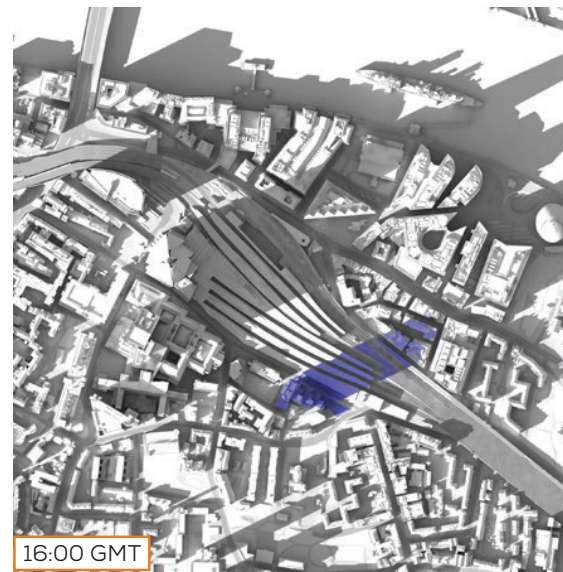
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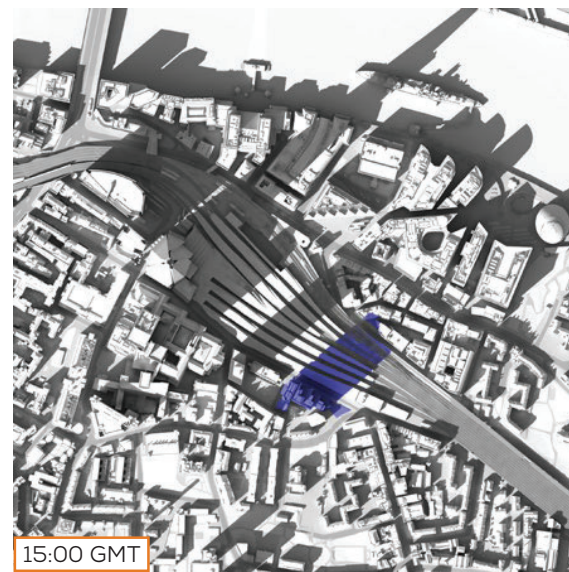
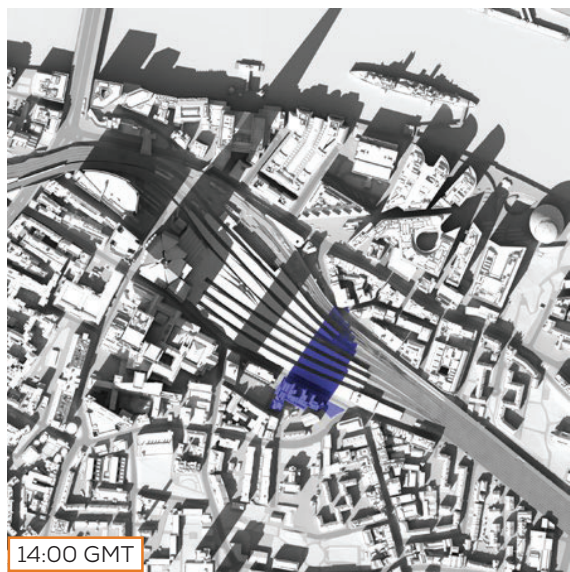
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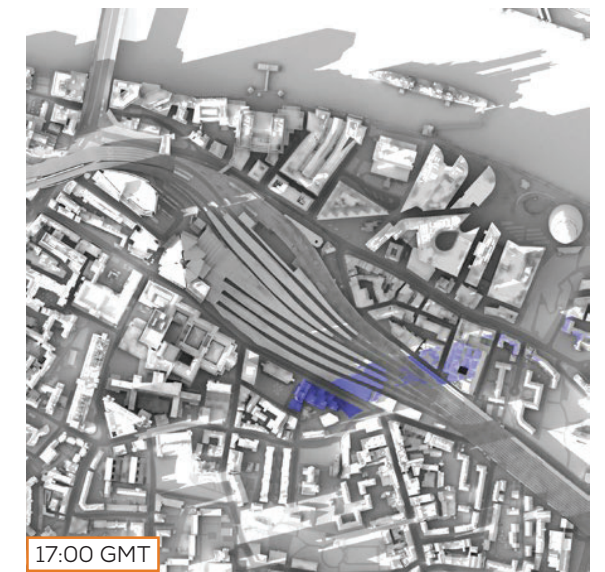
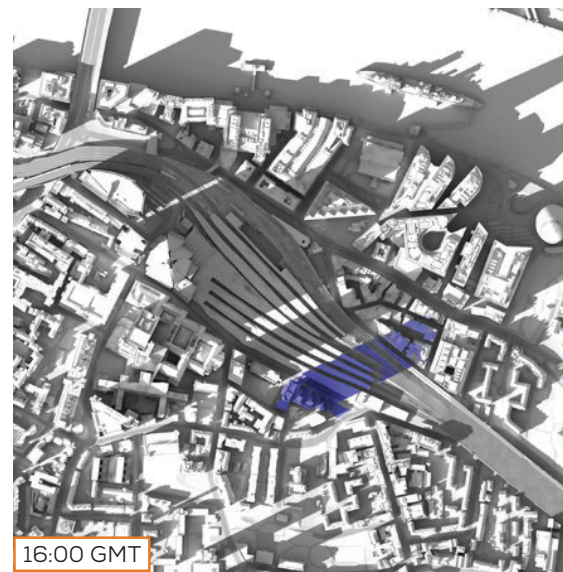
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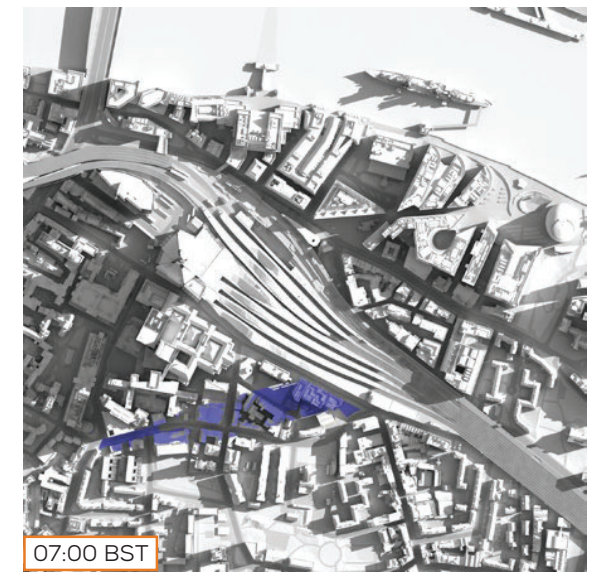
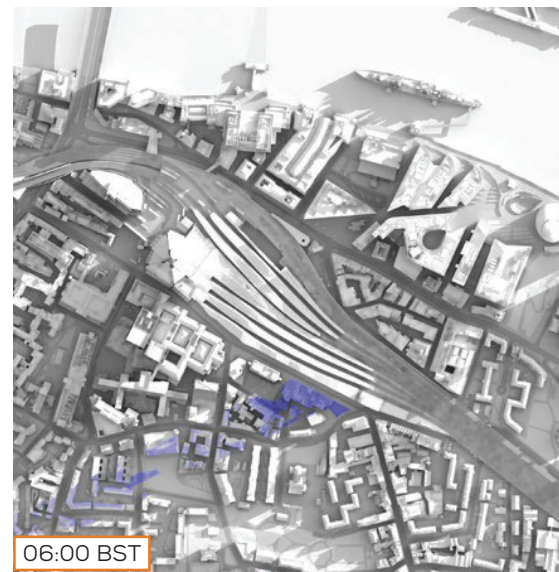


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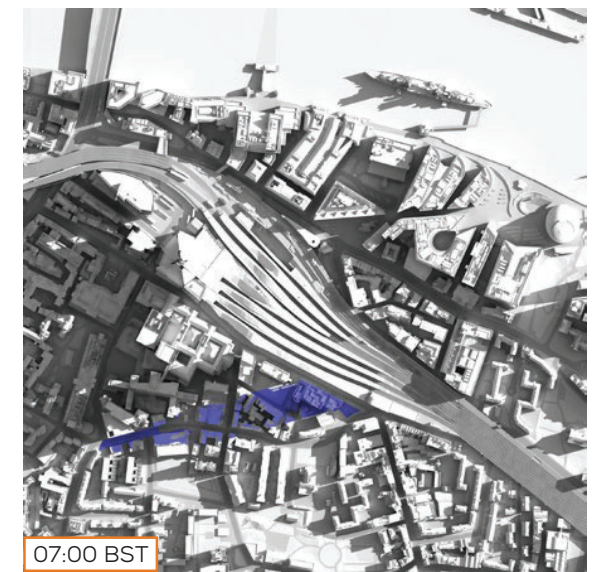
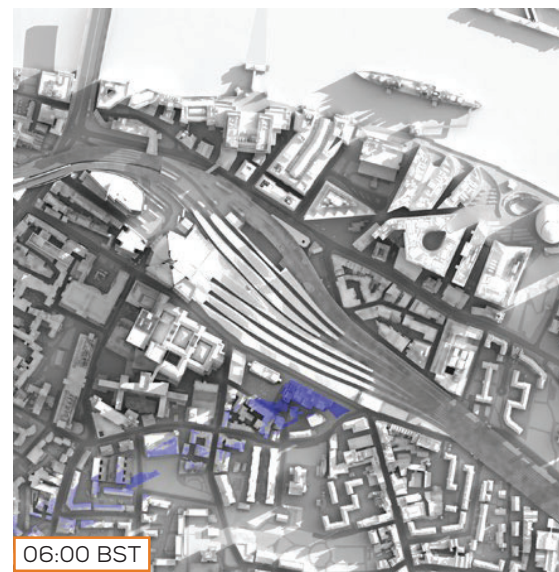
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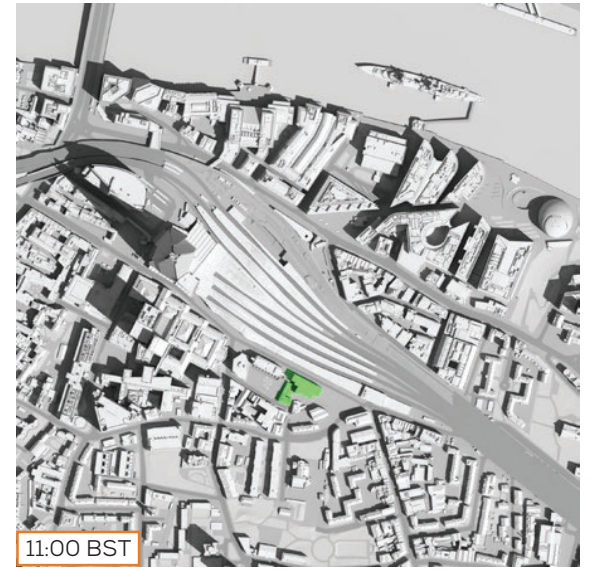


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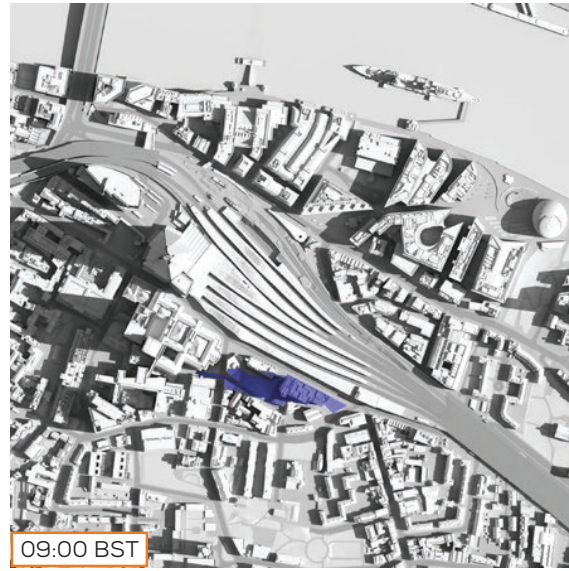
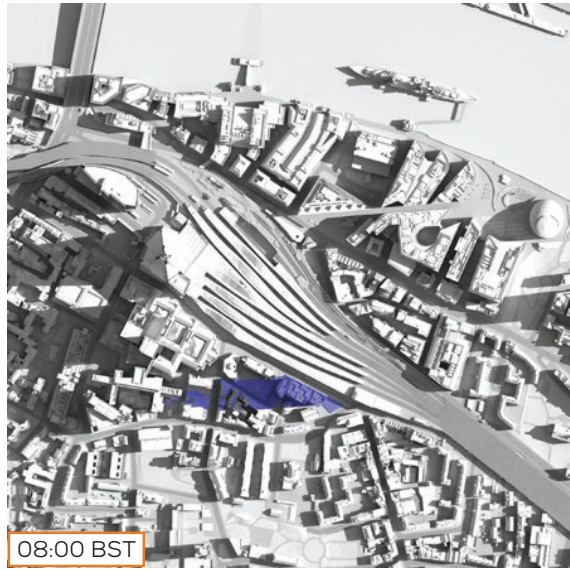
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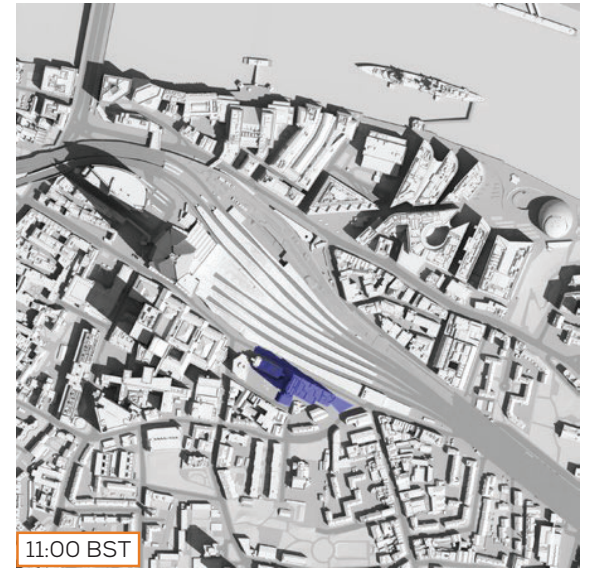
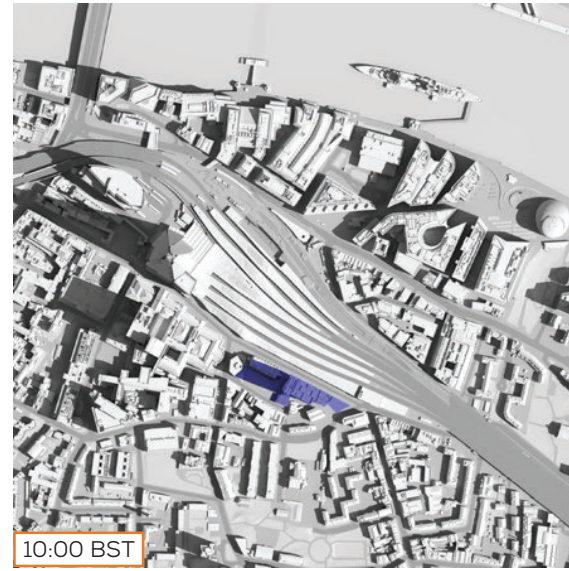
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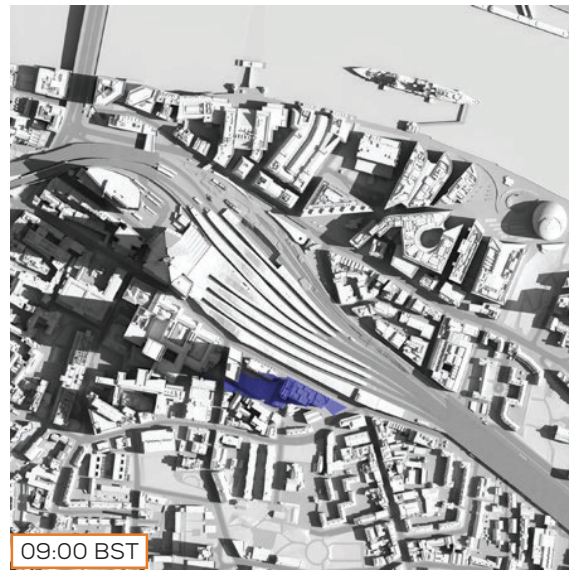
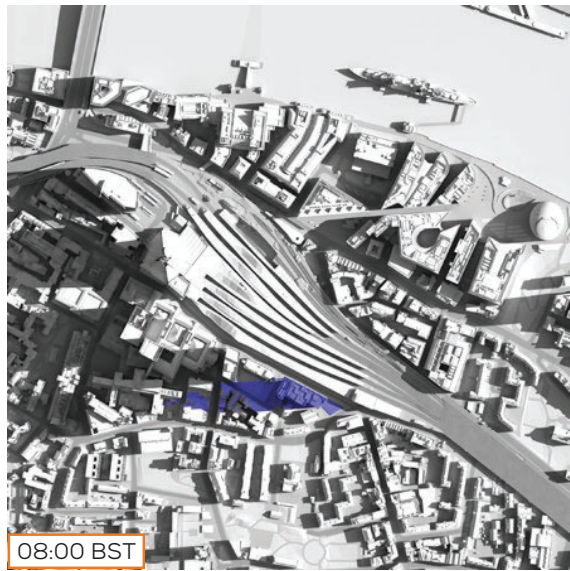
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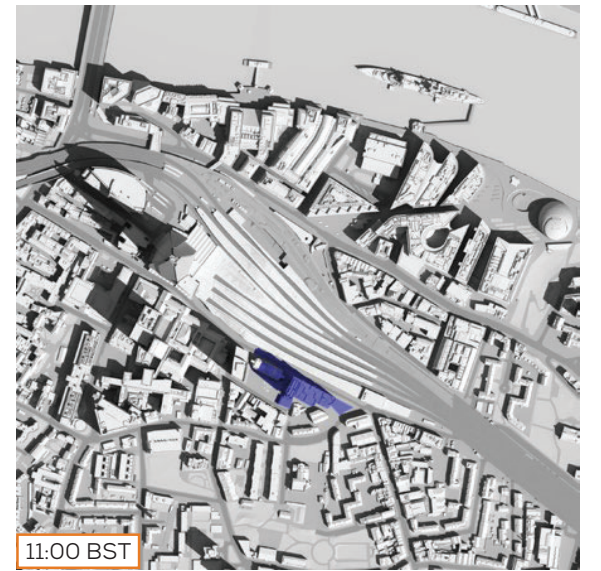
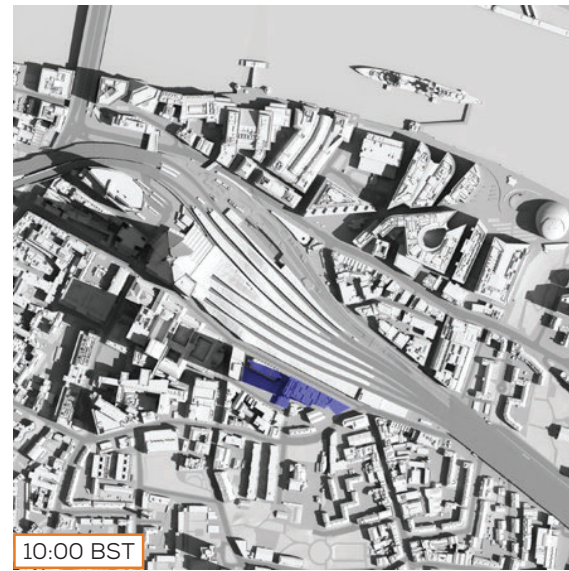
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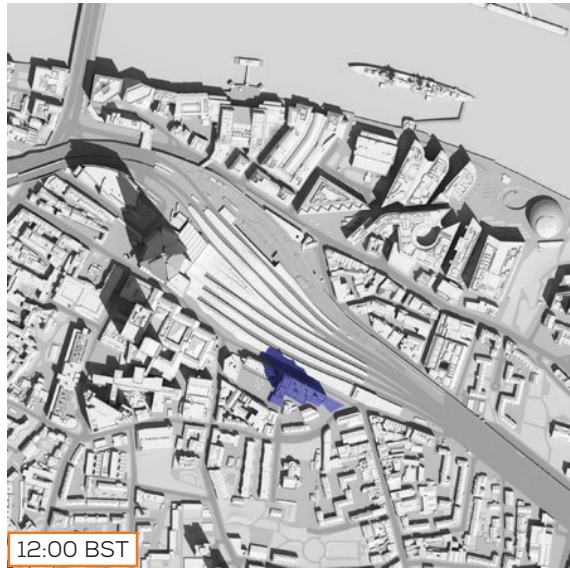
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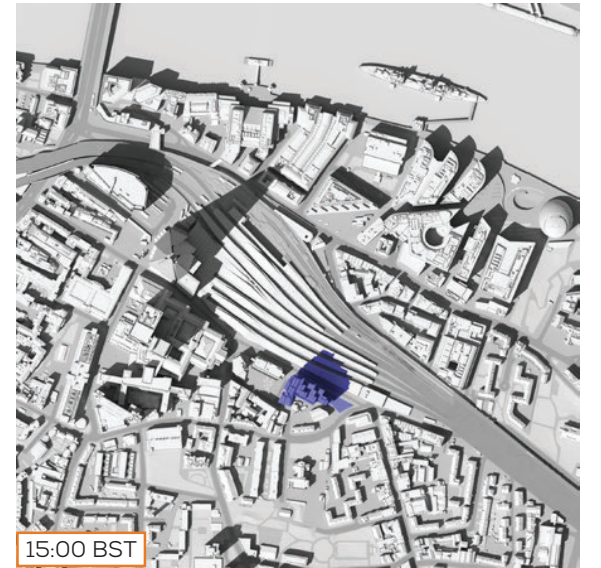
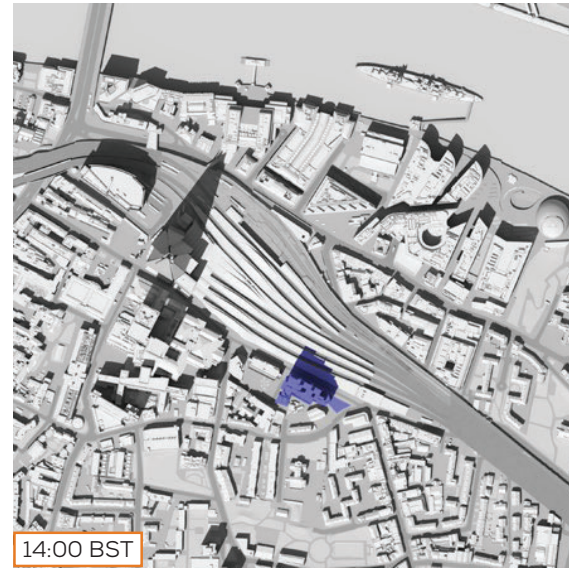
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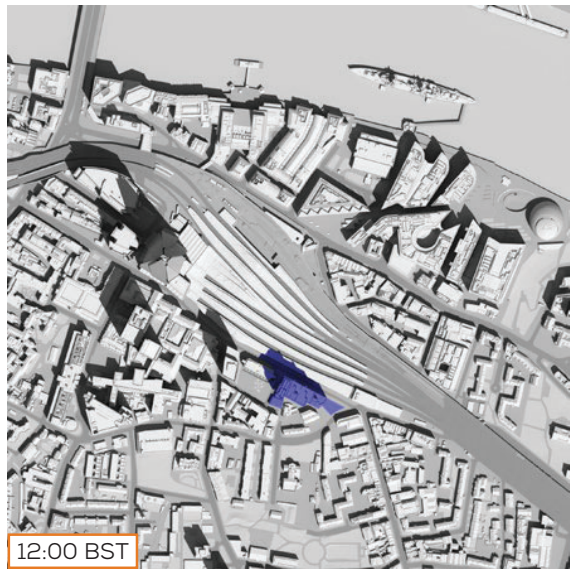
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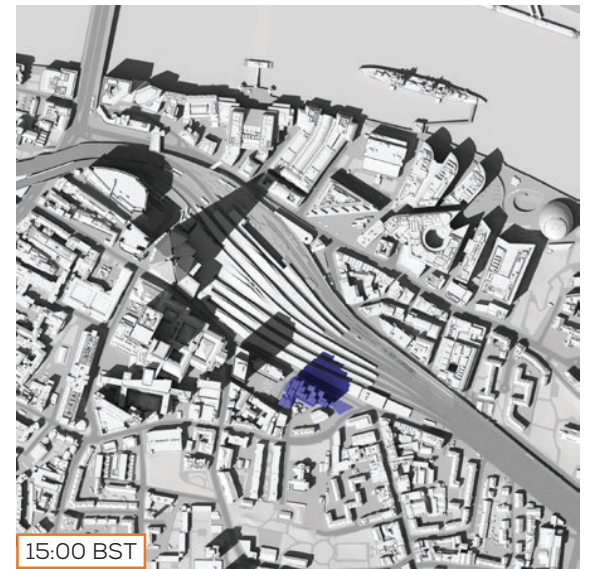
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TRANSIENT OVERSHADOWING ASSESSMENT  
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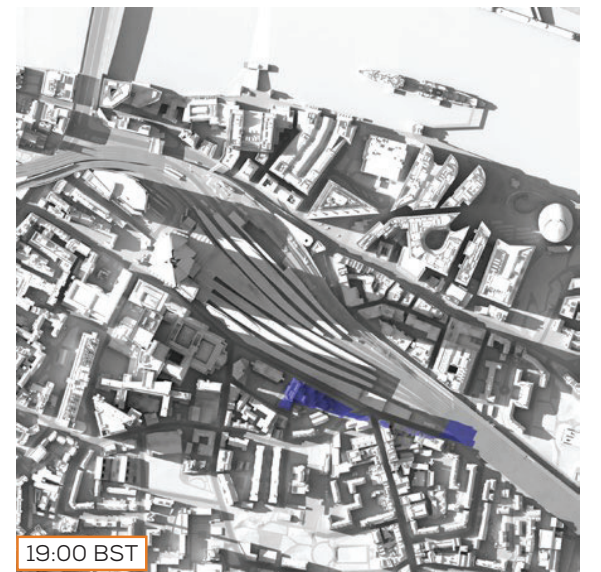
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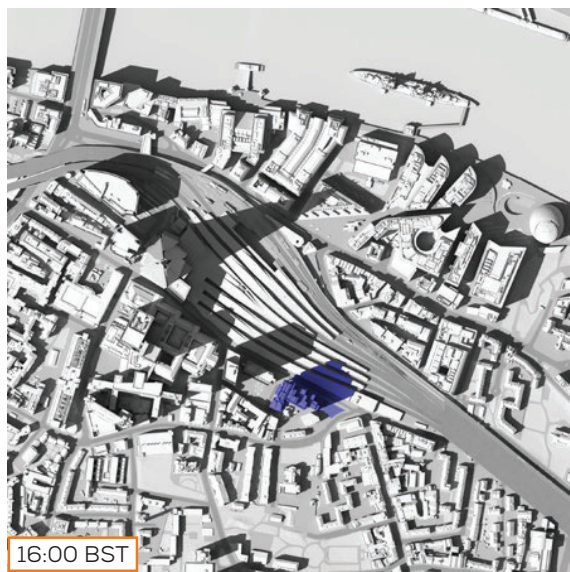
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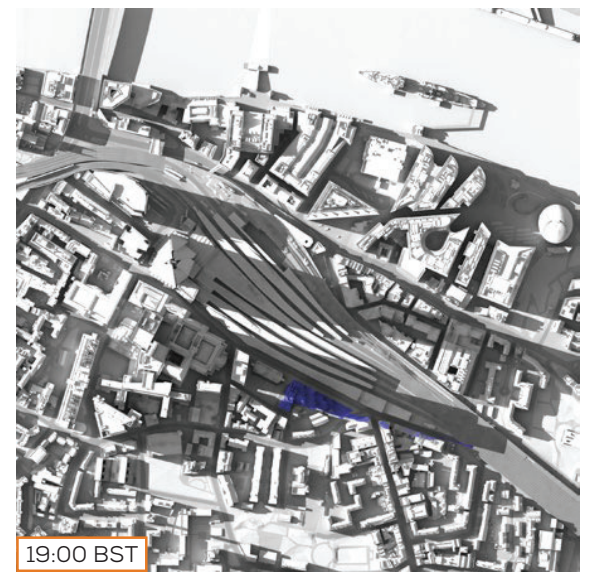
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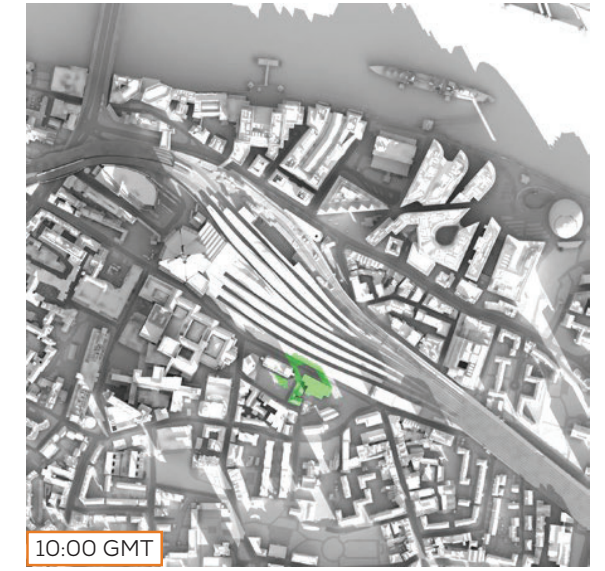


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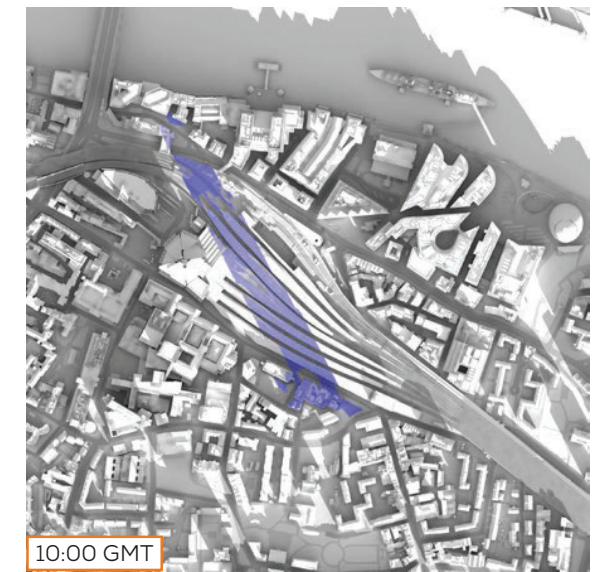
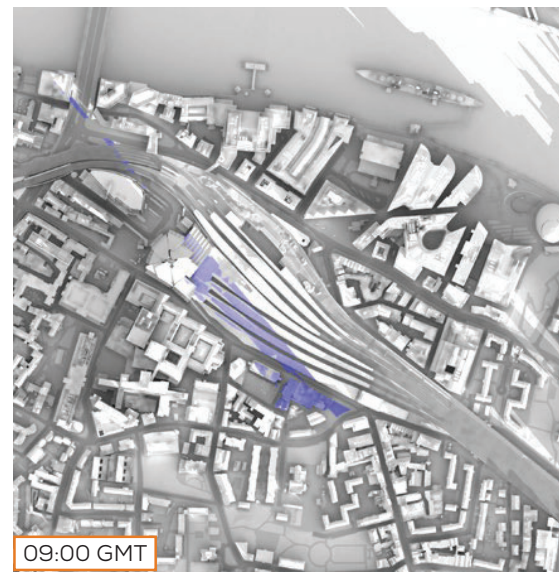
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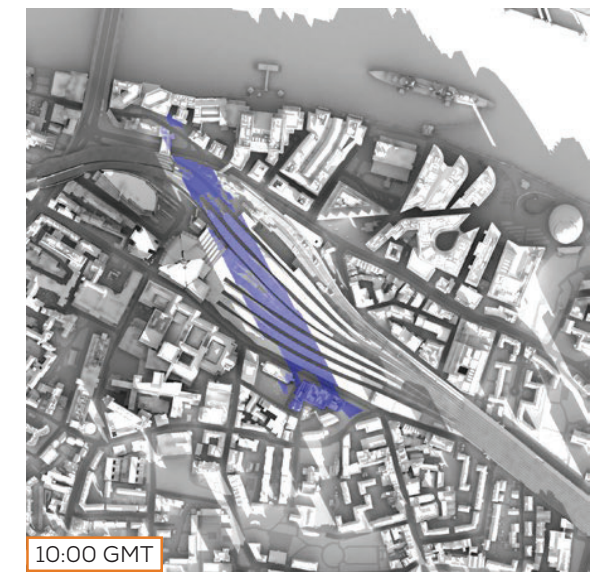
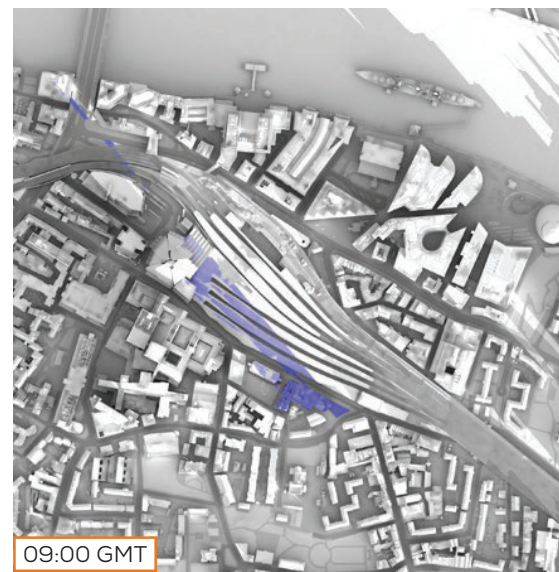
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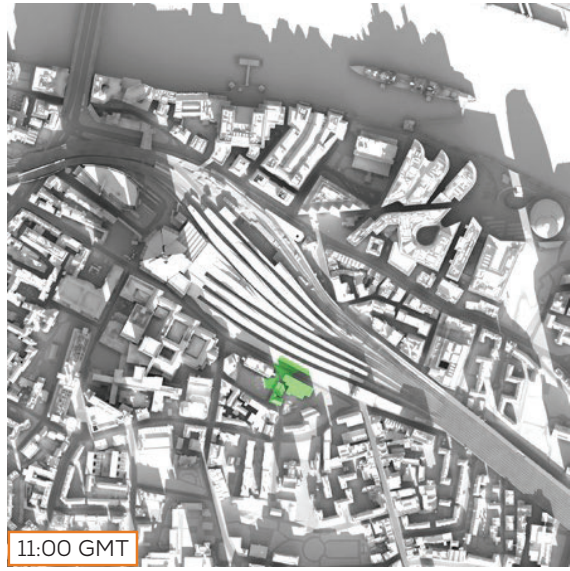


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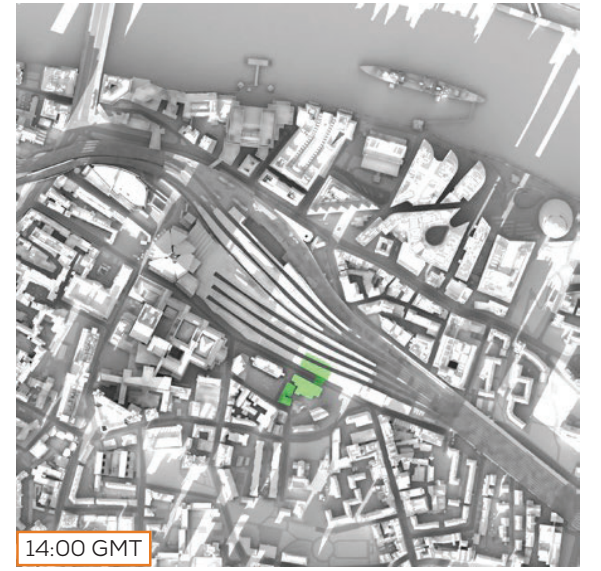


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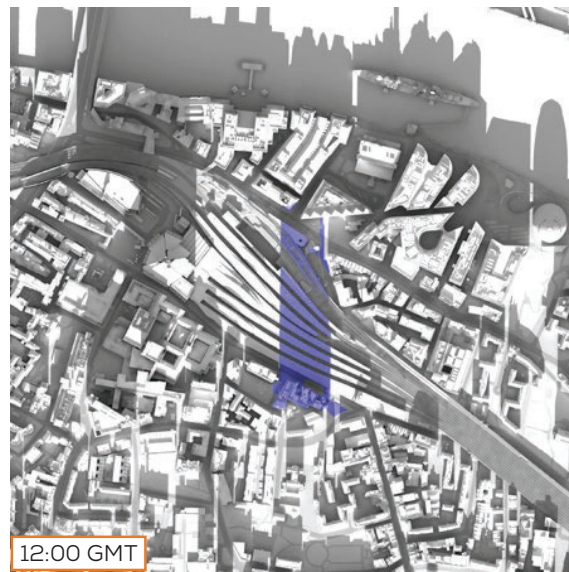
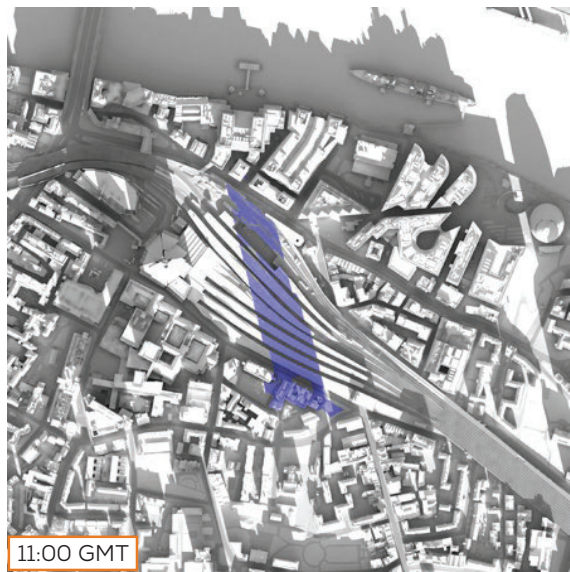
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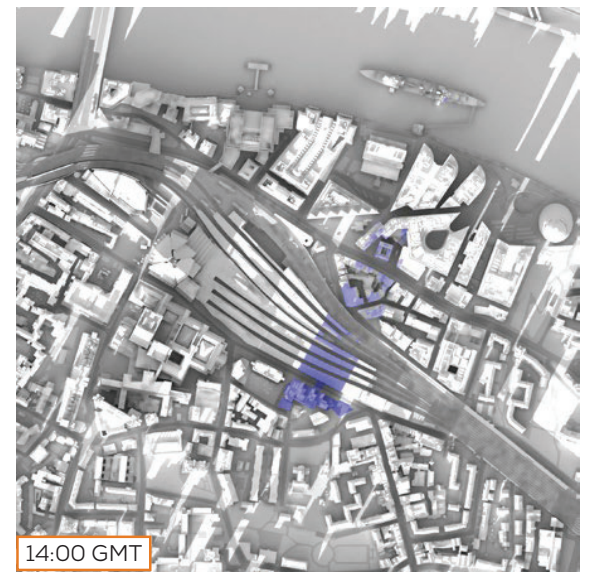
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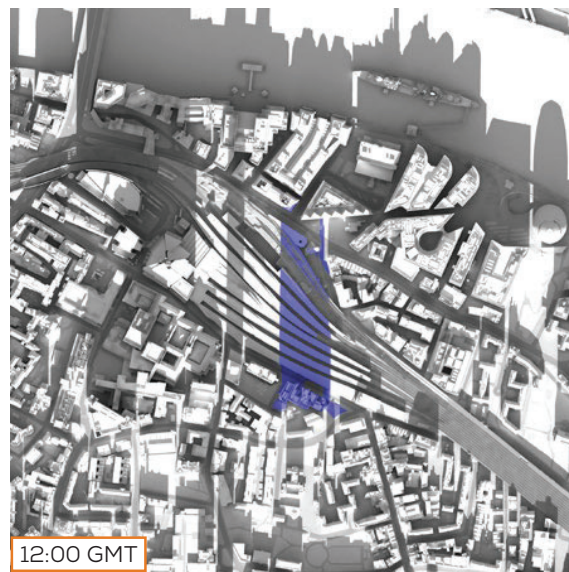
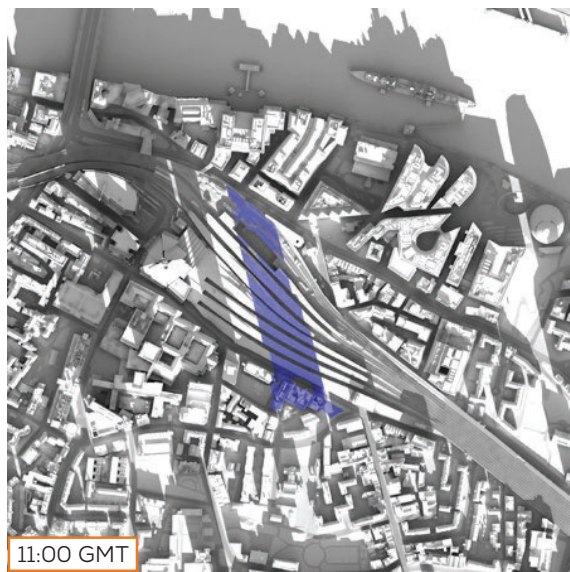
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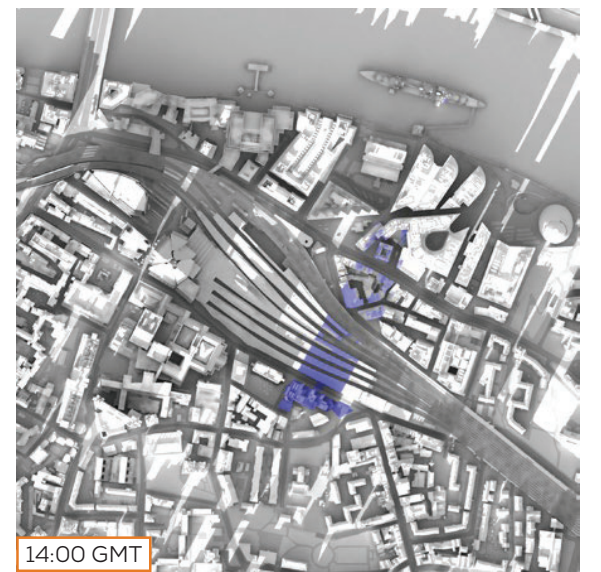
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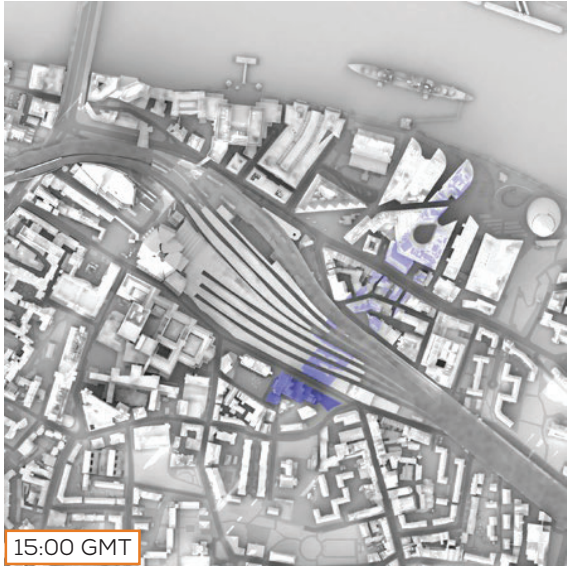
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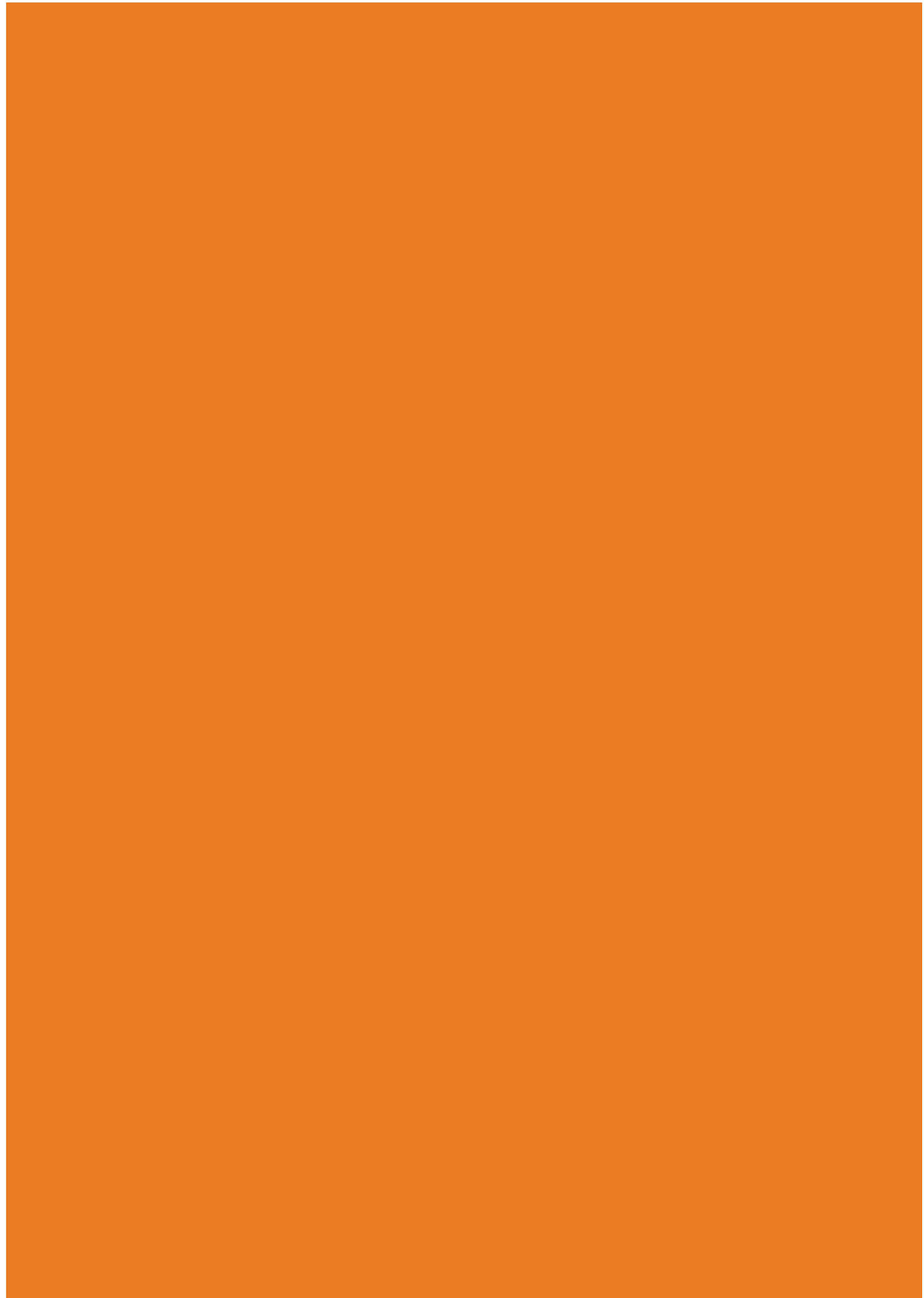
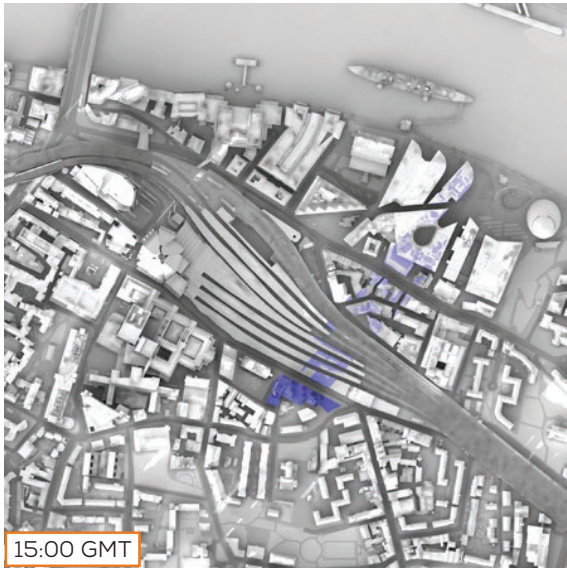
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# TRANSIENT OVERSHADOWING ASSESSMENT

