



DAYLIGHT & SUNLIGHT

IMPACT ON NEIGHBOURING
PROPERTIES REPORT:
APPENDICES

Central Mental Hospital, Dundrum, Dublin

Dún Laoghaire Rathdown County Council, in
partnership with The Land Development Agency

29 April 2025

GIA No: **17967**

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Dún Laoghaire Rathdown County Council, in partnership with The Land Development Agency

Architect

Reddy Architecture + Urbanism

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DISCLAIMER:

N.B This report has been prepared for Dún Laoghaire Rathdown County Council, in partnership with The Land Development Agency by GIA as their appointed Daylight & Sunlight consultants. This report is intended solely for Dún Laoghaire Rathdown County Council, in partnership with The Land Development Agency and may contain confidential information. No part or whole of its contents may be disclosed to or relied upon by any Third Parties without the express written consent of GIA. It is accurate as at the time of publication and based upon the information we have been provided with as set out in the report. It does not take into account changes that have taken place since the report was written nor does it take into account private information on internal layouts and room uses of adjoining properties unless this information is publicly available. layouts and room uses of adjoining properties unless this information is publicly available.



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APPENDIX 01 ASSUMPTIONS

APPENDIX 01

ASSUMPTIONS

01

The context model has been produced using our VU.CITY platform. GIA have extracted the required area, creating a 3D model with an overall building tolerance of up to 150mm. The relevant windows have been added to the VU.CITY model from site photographs, observations and brick counting.

02

GIA have sought to create the most accurate 3D model possible based on the data available, however, a degree of tolerance should be applied.

03

The scope of buildings assessed has been determined as a reasonable zone which considers both the scale of the proposed scheme and the proximity of those buildings which surround and face the site. There may be properties outside of the considered scope that are affected by the scheme, however, no significant effects are anticipated.

04

Where layouts are unknown, the No Sky Line methodology has not been applied and instead the Vertical Sky Component methodology is relied upon. This is due to the fact that basing NSL calculations on assumed layouts could offer misleading figures. This follows the commentary within the BRE Guideline 2022 which states:

"In most cases the position of the no sky line has to be found from plans. The calculation can only be carried out where room layouts are known. Using estimated room layouts is likely to give inaccurate results and is not recommended. However where plans are available, for example on the local authority's online planning portal, the calculation should be carried out".

05

GIA have discounted rooms that appear to be or are confirmed to be bathrooms, hallways, circulation space etc. These rooms are not considered to be habitable and thus do not require assessment in accordance with the BRE Guidelines.

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APPENDIX 02

PRINCIPLES OF DAYLIGHT, SUNLIGHT & OVERSHADOWING

PRINCIPLES OF DAYLIGHT, SUNLIGHT & OVERSHADOWING

The Building Research Establishment (BRE) have set out in their handbook 'Site Layout Planning for Daylight & Sunlight: A Guide to Good Practice 3rd edition (2022)', guidelines and methodology for the measurement and assessment of daylight, sunlight and overshadowing.

1 BACKGROUND & CONTEXT

The quality of daylight and sunlight amenity as well as the overshadowing of open spaces is often stipulated within planning policy for protection or enhancement and a concern for adjoining owners and other interested parties.

The BRE Guidelines provide advice on site layout planning to determine the quality of daylight and sunlight both within buildings and reaching open spaces.

The BRE Guidelines note that the document is intended to be used in conjunction with the interior daylight recommendations found within the British Standard Daylight in buildings, BS EN 17037 and the CIBSE Publication LG 10 Daylighting – a guide for designers.

Whilst the BRE Guidelines are typically referred to for daylight sunlight and overshadowing matters within the planning process, they were not intended to be used as an instrument of planning policy, nor were the figures intended to be fixedly applied to all locations.