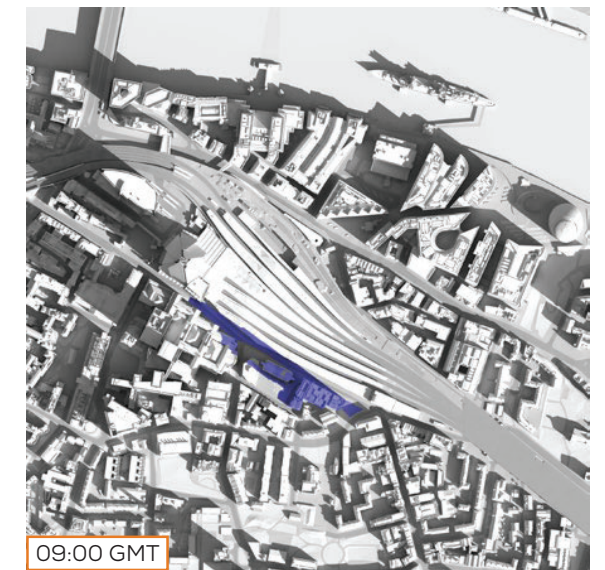
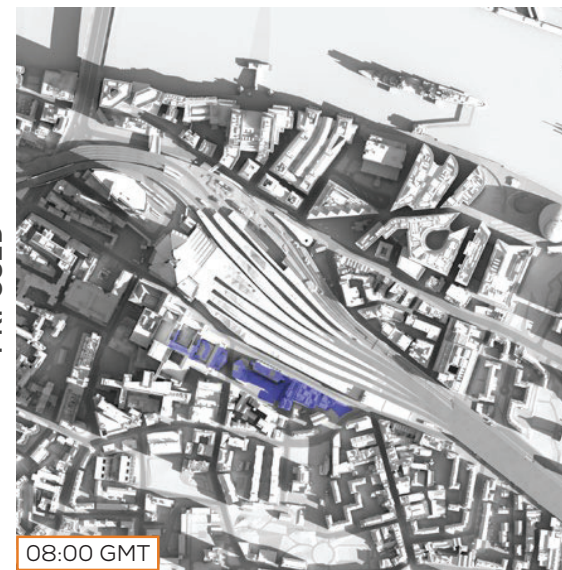
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TRANSIENT OVERSHADOWING ASSESSMENT  
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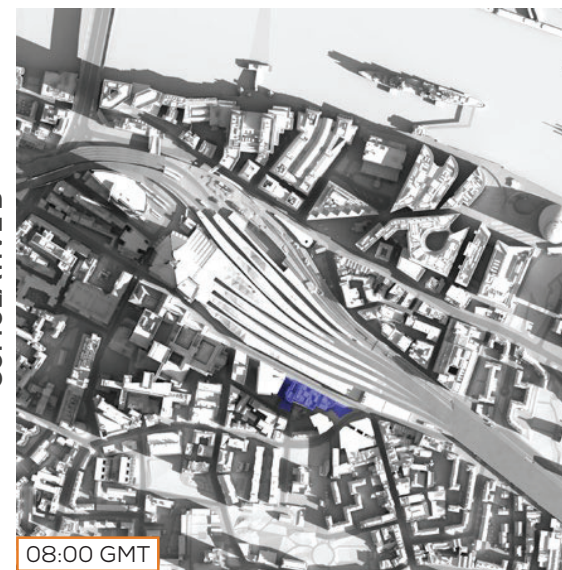
EXISTING



PROPOSED

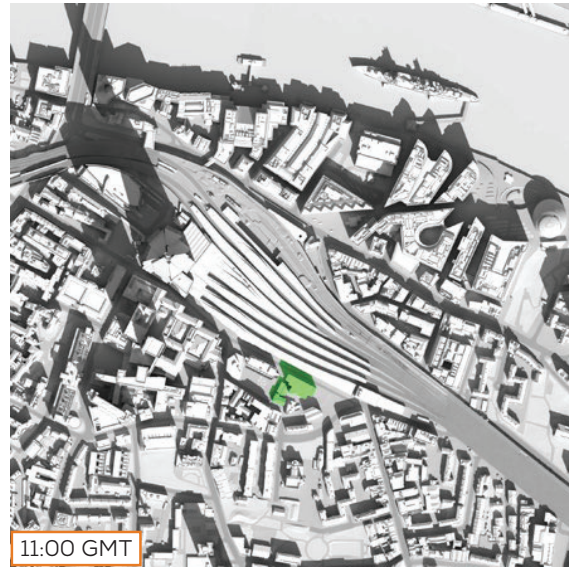


CUMULATIVE B

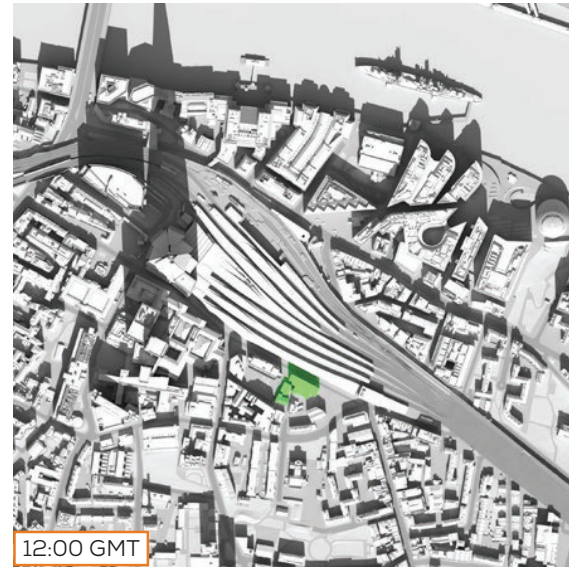


TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> MARCH (12:00 - 15:00 GMT)

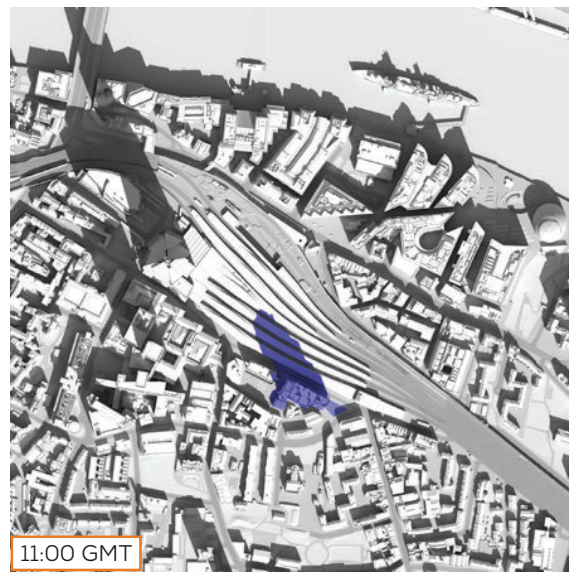
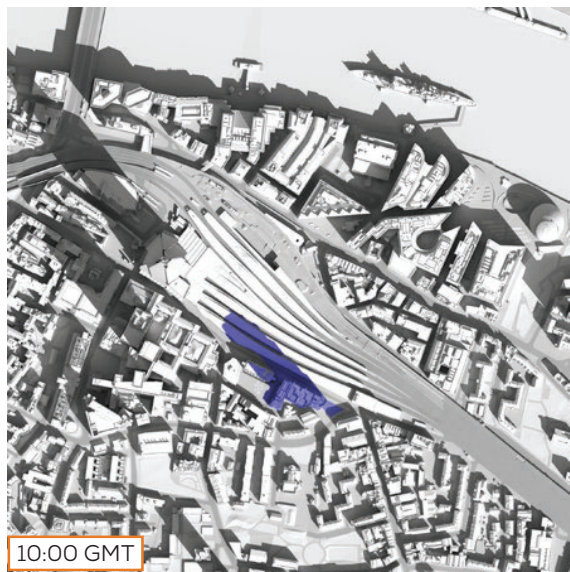
EXISTING



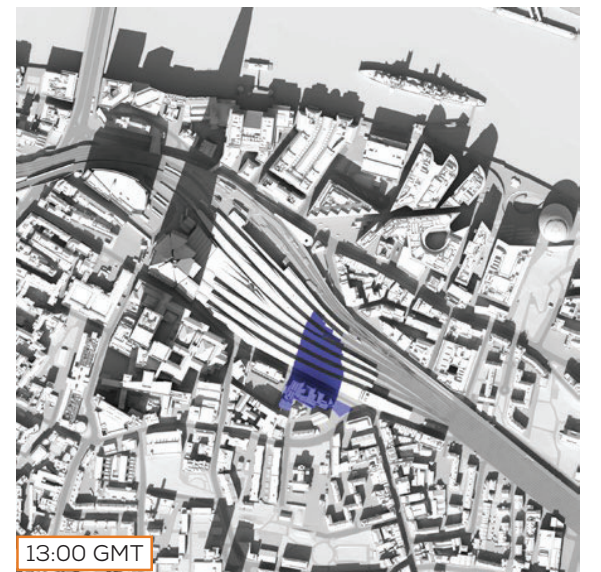
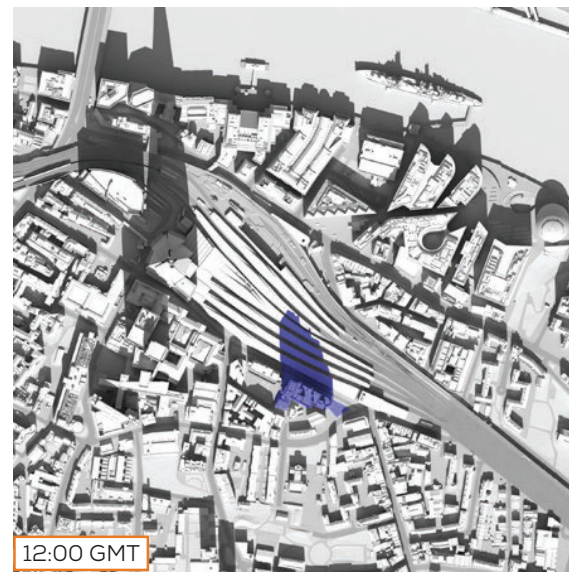
EXISTING



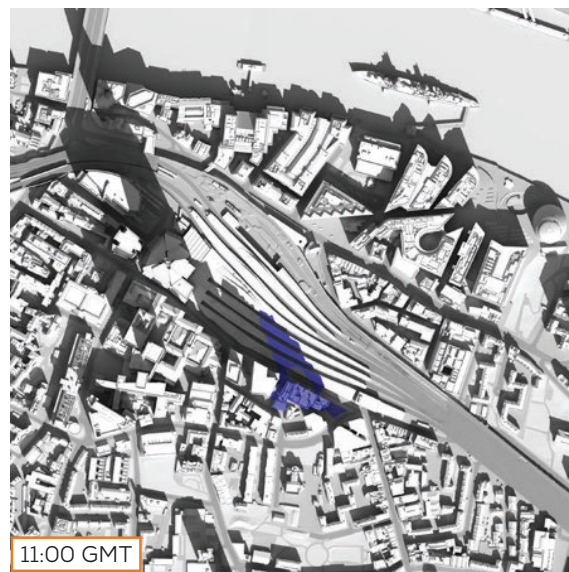
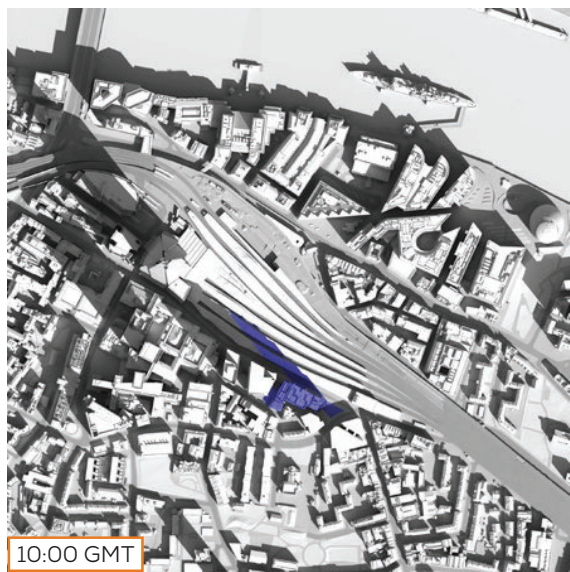
PROPOSED



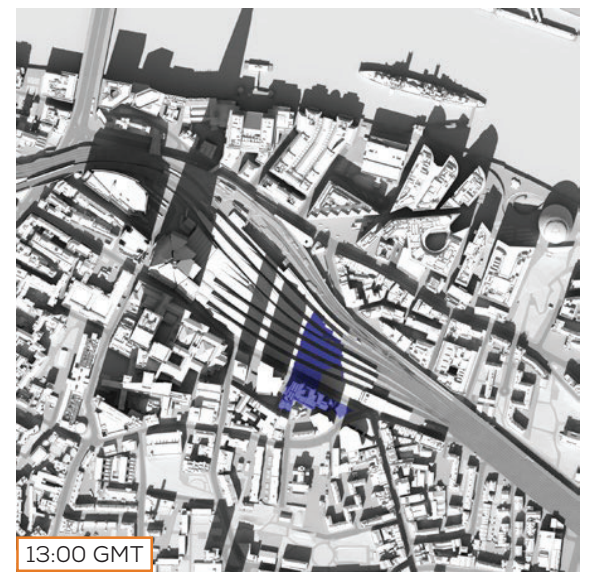
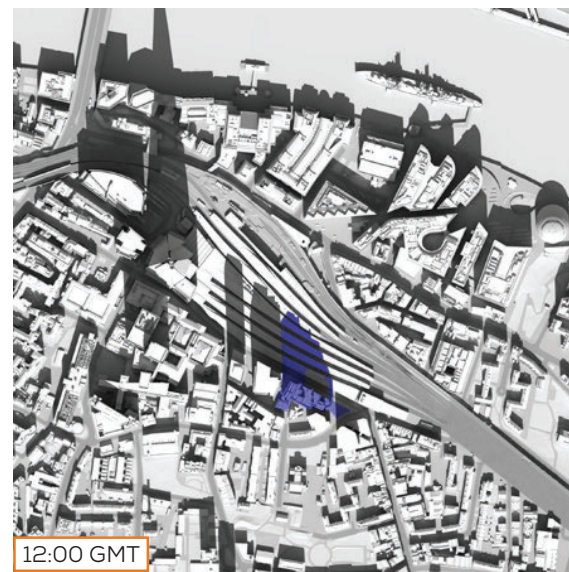
PROPOSED



CUMULATIVE B



CUMULATIVE B



TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> MARCH (16:00 - 17:00 GMT)

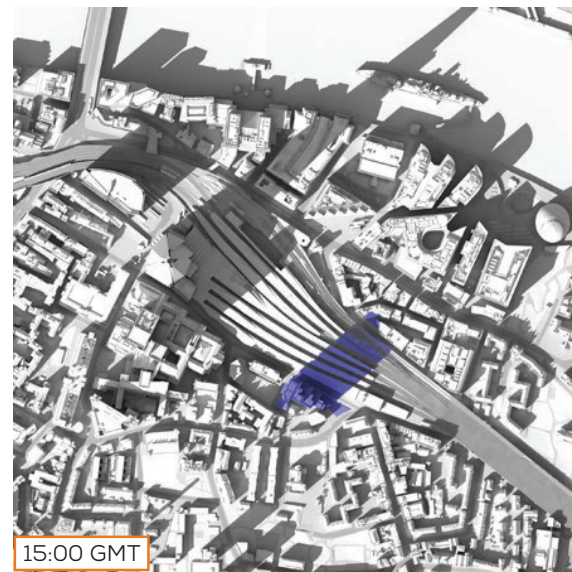
EXISTING



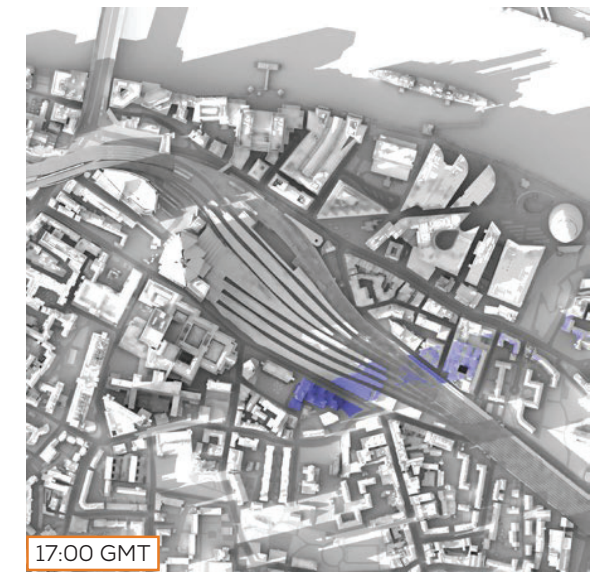
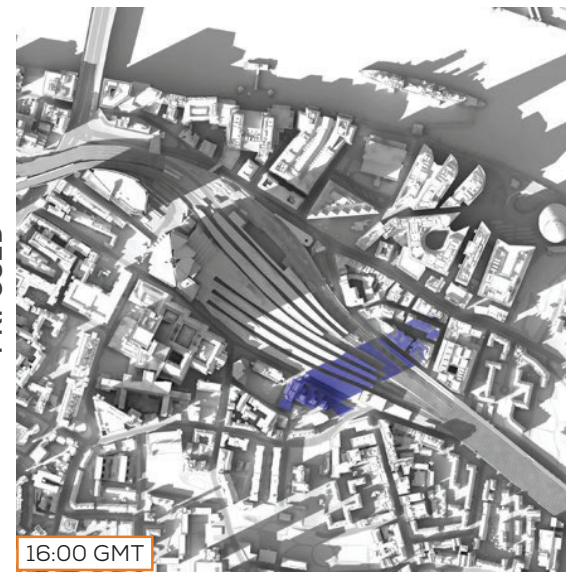
EXISTING



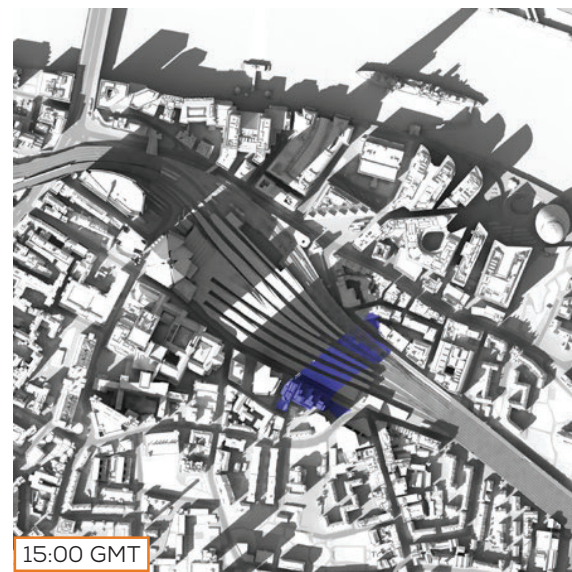
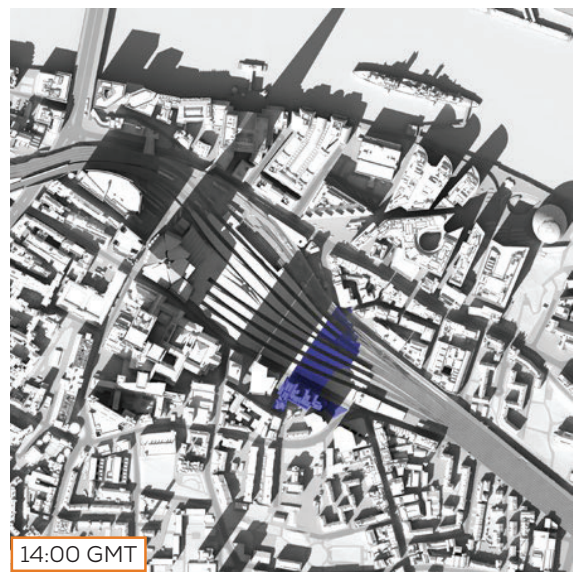
PROPOSED



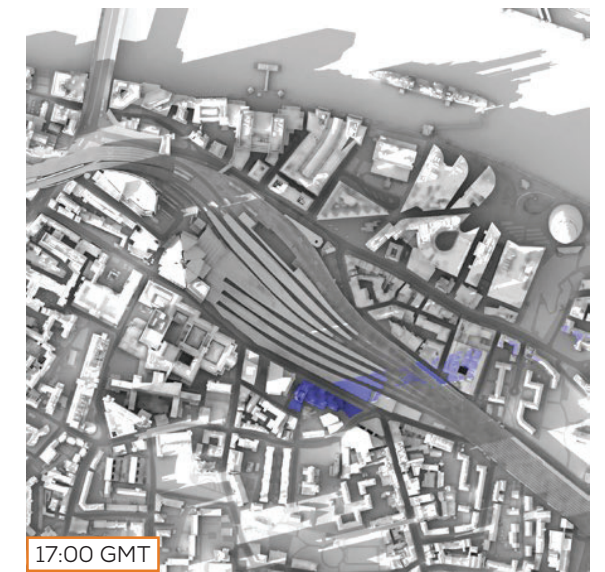
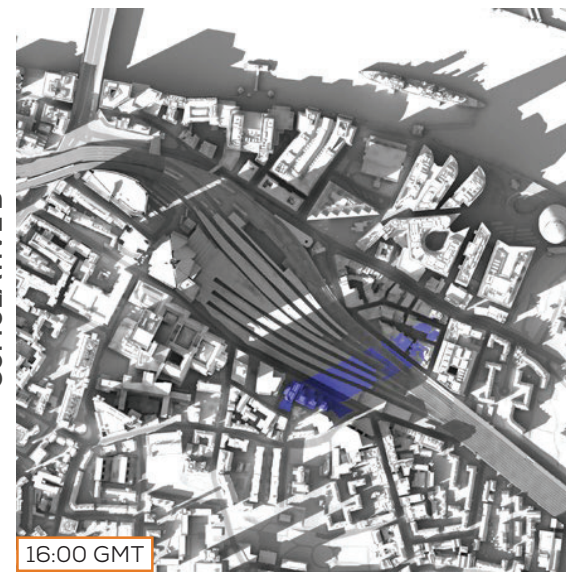
PROPOSED



CUMULATIVE B



CUMULATIVE B

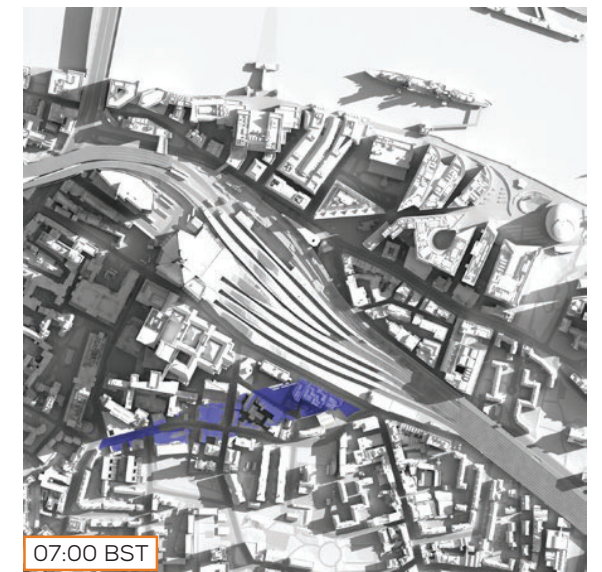
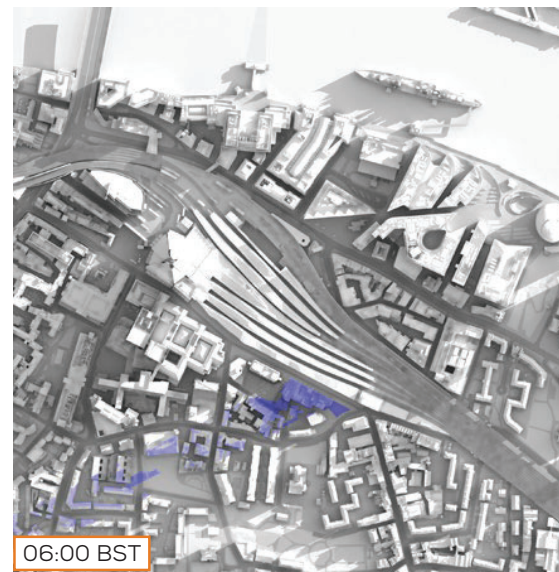


TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> JUNE (06:00 - 09:00 BST)

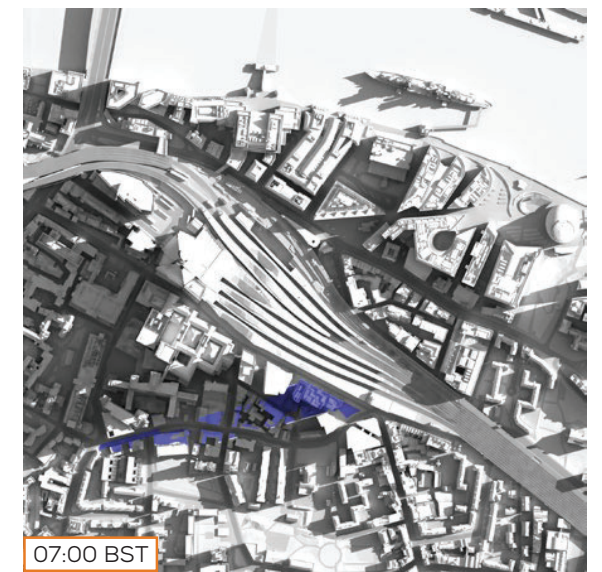
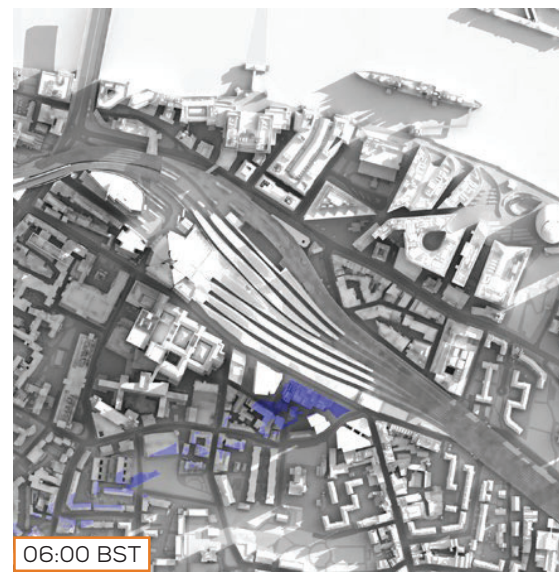
EXISTING



PROPOSED



CUMULATIVE B

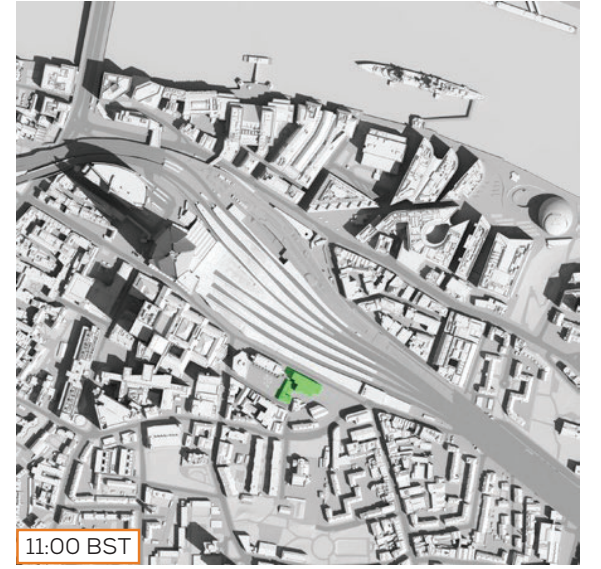


TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> JUNE (10:00 - 13:00 BST)

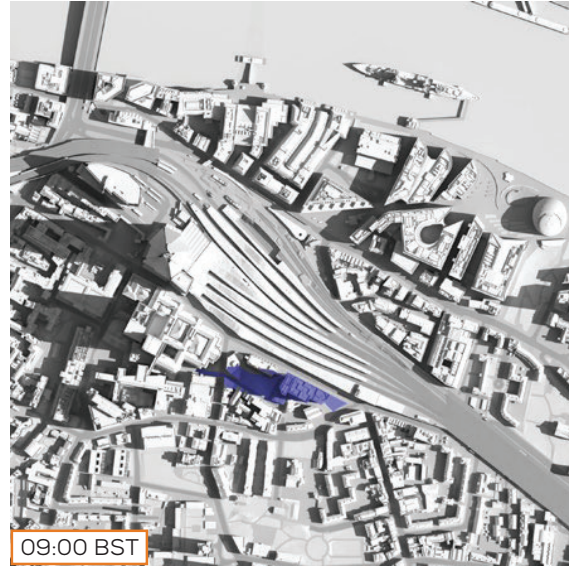
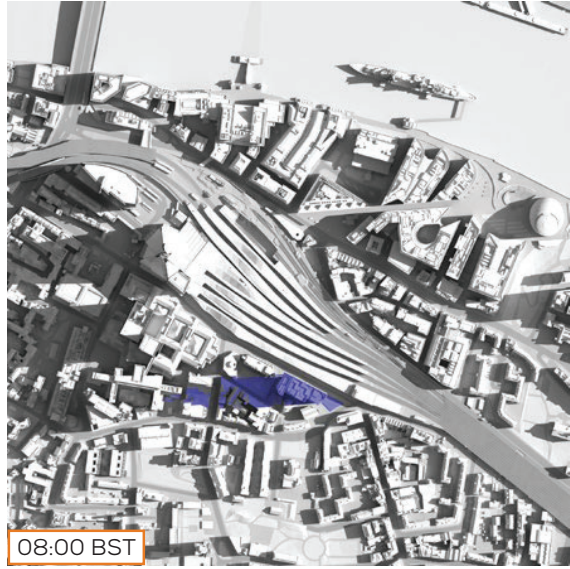
EXISTING



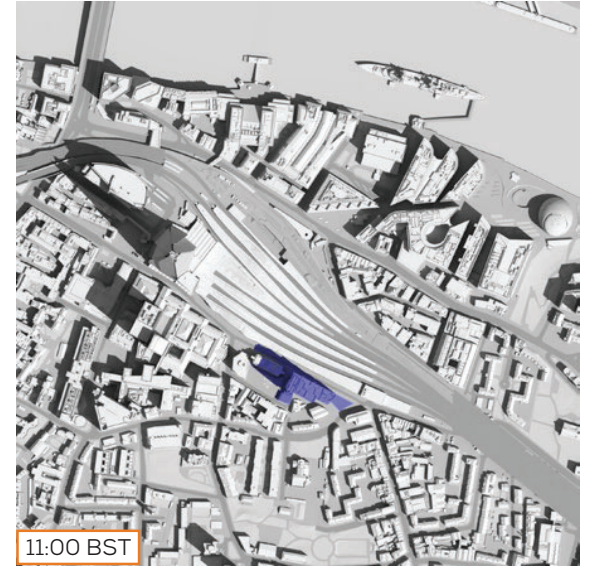
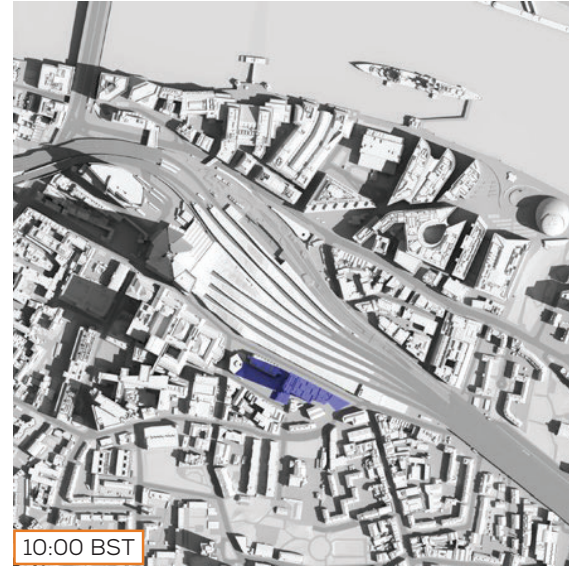
EXISTING



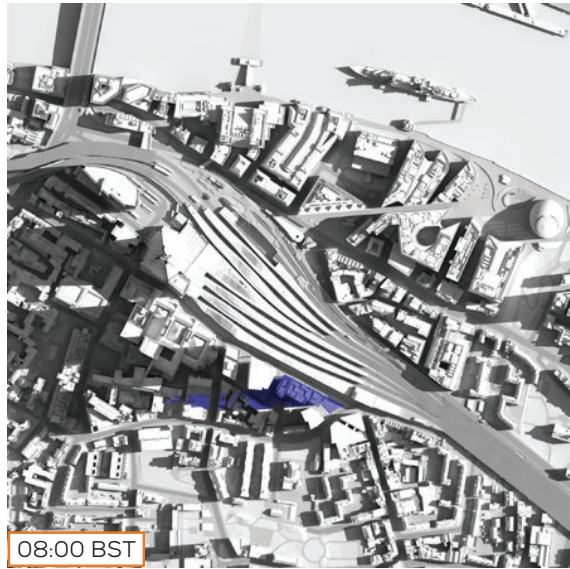
PROPOSED



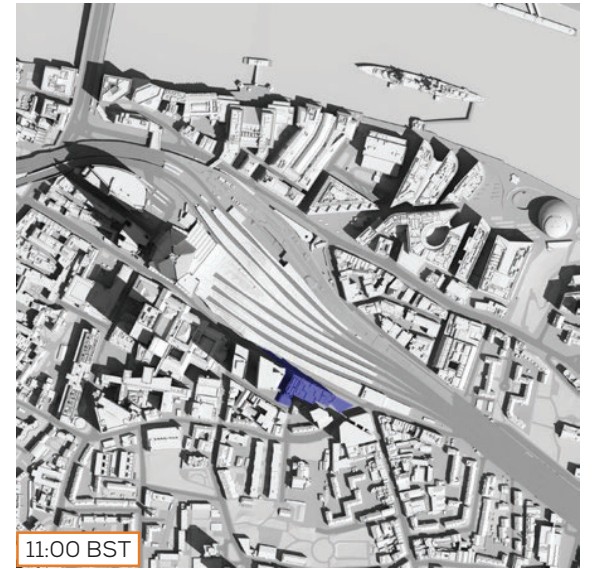
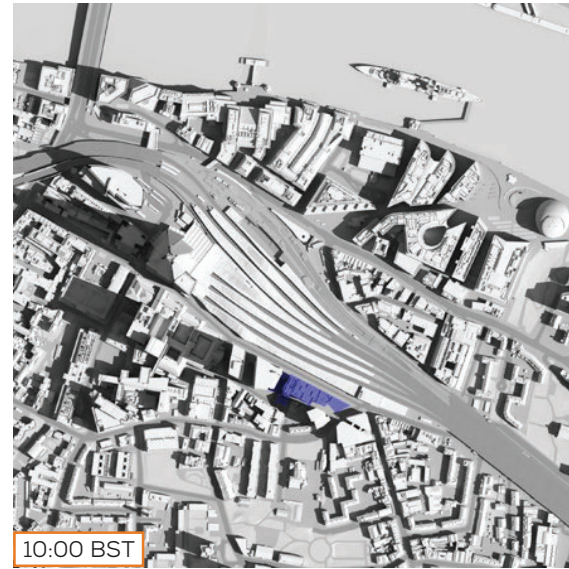
PROPOSED



CUMULATIVE B



CUMULATIVE B



TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> JUNE (14:00 - 17:00 BST)

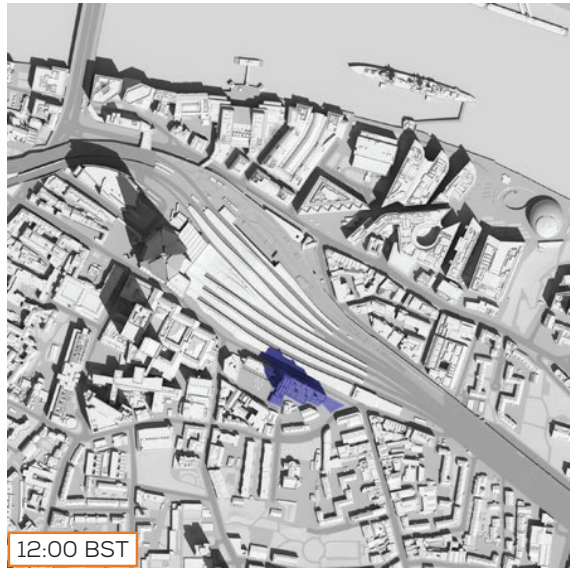
EXISTING



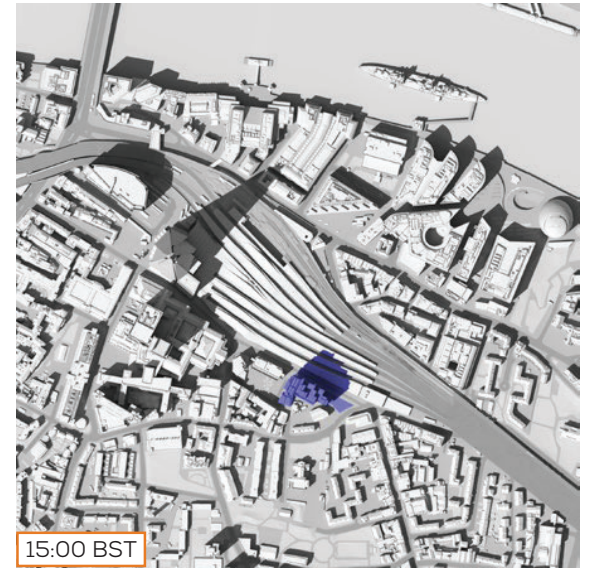
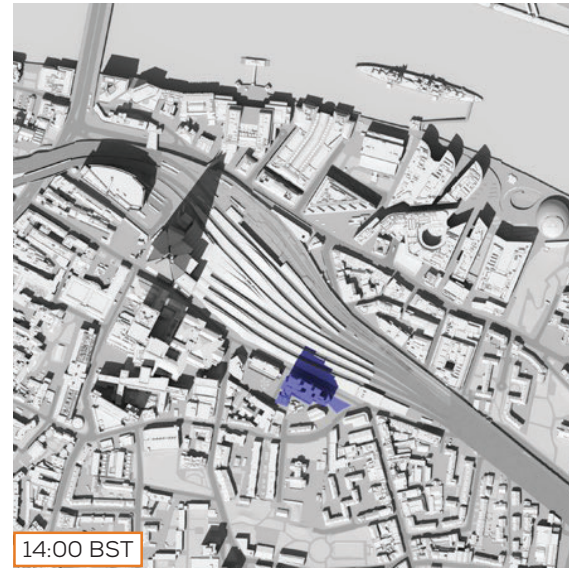
EXISTING



PROPOSED



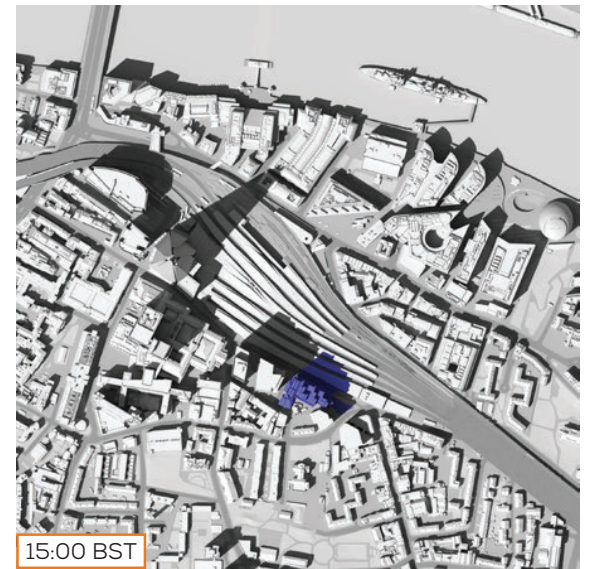
PROPOSED



CUMULATIVE B



CUMULATIVE B

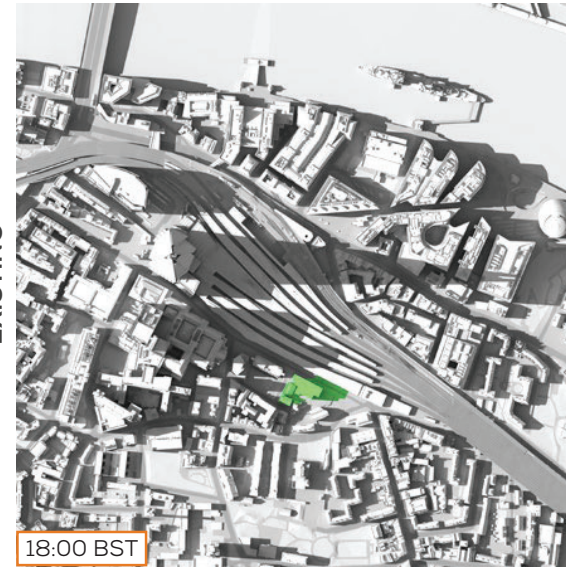


TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> JUNE (18:00 - 20:00 BST)

EXISTING



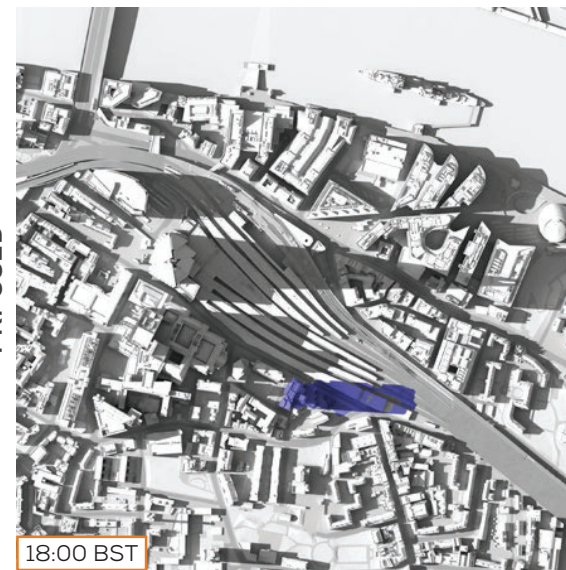
EXISTING



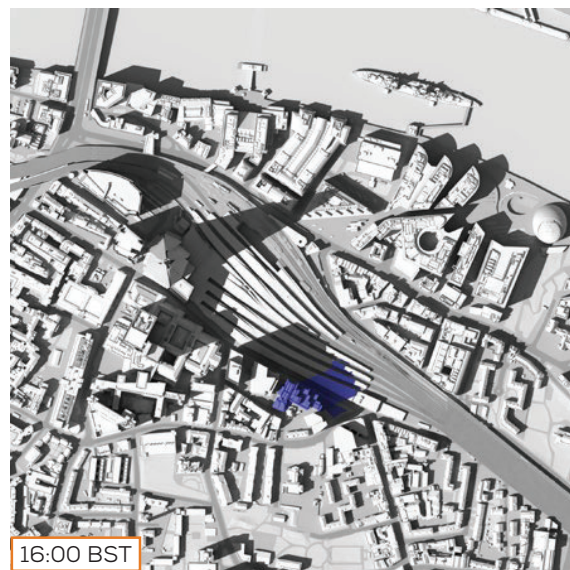
PROPOSED



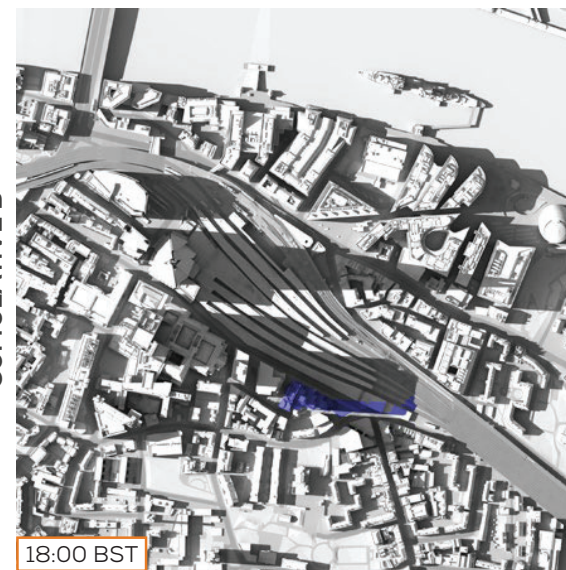
PROPOSED



CUMULATIVE B



CUMULATIVE B

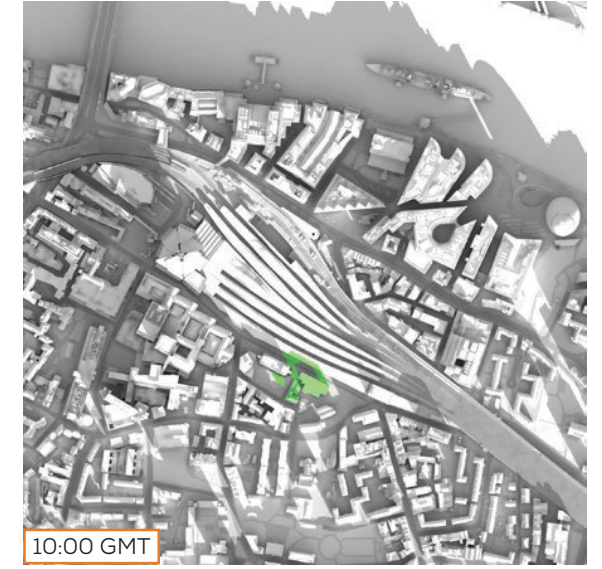


TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> DECEMBER (09:00 - 12:00 GMT)

EXISTING



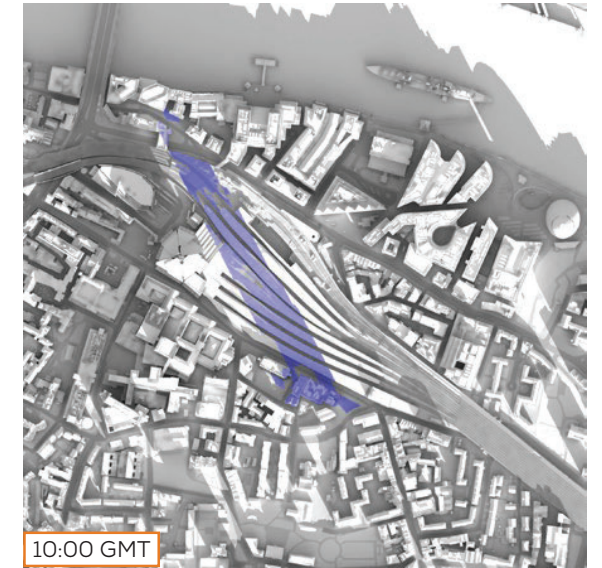
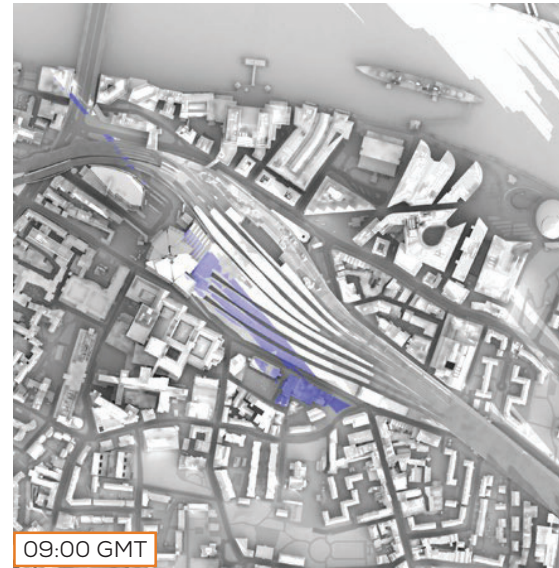
EXISTING



PROPOSED



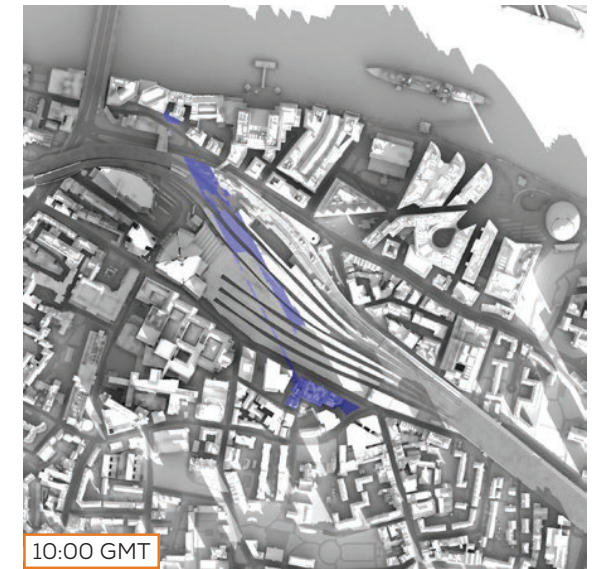
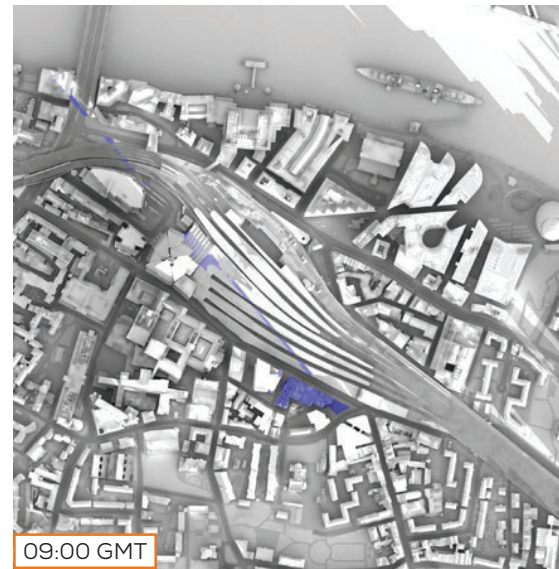
PROPOSED



CUMULATIVE B

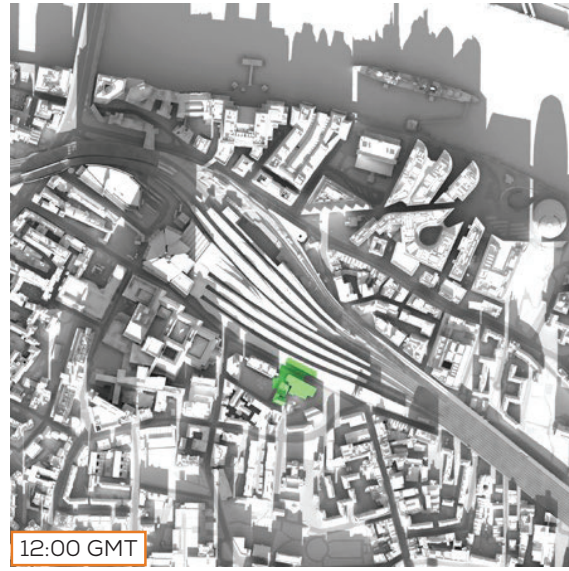
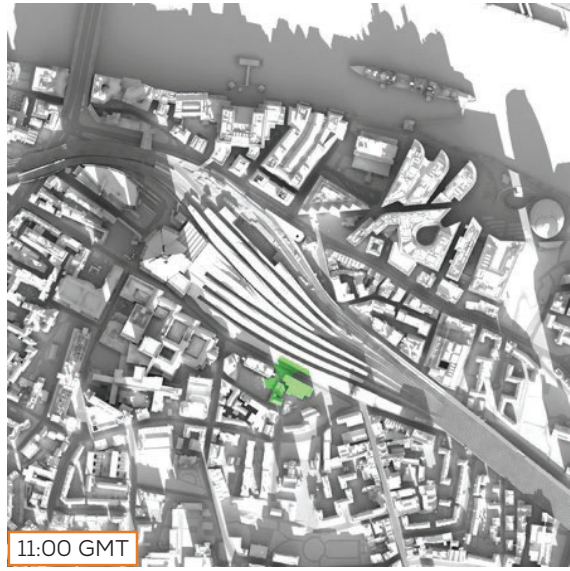


CUMULATIVE B



TRANSIENT OVERSHADOWING ASSESSMENT  
21<sup>ST</sup> DECEMBER (13:00 - 15:00 GMT)

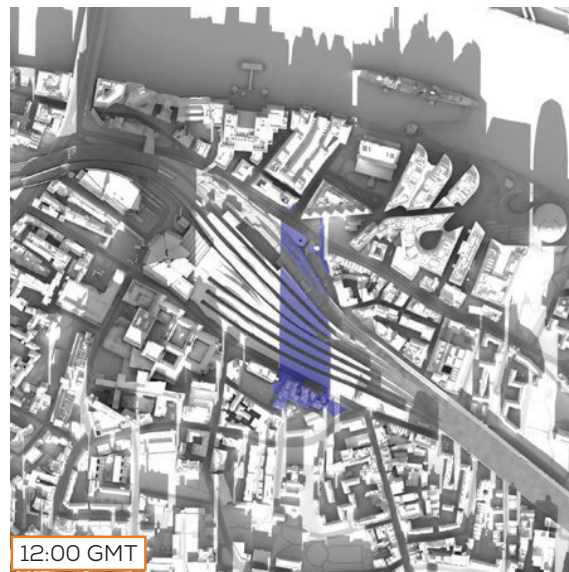
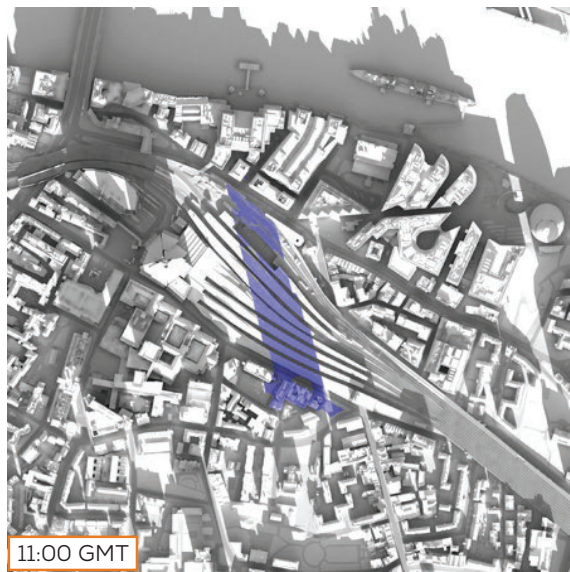
EXISTING



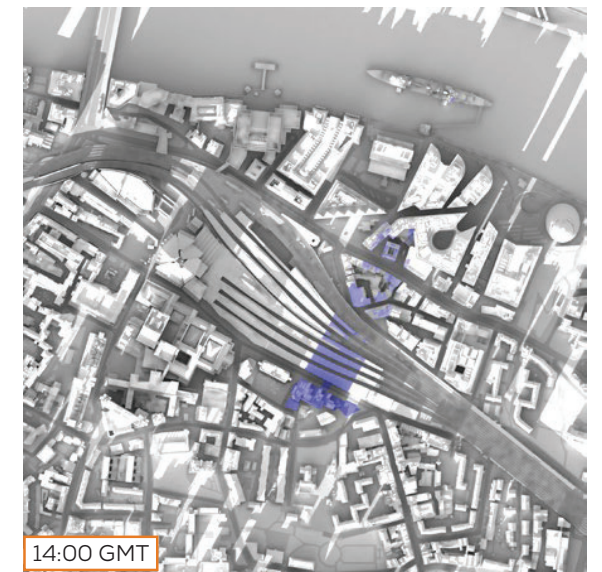
EXISTING



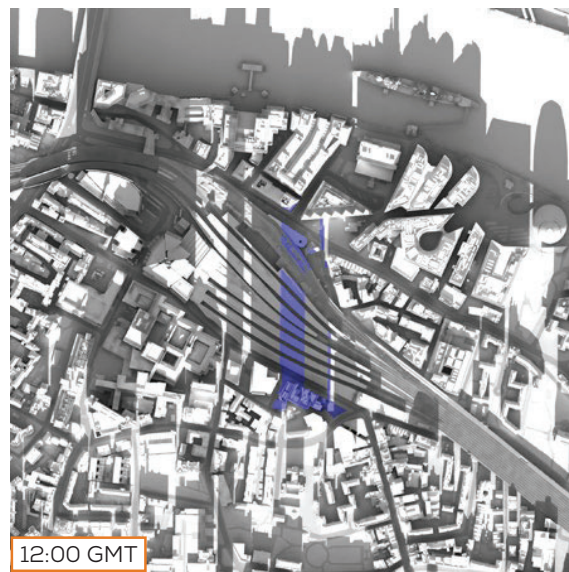
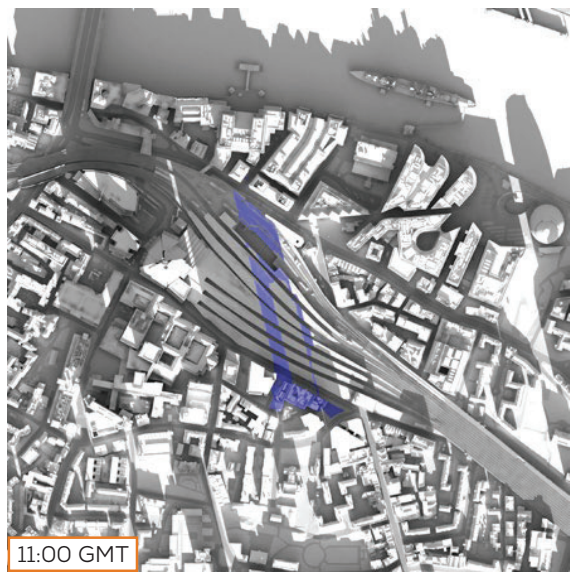
PROPOSED



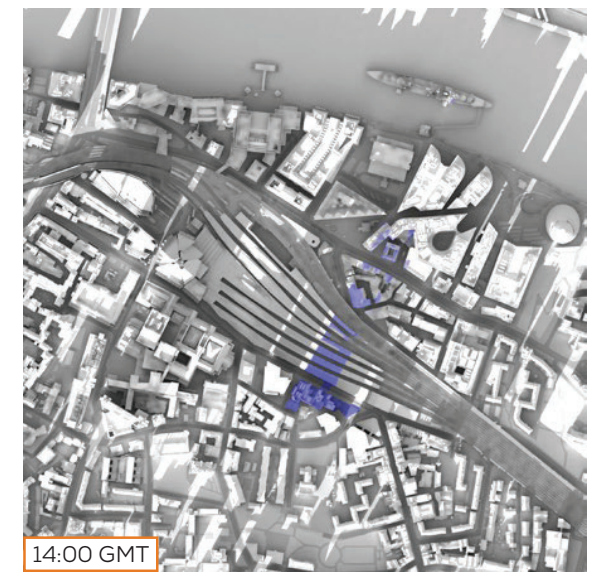
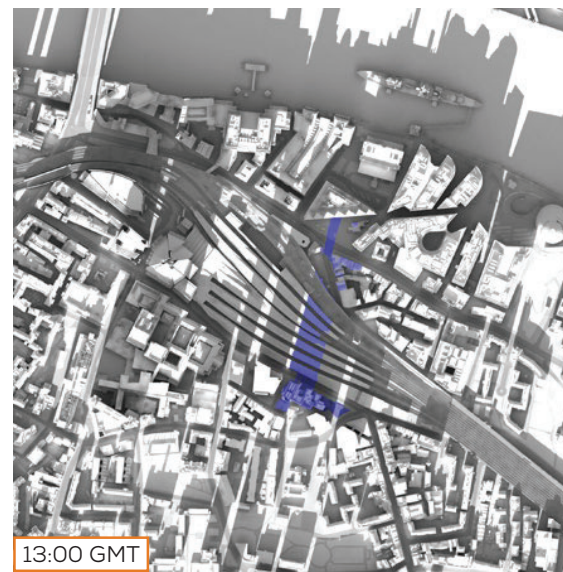
PROPOSED



CUMULATIVE B



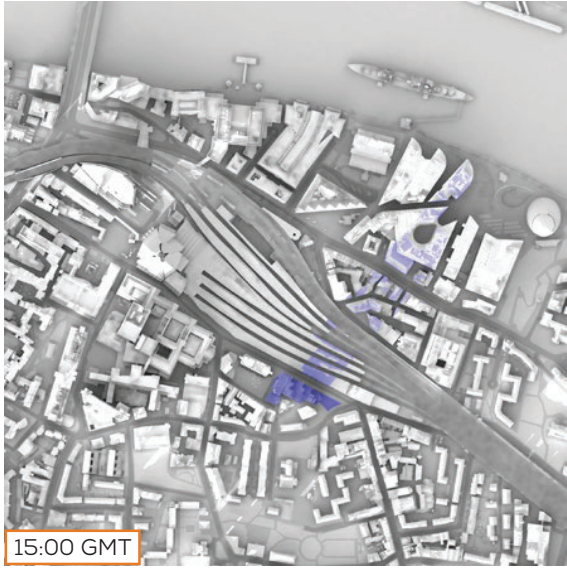
CUMULATIVE B



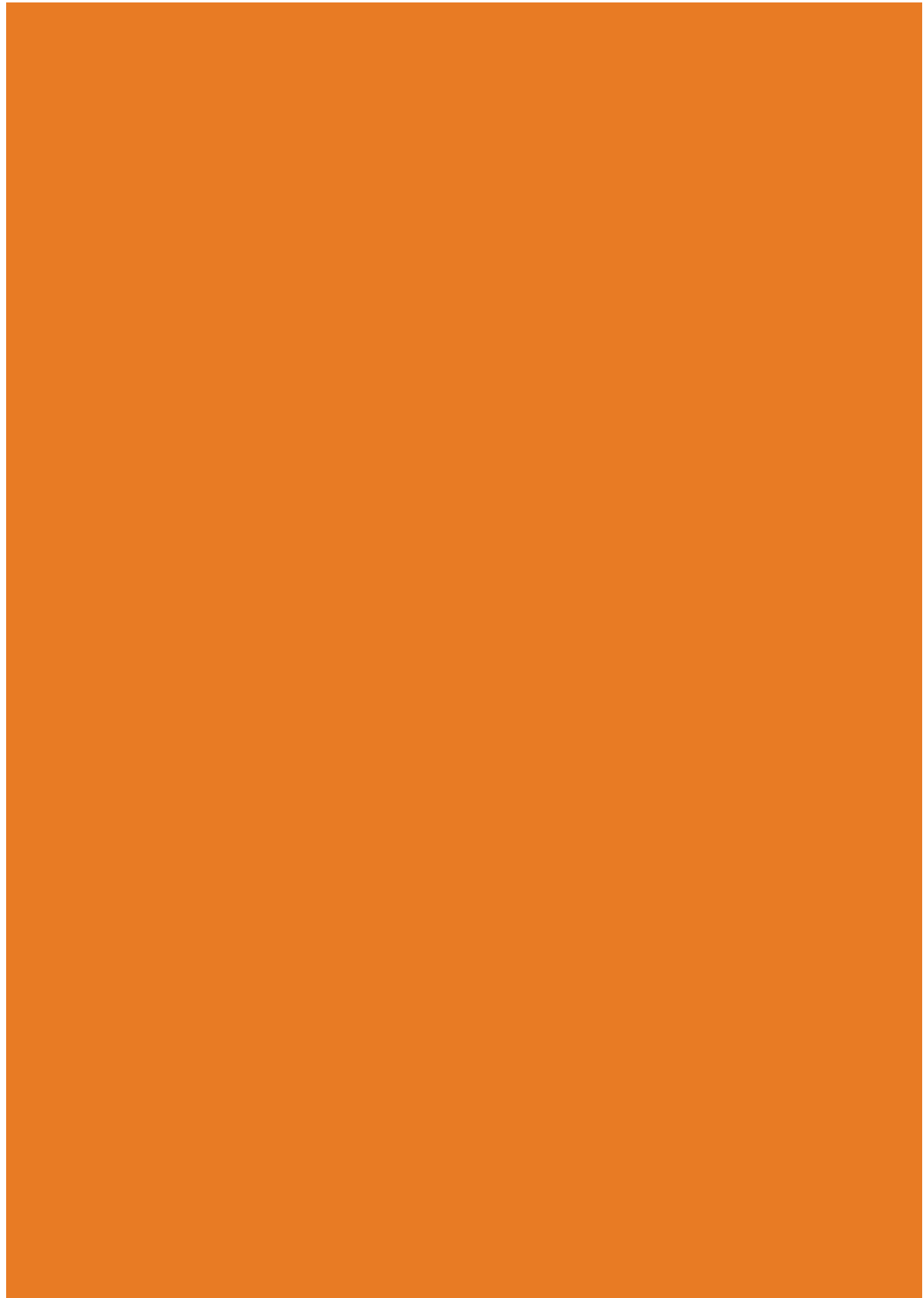
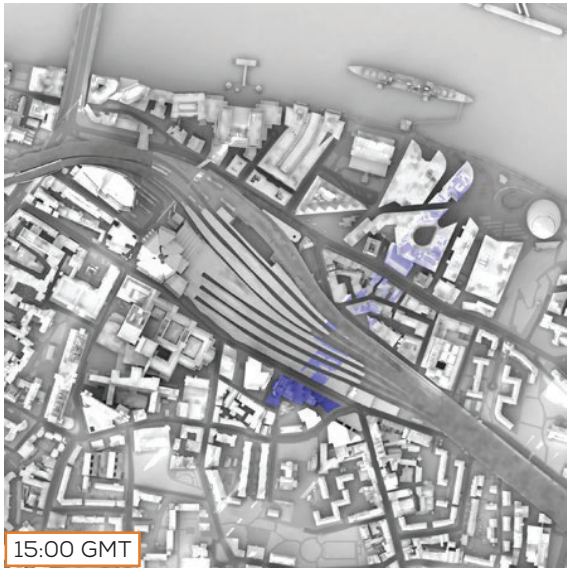
EXISTING



PROPOSED



CUMULATIVE B

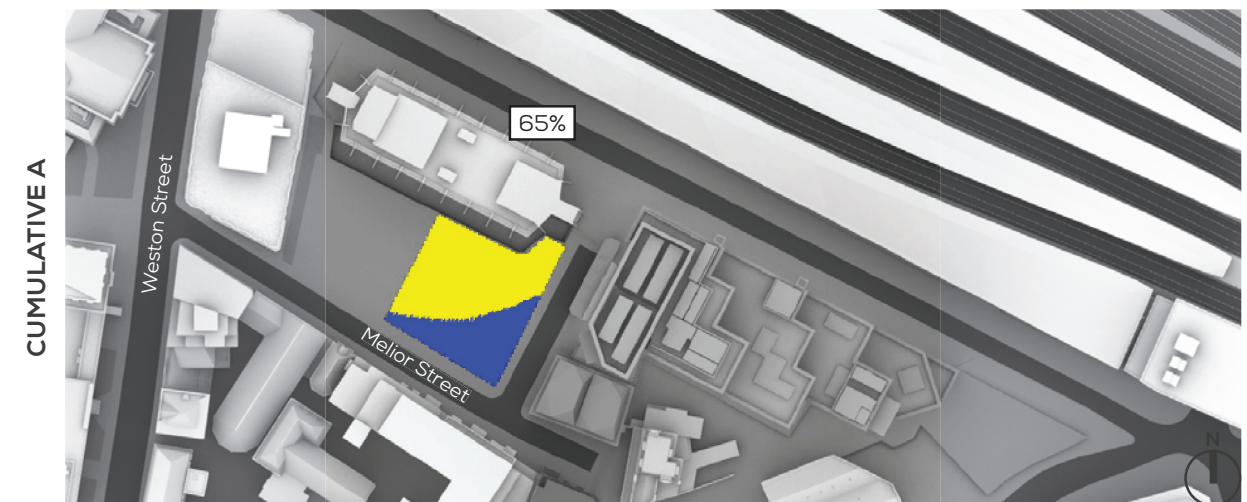
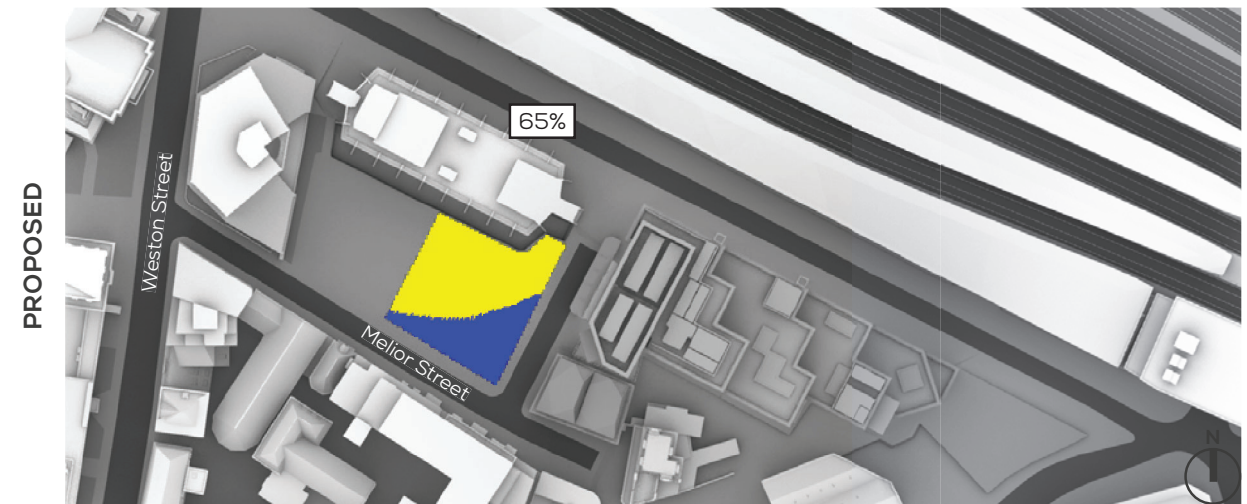
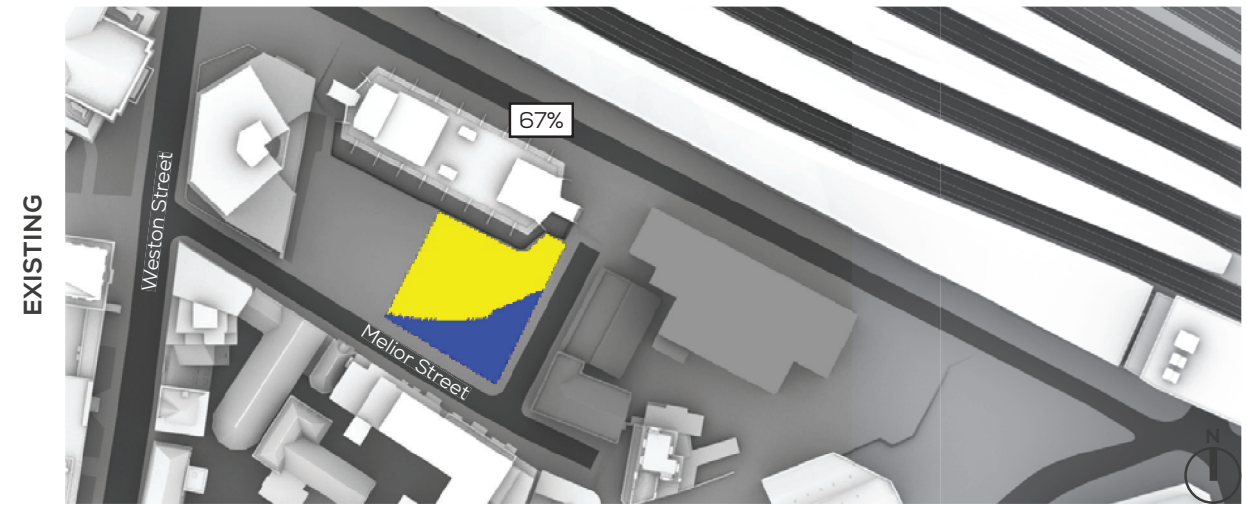


# SUN HOURS ON GROUND ASSESSMENT

Impacts on neighbouring amenity areas

## OVERSHADOWING ASSESSMENT MELIOR STREET AND FENNING STREET

SUN HOURS ON GROUND - BRE COMPLIANCE - 21<sup>ST</sup> MARCH



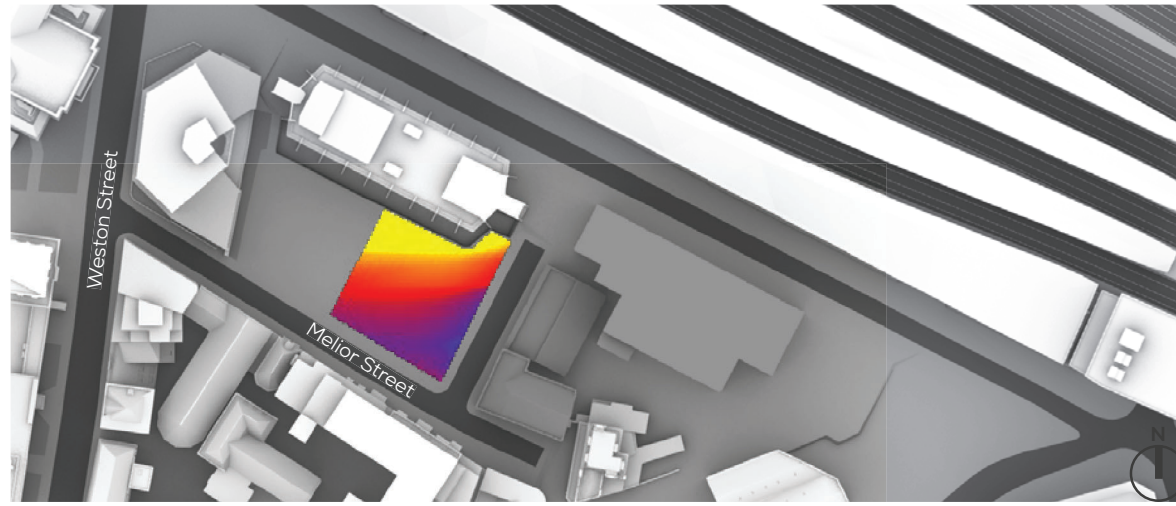
SUN HOURS ON GROUND  
BRE TEST - 21<sup>ST</sup> MARCH



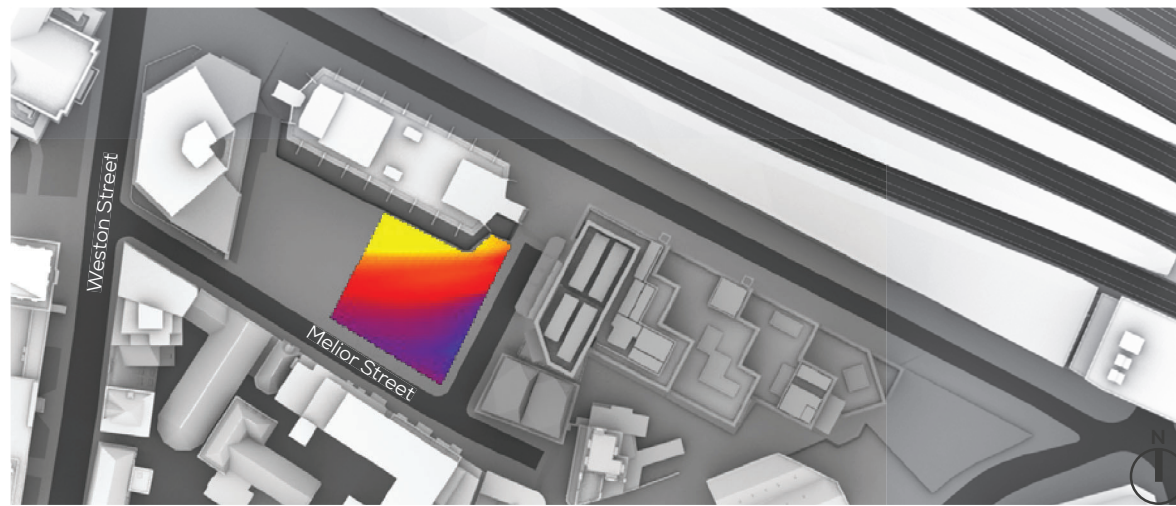
Area receiving at least 2 hours of direct  
sunlight on 21<sup>st</sup> March

OVERSHADOWING ASSESSMENT  
**MELIOR STREET AND FENNING STREET**  
 SUNLIGHT EXPOSURE - 21<sup>ST</sup> MARCH

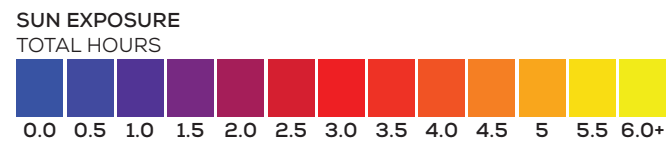
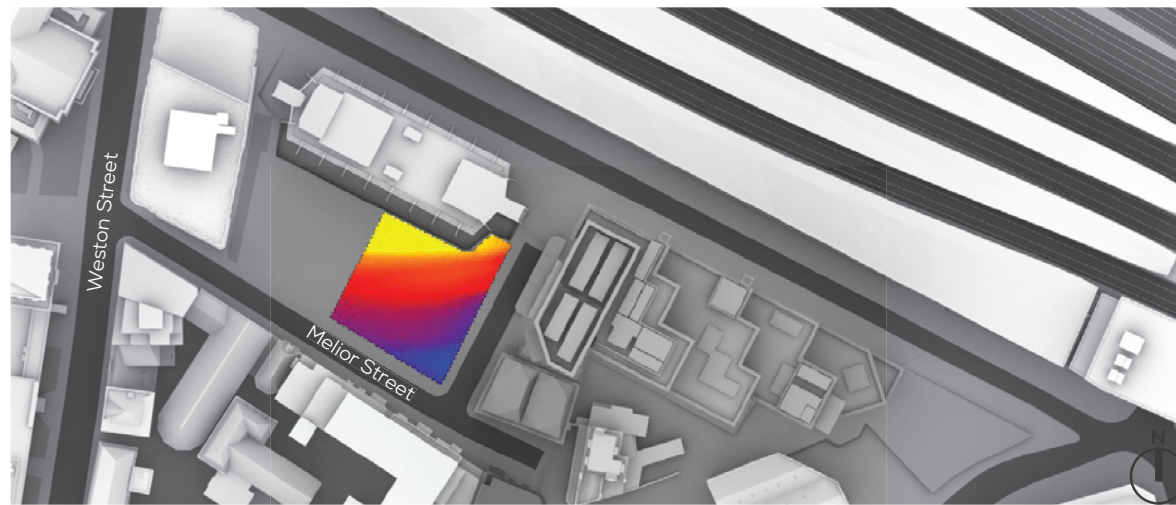
EXISTING



PROPOSED



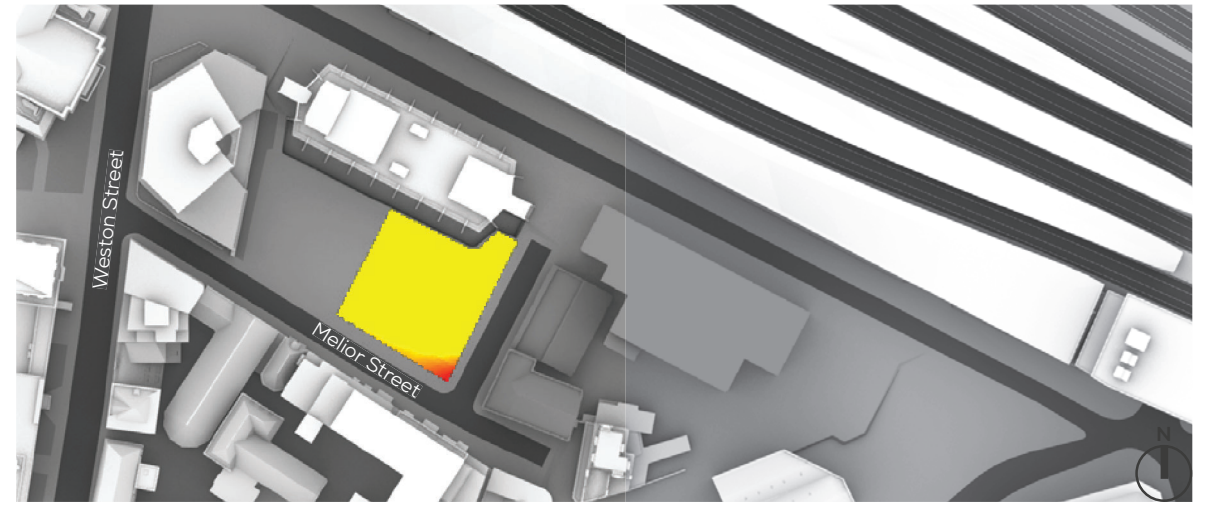
CUMULATIVE A



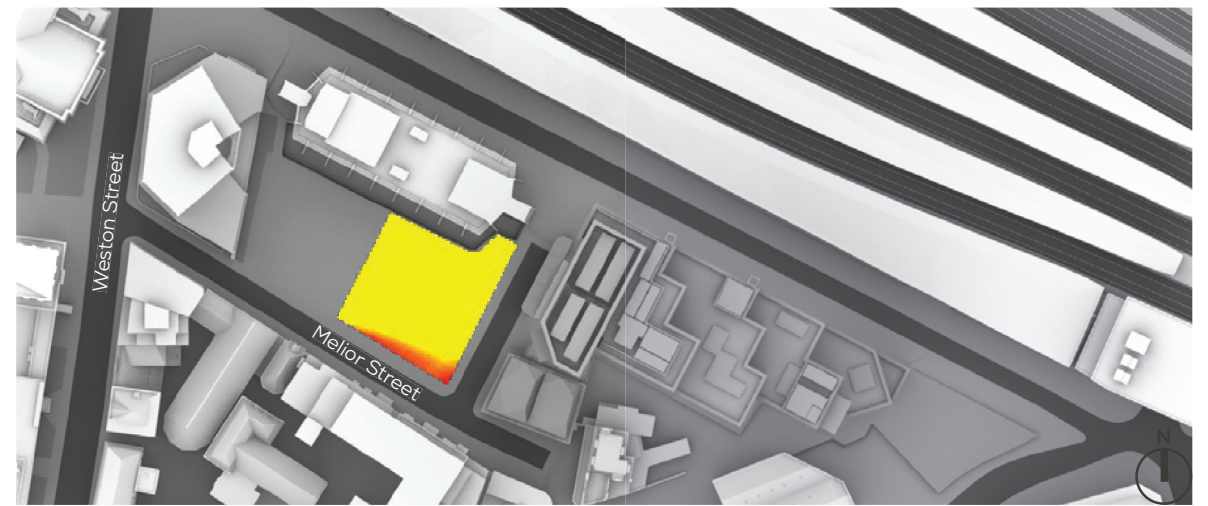
21<sup>ST</sup> MARCH  
 (SPRING EQUINOX)  
**Total Available Sunlight:**  
 12hrs 12mins

OVERSHADOWING ASSESSMENT  
**MELIOR STREET AND FENNING STREET**  
 SUNLIGHT EXPOSURE - 21<sup>ST</sup> JUNE

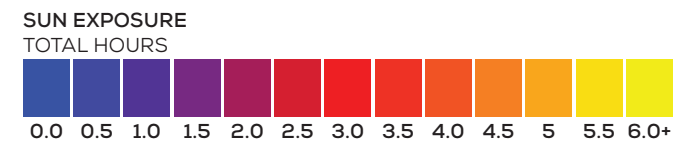
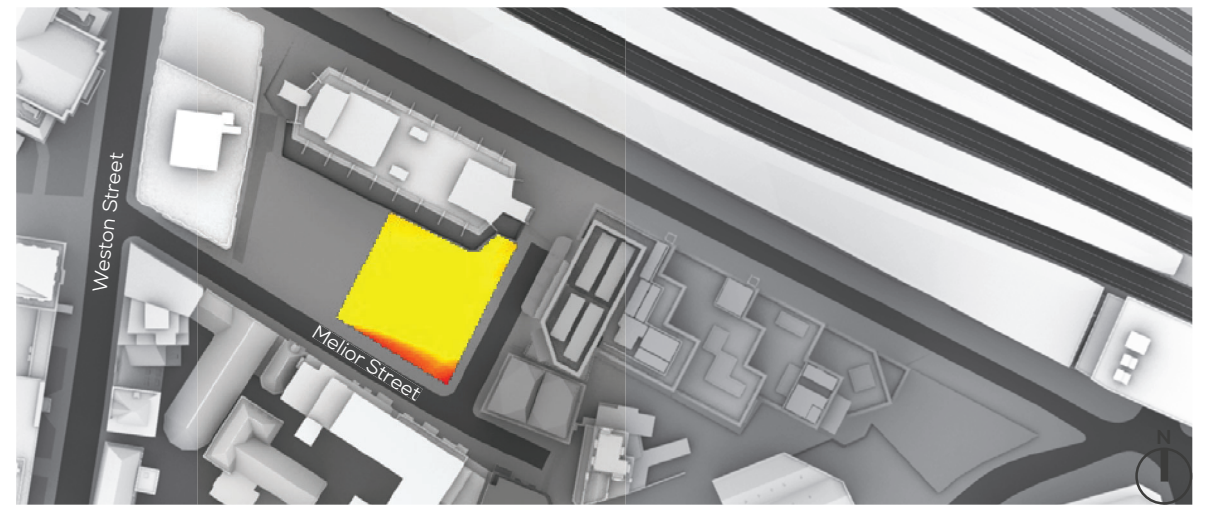
EXISTING



PROPOSED



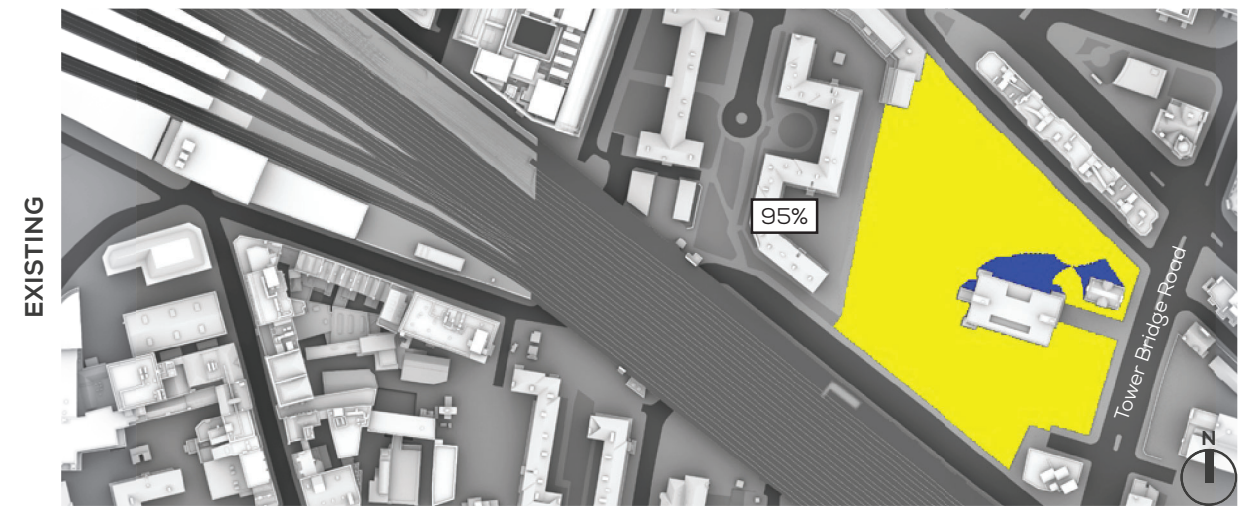
CUMULATIVE A



21<sup>ST</sup> JUNE  
 (SUMMER SOLSTICE)  
**Total Available Sunlight:**  
 16hrs 38mins

OVERSHADOWING ASSESSMENT  
ST. JOHN'S CHURCH PARK

SUN HOURS ON GROUND - BRE COMPLIANCE - 21<sup>ST</sup> MARCH

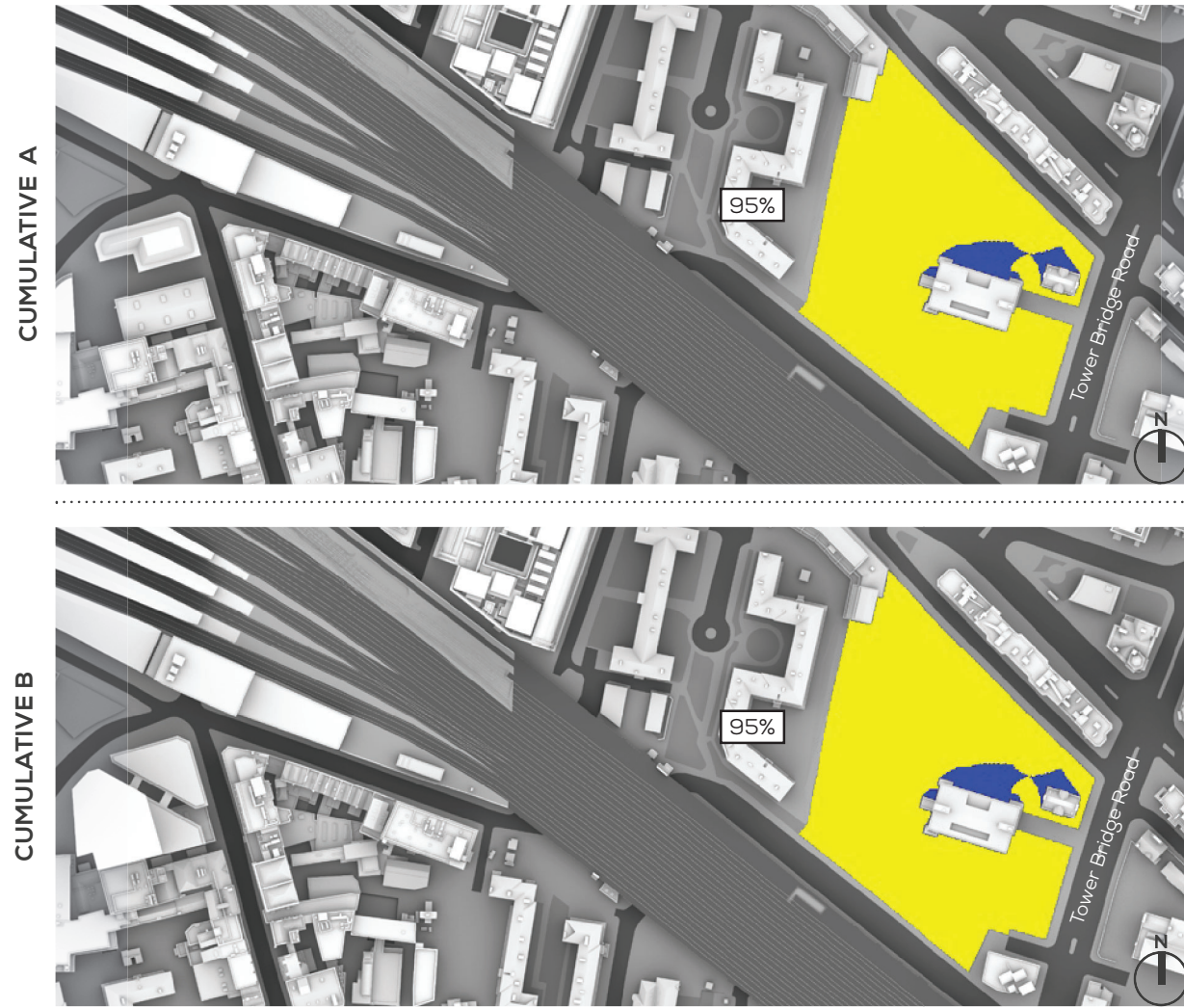


SUN HOURS ON GROUND  
BRE TEST - 21<sup>ST</sup> MARCH

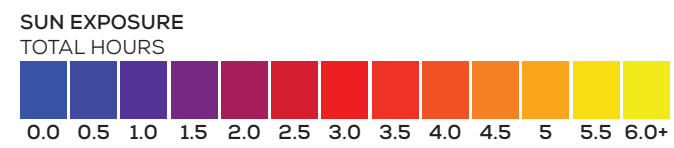
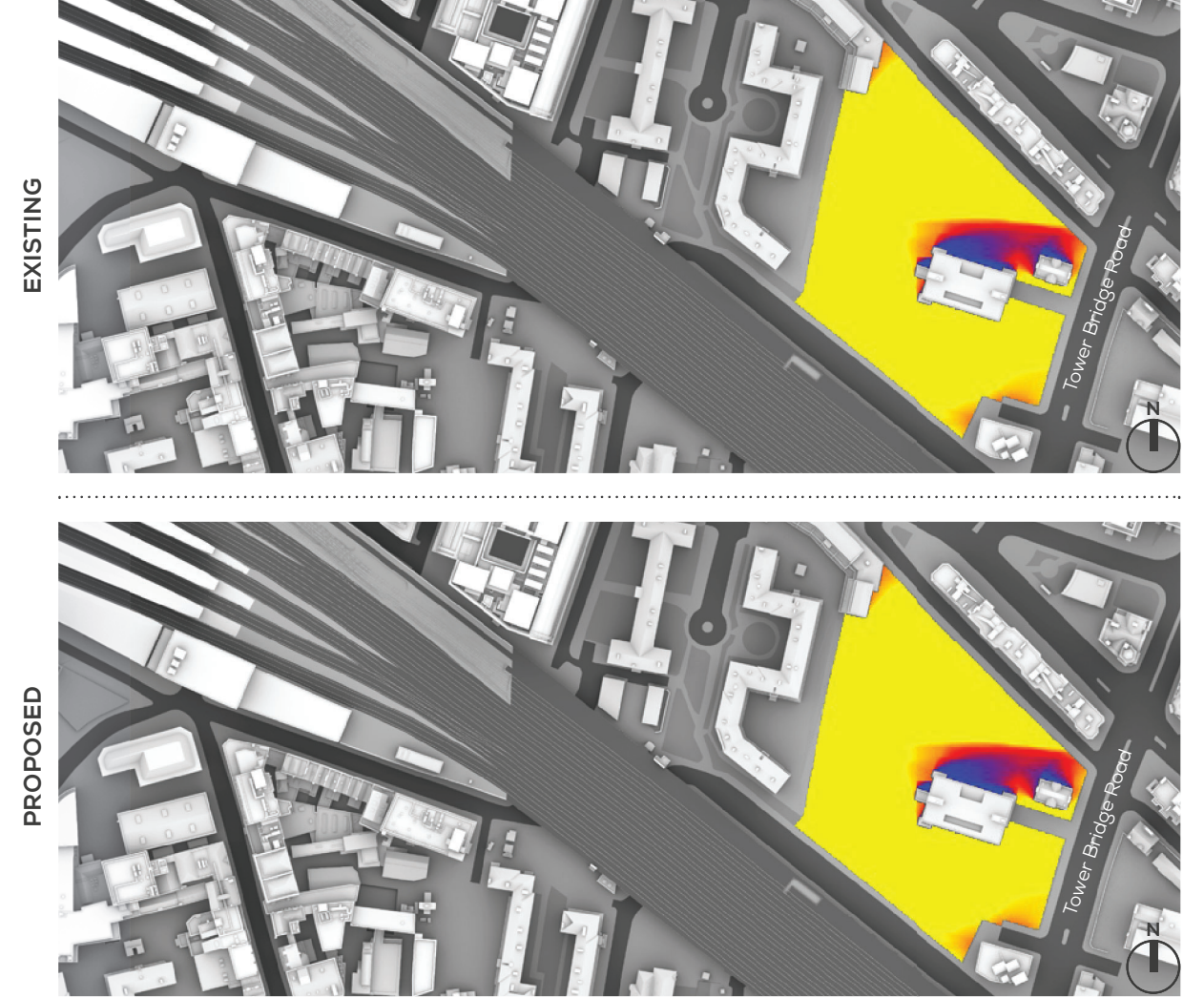