In the introduction of 'Site Layout Planning for daylight and sunlight (2022)', section 1.6 (page 7), states that:

"The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and this document should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly since natural lighting is only one of many factors in site layout design (see Section 5). In special circumstances the developer or planning authority may wish to use different target values. For example, in a historic city centre, or in an area with modern high-rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings".

Paragraph 2.2.3 (page 14) of the document states:

"Note that numerical values given here are purely advisory. Different criteria may be used based on the requirements for daylighting in an area viewed against other site layout constraints".

The numerical criteria suggested by the BRE are therefore designed to provide industry advice/guidance to plan/design with daylight in mind. Alternative values may be appropriate in certain circumstances such as highly dense urban areas. The BRE approach to creating alternative criteria is detailed within Appendix F of the Document.

Paragraph 2.2.2 (page 14) of the BRE Guidelines document states:

"intended for use for rooms in adjoining dwellings where daylight is required, including living rooms, kitchens, and bedrooms. Windows to bathrooms, toilets, storerooms, circulation areas, and garages need not be analysed."

Although primarily designed to be used for residential properties, the BRE Guidelines continue to state that they may be applied to any existing non-residential buildings where there may be a reasonable expectation of daylight including; schools, hospitals, hotels and hostels, small workshops, and some offices.

Many Local Planning Authorities consider daylight and sunlight an important factor for determining planning applications. Policies refer to both the protection of daylight and sunlight amenity within existing properties and areas of amenity as well as the creation of proposed dwellings and spaces with high levels of daylight and sunlight amenity.

Although Local Authorities will look to the BRE Guide to understand impacts it is their Planning Policies that will determine whether the changes in light should be a reason for refusal at planning.

It is an inevitable consequence of the built-up urban environment that daylight and sunlight will be more limited in dense urban areas. It is well acknowledged that in such situations there may be many other conflicting and potentially more important planning and urban design matters to consider other than just the provision of ideal levels of daylight and sunlight.

The following sections extract relevant sections from the Guide.

2 EFFECTS TO DAYLIGHT

The BRE Guidelines provide two methodologies for daylight impact assessment, namely;

- 1 The Vertical Sky Component (VSC); and
- 2 The No Sky Line (NSL).

Vertical Sky Component (VSC)

The Vertical Sky Component (VSC) method is described in the Glossary of BRE Guidelines as the:

“Ratio of that part of illuminance, at a point on a given vertical plane, that is received directly from a CIE standard overcast sky, to illuminance on a horizontal plane due to an unobstructed hemisphere of this sky. Usually the ‘given vertical plane’ is the outside of a window wall. The VSC does not include reflected light, either from the ground or from other buildings”

Put simply, the VSC provides an assessment of the amount of skylight falling on a vertical plane (generally a window) directly from the sky, in the circumstance of an overcast sky (CIE standard).

The national numerical value target “ideal” for VSC is 27%. The BRE Guidelines advise that upon

implementation of a development, a window should retain a VSC value of 27% or at least 0.8 of its former value (i.e. no more than a 20% change) as per paragraph 2.2.23 of the Guide.

This form of assessment does not take account of window size, room use, room size, window number or dual aspect rooms. The assessment also assumes that all obstructions to the sky are 100% non-reflective thereby omitting the consideration of reflection and considering only the light coming directly from the sky.

The VSC calculation is undertaken in both the existing and proposed scenarios so as to make a comparison.

The image in Figure 01 depicts a Waldram Diagram which can be used to calculate the VSC. The existing buildings are solidly pictured with the proposed scheme semi-transparent in the foreground.