Area receiving at least 2 hours of direct  
sunlight on 21<sup>st</sup> March

SUN HOURS ON GROUND - BRE COMPLIANCE - 21<sup>ST</sup> MARCH



OVERSHADOWING ASSESSMENT  
ST. JOHN'S CHURCH PARK  
SUNLIGHT EXPOSURE - 21<sup>ST</sup> MARCH

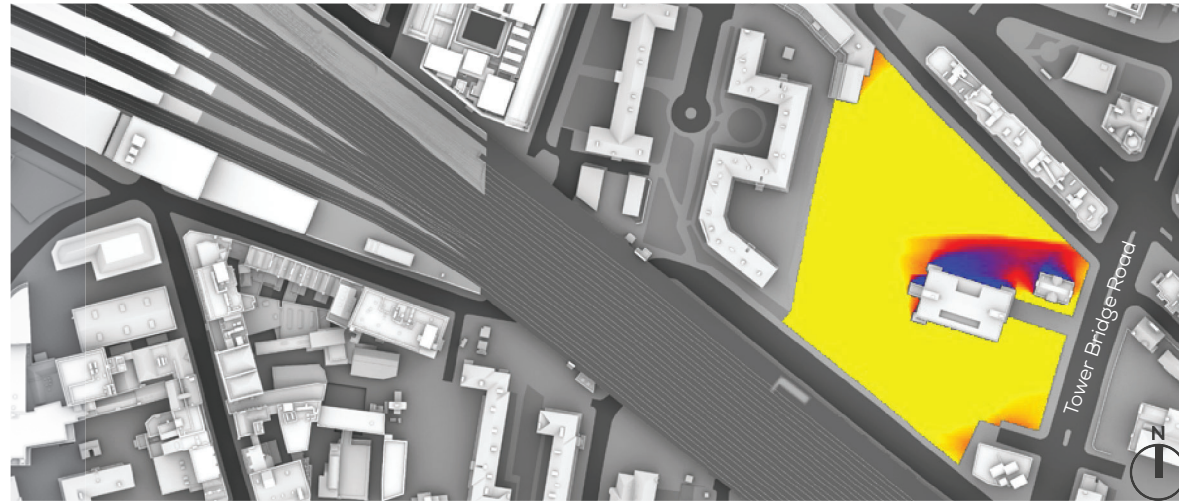


21<sup>ST</sup> MARCH  
(SPRING EQUINOX)

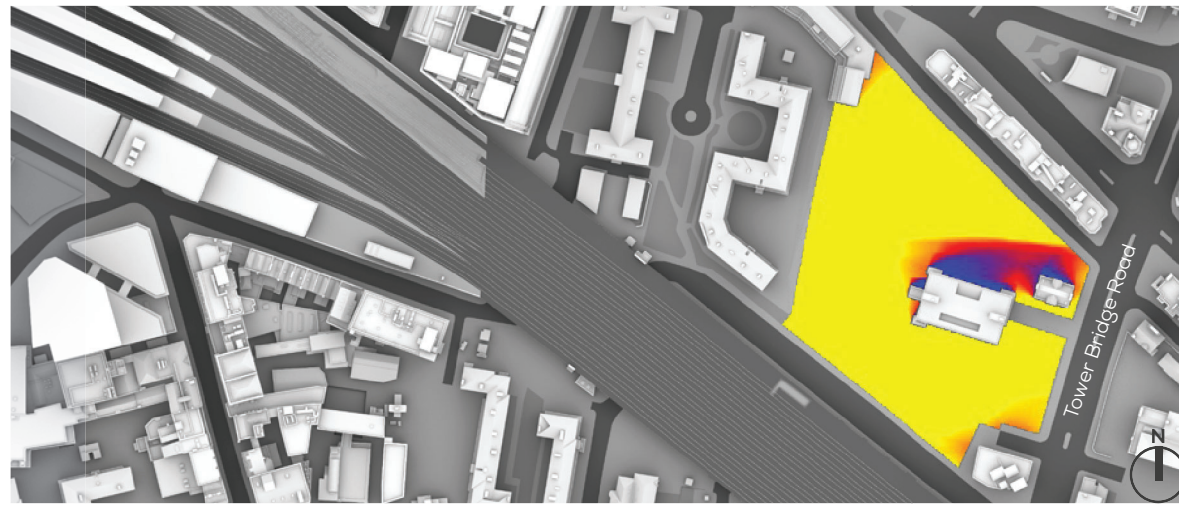
**Total Available Sunlight:**  
12hrs 12mins

SUNLIGHT EXPOSURE - 21<sup>ST</sup> MARCH

CUMULATIVE A

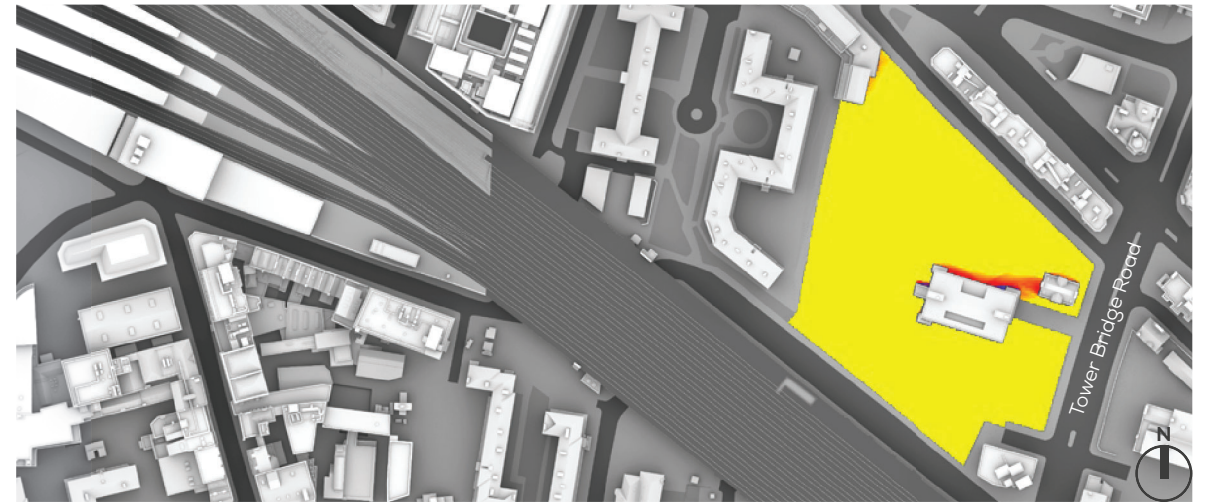


CUMULATIVE B

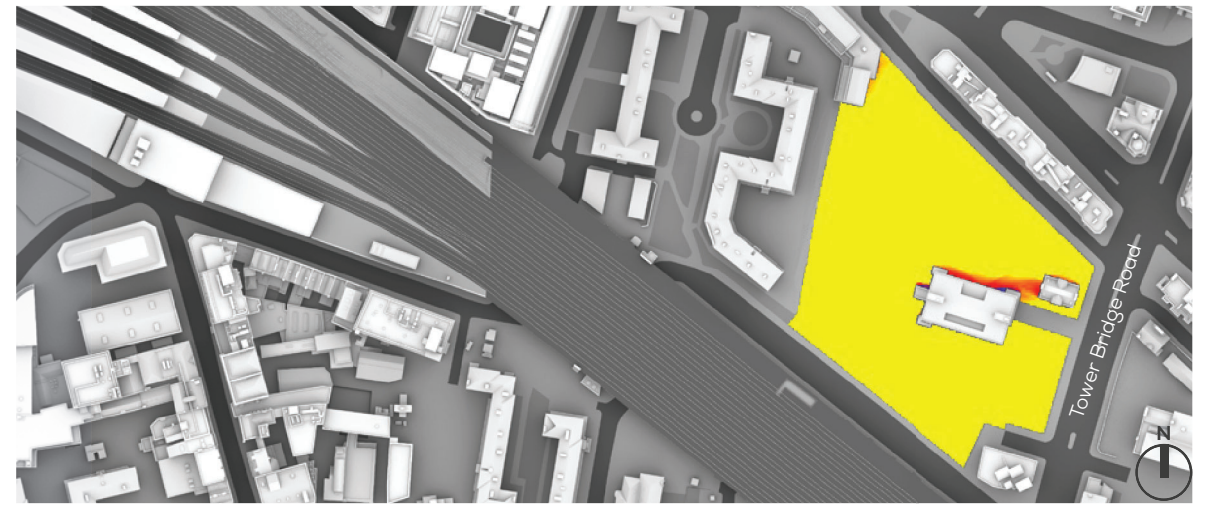


OVERSHADOWING ASSESSMENT  
ST. JOHN'S CHURCH PARK  
SUNLIGHT EXPOSURE - 21<sup>ST</sup> JUNE

EXISTING



PROPOSED



SUN EXPOSURE  
TOTAL HOURS

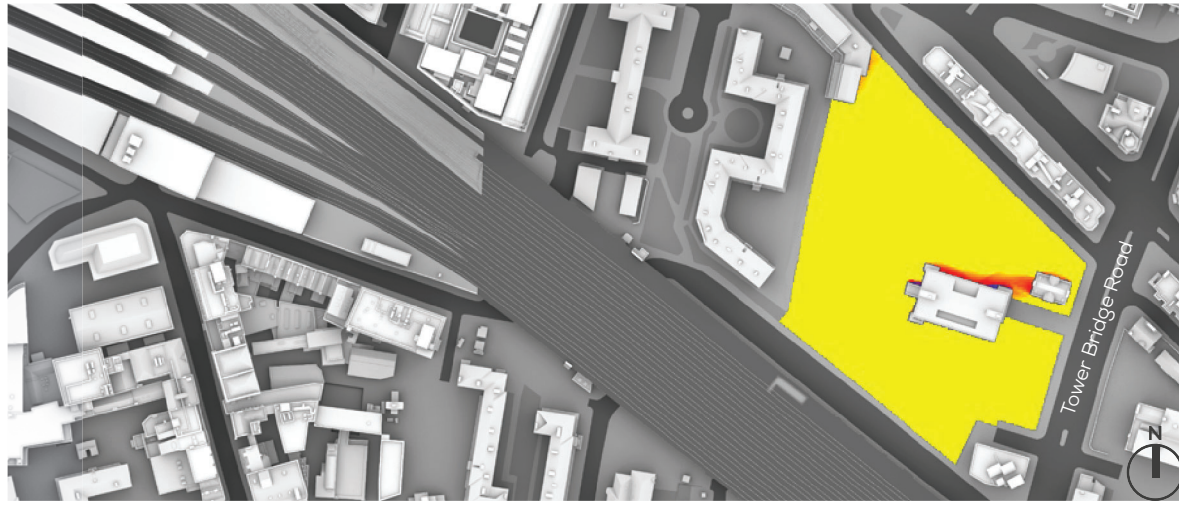


21<sup>ST</sup> JUNE  
(SUMMER SOLSTICE)

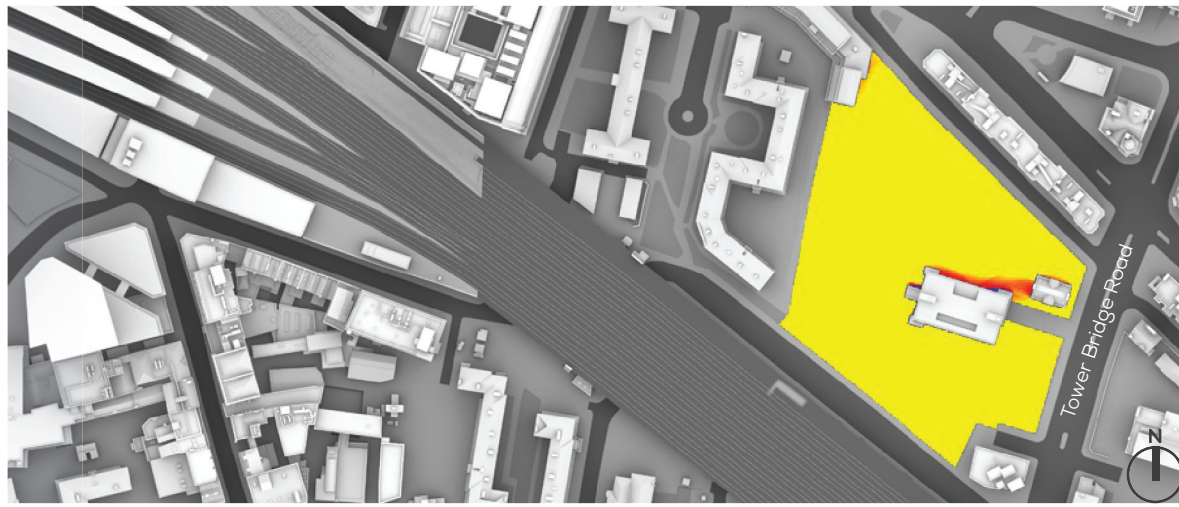
**Total Available Sunlight:**  
16hrs 38mins

SUNLIGHT EXPOSURE - 21<sup>ST</sup> JUNE

CUMULATIVE A



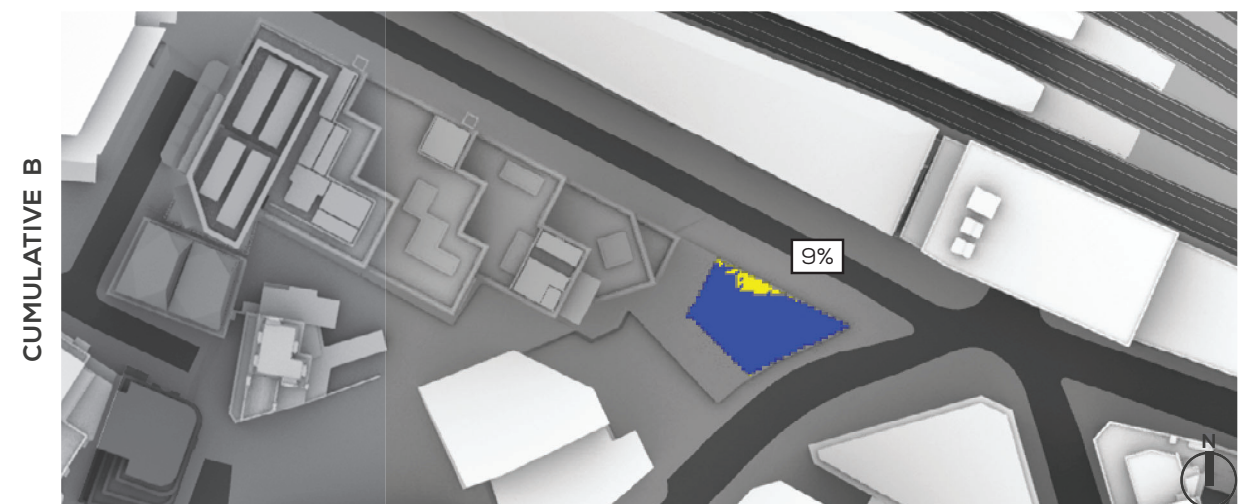
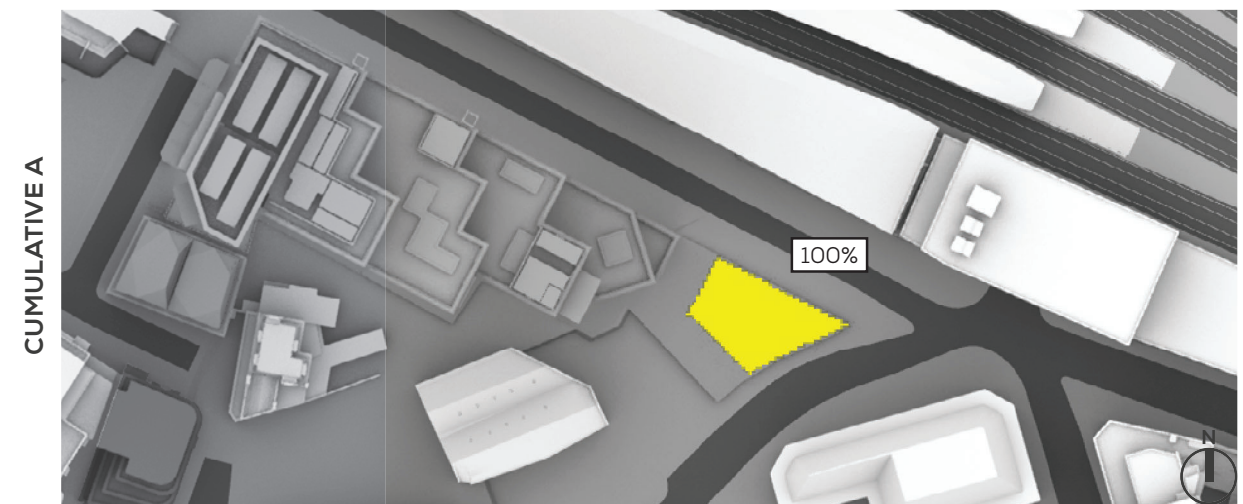
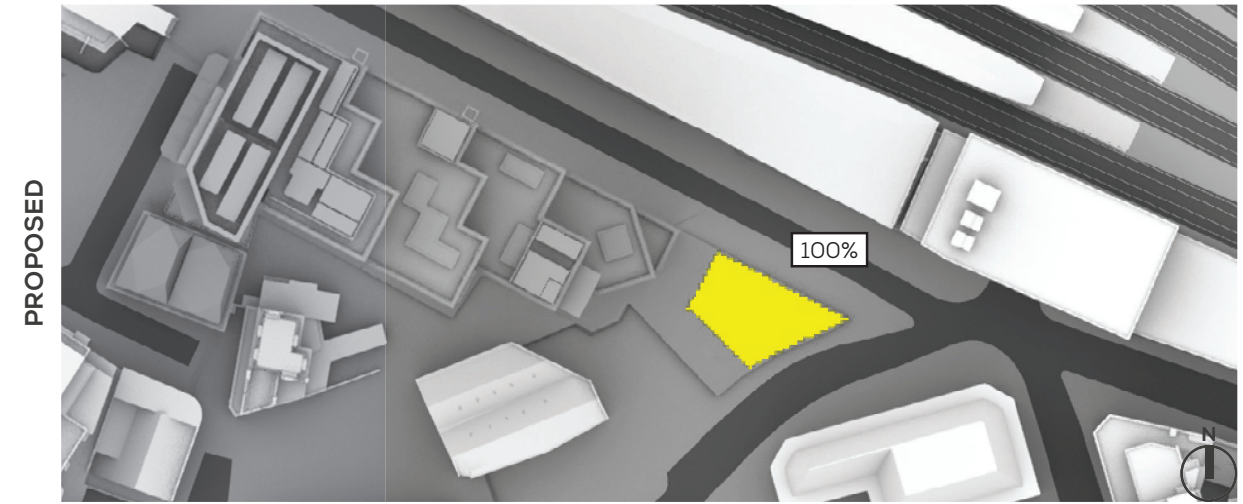
CUMULATIVE B



# SUN HOURS ON GROUND ASSESSMENT

Amenity within the site

## OVERSHADOWING ASSESSMENT PROPOSED AMENITY AREA - COMMUNAL GARDEN SUN HOURS ON GROUND - BRE COMPLIANCE - 21<sup>ST</sup> MARCH

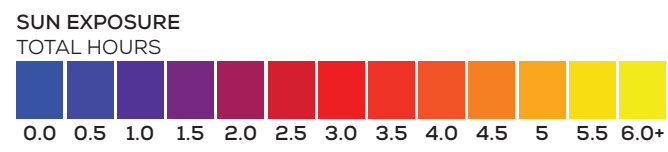
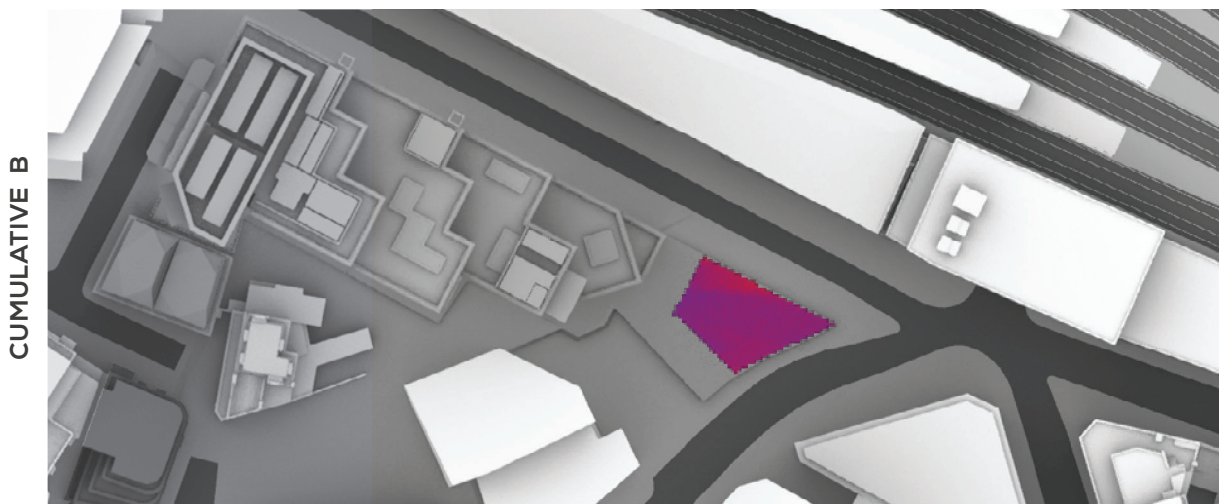
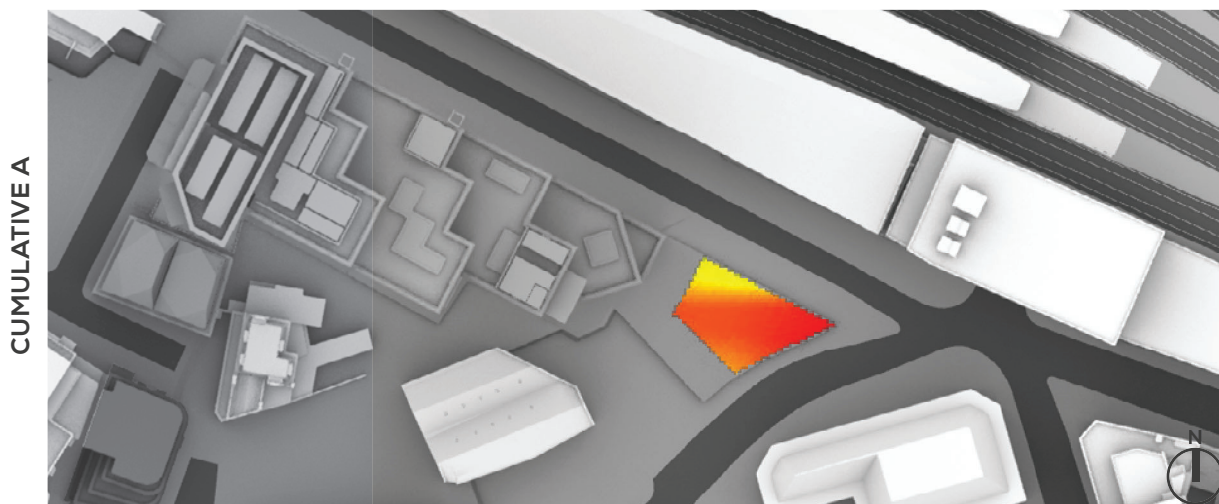
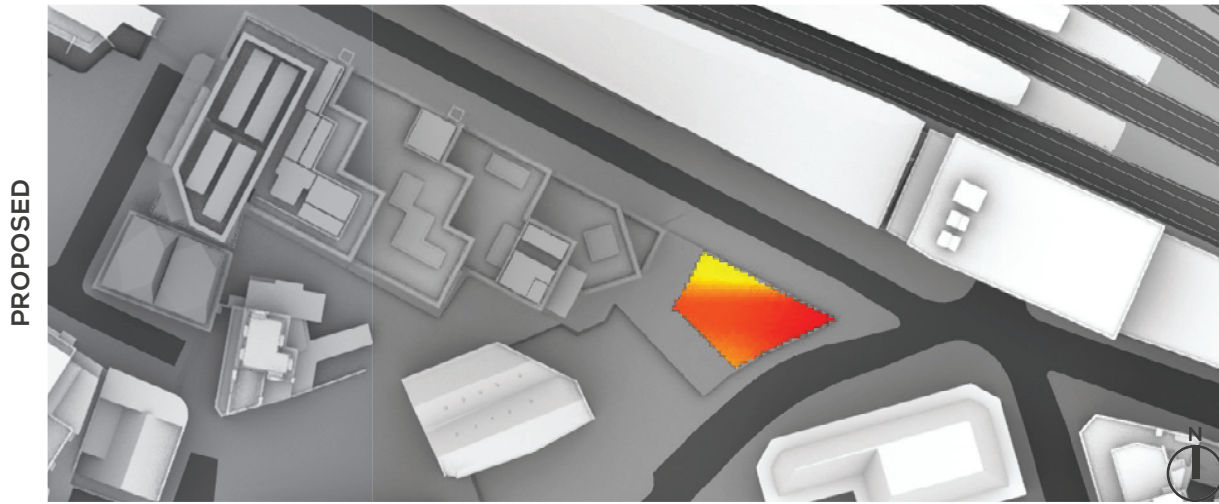


SUN HOURS ON GROUND  
BRE TEST - 21<sup>ST</sup> MARCH



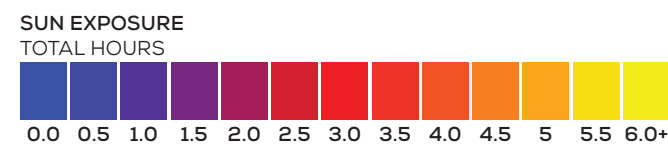
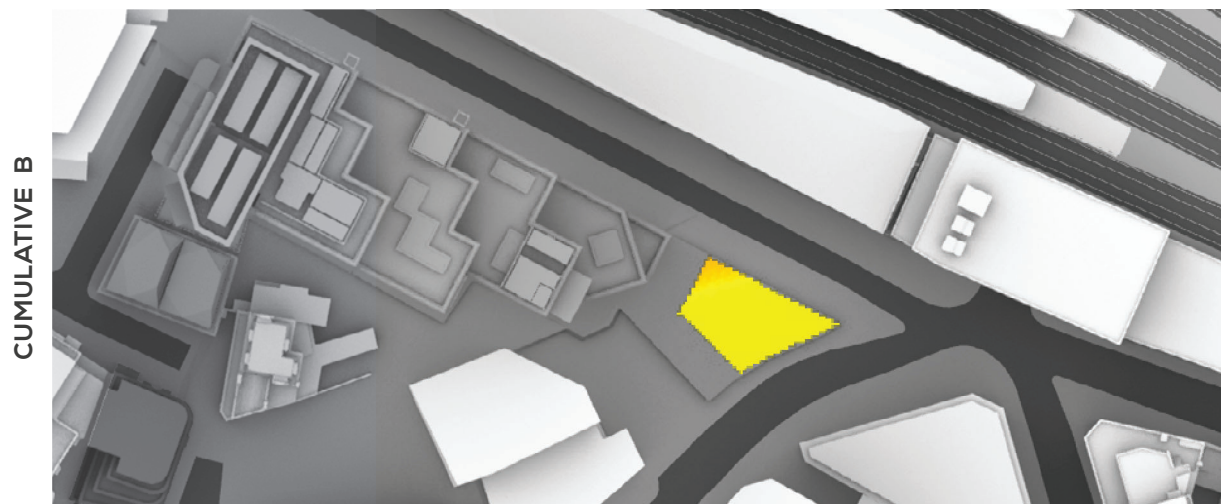
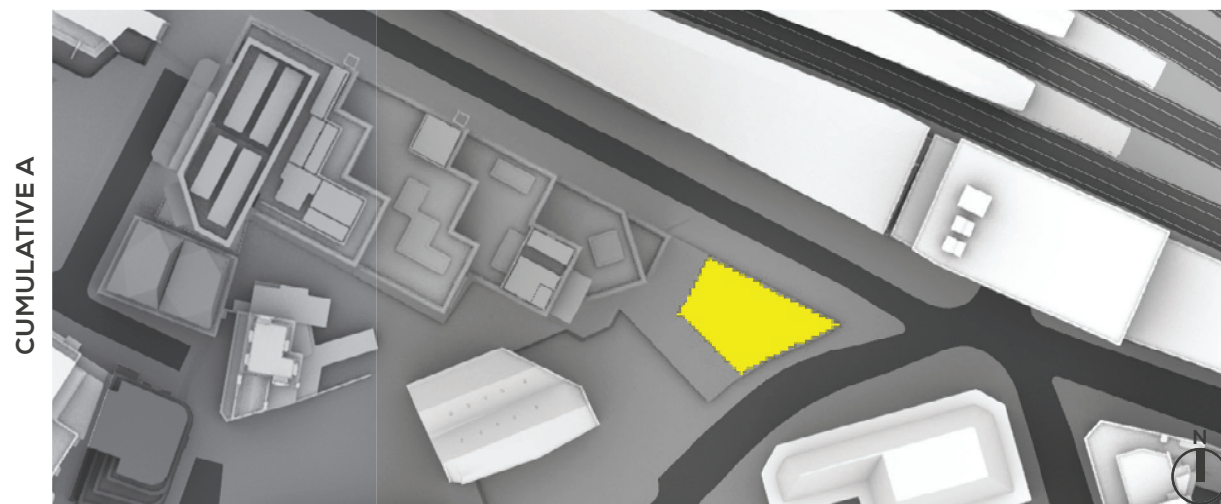
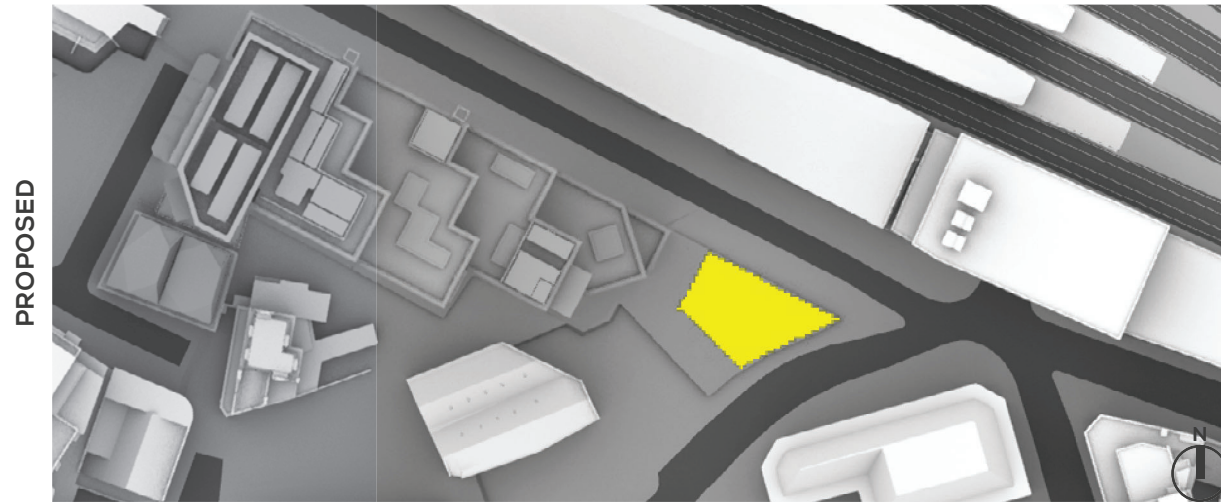
Area receiving at least 2 hours of direct  
sunlight on 21<sup>st</sup> March

OVERSHADOWING ASSESSMENT  
 PROPOSED AMENITY AREA - COMMUNAL GARDEN  
 SUNLIGHT EXPOSURE - 21<sup>ST</sup> MARCH



21<sup>ST</sup> MARCH  
 (SPRING EQUINOX)  
**Total Available Sunlight:**  
 12hrs 12mins

OVERSHADOWING ASSESSMENT  
 PROPOSED AMENITY AREA - COMMUNAL GARDEN  
 SUNLIGHT EXPOSURE - 21<sup>ST</sup> JUNE



21<sup>ST</sup> JUNE  
 (SUMMER SOLSTICE)  
**Total Available Sunlight:**  
 16hrs 38mins

**ADDRESS**

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**gia**

# Appendix: Daylight, Sunlight, Overshadowing, Solar Glare and Light Pollution

Annex 1: Legislative and Planning Policy Context

Annex 2: Assessment Methodology

Annex 3: Drawings

Annex 4: Daylight and Sunlight Impact Assessment

Annex 5: Overshadowing Assessment

**Annex 6: Solar Glare Assessment**

Annex 7: Light Pollution Assessment



# DAYLIGHT & SUNLIGHT

## SOLAR GLARE ASSESSMENT

Vinegar Yard

20 November 2020  
GIA No: 10732



### PROJECT DATA:

Client **CIT**  
Architect **KPF**  
Project Title **Vinegar Yard**  
Project Number **10732**

### REPORT DATA:

Report Title **Solar Glare Assessment**  
GIA Department **Daylight & Sunlight**  
Dated **20 November 2020**

Prepared by **ERLA**  
Checked by **NC**  
Type **EIA Appendix**

Revisions	No:	Date:	Notes:	Signed:

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Release Number **Rel\_29\_10732\_DSD**  
Issue Number **06**  
Site Photos **GIA**  
3D models **VERTEX**  
OS Data **FIND Maps**



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5 SOLAR GLARE ASSESSMENTS	12

## 1 INTRODUCTION

GIA have assessed the proposed scheme in order to ascertain whether solar reflections given off the proposed building's facade will be visible from sensitive viewpoints which may affect road users and train drivers.

### 1.1 GLARE

Glare is a phenomenon occurring in the eye that is caused by the presence of bright light sources within the visual field. It can lead to visual discomfort and, if the glare source is very bright compared to its surrounding, even be disabling in the sense that objects become hard or impossible to see. This is because they are cloaked by the high intensity glare source, whose light gets scattered within the eye.

The CIE 146:2002 Collection on Glare expresses the latter type of glare more formally as:

*"Disability glare is glare that impairs vision (CIE, 1987). It is caused by scattering of light inside the eye [...]. The veiling luminance of scattered light will have a significant effect on visibility when intense light sources are present in the peripheral visual field and the contrast of objects to be seen is low."*

*"Disability glare is most often of importance at night when contrast sensitivity is low and there may well be one or more bright light sources near to the line of sight, such as car headlights, streetlights or floodlights. But even in daylight conditions disability glare may be of practical significance: think of traffic lights when the sun is close to them, or the difficulty viewing paintings hanging next to windows."*

Glare is of particular concern if it affects drivers of motor vehicles or trains, since it might impair the visibility of signals and traffic signs, potentially putting the driver, passengers or other parties at risk.

### 1.2 GLARE FROM REFLECTED SUNLIGHT

Whether or not a sun reflection will cause an instance of glare depends upon a number of factors, these are summarised below:

- The location of the observer and his view direction;
- The sun's position in the sky, which changes not only with the hour of the day, but with the seasons too;
- The location and orientation of the reflective surface, e.g. a glazed facade, in relation to the observer's view direction;
- The specific quality of the reflective surface, e.g. sheen, specularity, etc.;
- The observer's physiology, e.g. age and eye pigmentation; and
- The background brightness defining the state of adaptation in the observer's eye;

This final point is an important one as the same brightness which could cause glare against a dark background may be perfectly acceptable when looked against a light one. A typical example of adaptation is illustrated in Fig. 01 and Fig. 02 where the same headlights cause glare at night whereas they do not during daytime hours.

Understanding whether solar glare is likely to occur is based on the observer's position and view direction. Given the transitory nature of the phenomenon, due to the sun's constant movement, any glare assessment should be carried out for a number of representative locations and view directions.

Such studies are often carried out with the help of sun path protractors, as depicted in Fig. 03 opposite, or with the aid of a full 3 dimensional computer simulation.

When a large number of locations need to be looked at, studies involving solar protractors become rather impractical. Computer software allows multiple view points to be assessed with greater ease so that it has even become feasible to render video sequences showing when and where reflections may become an issue.

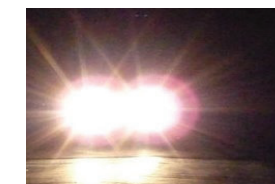


Fig. 01: Headlights at night

Fig. 02: Headlights during day

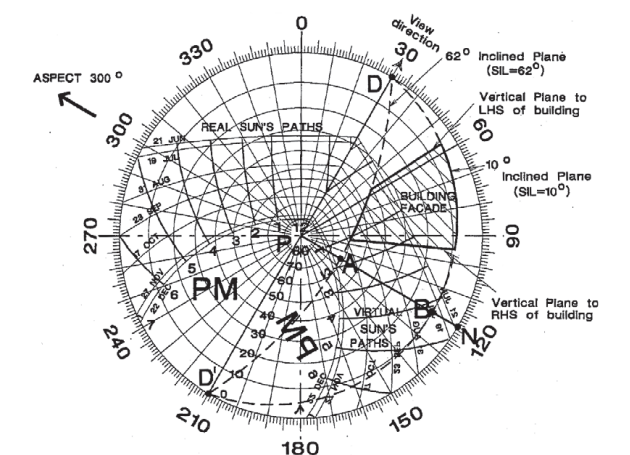


Fig. 03: Hassall's Protractor

## 2 GIA'S APPROACH

Following the guidance documents referenced above, GIA have developed specialised computer software in order to undertake reflected glare assessments.

### 1.3 EXISTING GUIDANCE

In the UK, guidance that is relevant to glare assessments is limited to a short section in Littlefair's Site Layout Planning for Daylight and Sunlight published by the BRE in 2011. This document is commonly referred to as BR 209. It suggests that:

*"If it is likely that a building may cause solar dazzle the exact scale of the problem should be evaluated. This is done by identifying key locations such as road junctions and windows of nearby buildings, and working out the number of hours of the year that sunlight can be reflected to these points. BRE Information Paper IP 3/87 gives details."*

BR IP3/87 provides more detailed instructions on why and how solar dazzle can be calculated:

*"Glare or dazzle can occur when sunlight is reflected from a glazed facade. For vertical facades this problem usually occurs only when the sun is low in the sky; but some types of modern design incorporate sloping glazed facades which can, under certain circumstances, reflect unwanted high altitude sunlight into the eyes of motorists, pedestrians and people in nearby buildings."*

Both BR 209 and BR IP3/87 only deal with geometrical considerations of glare by identifying when and where reflections occur. However, neither pieces of guidance suggest any threshold values above which reflected sunlight may give rise to an instance of glare. That such a threshold exists in theory becomes clear from the guidance in BR 209:

*"... Substituting clear or absorbing glass for reflective glass can also help although sometimes even clear glass may cause reflected glare if, eg, a motorist has the reflected sun close to the centre of their line of sight."*

Recommendations on acceptable limits for solar glare is equally sparse in other countries. The only document dealing with the subject is Hassall's Dealing with Rogue Solar Reflections from 1996. Although published in Australia, the theory, methodology and recommendations it introduced are equally applicable in other countries such as the UK.

The severity of glare can be calculated as the equivalent veiling luminance which is caused by the excess light being scattered in the eye thereby

creating a 'veil' through which objects are seen. If the brightness of the veil is sufficiently high compared to that of the actual object, the latter becomes less visible. In very severe cases of disability glare, the object cannot be seen at all.

The veiling luminance can be calculated with a simple empirical formula first proposed by Holladay:

$$L_{seq} [cd/m^2] = K * E_{gl} / Q^n < \text{threshold}$$

The Holladay glare formula depends on four variables, namely:

- **K**, which is a factor accounting for the observer's sensitivity to glare (eg. age);
- **E<sub>gl</sub>**, which is the illuminance from the glare source, measured at the eye of the observer;
- **Q**, the angle between the line of sight and the glare source;
- **n**, indicating the power with which Q affects the outcome;

An individual's sensitivity to glare is affected primarily by age. We used a K factor of 17.5 in our calculations, which represents a 65-year old driver.

According to CIE 146:2002, the n power in Holladay's equation has three angular domains:

- Q3 for angles between 0.1° and 1°;
- Q2 for angles between 1° and 30°; and
- Q for angles beyond 30°;

This angular dependency means that a glare source close to the object being looked at has a much more severe impact upon the visibility of that object than a glare source at the periphery of the observer's visual field.

As stated in CIE 146:2002, occurrences at angles beyond 30° would be of little significance in most situations, but may be relevant in exceptional circumstances. When seated in a driving seat of a typical car, for example, the limits of the windscreen would generally obstruct the driver's view at angles beyond 30° from the line of sight. We have therefore adopted the 1° to 30° domain as a reference for our calculations.

Hassall in his paper proposes a threshold value of 500 cd/m<sup>2</sup>, which we have adopted as a threshold in our assessments.

The preparation of reflected solar glare assessments is based upon the approach described below, which entails:

- The construction of a three-dimensional computer model that includes the proposed building and its relevant setting;
- The physically accurate description of the reflective surface properties;
- Rendering of stills or video animations of the solar reflections;
- Masking the images to represent the human field of view; and
- Image analysis;

The individual steps of our work flow are further explained below.

### 1.1 3D COMPUTER MODELLING

Detailed geometry of the proposed building, specifically of its facade and glazing configuration is provided by the project architects either in 2d format i.e. plans, sections and elevation drawings, or 3d format as a computer model. The received information is processed by GIA and prepared for assessment with our proprietary software.

A computer model of the proposed building's context is built from high resolution stereoscopic aerial photographs, examples of which are shown in Fig. 04 and Fig. 05.

This includes rail tracks, sleepers, gantries and signals as well as relevant neighbouring buildings. An example is provided in Fig. 06.

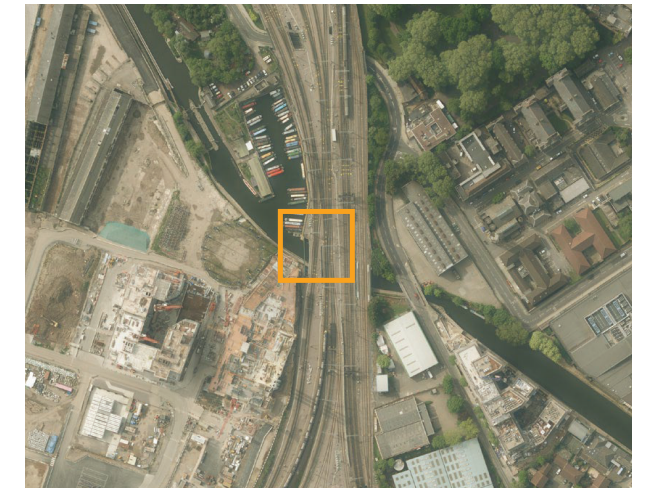


Fig. 04: High-resolution aerial photograph



Fig. 05: High-resolution aerial photograph (close-up)



Fig. 06: Computer model of train tracks & signals from photogrammetry

### 3 METHODOLOGY

#### 2.1 REFLECTIVE SURFACE PROPERTIES

In order to undertake the glare studies it is necessary to acquire physically accurate computer representations of all materials that have the potential of specularly reflecting sunlight, thereby becoming sources of glare. Such materials would include all vertical or sloped glazing, but also certain facade materials such as metal cladding or glazed building tiles.

Diffuse surface reflectance values and object colours can be measured relatively easily however, the same cannot be said of their specular characteristics. These parameters are very hard to estimate yet critical for the study of glare. It is therefore best practice to have samples of the glazing or cladding materials studied in specialised optical laboratories. An example of such a data set is given in Fig. 07. It shows the angular dependency of the reflective properties of a glazed cladding tile.

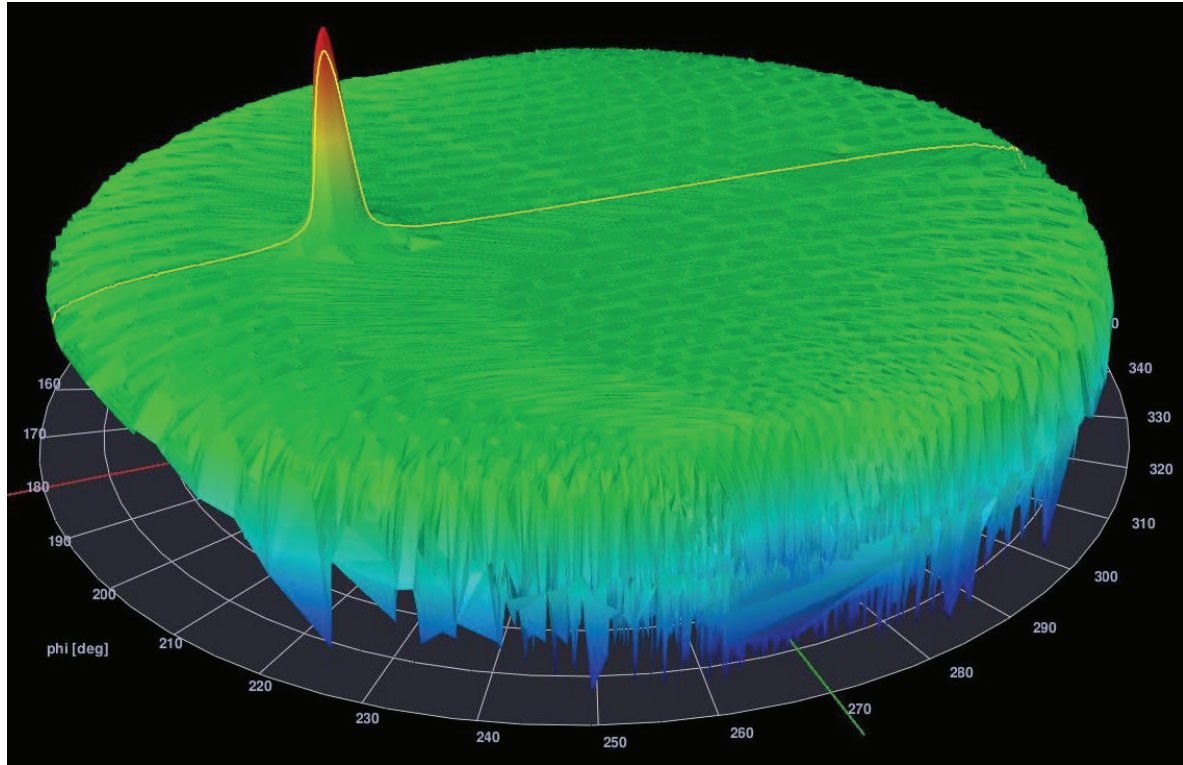


Fig. 07: Reflective properties measurement of a glazed tile

The methodology described below is not aimed at addressing the intensity of an instance of reflected solar glare, but its occurrence and duration throughout the year and the location of this occurrence in respect of a driver's line of sight.

This will inform the necessity of implementing mitigations at either early or detailed design stage.

For this purpose the glazed facade of the proposed development is assumed to have the same properties of a mirror i.e. it is fully reflective and all of its reflected component is specular. This therefore portrays a worst-case scenario.

The potential for reflected solar glare or dazzle from the glazed or reflective façades of the development are assessed using specialist lighting software.

Potentially sensitive viewpoints around the site are selected. These viewpoints representing locations where reflected solar glare may cause adverse impacts to those travelling towards the development, such as road users or train drivers. The viewpoints are generally located at the minimum stopping distance and at the driver's eye height. The focal point is a relevant traffic element, such as signals or incoming traffic.

The stopping distance is calculated as the combination of thinking and breaking distances  $D_{total} = D_{thinking} + D_{breaking} = V \cdot T + V^2 / (2\mu \cdot g)$ , where each component is:

V = Relevant vehicle speed, typically the road speed limit.

T = Thinking time (0.67 sec)

$\mu$  = Breaking effort (considered 0.65 for cars, 0.5 for buses and 0.031 for trains)

#### Typical Stopping Distances

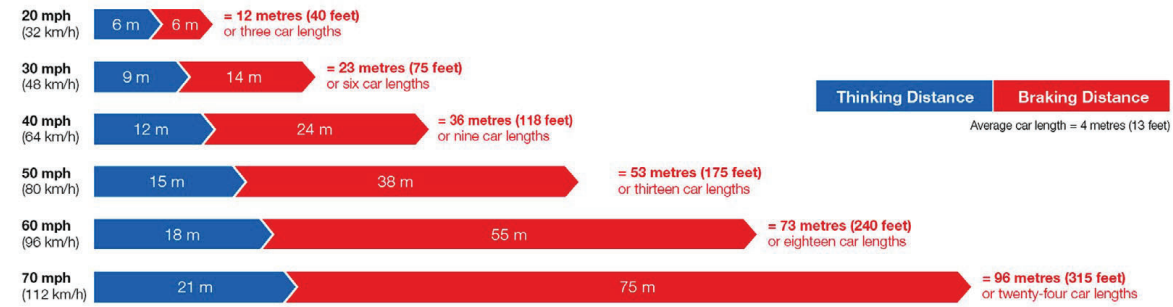


Fig. 08: Typical car stopping distances for various speed limits

g = Gravity acceleration.

The height of the viewpoint is considered to be 1.5 m for cars, 2.0 m for busses and 2.5 m for trains.

i.e. A viewpoint for car driving at 30 mph would be placed at 23 m (see Figure 4) from a traffic light and at 1.5 m above the ground.

#### 2.2 FIELD OF VIEW

"The field of view (also field of vision) is the angular extent of the observable world that is seen at any given moment."

"Different animals have different fields of view, depending on the placement of the eyes. Humans have an almost 180-degree forward-facing field of view[...]"

([http://en.wikipedia.org/wiki/Field\\_of\\_view](http://en.wikipedia.org/wiki/Field_of_view))

"The normal human visual field extends to approximately 60° nasally (toward the nose, or inward) in each eye, to 100° temporally (away from the nose, or outwards), and approximately 60° above and 75° below the horizontal meridian. In the United Kingdom, the minimum field requirement for driving is 60° either side of the vertical meridian, and 20° above and below horizontal. The macula corresponds to the central 13° of the visual field; the fovea to the central 3°."

([http://en.wikipedia.org/wiki/Visual\\_field](http://en.wikipedia.org/wiki/Visual_field))

"The fovea centralis, also generally known as the fovea, is a part of the eye, located in the center of the macula region of the retina. The fovea is responsible for sharp central vision (also called foveal vision), which is necessary in humans for reading, watching

television or movies, driving, and any activity where visual detail is of primary importance.”

([http://en.wikipedia.org/wiki/Fovea\\_centralis\\_in\\_macula](http://en.wikipedia.org/wiki/Fovea_centralis_in_macula))

### 2.3 RENDERING OF STILLS AND VIDEO ANIMATIONS

As mentioned above, glare is a phenomenon that depends on the observer’s location, but also on his view direction. In the case of a train driver the view direction is defined by the rail tracks. UK recommendations set the eye level of the driver at 2.75 m above the rails. The view point is centred between the tracks for ease of reference. Although train drivers sit slightly to the left within the cabin, this bears no material effect on the analysis of the images as the signals are visible at a distance of hundreds of metres at which point the slight shift in the cabin equates to a very small angular change. Fig. 09 shows the typical set up of our viewpoints. Actual trains and driver’s cabin are not included in our 3d computer model.

Individual virtual cameras located accordingly in our 3d computer model are spaced between 1 and 3m apart in the direction of travel. Before the stills are compiled into video clips, a human field of view mask is overlaid onto them in order to define the angular distance between the instance of reflection and the observer’s line of sight.

This procedure allows for the assessment of entire stretches of railway tracks providing a complete overview of potential risks as well as information about signal sighting.

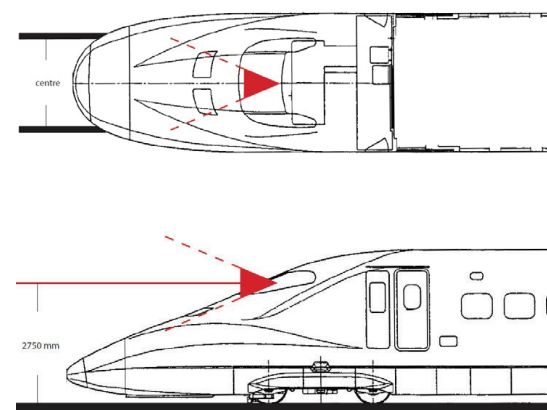


Fig. 09: Driver Viewpoint

### 2.4 IMAGE ANALYSIS

The assessment shows the path of the sun for the entire year around the development. Two computer generated angular images are produced for each selected viewpoint, indicating the area which sees the reflection of the sunpath at any point during the year. A modified diagram portraying a standardised extent of human vision (Fig. 10) is then overlaid onto the image.

The image highlights the degrees of vision corresponding to the foveal view with a red circle of 3° of angle in order to identify the area most sensitive to reflected solar glare.

Another red circle represents the incidence of the 30° radius of our typical field of view in order to identify a secondary area of sensitivity to potential reflected glare instances.

As stated in the CIE 146:2002 occurrences at angles beyond 30° would be of little significance in most situations, but may be relevant in exceptional circumstances. When seated in a driving seat of a typical car, for example, the limits of the windscreen would generally obstruct the driver’s view at angles beyond 30° from the line of sight.

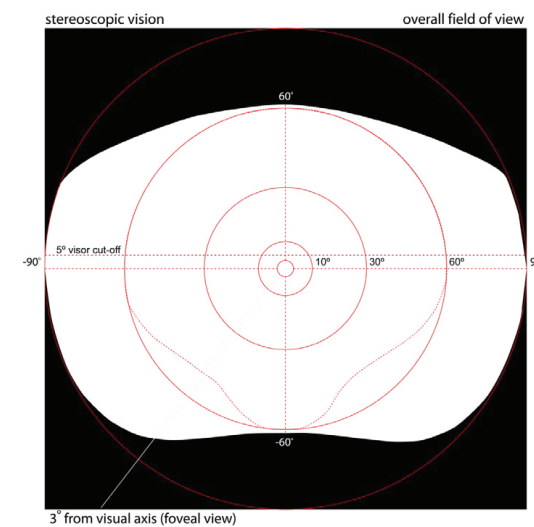


Fig. 10: Typical human field of view

### 3.1 LIMITATIONS

The methodology described above is not suitable to quantify the intensity of reflected solar glare. Wherever the potential for reflected solar glare is identified it should be assumed that its intensity is sufficient to cause nuisance and thus mitigating measures ought to be investigated.

Although great care is taken in identifying typical viewpoints around a new development this does not guarantee that there are no further sensitive locations where reflected solar glare could present a particular risk. This assessment is based on the assumption that in an urban environment moving traffic represents the biggest risk factor and so viewpoints and focus points are selected accordingly.

For practical reasons the area of the assessment is limited to the vicinity of a new development. The occurrence of reflected solar glare at greater distances is not subject of this assessment.

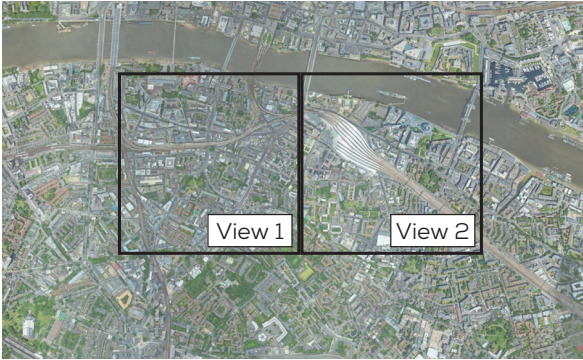
IMPORTANT: The hours shown in the diagrams and described in the text reflect solar time and therefore do not take Daylight Saving Hours into account.

# 4 SCENARIO OVERVIEW



Fig. 11: View 1: Site Plan - Viewpoints

- Building visible from the viewpoint
- Building NOT visible from the viewpoint or visible beyond 30° of the driver's line of sight



# 5 SOLAR GLARE ASSESSMENTS

The following pages present our Stage 1 Assessment results



Fig. 12: View 2: Site Plan - Viewpoints

- Building visible from the viewpoint
- Building NOT visible from the viewpoint or visible beyond 30° of the driver's line of sight

## 60° FIELD OF VIEW: TIME OF DAY VIEWPOINT W2

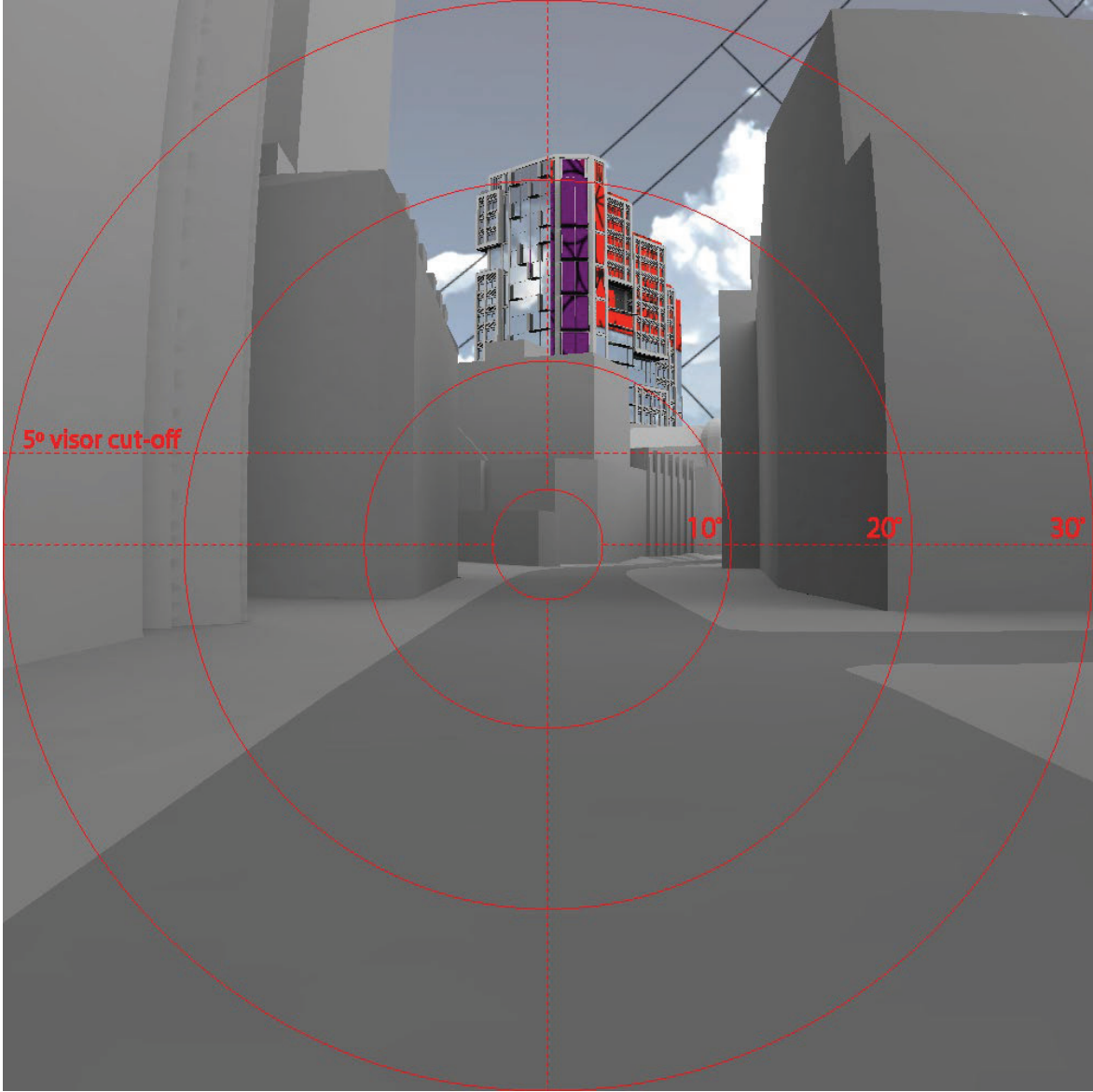


Fig. 13: Solar reflections



60° FIELD OF VIEW: SEASON  
VIEWPOINT W2

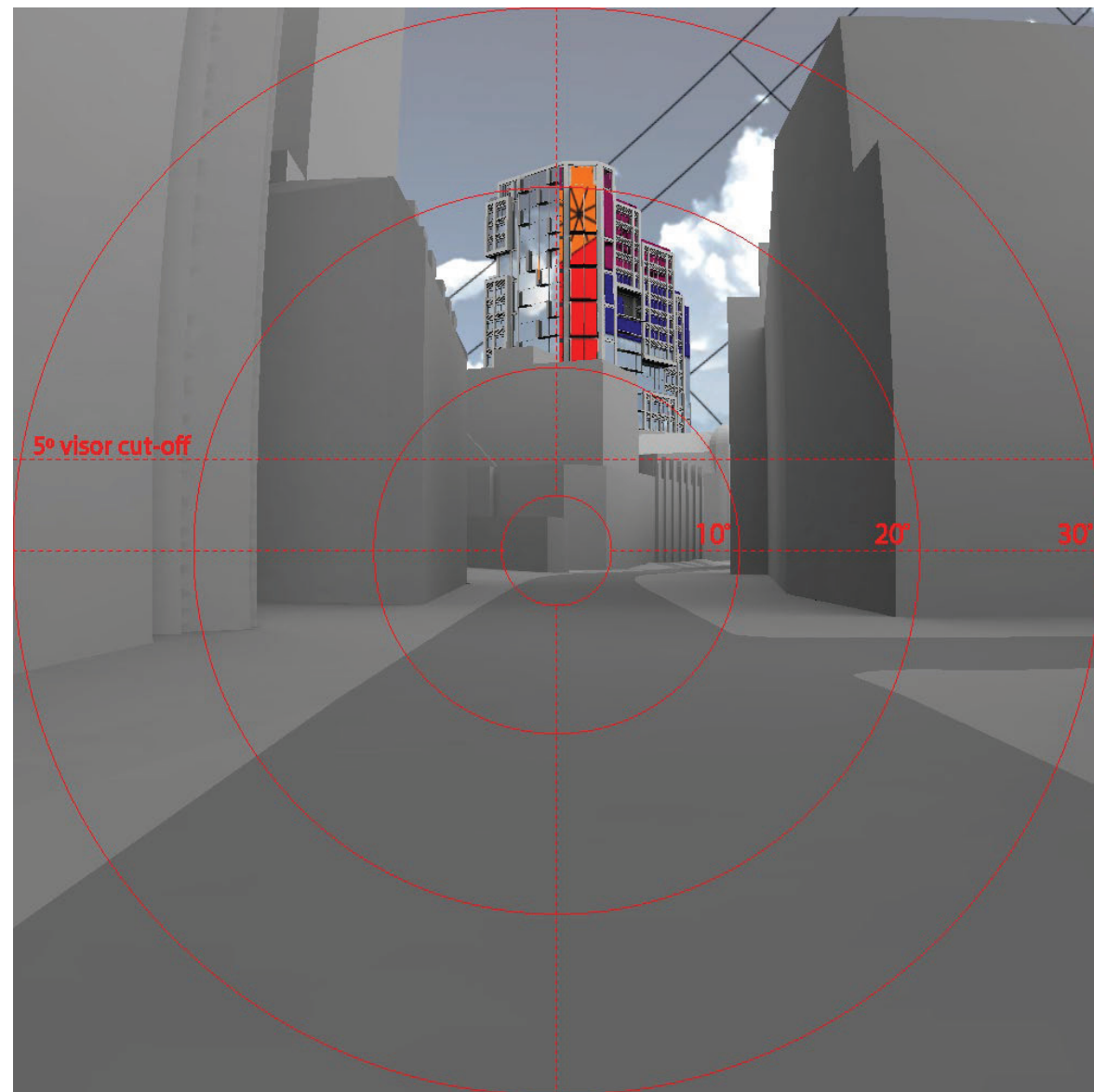


Fig. 14: Solar reflections



60° FIELD OF VIEW: TIME OF DAY  
VIEWPOINT E1A - TRAFFIC LIGHT

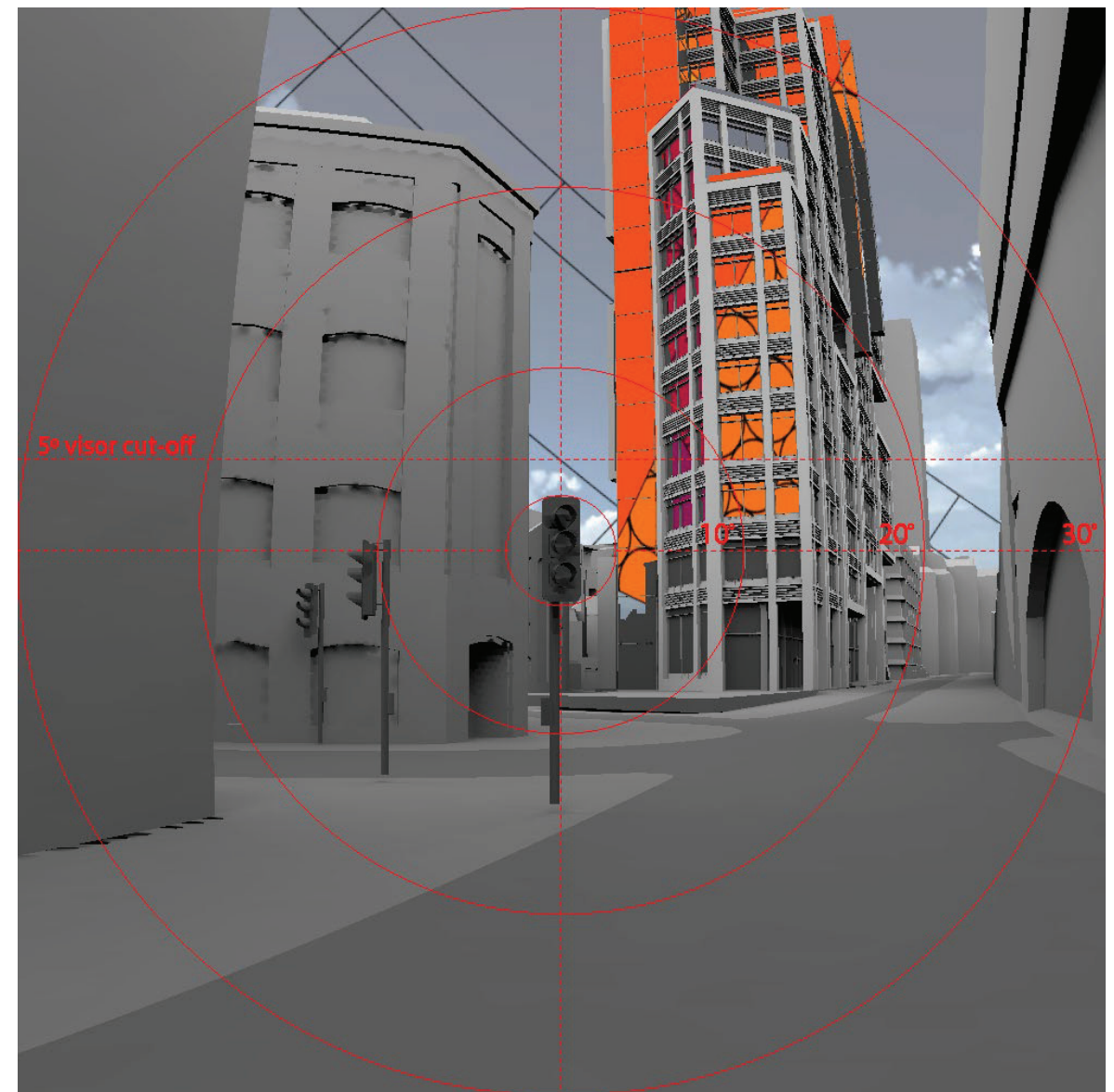
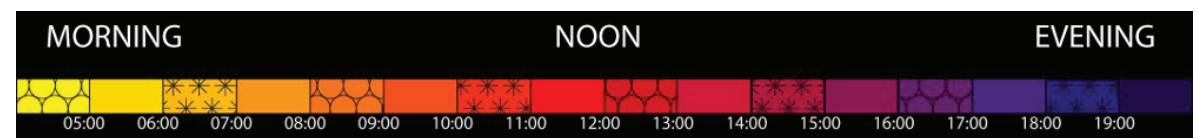


Fig. 15: Solar reflections



60° FIELD OF VIEW: SEASON  
VIEWPOINT E1A - TRAFFIC LIGHT

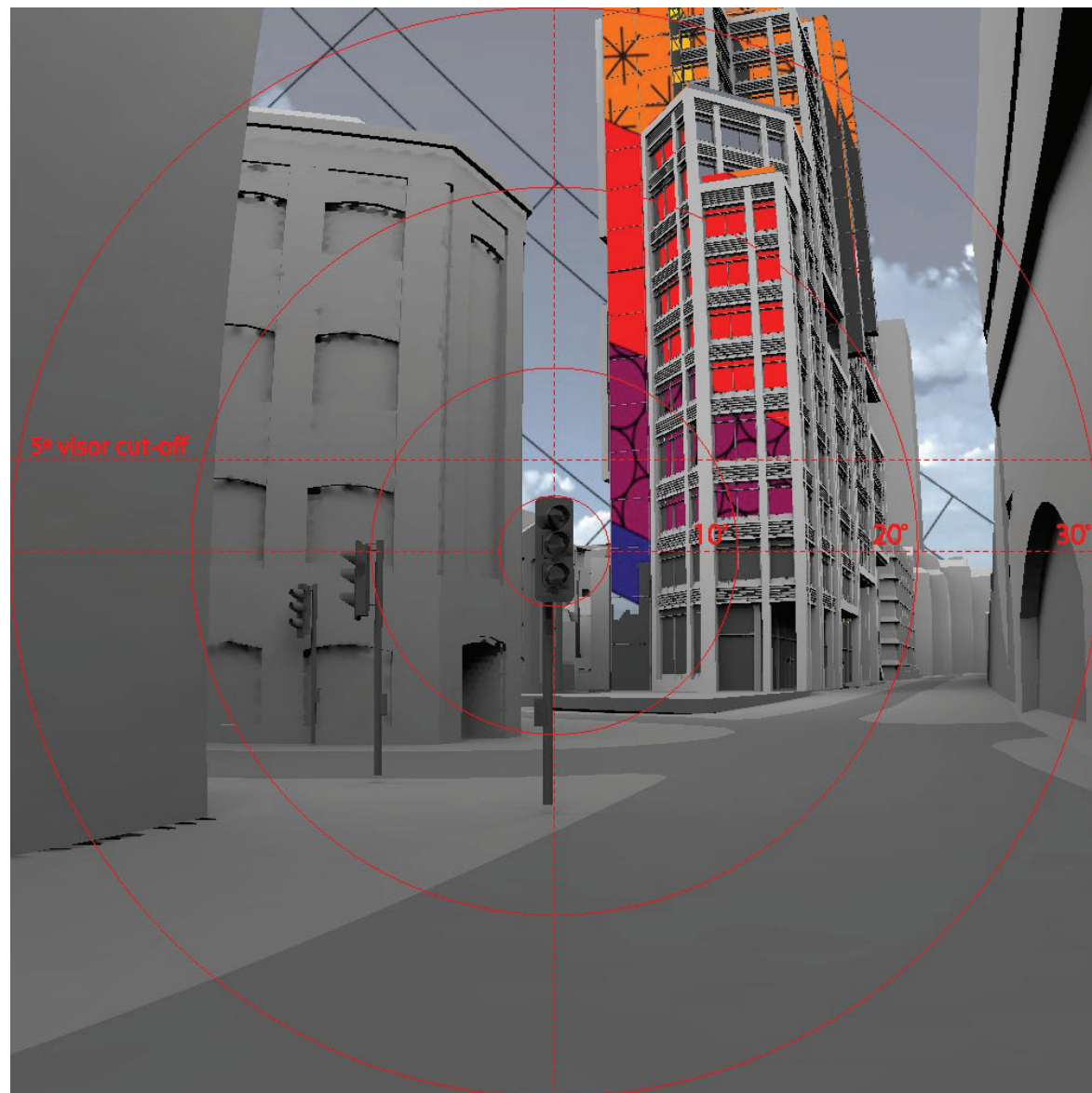


Fig. 16: Solar reflections



60° FIELD OF VIEW: TIME OF DAY  
VIEWPOINT E1B - TRAFFIC LIGHT

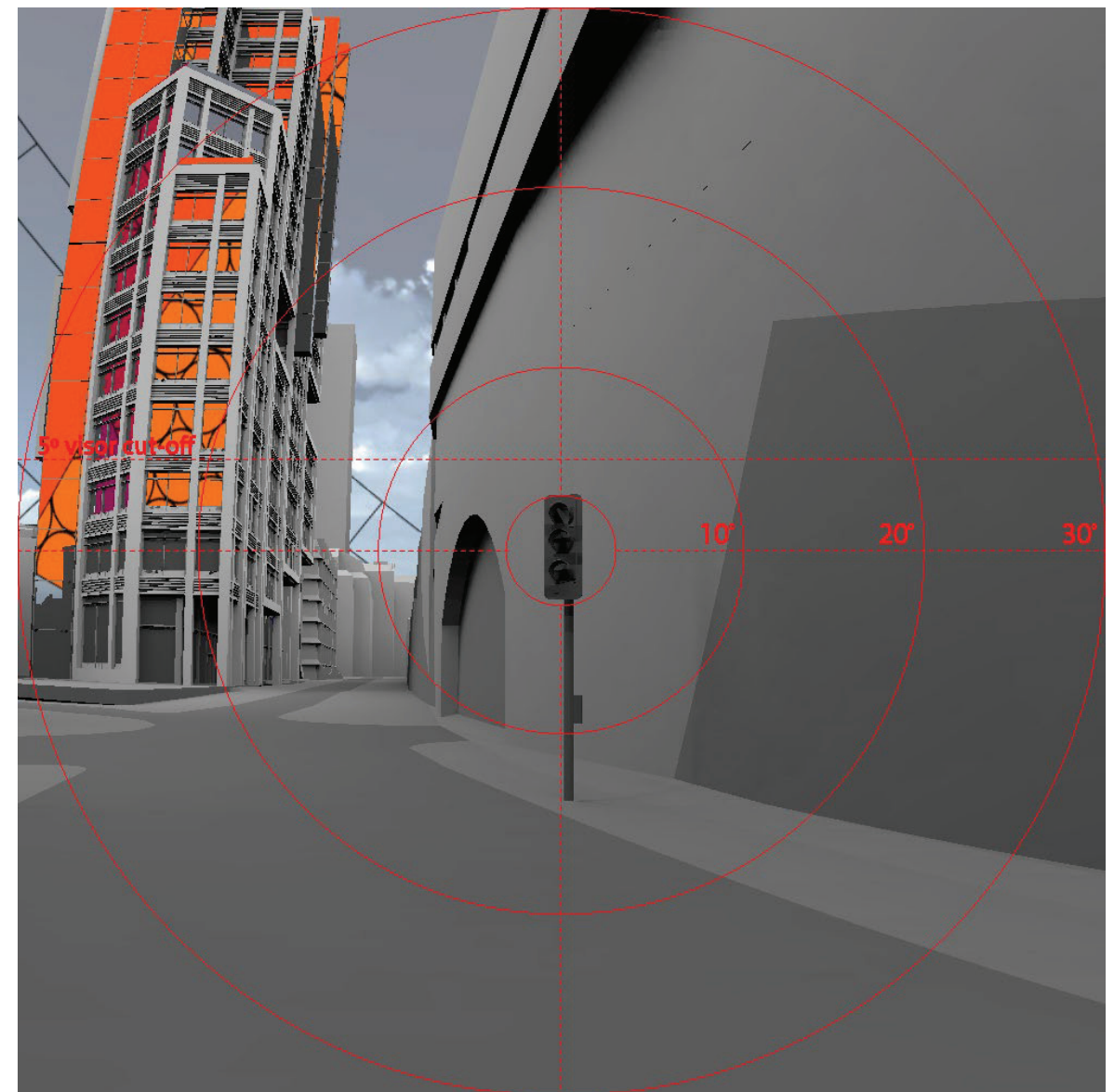
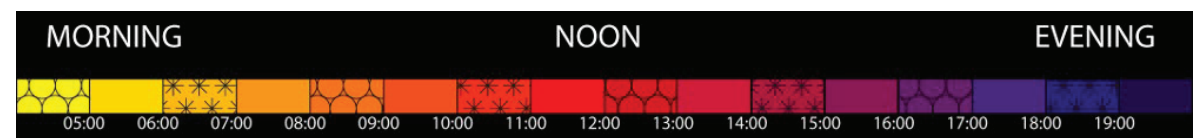


Fig. 17: Solar reflections



**60° FIELD OF VIEW: SEASON**  
VIEWPOINT E1B - TRAFFIC LIGHT

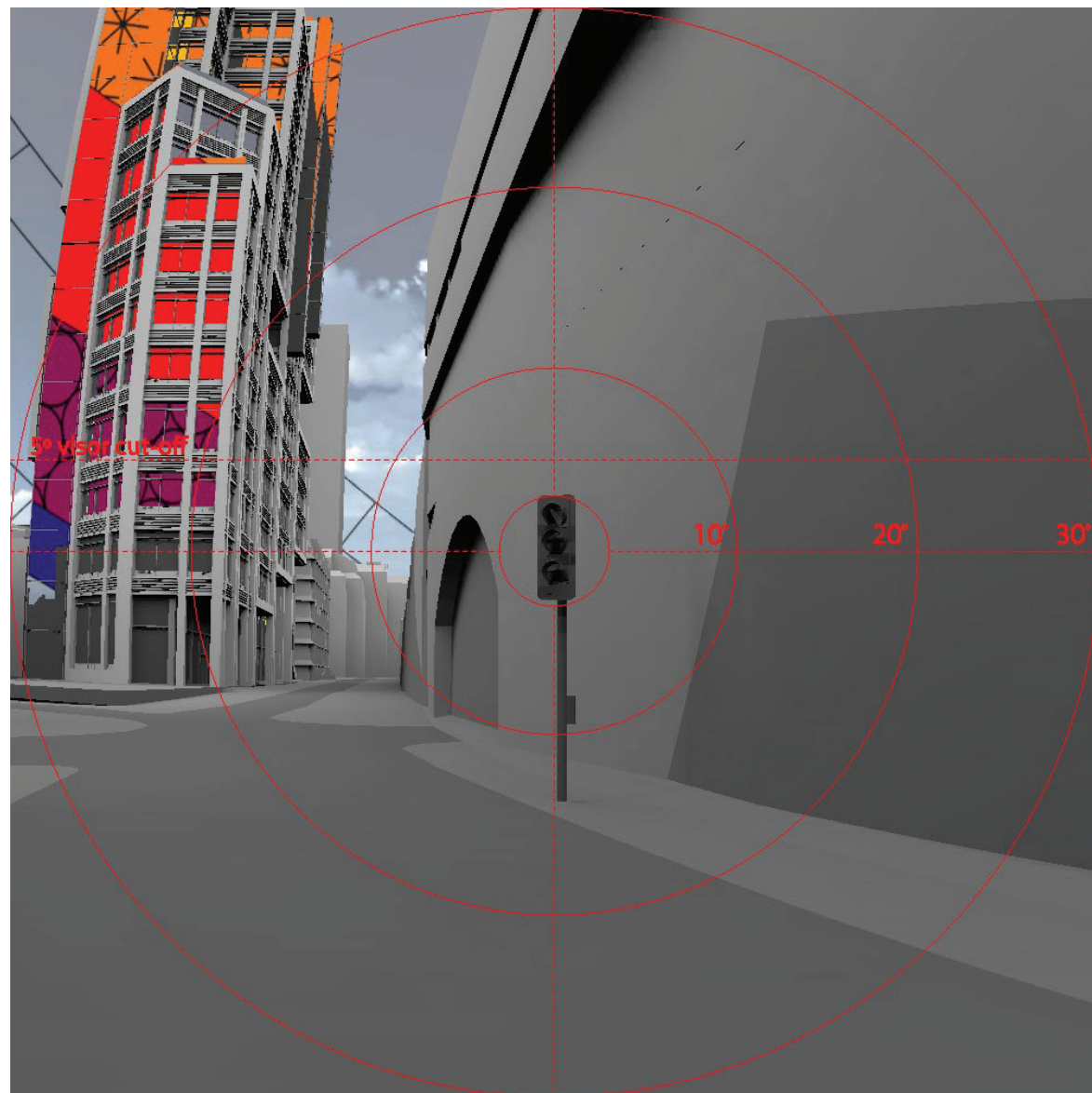


Fig. 18: Solar reflections



**60° FIELD OF VIEW: TIME OF DAY**  
VIEWPOINT S1

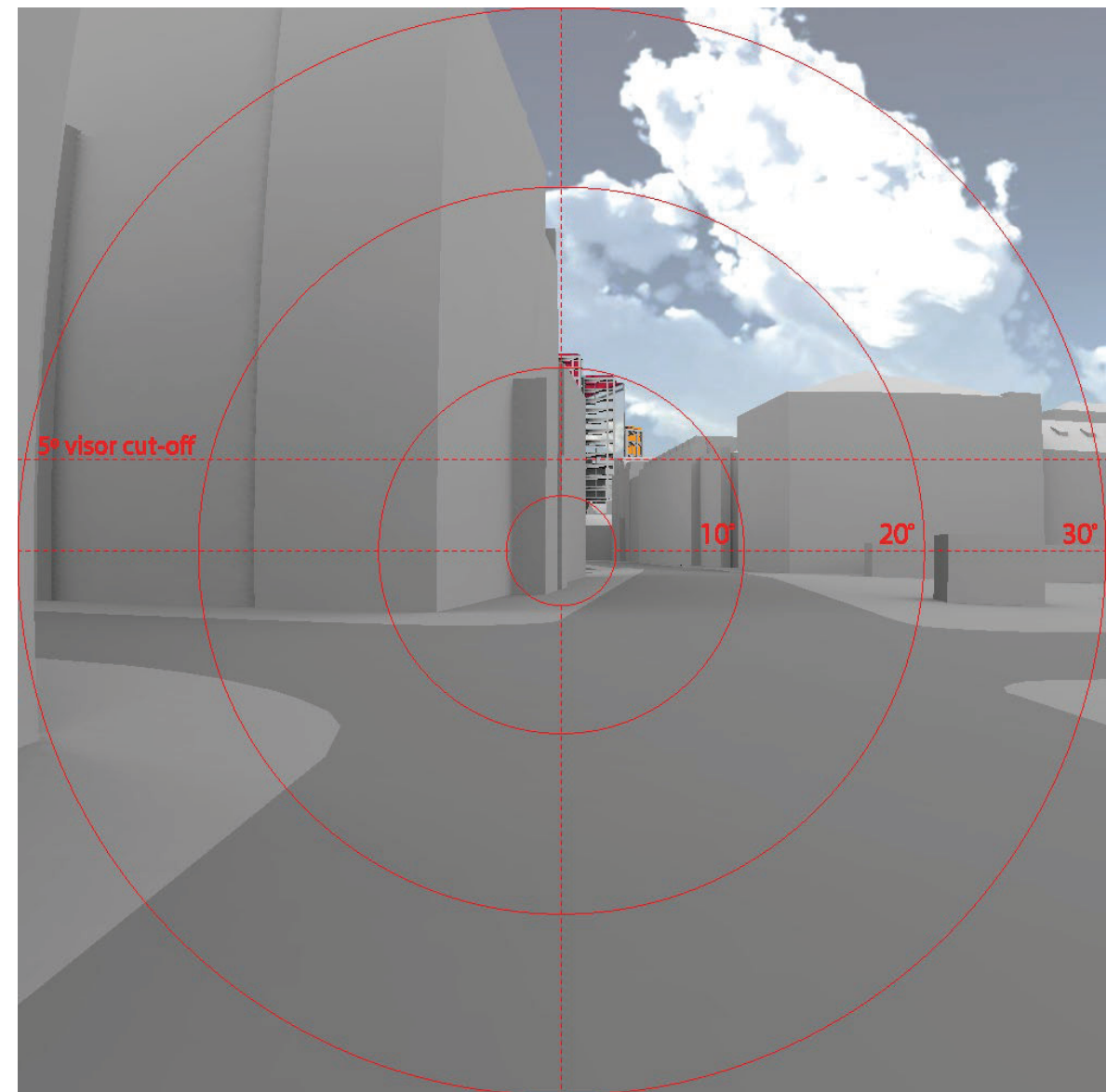
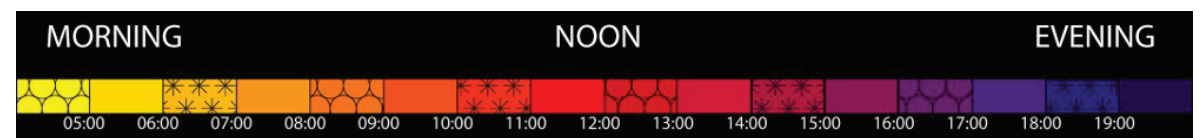