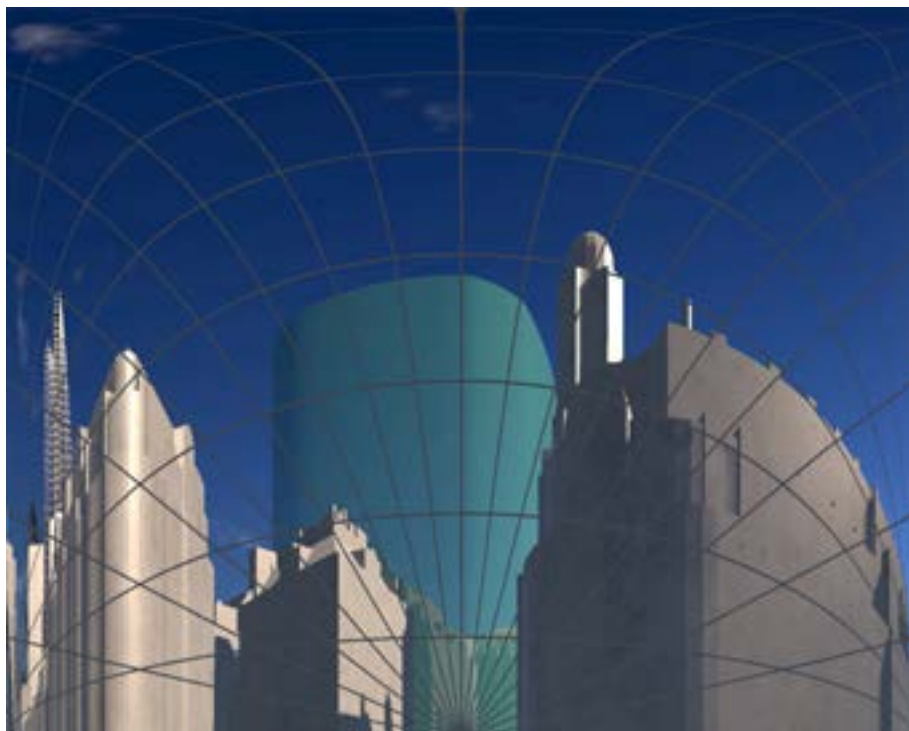


Fig. 01: Waldram diagram

No Sky Line (NSL)

In addition to the VSC, the BRE recommends the NSL method of assessment where internal layouts are known. Whilst the VSC provides information on the quantum of light reaching a window, the NSL seeks to provide information on how well this light is distributed within the room. The NSL is sometimes also referred to as 'Daylight Distribution' for this reason.

The NSL is defined in the Glossary of the Guide as "the outline on the working plane of the area from which no sky can be seen." and so the NSL is effectively an assessment of sky visibility within a room. As stated already, the calculation is undertaken across the working plane which in accordance with paragraph 2.2.10 "in houses [...] is assumed to be horizontal and 0.85m high".

Again, both the existing and proposed positions are calculated and presented alongside any change in position of the NSL. The results can then be presented in table format or else illustrated on a contour plot if required, an example of which can be found in Figure 02 below.

The BRE Guidelines state at paragraph 2.211 that:

"If, following construction of a new development, the no sky line moves so that the area of the existing room, which does receive direct skylight, is reduced to less than 0.8 times its former value this will be noticeable to the occupants, and more of the room will appear poorly lit. This is also true if the no sky line encroaches on key areas like kitchen sinks and worktops."

In accordance with the strict application of the national numerical values, therefore the change in daylight would be noticeable to the occupants should the NSL experience a loss of NSL greater than 20%.

It is relevant to note that this assessment takes the number and size of windows serving a room into account as well as the shape of the room but, being concerned only with sky visibility and the distribution of light, does not consider the quantum of light reaching the room.