Fig. 19: Solar reflections



60° FIELD OF VIEW: SEASON  
VIEWPOINT S1

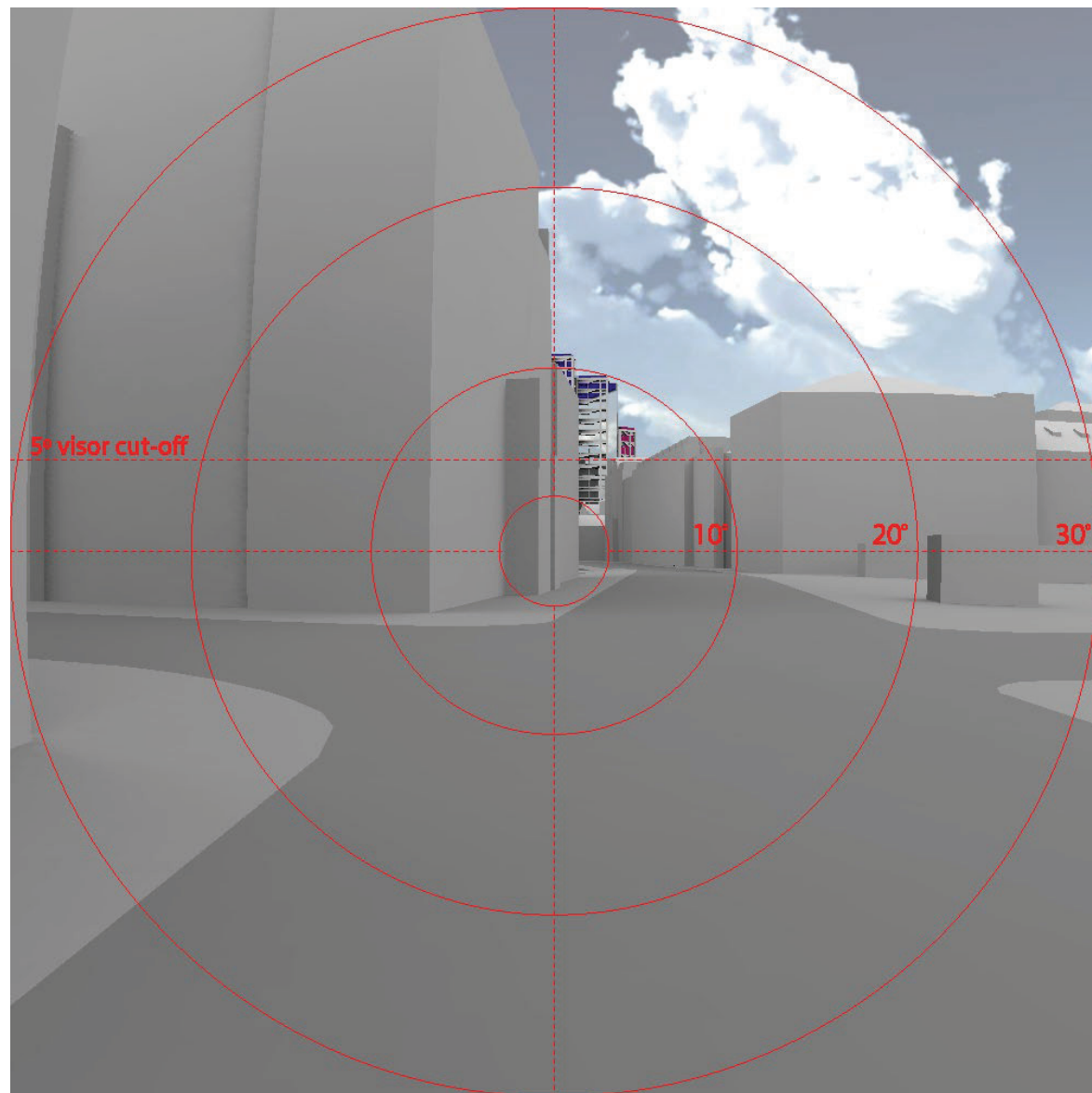


Fig. 20: Solar reflections



60° FIELD OF VIEW: TIME OF DAY  
VIEWPOINT S2

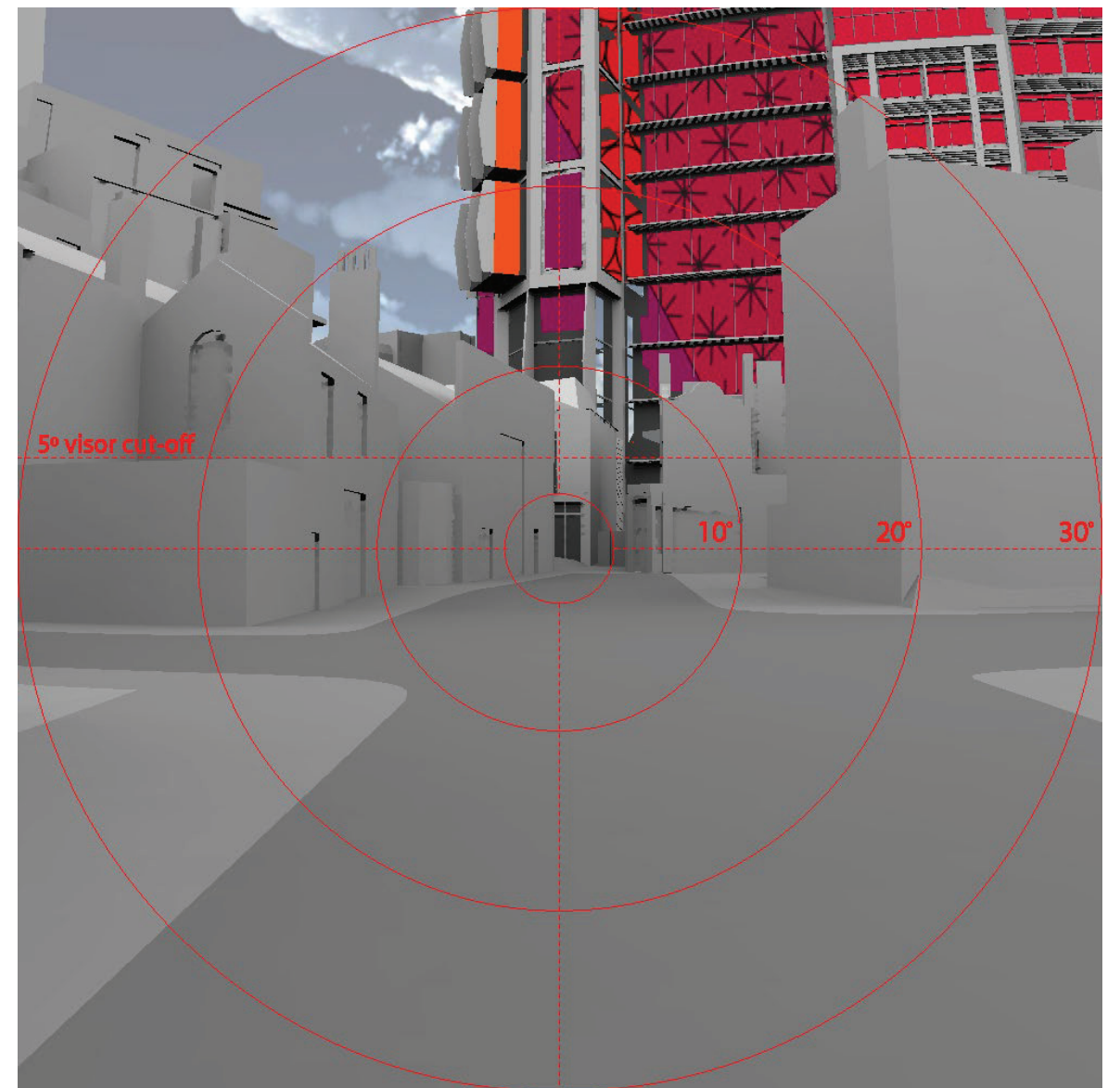


Fig. 22: Solar reflections



60° FIELD OF VIEW: SEASON  
VIEWPOINT S2

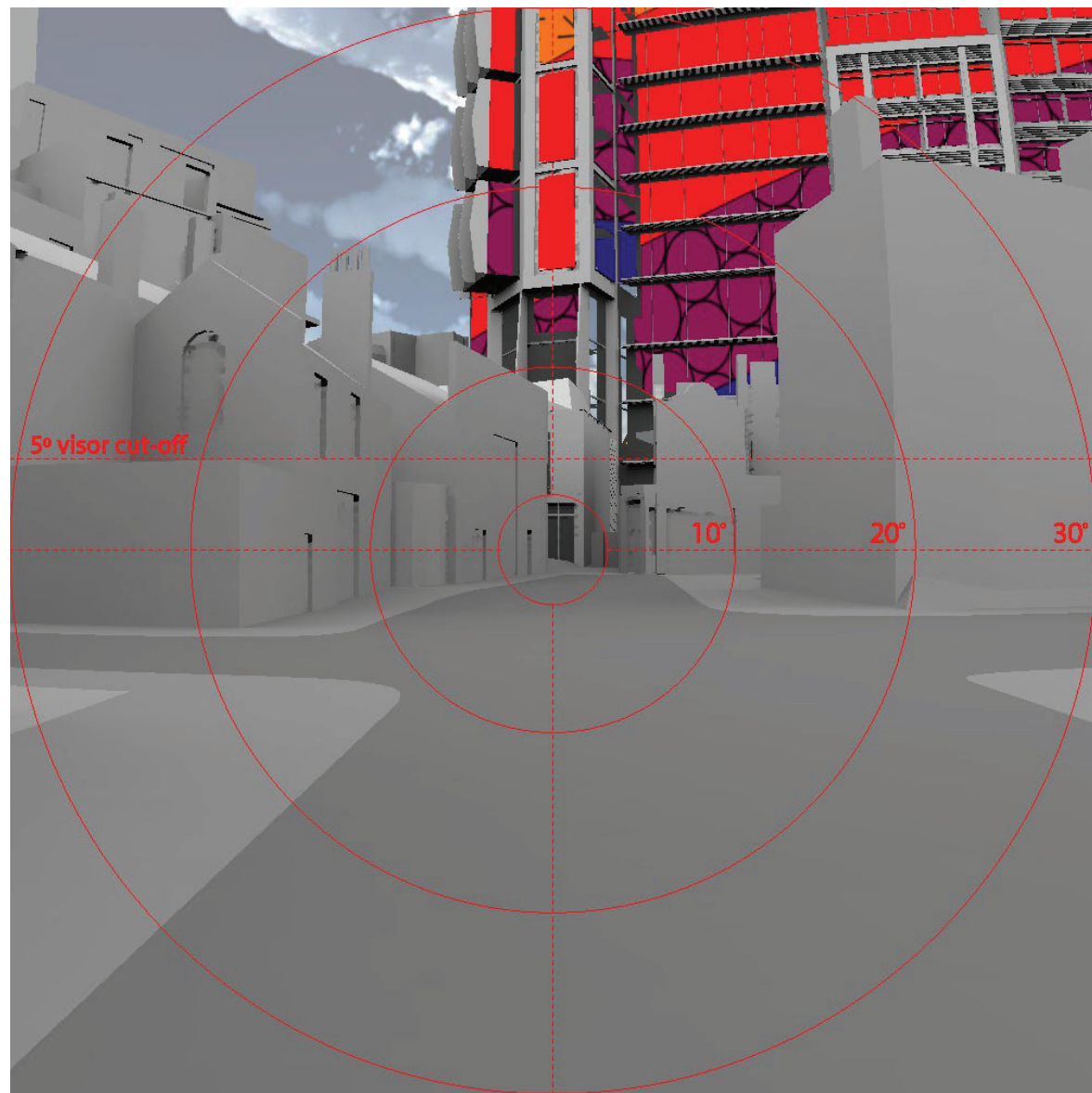


Fig. 23: Solar reflections



60° FIELD OF VIEW: TIME OF DAY  
VIEWPOINT S3

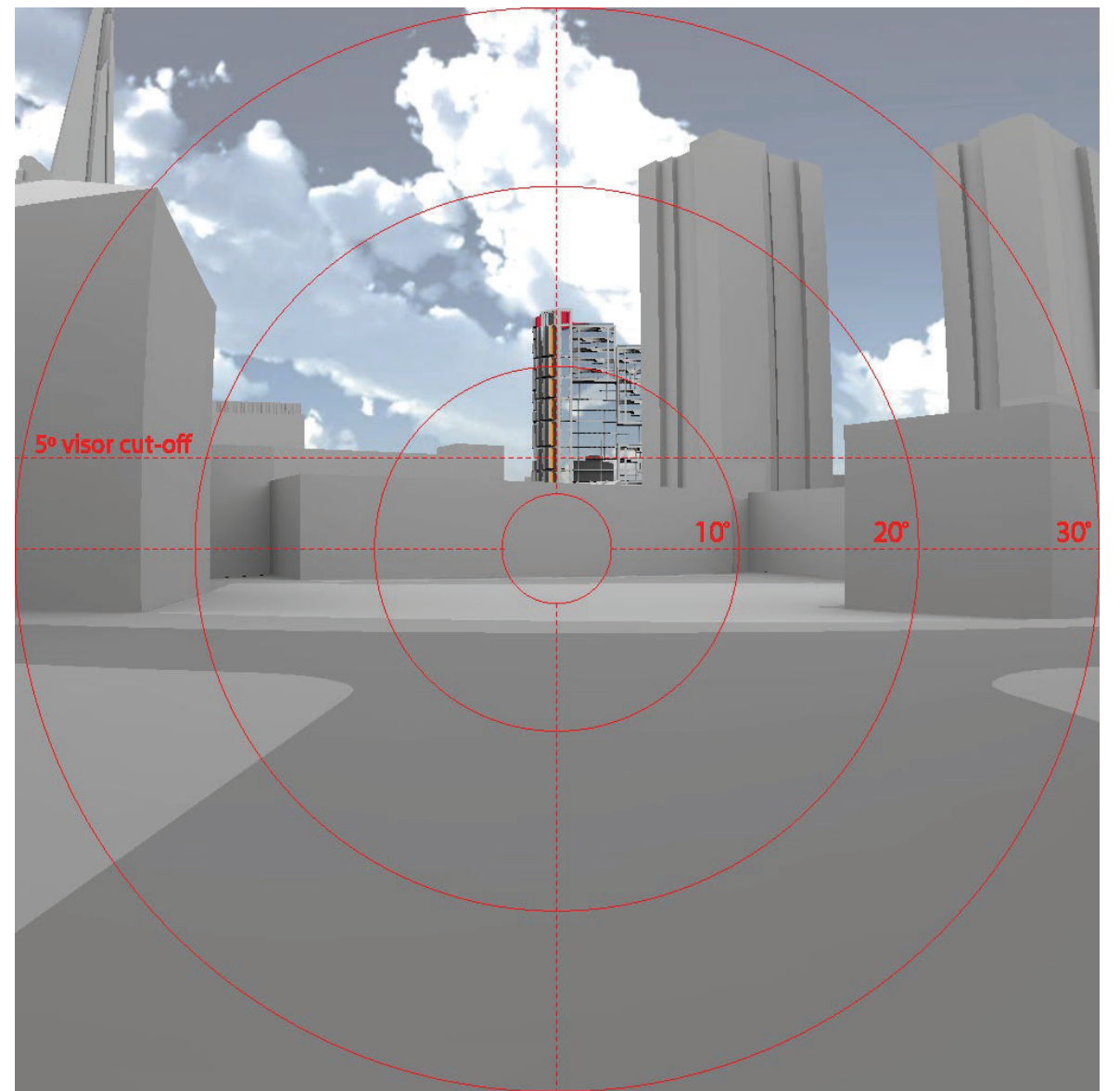


Fig. 25: Solar reflections



**60° FIELD OF VIEW: SEASON  
VIEWPOINT S3**

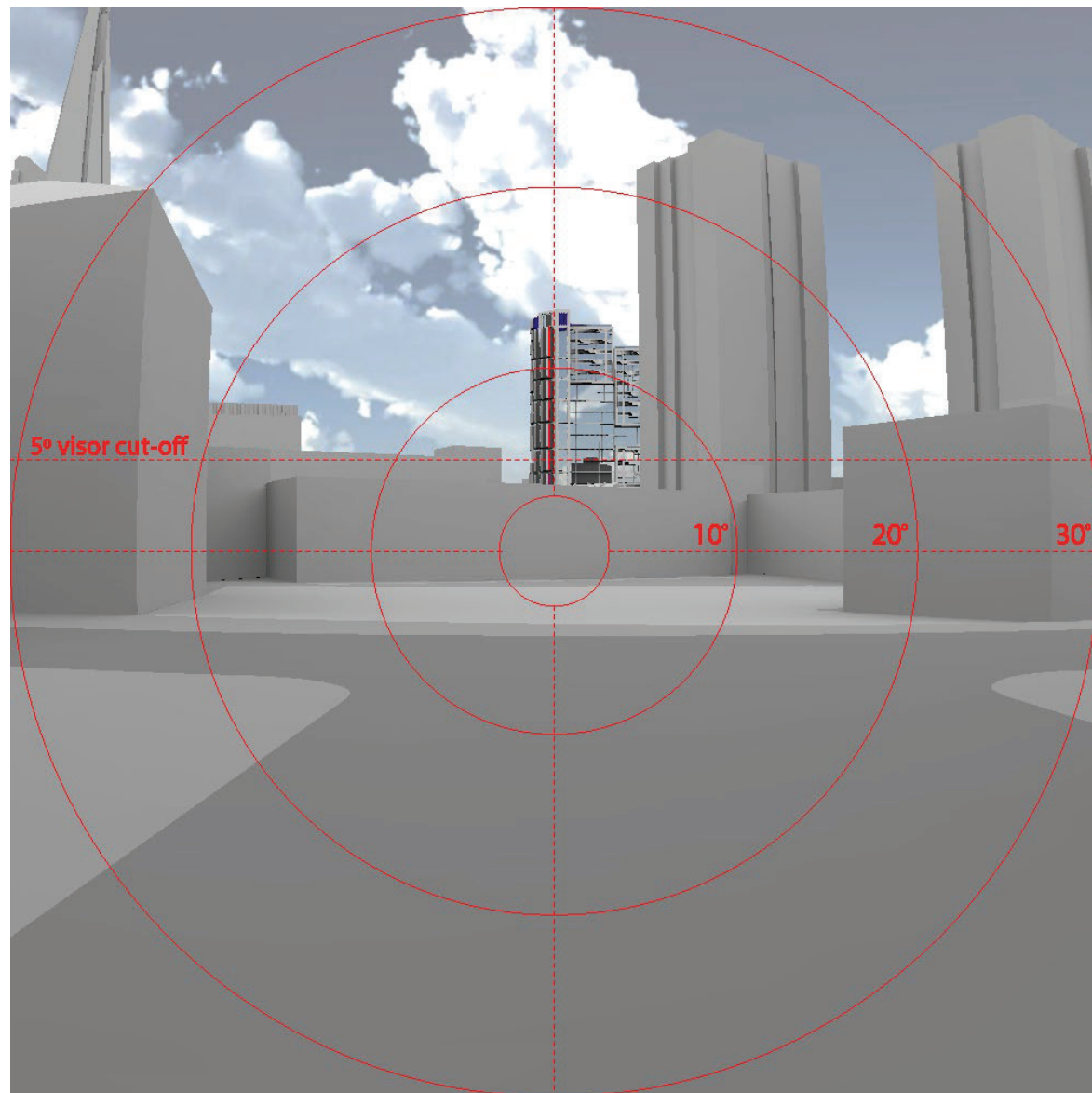


Fig. 28: Solar reflections



**60° FIELD OF VIEW: TIME OF DAY  
VIEWPOINT TNW3**

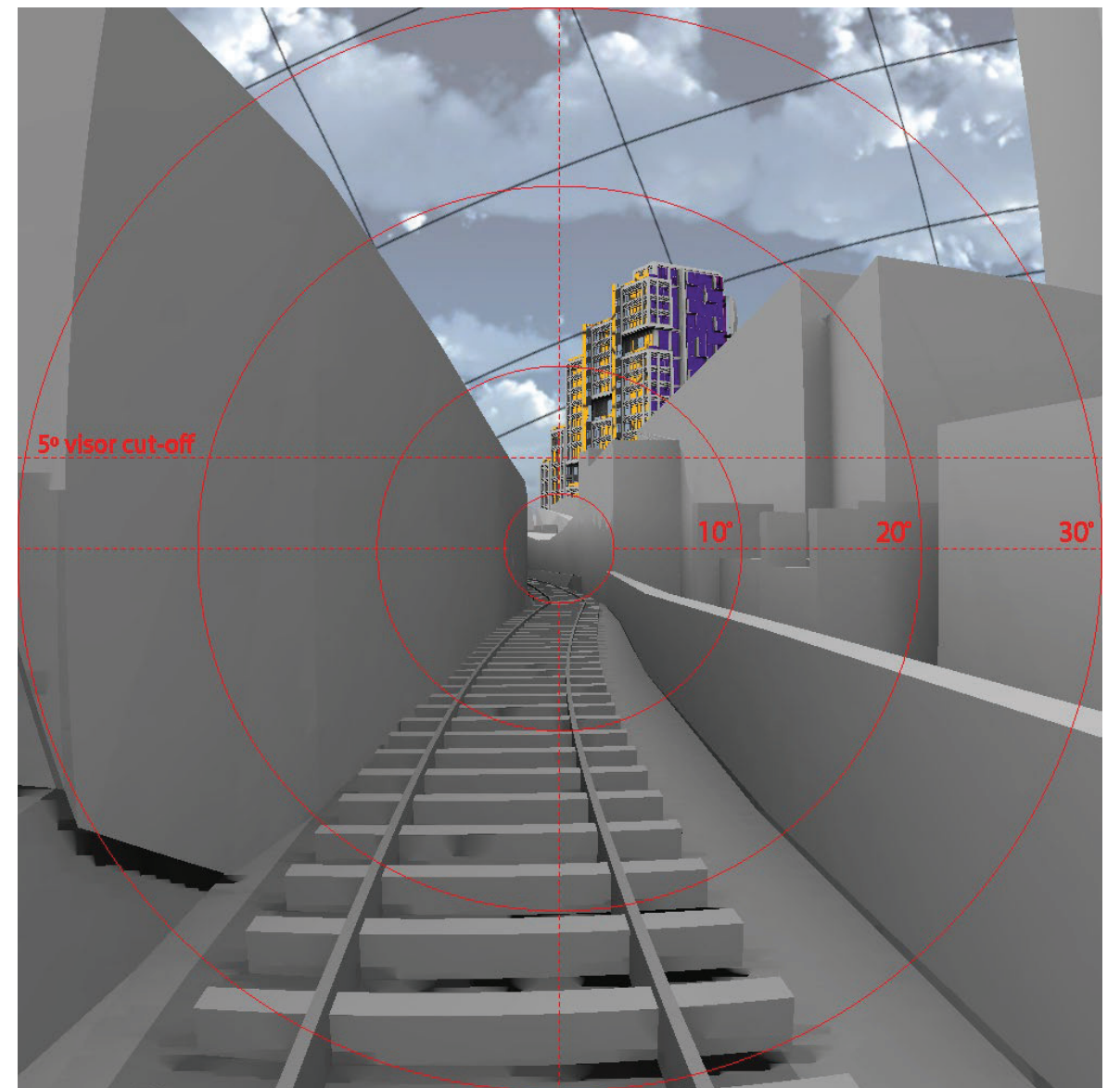


Fig. 29: Solar reflections



**60° FIELD OF VIEW: SEASON  
VIEWPOINT TNW3**

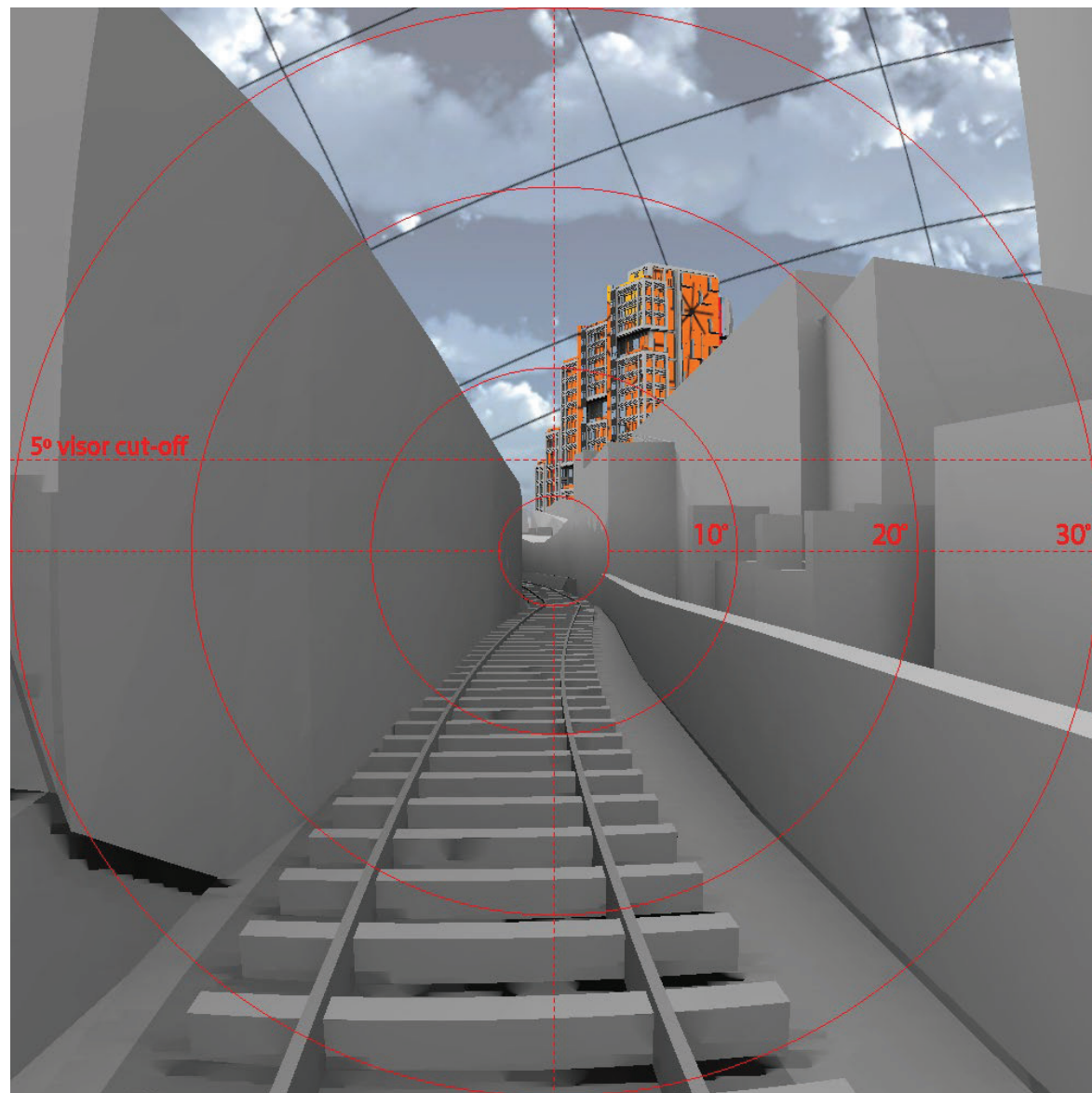


Fig. 30: Solar reflections



**60° FIELD OF VIEW: TIME OF DAY  
VIEWPOINT TSE1**

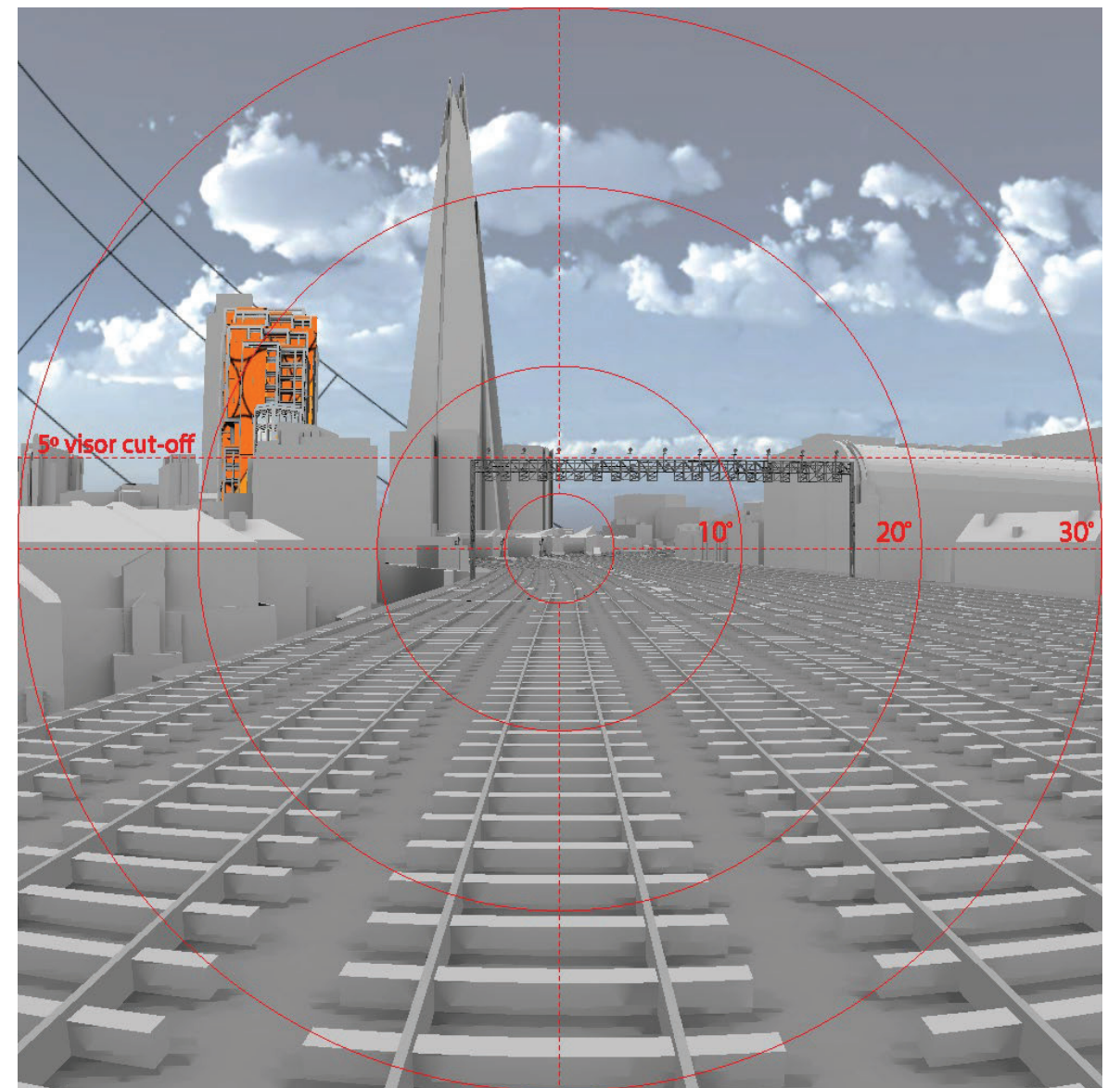


Fig. 31: Solar reflections



60° FIELD OF VIEW: SEASON  
VIEWPOINT TSE1

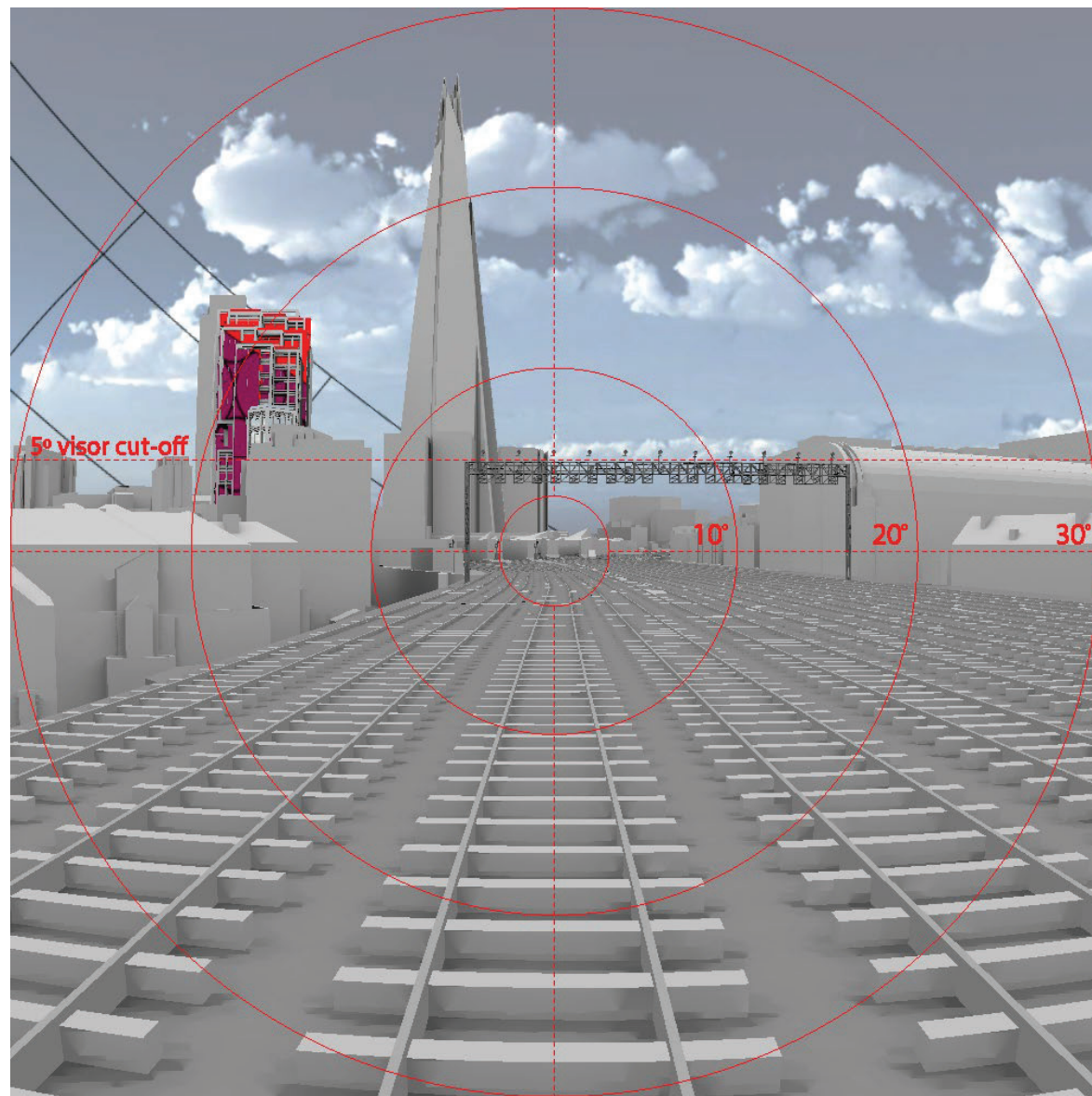


Fig. 32: Solar reflections



60° FIELD OF VIEW: TIME OF DAY  
VIEWPOINT TSE2

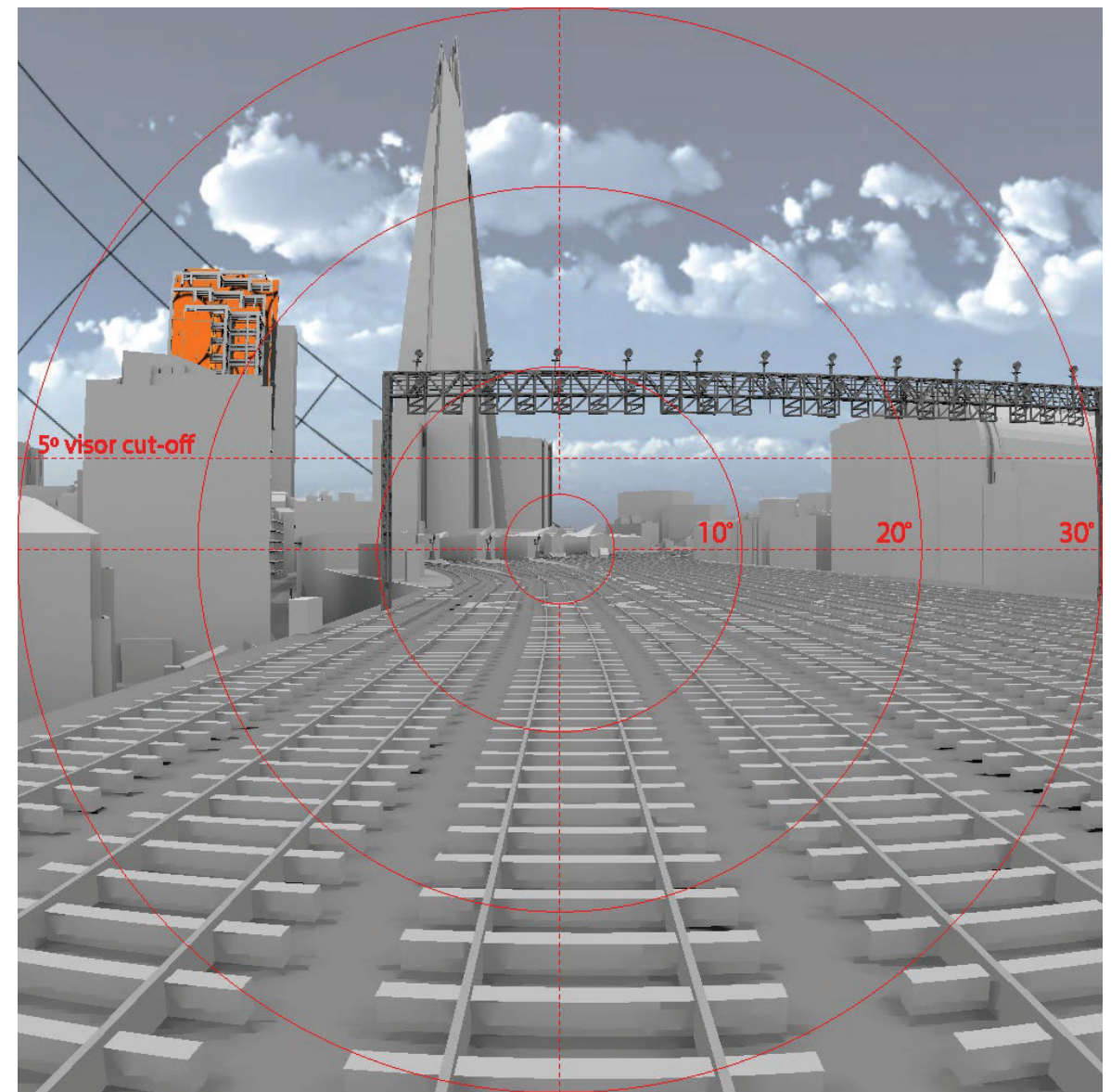
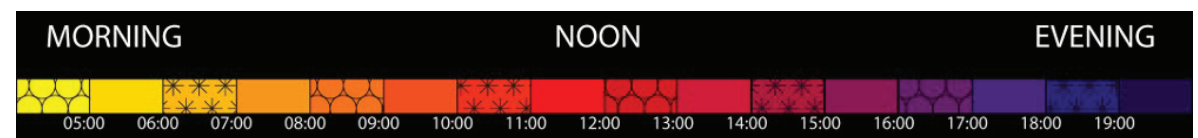


Fig. 33: Solar reflections



**60° FIELD OF VIEW: SEASON  
VIEWPOINT TSE2**

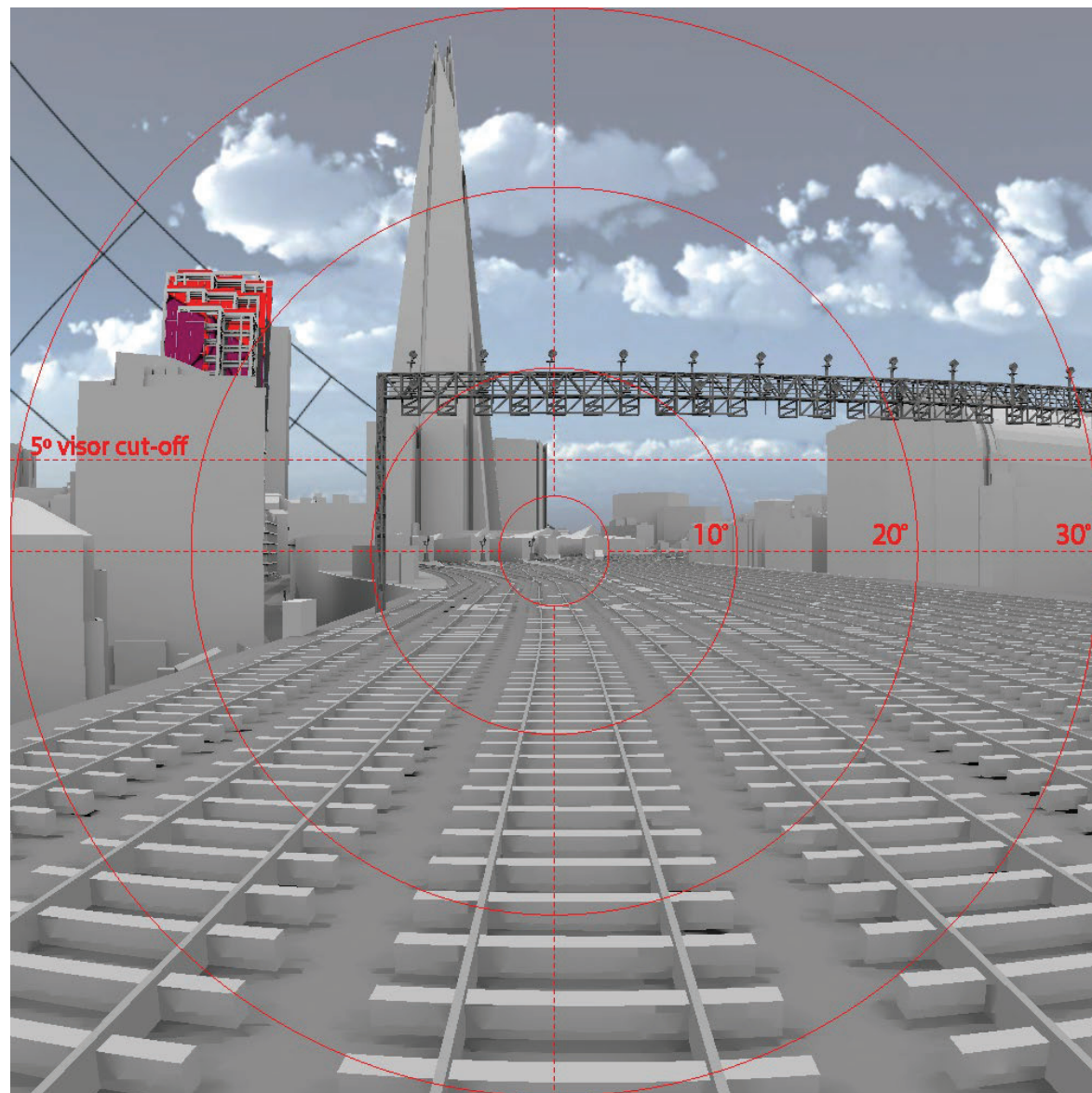


Fig. 34: Solar reflections



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# **Appendix: Daylight, Sunlight, Overshadowing, Solar Glare and Light Pollution**

Annex 1: Legislative and Planning Policy Context

Annex 2: Assessment Methodology

Annex 3: Drawings

Annex 4: Daylight and Sunlight Impact Assessment

Annex 5: Overshadowing Assessment

Annex 6: Solar Glare Assessment

**Annex 7: Light Pollution Assessment**



# DAYLIGHT & SUNLIGHT LIGHT POLLUTION ASSESSMENT

Vinegar Yard

19 November 2020  
GIA No: 10732



PROJECT DATA:

Client **CIT**  
Architect **KPF**  
Project Title **Vinegar Yard**  
Project Number **10732**

REPORT DATA:

Report Title **Light Pollution Assessment**  
GIA Department **Daylight & Sunlight**  
Dated **19 November 2020**

Prepared by **ERLA**  
Checked by **NC**  
Type **EIA Appendix**

Revisions	No:	Date:	Notes:	Signed:

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Release Number **Rel\_07\_10732\_DSD**  
Issue Number **07**  
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3D models **VERTEX**  
OS Data **FIND Maps**



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OS 100047514

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3	<b>SITE OVERVIEW AND MAP OF SENSITIVE RECEPTORS</b>	6
4	<b>LIGHT POLLUTION ASSESSMENTS</b>	8

# 1 POLICIES, GUIDANCE, LEGISLATION AND STANDARD

## 1.1 NATIONAL POLICY AND GUIDANCE

### Environmental Protection Act 1990

An amendment contained within the Clean Neighbourhoods and Environment Act 2005 to section 79 of the Environmental Protection Act 1990 states:

*"Artificial light emitted from premises so as to be prejudicial to health and nuisance constitutes a 'Statutory Nuisance' and it shall be the duty of every local authority to cause its area to be inspected from time to time to detect any statutory nuisances which ought to be dealt with under section 80 and, where a complaint of a statutory nuisance is made to it by a person living within its area, to take such steps as are reasonably practicable to investigate the complaint".*

### Guidance notes for the reduction of obtrusive light, ILP (2011)

The ILP guidelines quantify the levels of Sky Glow, Light intrusion, Glare/Source Intensity and Building Luminance seen as acceptable for varying environmental zones:

- E0:** Dark landscapes (UNESCO Starlight Reserves, IDA Dark Sky Parks, etc.);
- E1:** Intrinsically dark landscapes (National Parks, Areas of Outstanding Natural Beauty, etc.);
- E2:** Low district brightness areas (Rural, small village, or relatively dark urban locations);
- E3:** Medium district brightness areas (Small town centres or urban locations); and
- E4:** High district brightness areas (Town/city centres with high levels of night time activity)

The limitations below may be supplemented or replaced by the LPA's own planning guidance for exterior lighting installation.

**Sky Glow** is the brightening of the night sky over our towns, cities and countryside. This can be quantified by measuring the Upward Light Ratio (ULR). This is the maximum permitted percentage of luminaires flux for the total installation that goes directly into the sky. The values suggested in the table opposite are the maximum allowable levels for their respective environmental zones.

**Light intrusion** is the spilling of light beyond the boundary of the proposed development. This is assessed as vertical illuminance in lux (Ev) measured flat at the centre of the sensitive receptor. The values in the table below are suggested maximum allowable levels, taking into account the existing light intrusion at the point of measurement in each environmental zone (pre and post-curfew).

**Glare/Source Intensity** is the uncomfortable brightness of a light source when viewed against a dark background. This applies to each source visible from the sensitive receptor and is measured as source intensity (I) (kcd). The values in the table below are the suggested maximum allowable levels in each environmental zone (pre and post curfew).

**Building Luminance** can cause an increase in the brightness of the general area. This is measured in cd/m<sup>2</sup> (L) as an average over the building façade caused only by external lighting. The values suggested in the table below are the suggested maximum allowable pre-curfew levels in each environmental zone.

The ILP guidelines suggest that in many cases the levels below may not be obtainable. These specific cases will be dealt with individually and mitigations should be utilised to ensure that the impact is minimised.

**Lighting of Work Places – Part 2:  
Outdoor Work Places, British Standards  
BS 12464-2:2007 (ref 4)**

This document mirrors the recommendations made in the ILP guidelines above. The only variations are higher maximum Upward Lighting Ratio (sky glow) limits. This report will refer to the levels suggested by the ILP guidelines thereby assuring compliance with both documents.

**1.2 REGIONAL POLICY AND GUIDANCE**

**The London Plan – The Spatial Development Strategy for Greater London, Draft for Public Consultation (December 2017)**

There is no reference within this policy document related to the effect of light pollution caused by buildings upon surrounding sensitive receptors.

However, the London Plan states that:

*Policy D8 – “Any external lighting for tall buildings should be energy efficient, and designed to minimise glare, light trespass, and sky glow, and ensure it does not negatively impact on the amenity of nearby residents.”; and*

*Policy D9 – “Local authorities are advised to consider the following issues alongside other relevant local circumstances when developing their own policies for basement developments: local ground conditions; flood risk and drainage impacts; land and structural stability; protection of trees, landscape, and biodiversity; archaeology and heritage assets; neighbour amenity; air and light pollution; and the impacts of noise, vibration, dust and site waste.”*

**2 METHODOLOGY**

In order to undertake the light pollution assessments set out above, and in accordance with your instructions, we have prepared a 3D computer model and used specialist lighting simulation software.

The 3D representation of the proposed development is based on models and drawings provided by KPF. This has been placed in the context of its surrounding buildings which have been modelled from measured survey. This allows for a precise model, which in turn ensures that analysis accurately represents the levels of light spillage.

**2.1 SIMULATION ASSUMPTIONS**

Where no values for reflectance, transmittance and maintenance factor were specified by the designer the following values from BS 8206-2:2008, Annex A, tables A.1-A.6 where used for the calculation of Light Pollution. These values are shown in the table below.

The values considered are:

**Reflectance Values**

- White walls - 68%
- Medium veneer for internal floors - 30%
- White ceilings - 85%
- Metal - 40%
- Surrounding buildings - 20%

**Transmittance Value**

Double Glazing, Clear - Visible light transmittance 61%, no framing factor applied owing to the frames already being included in the 3d model provided by the architects.

**Light Sources**

Standard light fittings have been incorporated within the 3d model in .ies format so as to achieve an initial average illuminance of 500 lux across the working plane.

The light fittings have been placed within all office and outpatients areas within the scheme. Even though the latter does not require the same specifications as per the office space, the outpatients areas have been treated as office in order to portray a worst-case scenario.

**2.2 LIGHT TRESPASS**

The sensitive receptors are specified as the windows of residential and religious properties in close proximity to the site.

The results are presented through the use of false-coloured pictures showing the illuminance values in lux measured at the receptors.

**2.3 ENVIRONMENTAL ZONE**

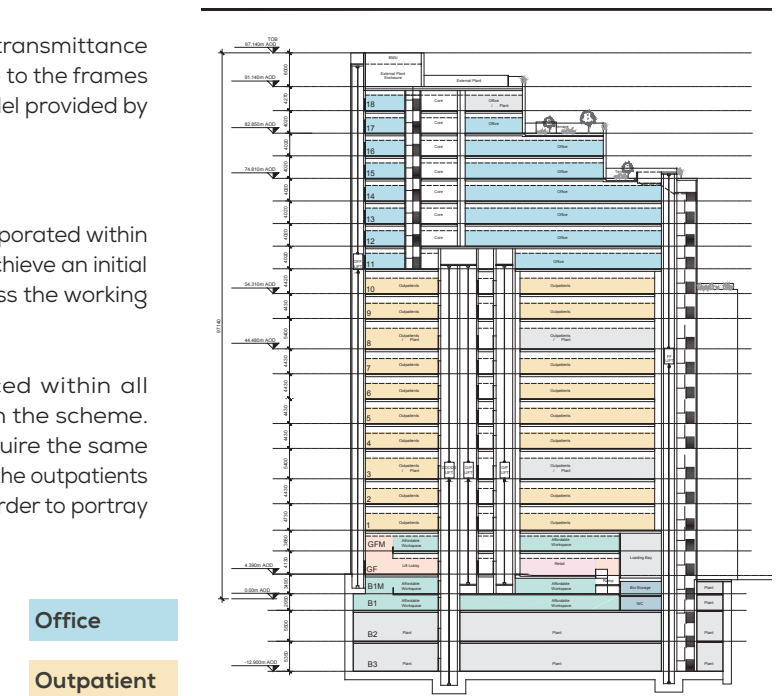
With reference to the table presented in section 1, the area should be classified as environmental zone E4 with the following limits for obtrusive light:

	pre-	post-curfew
sky glow (ULR)	15 %	--
light trespass	25 lux	5 lux
source intensity	25 kcd	2.5 kcd
building luminance	25 cd/m <sup>2</sup>	--

OBTRUSIVE LIGHT LIMITATIONS FOR EXTERIOR LIGHTING INSTALLATIONS						
Environmental Zone	Sky Glow ULR [Max %] <sup>(1)</sup>	Light intrusion (into Windows) Ev [Lux] <sup>(2)</sup>		Source Intensity I [kcd] <sup>(3)</sup>		Building Luminance Pre- curfew <sup>(4)</sup> Average, L [cd/m <sup>2</sup> ]
		Pre- curfew	Post- curfew	Pre- curfew	Post- curfew	
E0	0	0	0	0	0	0
E1	0	2	1*	2.5	0	0
E2	2.5	5	1	7.5	0.5	5
E3	5.0	10	2	10	1.0	10
E4	15.0	25	5	25	2.5	25

**Curfew** The time after which stricter requirements (for the control of obtrusive light) will apply; often a condition of use of lighting applied by the local planning authority. If not otherwise stated 23.00hrs is suggested.

\* From Public road lighting installations only



### 3 SITE OVERVIEW AND MAP OF SENSITIVE RECEPTORS

#### 2.4 SENSITIVE RECEPTORS

The map presented on this page shows the sensitive receptors analysed for light pollution.

All buildings including residential accommodation (Residential, Mixed Use), and religious buildings have been assessed for light trespass.

The results of this analysis are presented in the following pages.

REFLECTANCE VALUES:		MAINTENANCE FACTORS: GLAZING TYPE					
		TV (Normal)	A.3	A.4	A.5	A.6	TV (Total)
Surrounding	0.2	0.61	8	1	1	1	0.56
Pavement	0.2	0.61	8	1	1	0.8	0.45
Grass	0.1	0.61	8	2	1	1	0.51
Water	0.1	0.61	8	2	1	0.8	0.41
Yellow brick	0.3	0.61	8	3	1	1	0.46
Red brick	0.2	0.61	8	3	1	0.8	0.37
Portland Stone	0.6	0.9	8	1	1	1	0.83
Concrete	0.4	0.9	8	1	1	0.8	0.66
Internal walls (light grey)	0.68	0.9	8	2	1	1	0.76
Internal ceiling (white paint)	0.85	0.9	8	2	1	0.8	0.60
Internal floor (medium veneer)	0.3	0.9	8	3	1	1	0.68
Internal floor (light veneer)	0.4	0.9	8	3	1	0.8	0.55

TRANSMITTANCE VALUES	TV
<b>Double glazing:</b>	0.61
<b>Single glazing:</b> Pilkington K Glass 4/16/4 Argon filled 90%	0.90

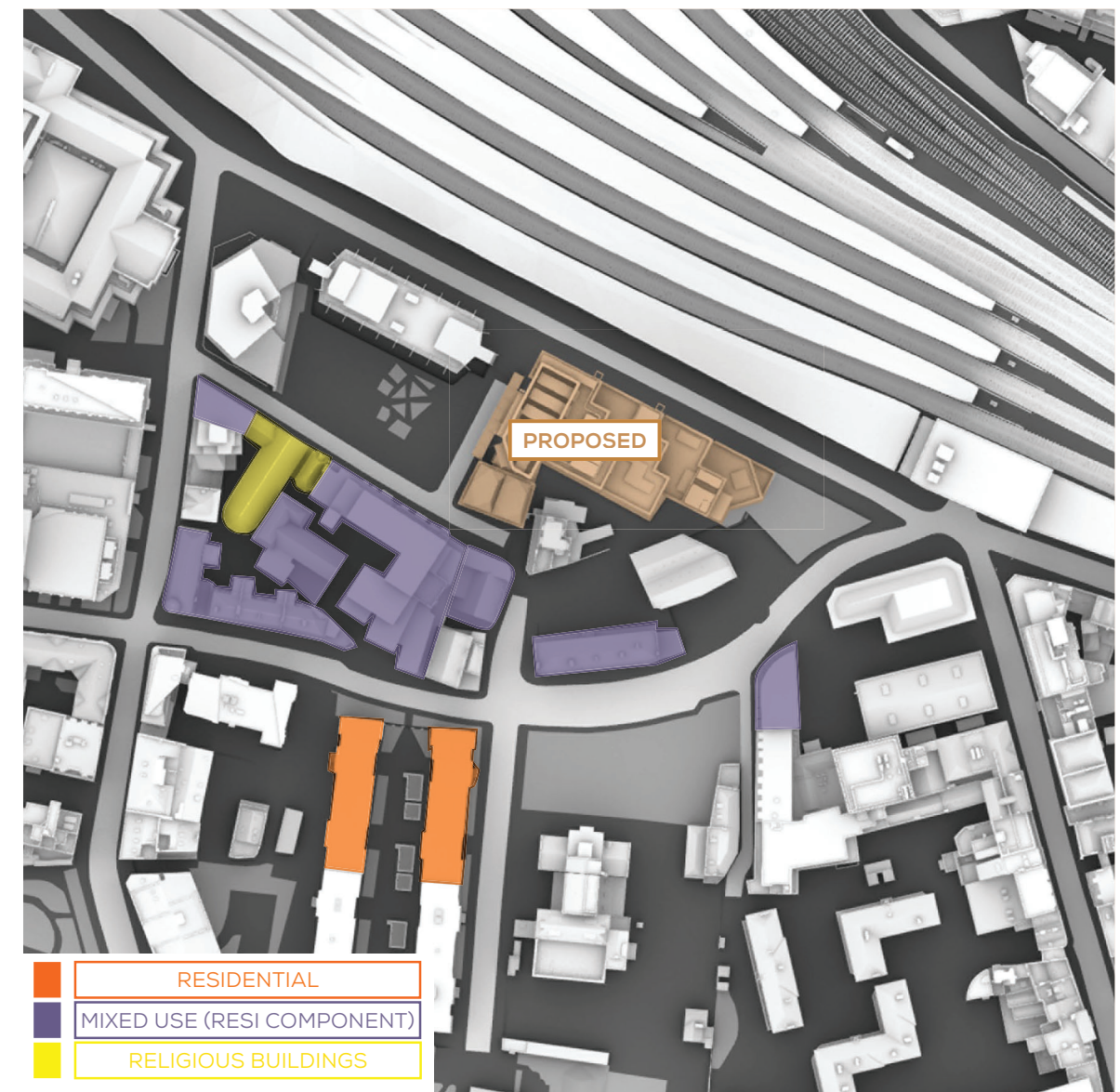


Fig. 01: Map of sensitive receptors

# 4 LIGHT POLLUTION ASSESSMENTS



Fig. 02: Perspective view

## LIGHT TRESPASS ASSESSMENT: PRE CURFEW

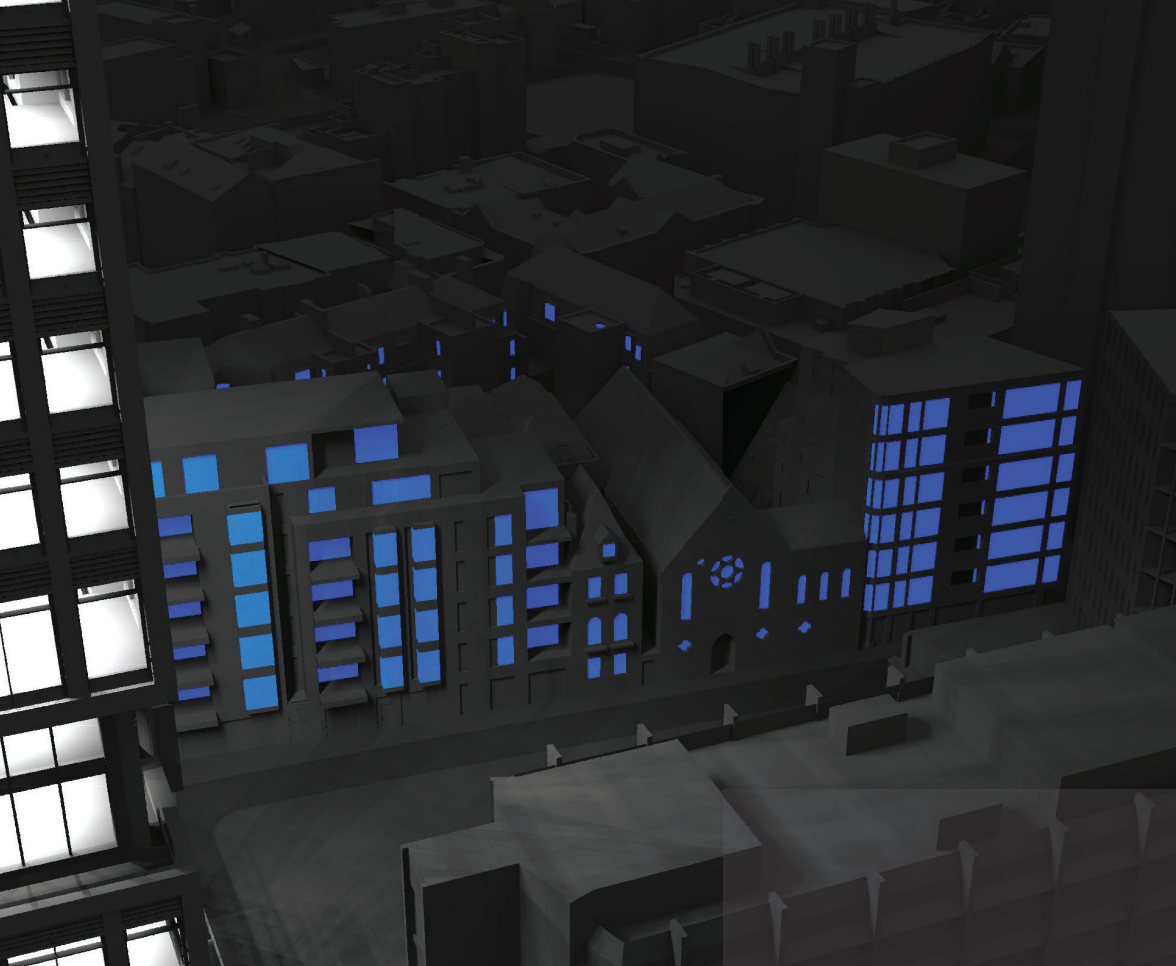
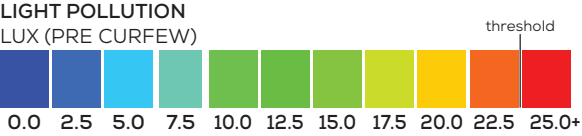


Fig. 03: Light Trespass Assessment - Pre Curfew



LIGHT TRESPASS ASSESSMENT  
POST CURFEW

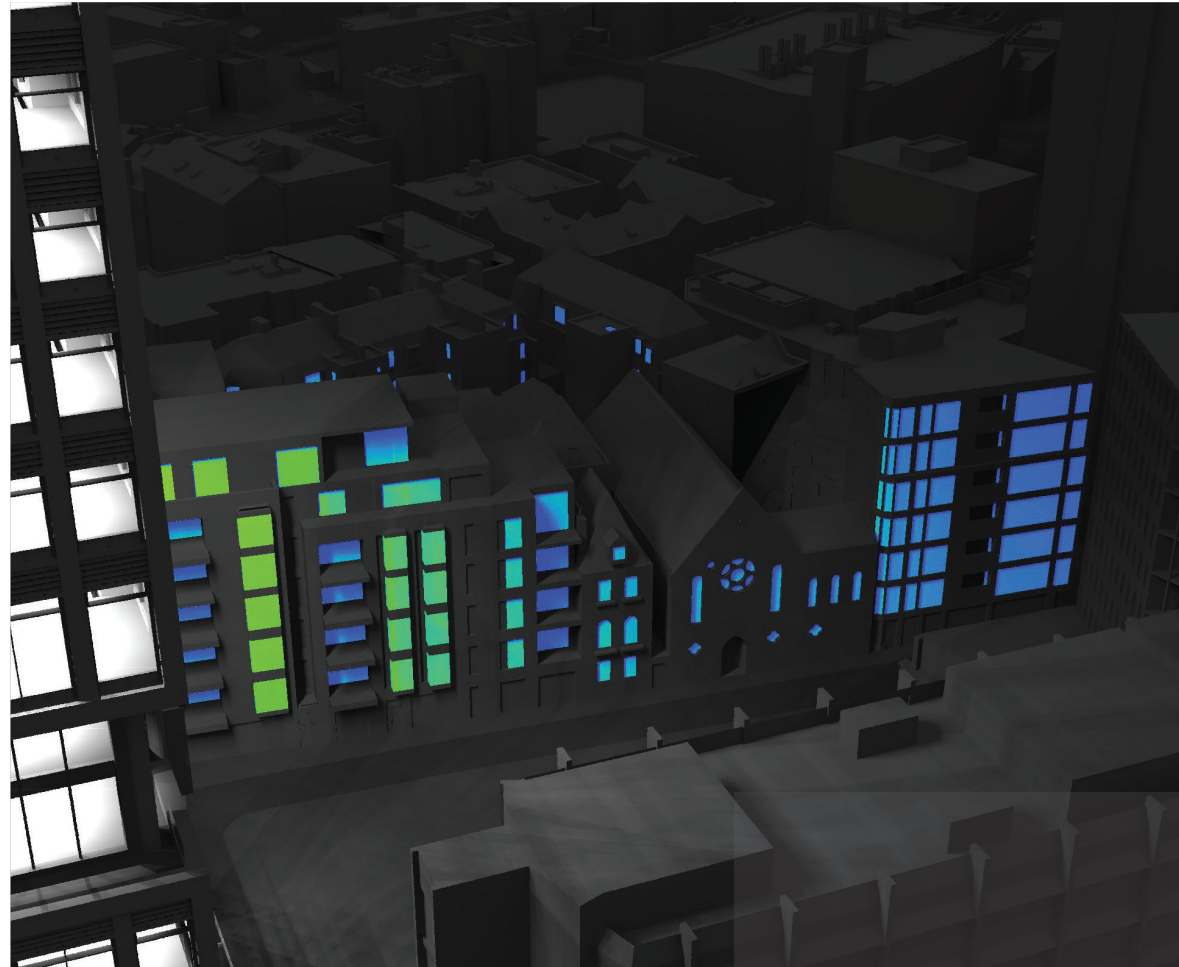


Fig. 04: Light Trespass Assessment - Post Curfew

LIGHT TRESPASS ASSESSMENT:  
PRE CURFEW

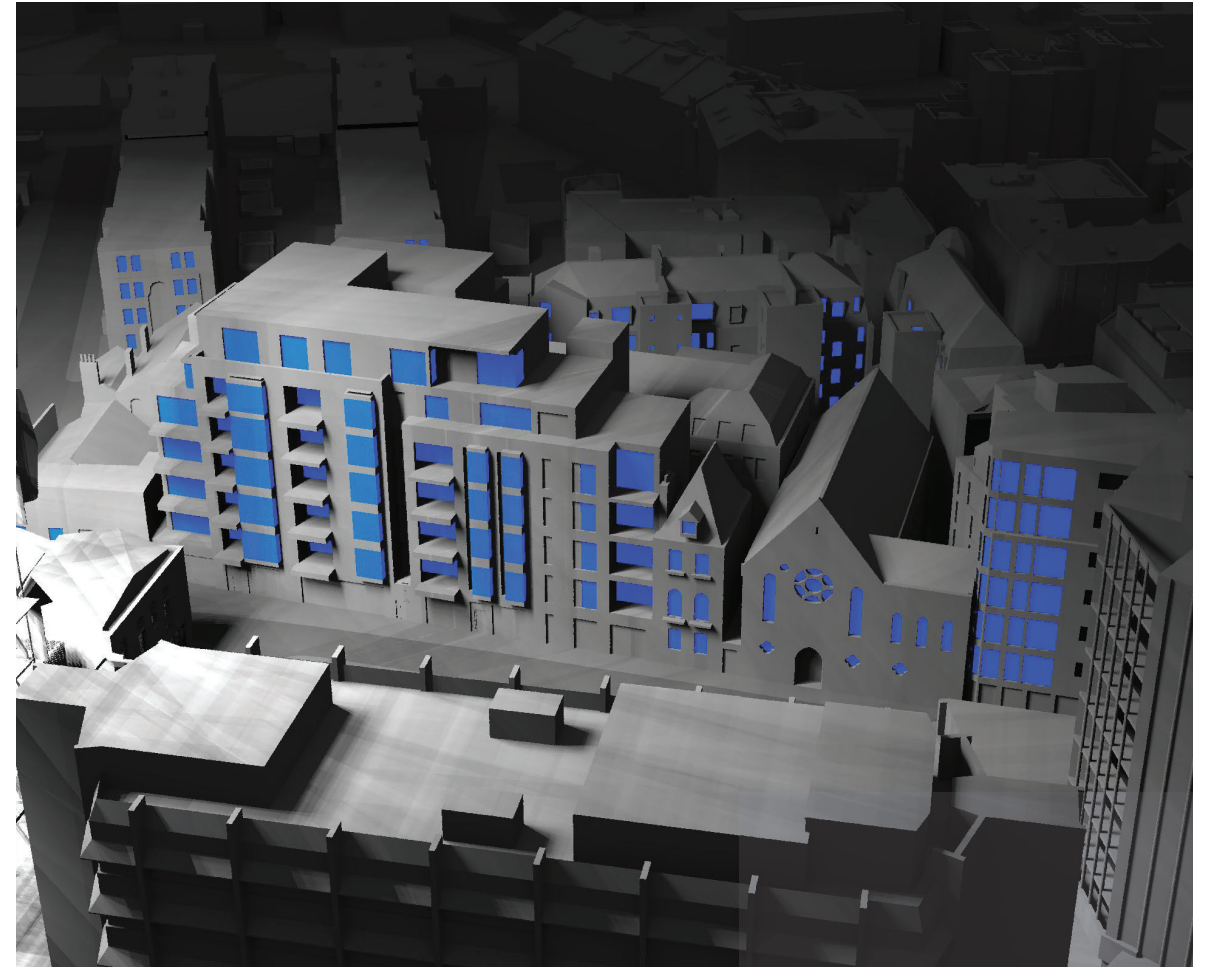
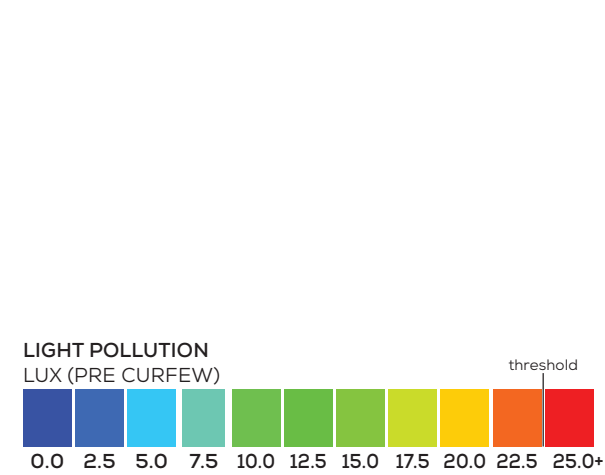
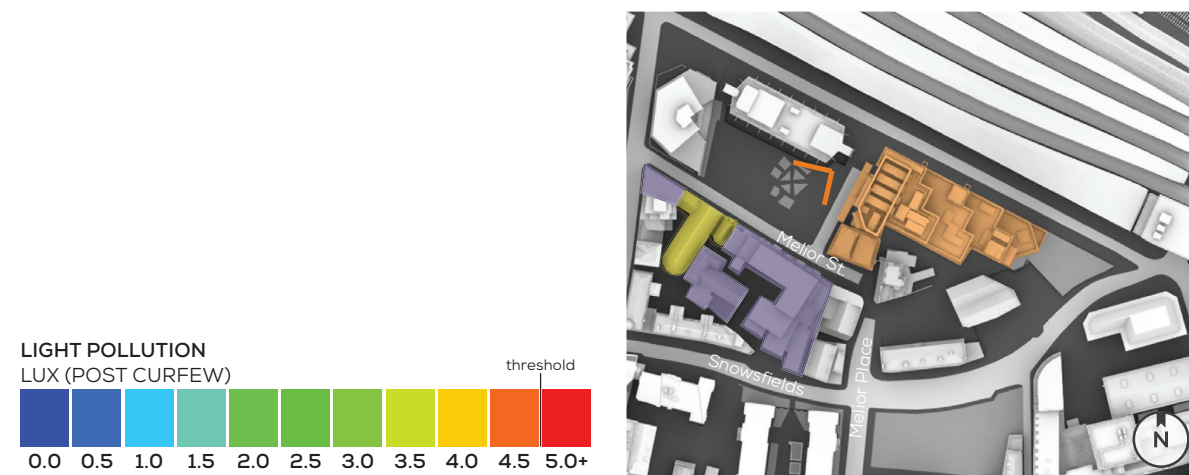


Fig. 05: Light Trespass Assessment - Pre Curfew



LIGHT TRESPASS ASSESSMENT  
POST CURFEW

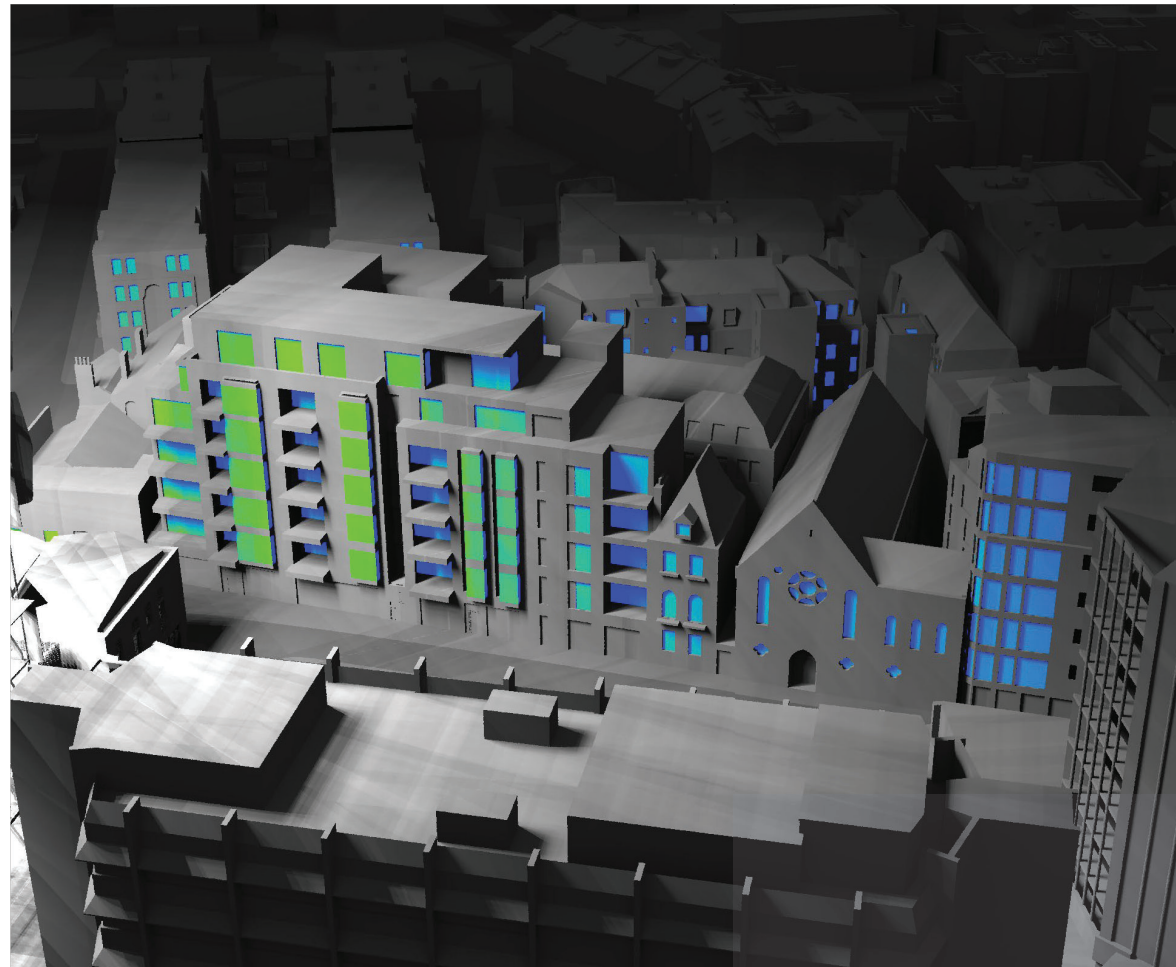


Fig. 06: Light Trespass Assessment - Post Curfew

LIGHT TRESPASS ASSESSMENT:  
PRE CURFEW

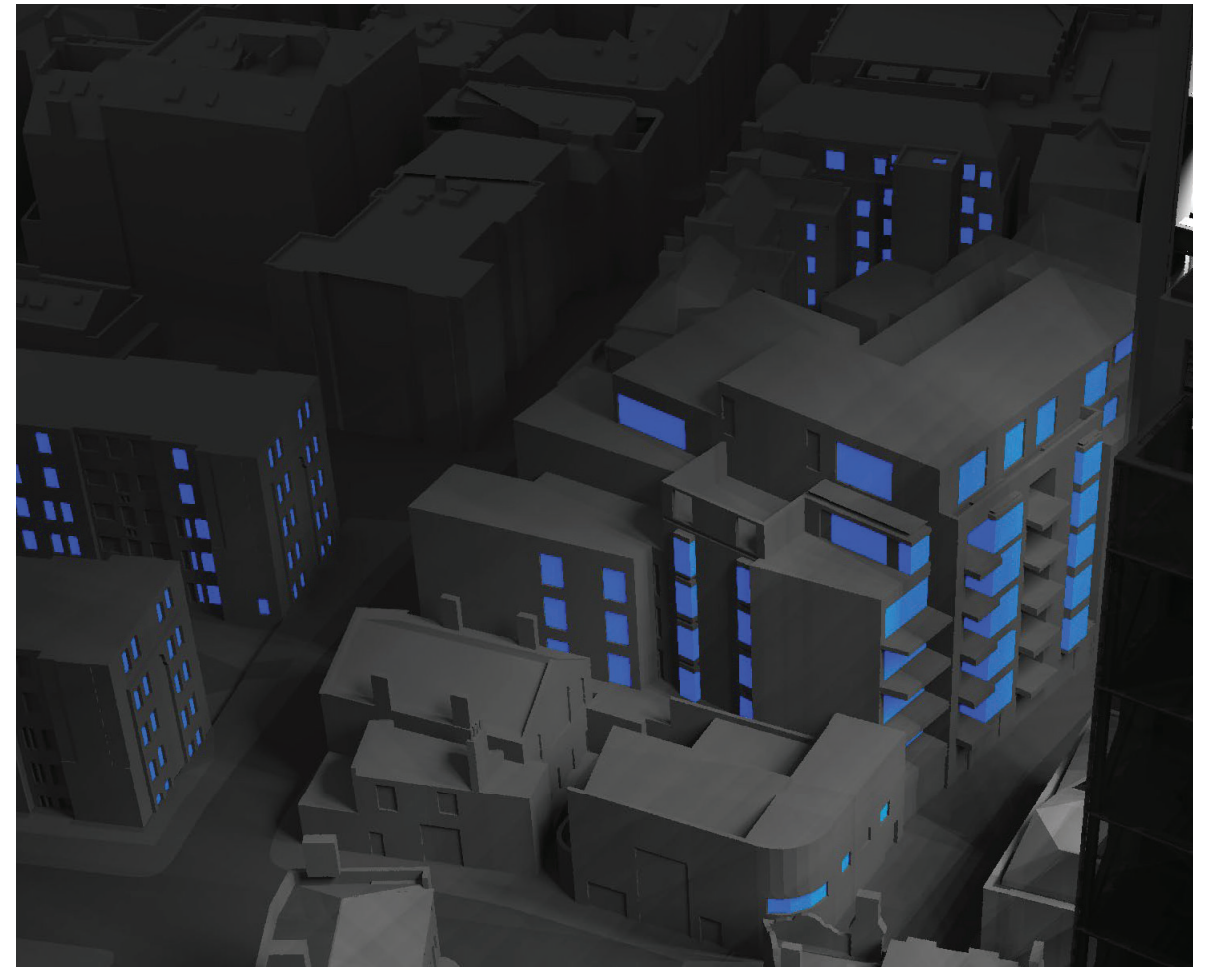
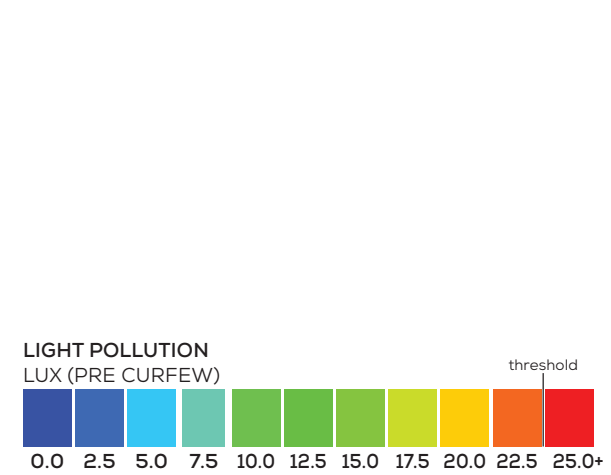
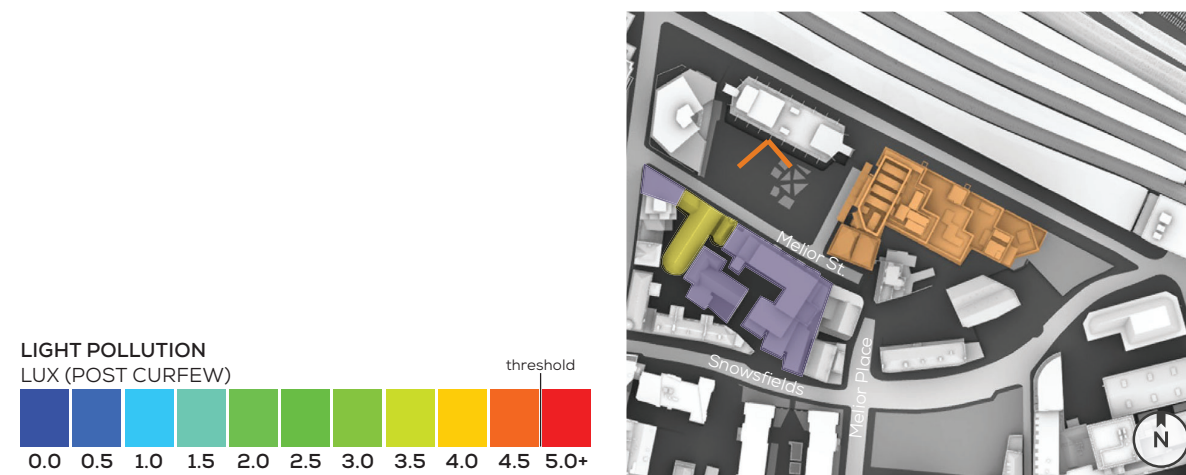


Fig. 07: Light Trespass Assessment - Pre Curfew



LIGHT TRESPASS ASSESSMENT  
POST CURFEW

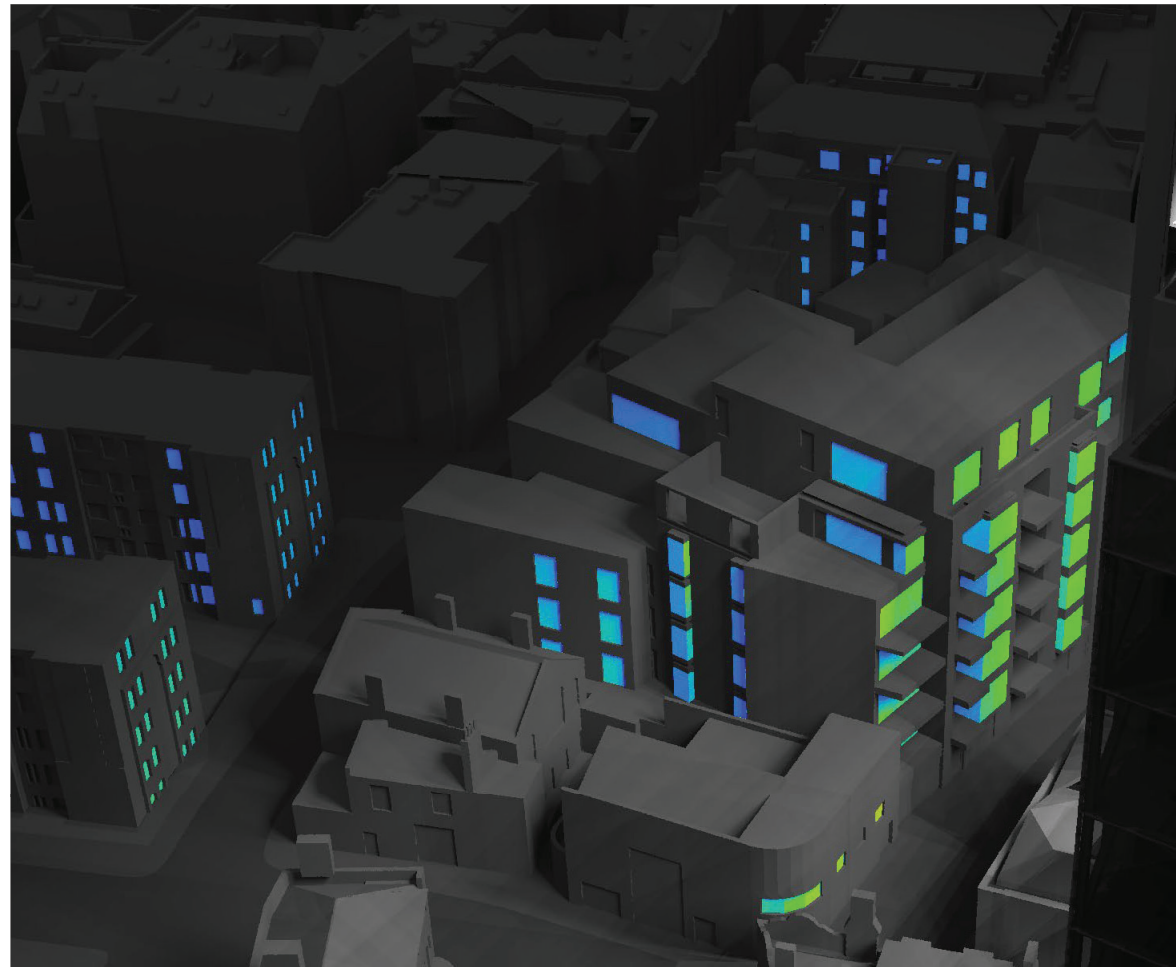


Fig. 08: Light Trespass Assessment - Post Curfew

LIGHT TRESPASS ASSESSMENT:  
PRE CURFEW

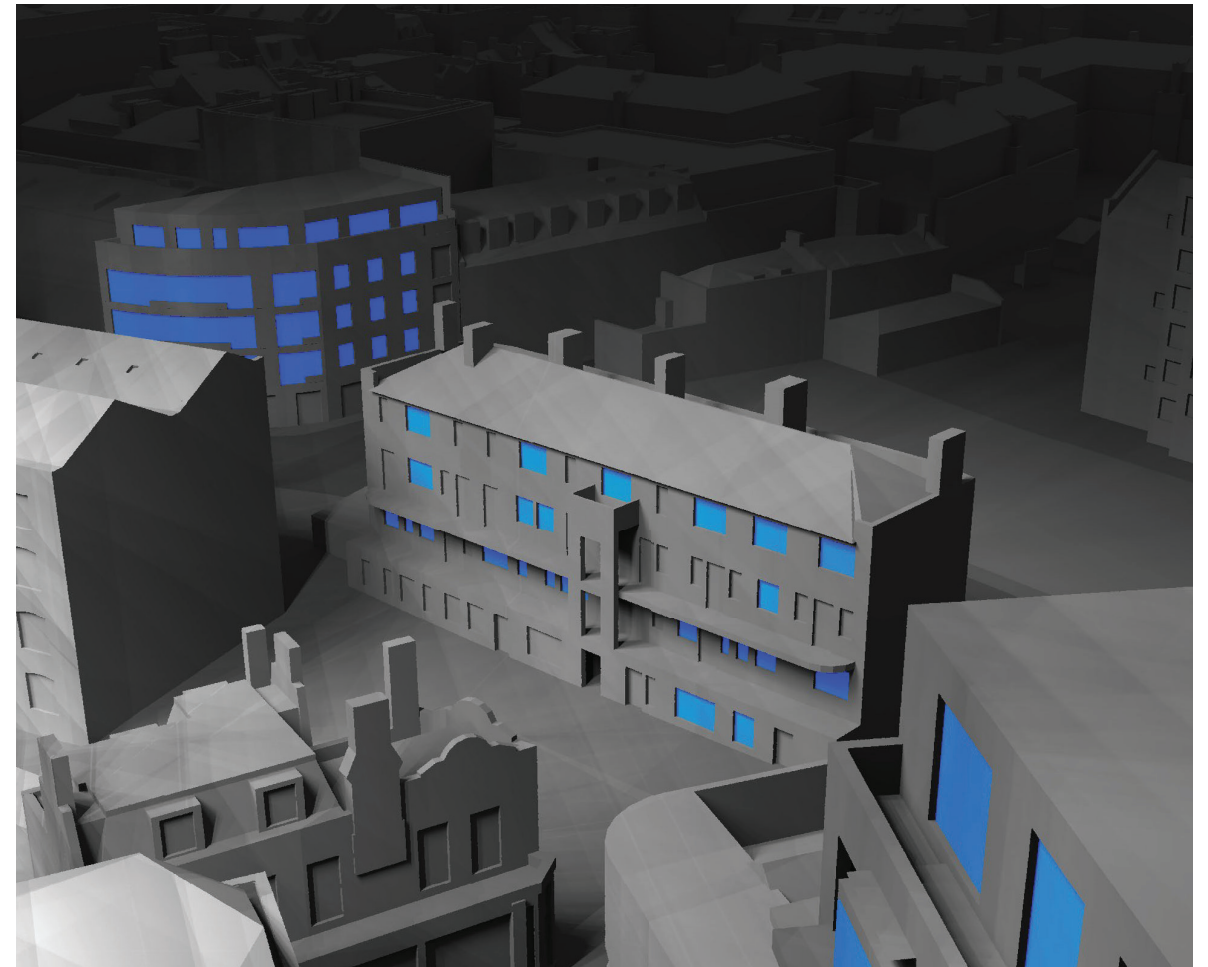
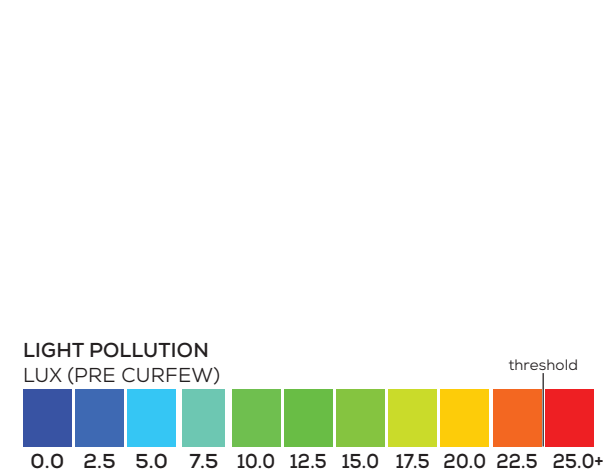
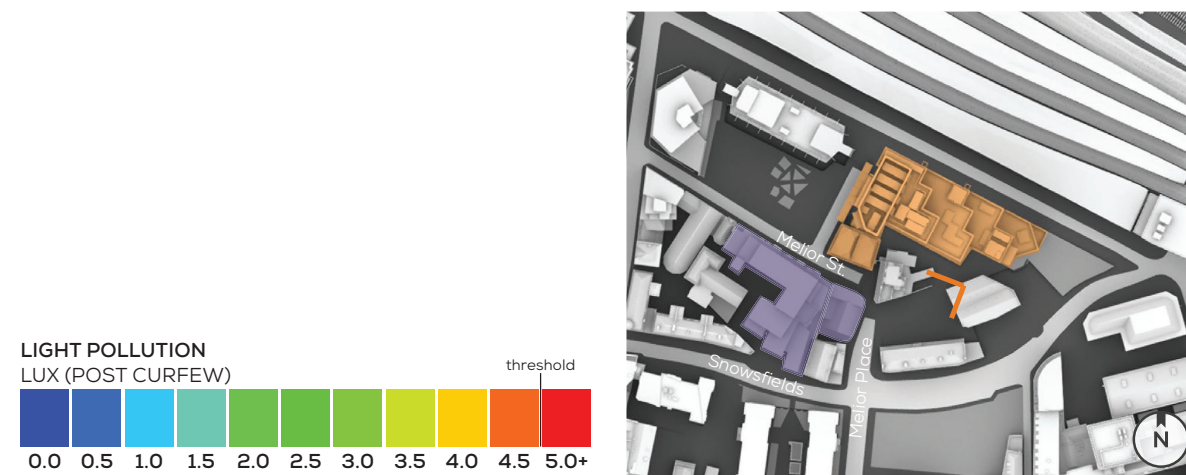


Fig. 09: Light Trespass Assessment - Pre Curfew



LIGHT TRESPASS ASSESSMENT  
POST CURFEW

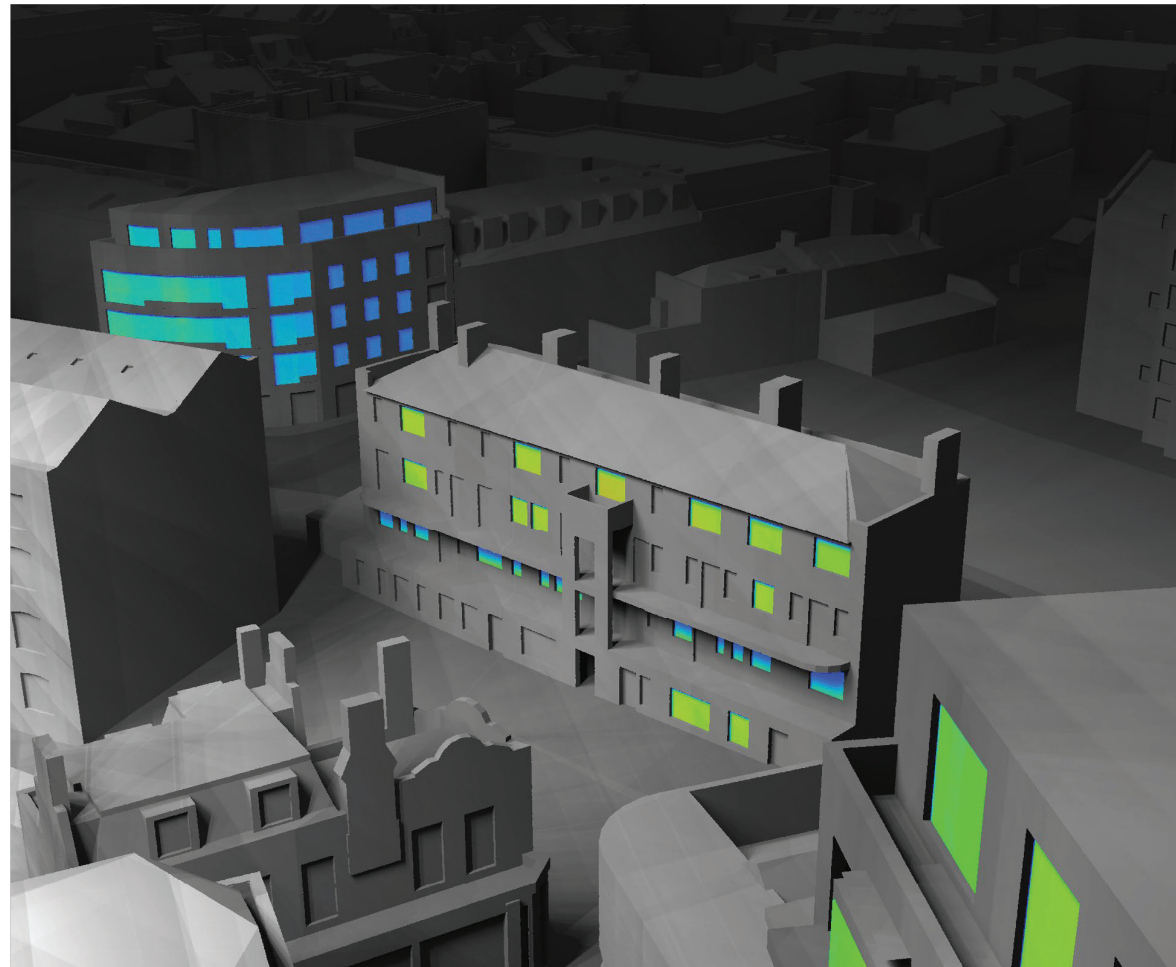


Fig. 10: Light Trespass Assessment - Post Curfew

LIGHT TRESPASS ASSESSMENT:  
PRE CURFEW

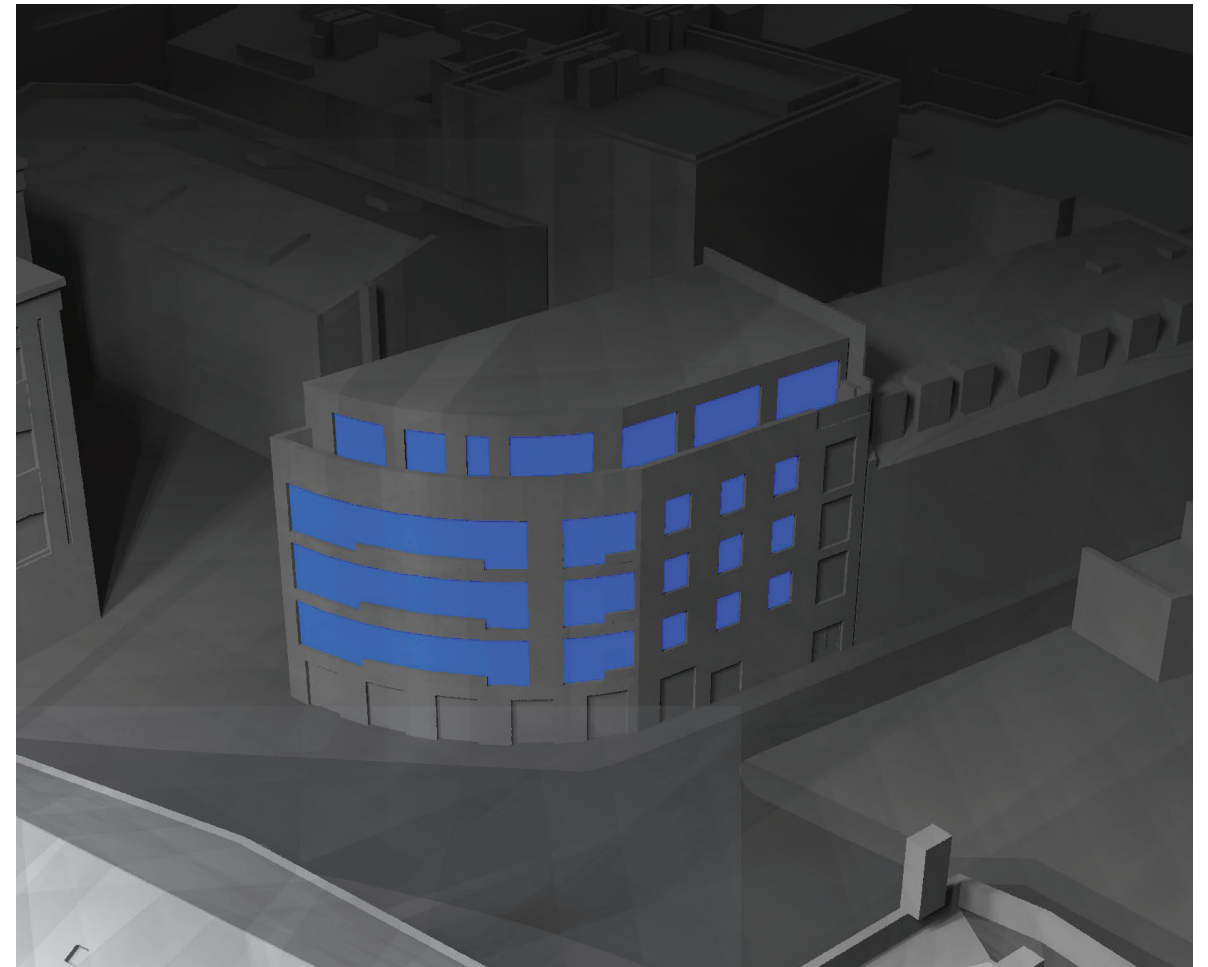
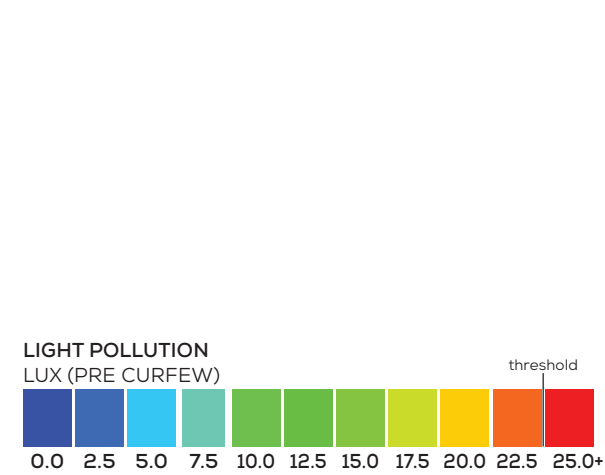
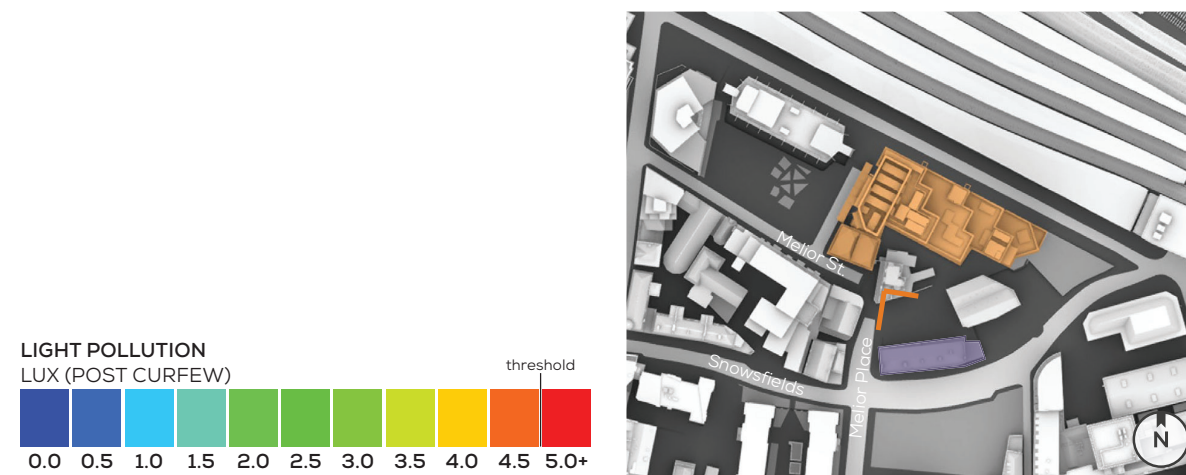