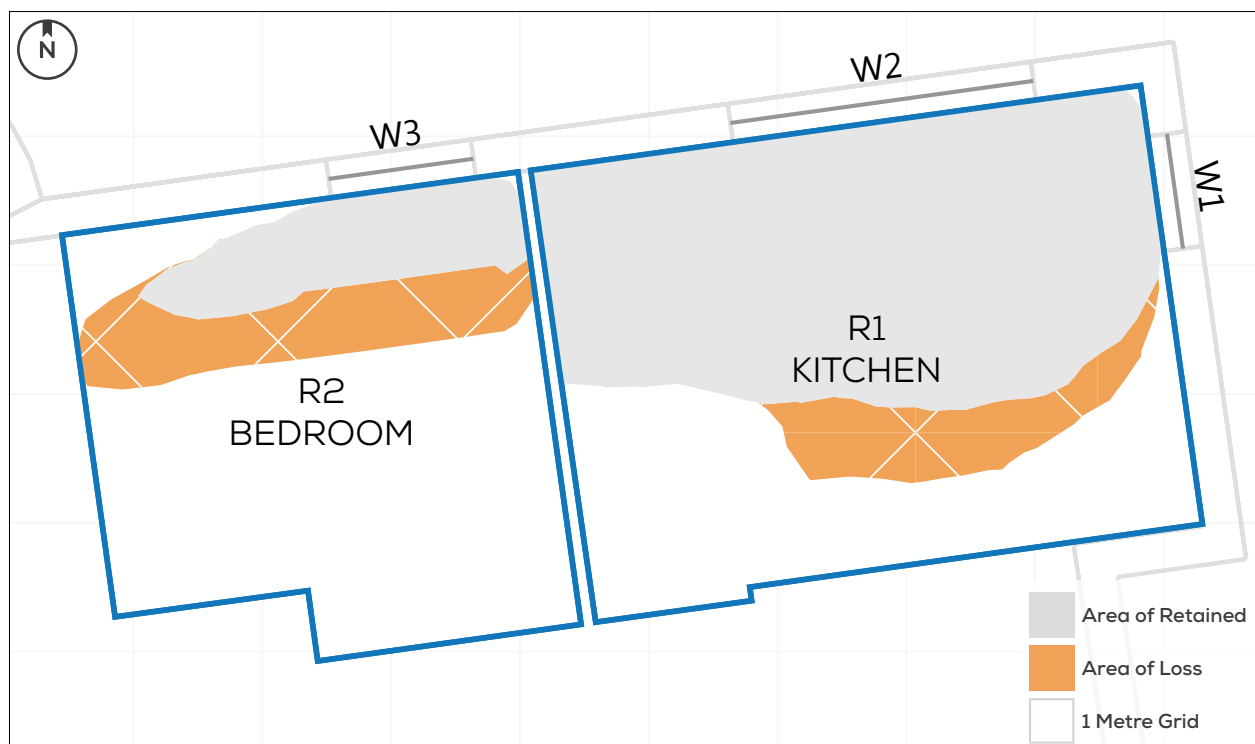


Fig. 02: Example NSL diagram

Decision Chart (Figure 20 of the BRE Guide)

The flowchart in Figure 03 illustrates the steps and criteria outlined within the BRE Guidelines to understand whether the daylighting (VSC and NSL) may be significantly affected.