Fig. 11: Light Trespass Assessment - Pre Curfew



LIGHT TRESPASS ASSESSMENT  
POST CURFEW

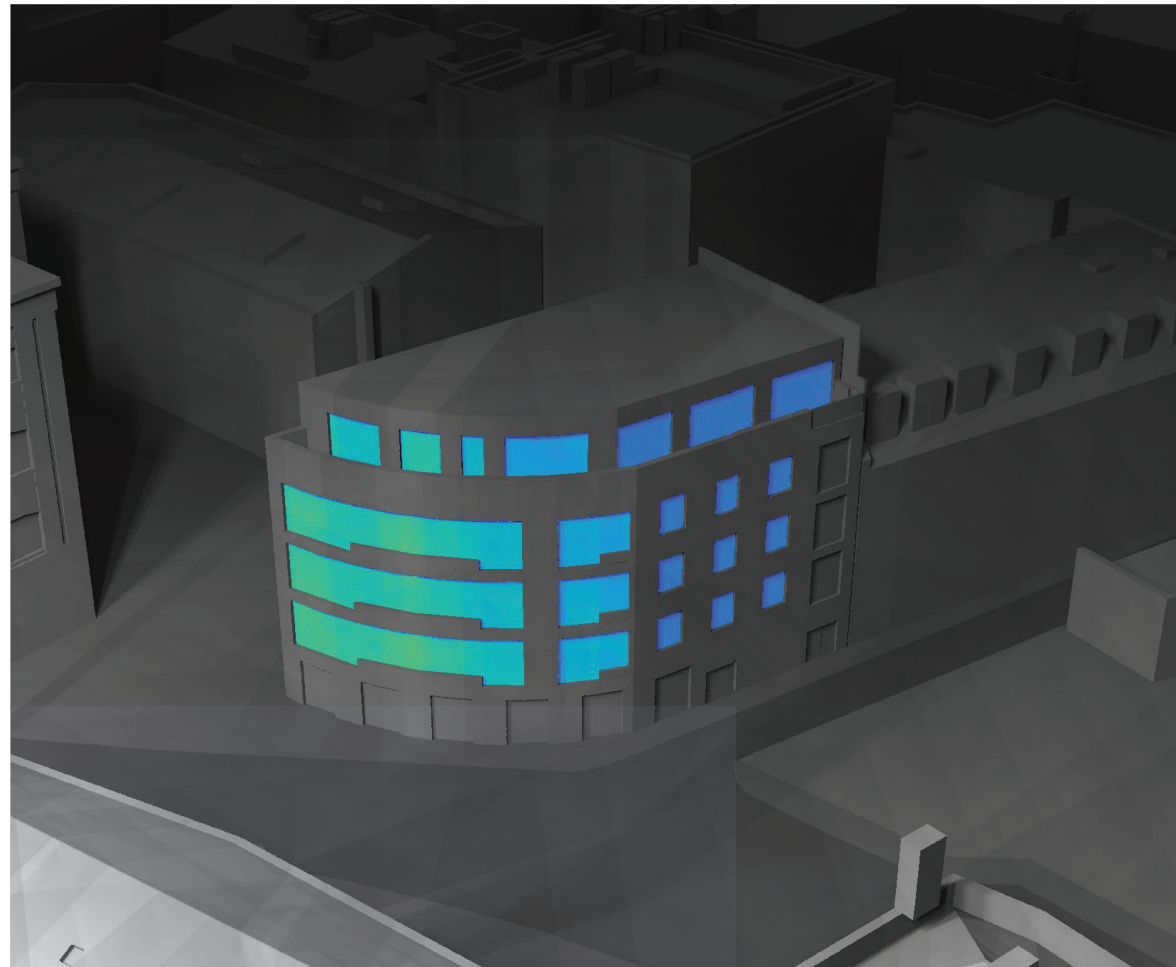


Fig. 12: Light Trespass Assessment - Post Curfew

LIGHT TRESPASS ASSESSMENT:  
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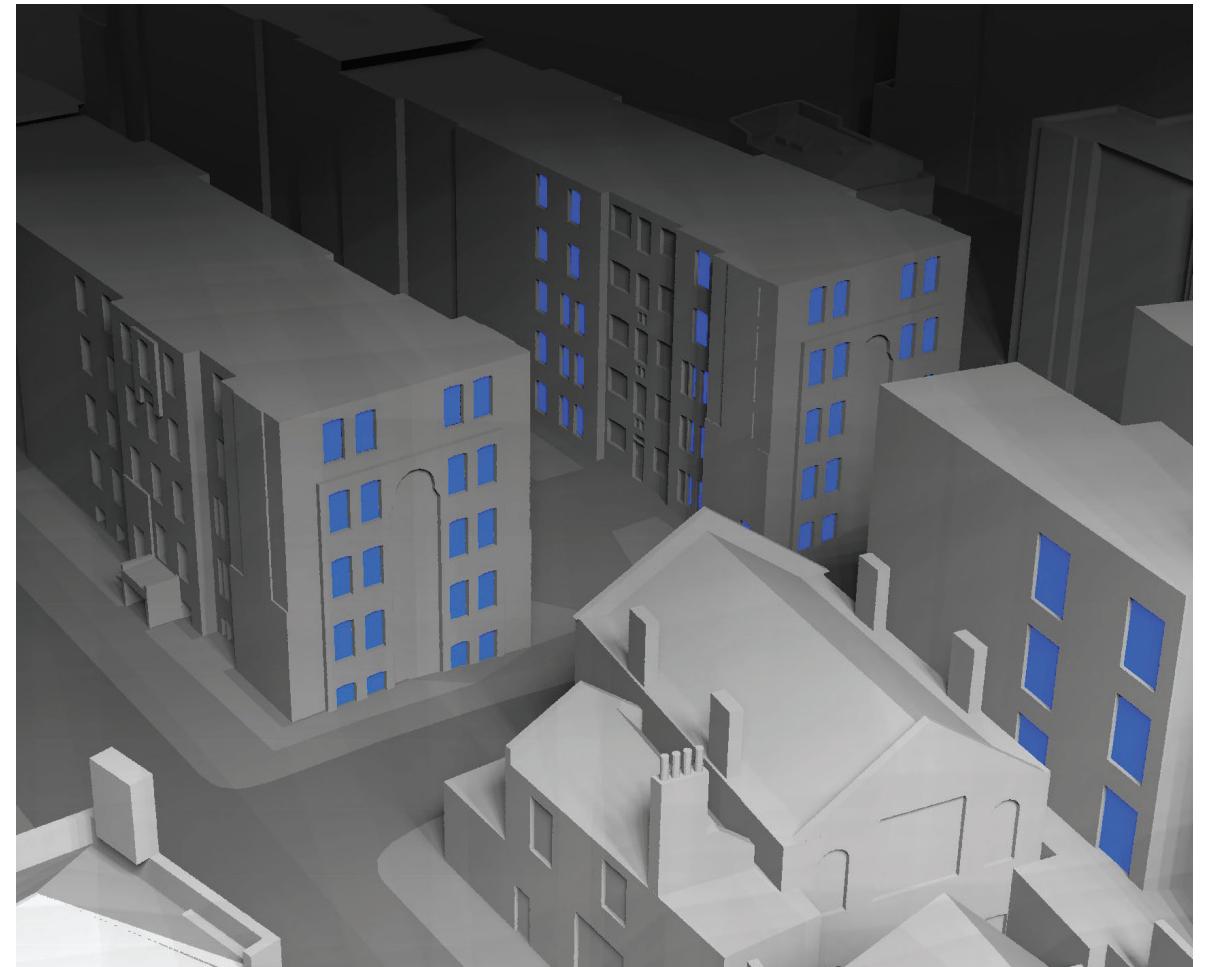
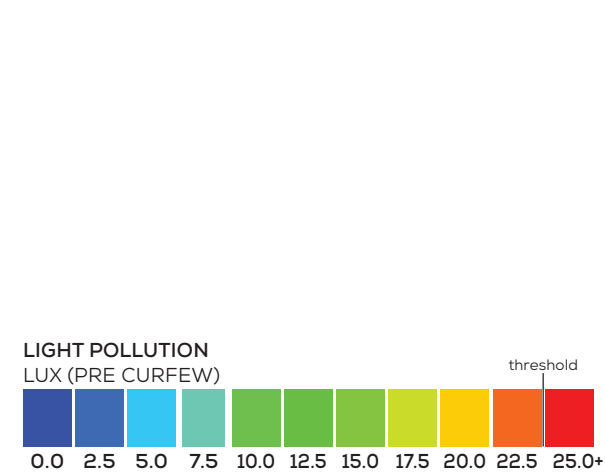
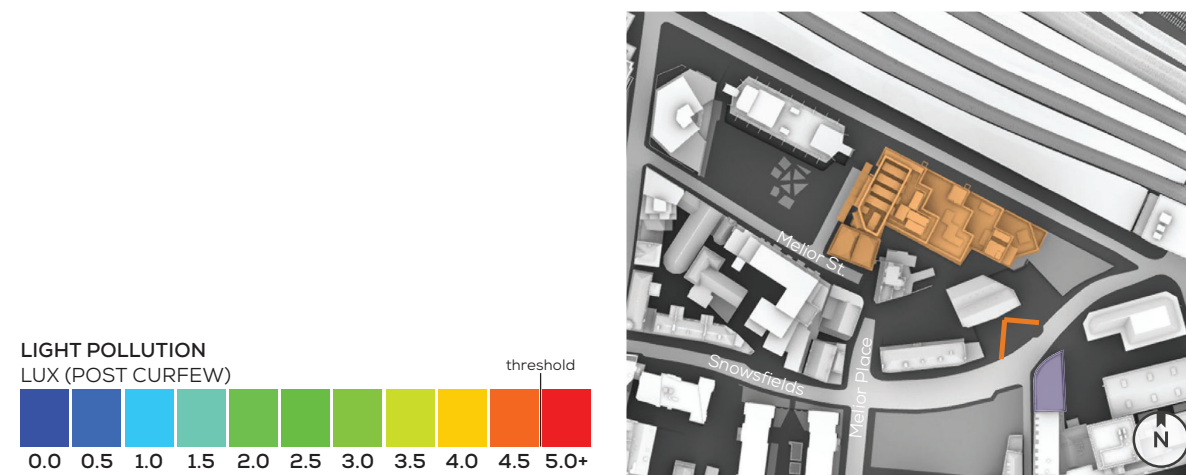


Fig. 13: Light Trespass Assessment - Pre Curfew



LIGHT TRESPASS ASSESSMENT  
POST CURFEW

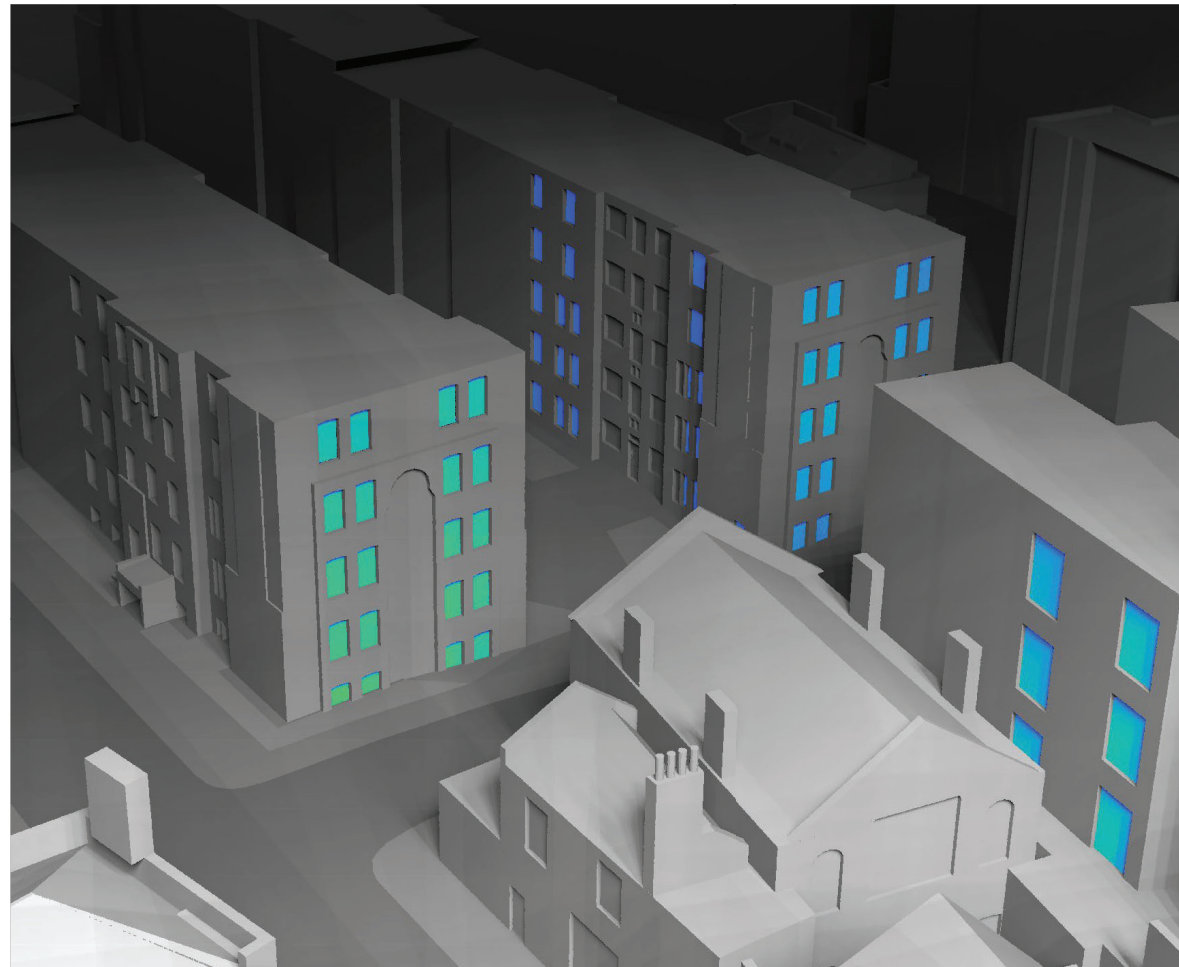
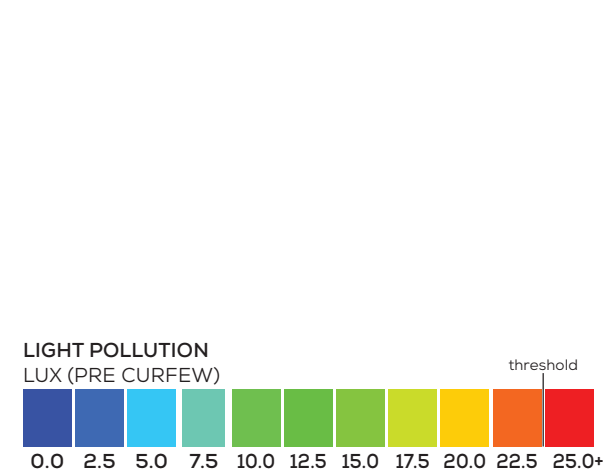
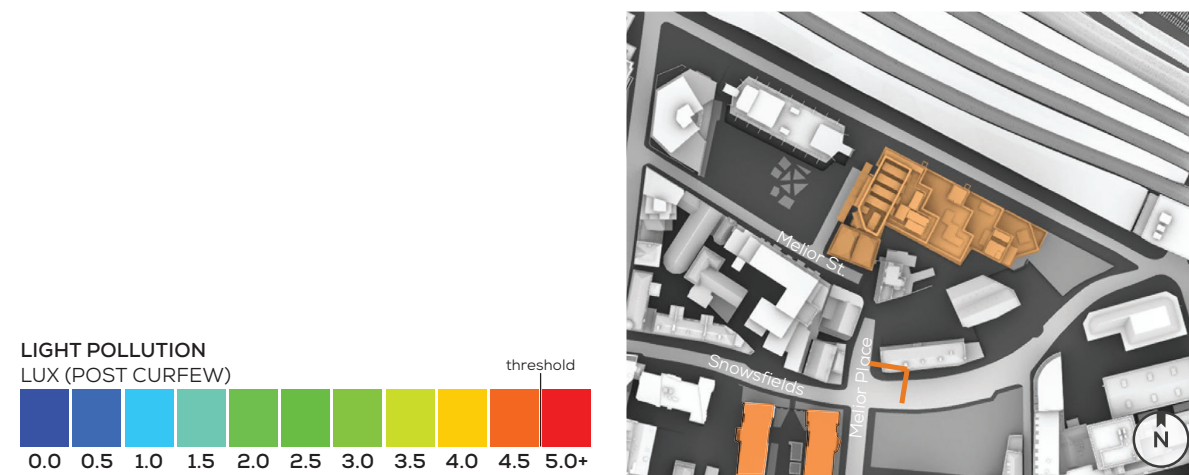


Fig. 14: Light Trespass Assessment - Post Curfew

LIGHT TRESPASS ASSESSMENT:  
PRE CURFEW



Fig. 15: Light Trespass Assessment - Pre Curfew



LIGHT TRESPASS ASSESSMENT  
POST CURFEW

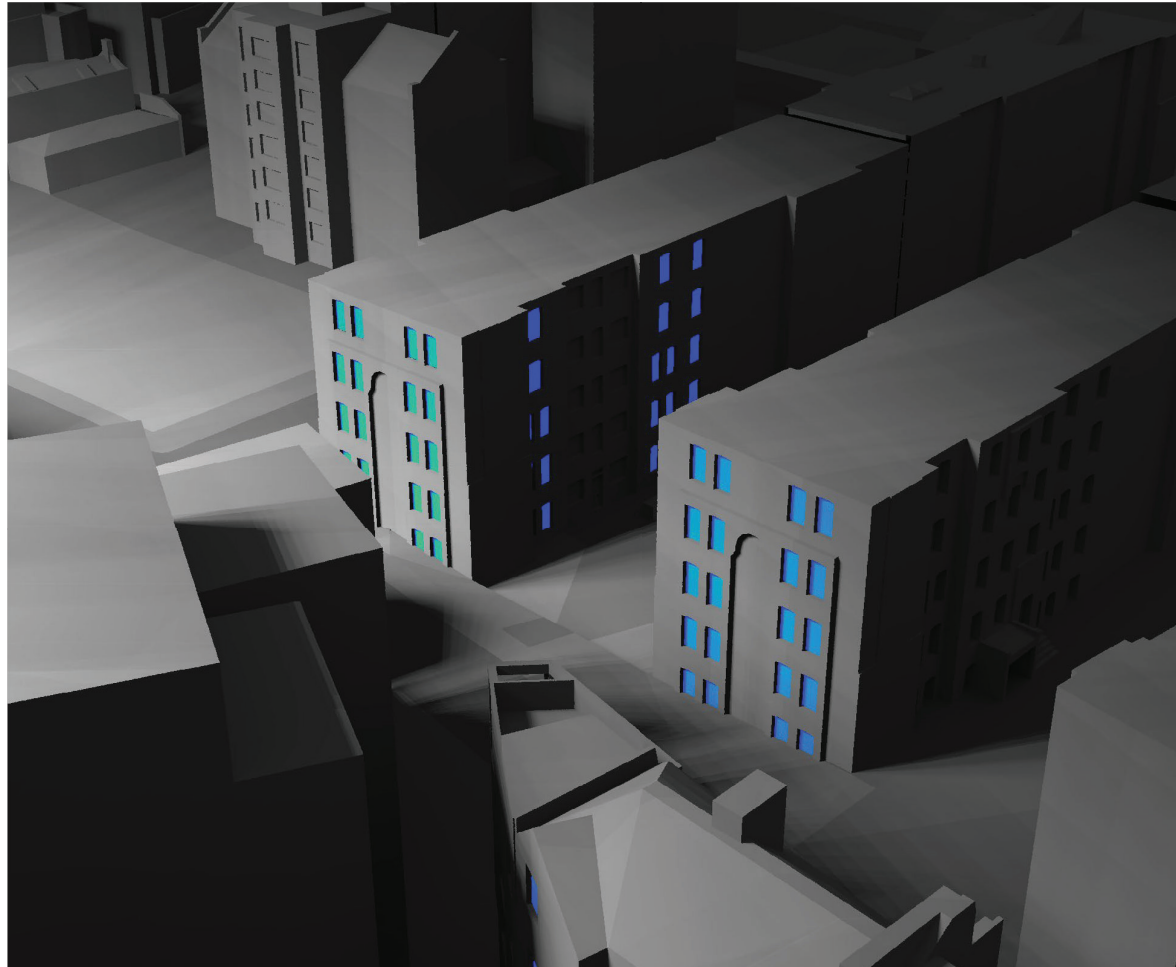


Fig. 16: Light Trespass Assessment - Post Curfew

LIGHT TRESPASS ASSESSMENT:  
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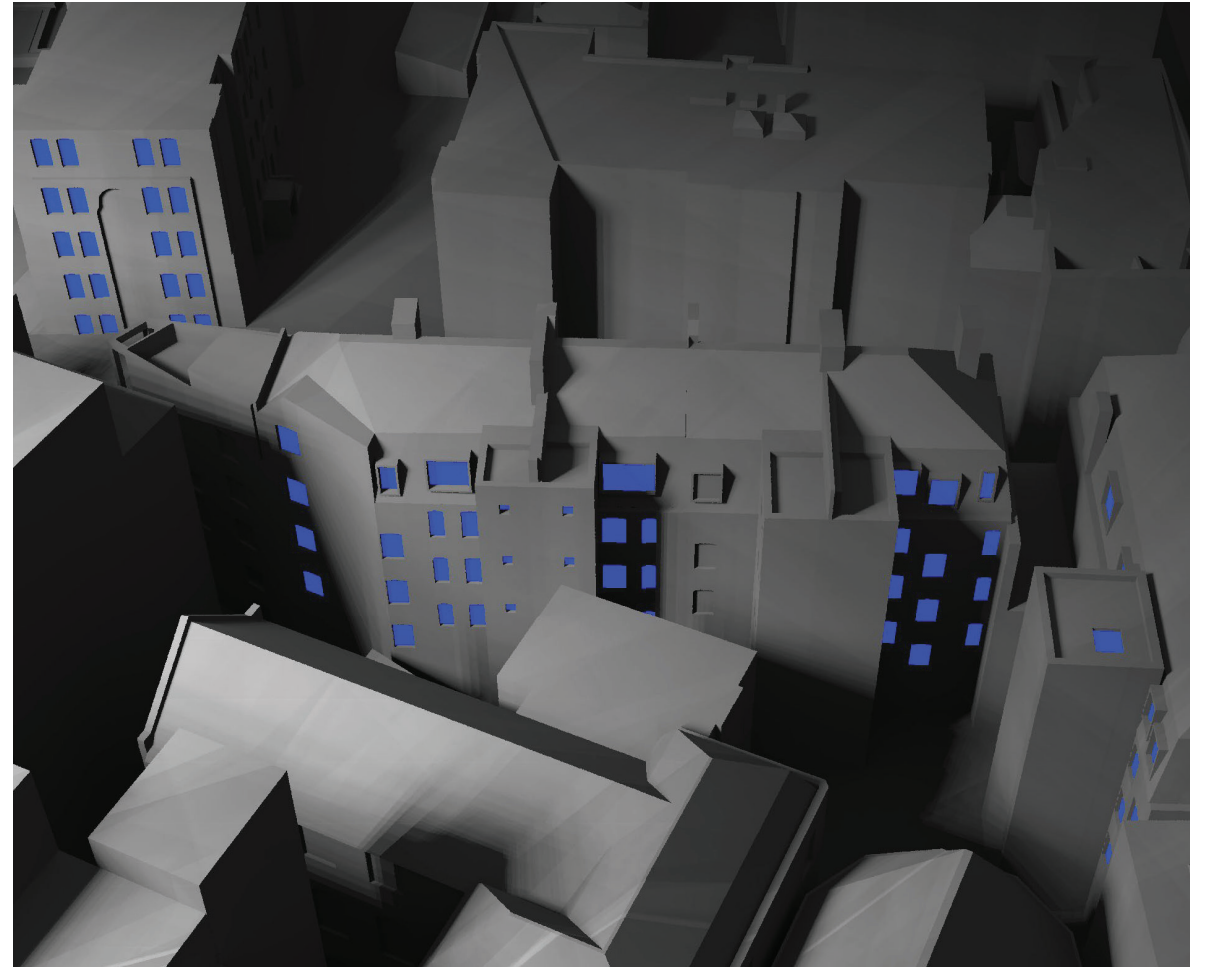
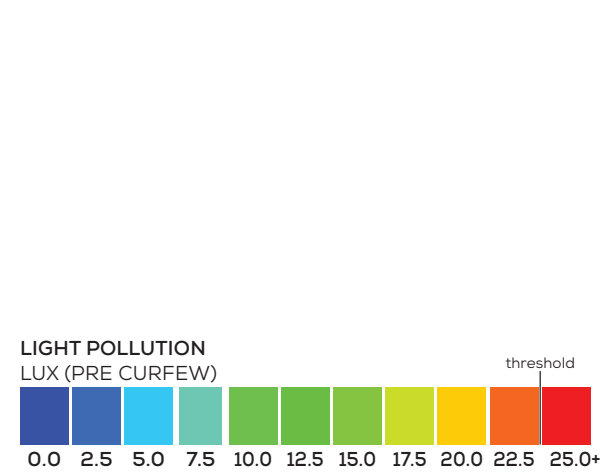
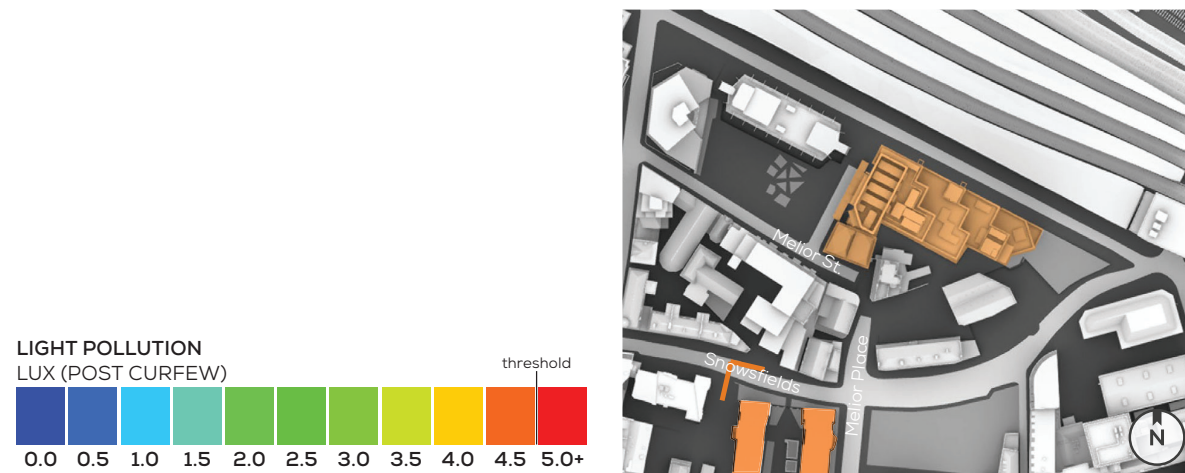


Fig. 17: Light Trespass Assessment - Pre Curfew



LIGHT TRESPASS ASSESSMENT  
POST CURFEW

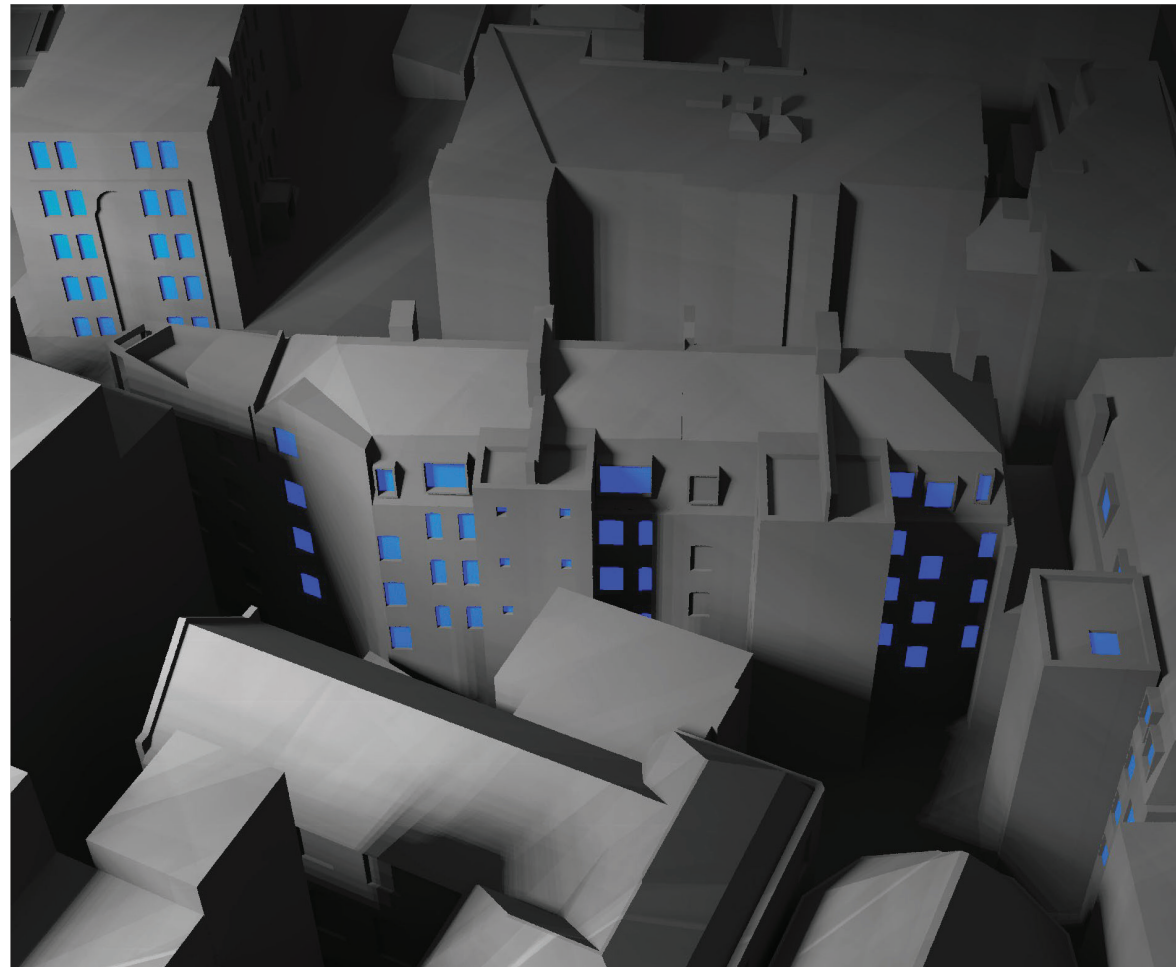


Fig. 18: Light Trespass Assessment - Post Curfew

LIGHT TRESPASS ASSESSMENT:  
PRE CURFEW

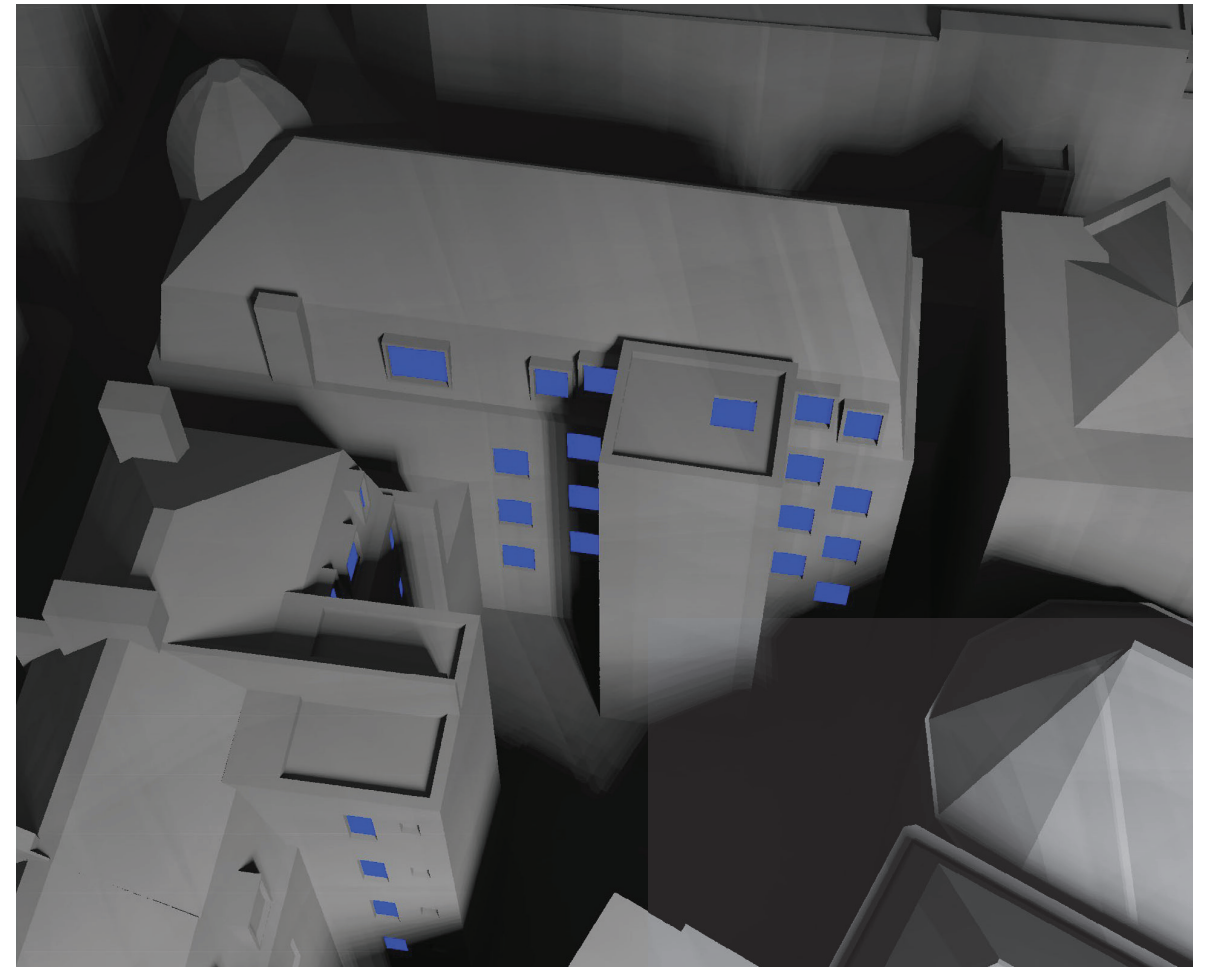
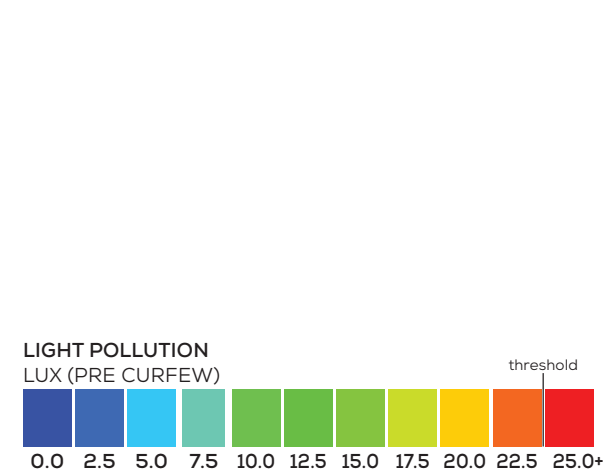
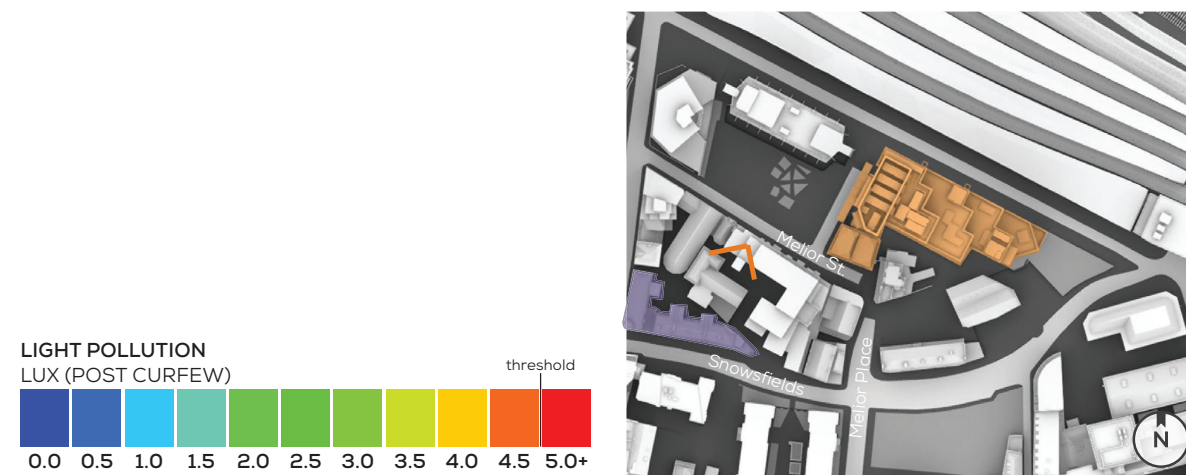


Fig. 19: Light Trespass Assessment - Pre Curfew



LIGHT TRESPASS ASSESSMENT  
POST CURFEW

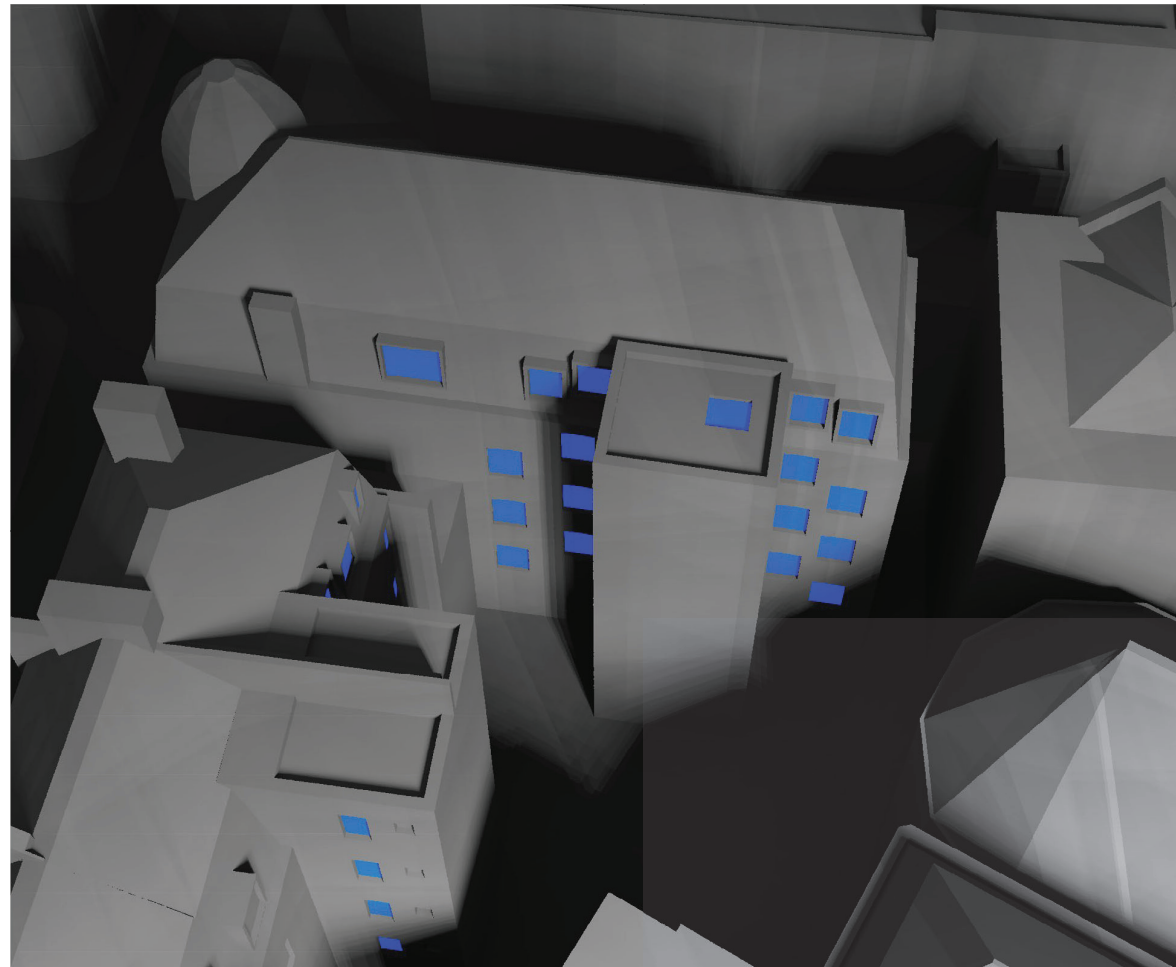
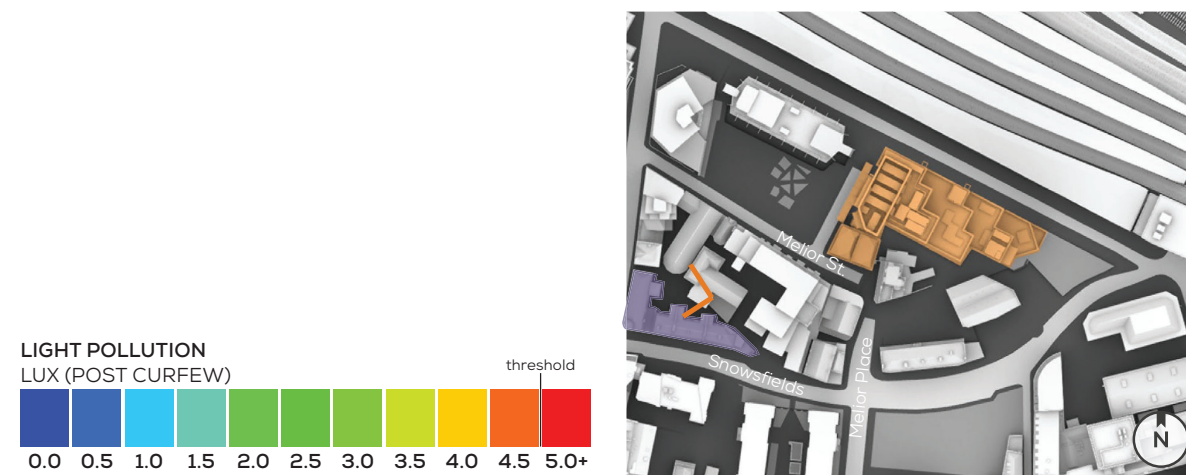


Fig. 20: Light Trespass Assessment - Post Curfew



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