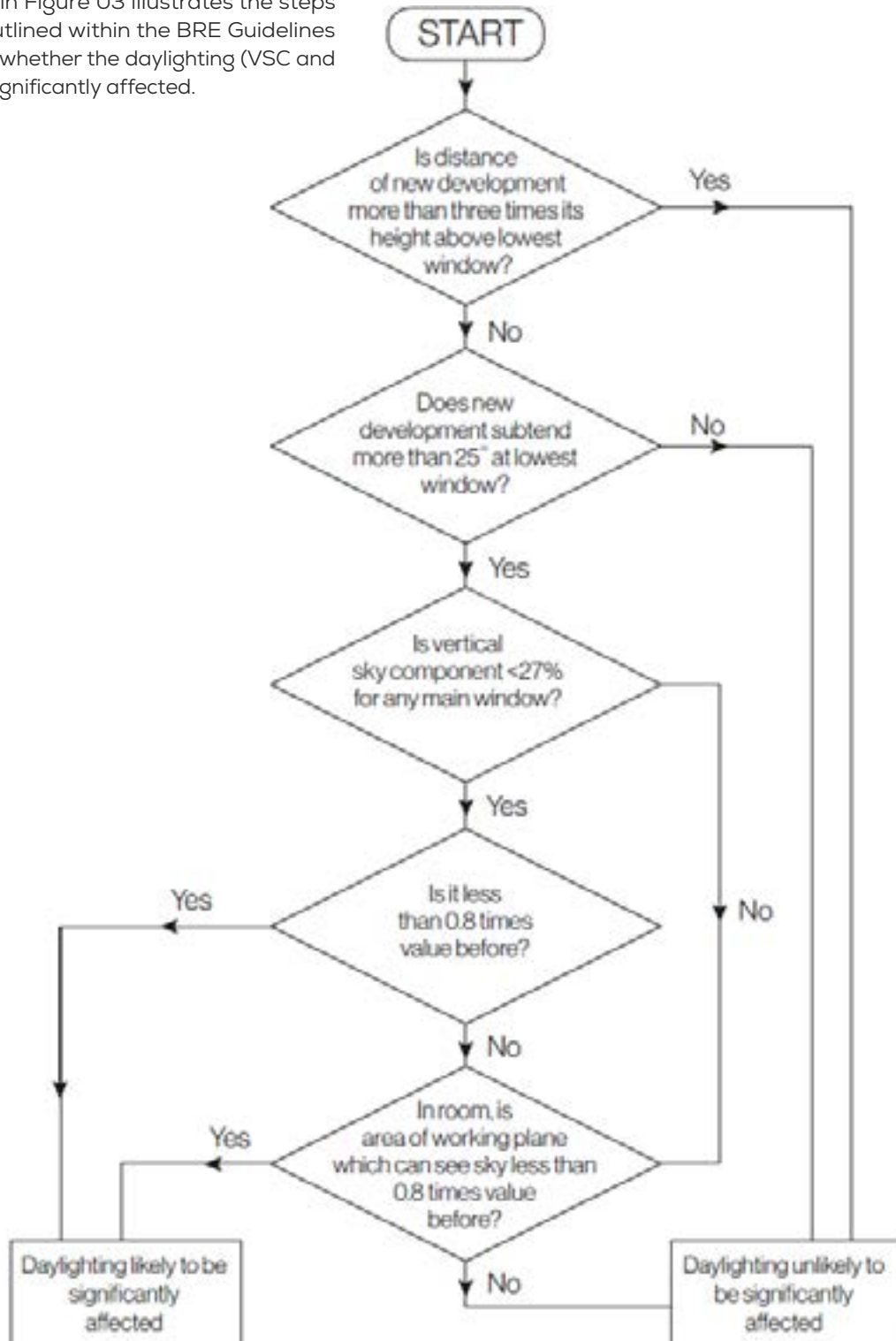


Fig. 03: BRE Decision Chart (Figure 20): diffuse daylight in existing buildings. This does not include an assessment of rights to light issues, which a developer may need to consider separately

3 EFFECTS TO SUNLIGHT

Annual Probable Sunlight Hours (APSH)

The BRE Guidance suggests that to understand sunlight impacts to a property, an assessment of Annual Probable Sunlight Hours (APSH) is undertaken. The APSH is defined in the Glossary as:

“the long-term average of the total number of hours during a year in which direct sunlight reaches the unobstructed ground (when clouds are taken into account)”

Expanding on the above from the BRE Guidelines, long-term averages were used to position 100 spots in the sky, representative of sunlight over the whole year. Correlating to the probability of the sun to shine, the majority of these (70) are at times to the six-months containing summer (from spring equinox to autumn equinox) which 30 are the ‘winter’ months from autumn equinox to spring. The APSH is calculated though calculating how many of these ‘spots’ can be seen from a location (normally a window) both overall and how many of these are during the winter months.

To understand the potential sunlight impacts therefore, all windows facing within 90 degrees of due south and overlooking the development are generally assessed for APSH.

The BRE Guidelines set out the overall methodology and criteria for the assessment of Sunlight in Chapter 3. The BRE Guidelines state in paragraph 3.2.3 and 3.2.5:

“To assess loss of sunlight to an existing building, it is suggested that all main living rooms of dwellings, and conservatories, should be checked if they have a window facing within 90 degrees of due south. Kitchens and bedrooms are less important, although care should be taken not to block too much sun.”

“A point at the centre of the window on the outside face of the window wall may be taken.”

In interpreting the results, the BRE Guidance states in summary 3.2.13 that:

“If a living room of an existing dwelling has a main window facing within 90° of due south, and any part of a new development subtends an angle of more than 25° to the horizontal measured from the centre of the window in a vertical section perpendicular to the window, then the sunlighting of the existing dwelling may be adversely affected. This will be the case if the centre of the window:

- receives less than 25% of annual probable sunlight hours, or less than 5% of annual probable sunlight hours between 21 September and 21 March, and*
- receives less than 0.8 times its former sunlight hours during either period; and*
- has a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.”*

The image in Figure 04 depicts the APSH sun spots overlaid on a WalDRAM Diagram. The existing buildings are solidly pictured with the proposed scheme semi-transparent in the foreground. The yellow spots indicate summer sun and the blue spots indicate winter sun.



Fig. 04: Waldram diagram

4 EFFECTS TO OVERSHADOWING

The BRE guidance in respect of overshadowing of amenity spaces is set out in section 3.3.1 of the handbook. Here it states as follows:

"Sunlight in the spaces between and around buildings has an important impact on the overall appearance and ambiance of a development. It is valuable for a number of reasons, to:

- *provide attractive sunlit views (all year)*
- *make outdoor activities like sitting out and children's play more pleasant (mainly warmer months)*
- *encourage plant growth (mainly spring and summer)*
- *dry out the ground, reducing moss and slime (mainly in colder months)*
- *melt frost, ice and snow (in winter)*
- *dry clothes (all year)."*

It must be acknowledged that in urban areas the availability of sunlight on the ground is a factor which is significantly controlled by the existing urban fabric around the site in question and so may have very little to do with the form of the development itself. Likewise, there may be many other urban design, planning and site constraints which determine and run contrary to the best form, siting and location of a proposed development in terms of availability of sun on the ground.

Sun Hours on Ground & Transient Overshadowing

The Sun Hours on Ground method of overshadowing assessment uses specialist software to determine the sunlight exposure across an area of amenity.

The BRE Guidelines suggest that the Spring Equinox (21 March), being the year's midpoint, is a suitable date for the assessment. Paragraph 3.3.17 states:

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

The Transient Overshadowing study is recommended where large buildings are proposed which may affect a number of gardens or open spaces or where an area is particularly sensitive at certain times of day or year. For the purpose of this assessment, the additional shadow cast is mapped and highlighted at hourly intervals from sunrise to sunset on the following dates:

- 21 March (Spring equinox)
- 21 June (Summer solstice)
- 21 December (Winter solstice)

The BRE guidelines do not provide any suggested criteria for Transient Overshadowing, rather it is a qualitative assessment to aid understanding.

5 BRE GUIDELINES: ADDITIONAL DAYLIGHT AND SUNLIGHT TESTS

Daylight - VSC and APSH to Rooms

As outlined within the BRE Guidelines (paragraph 2.2.6), the VSC value is calculated for each window; however:

"If a room has two or more windows of equal size, the mean of their VSCs may be taken".

Where a room is served by two or more windows of the same or different sizes, the VSC value to the room can be calculated by applying an average weighting calculation to understand the VSC value to the room. The formula used is as follows;

$$\Sigma(Vn \cdot An) / \Sigma An$$

Where:

V = window VSC

A = window area

n = the number of windows

The BRE provide a methodology to calculate APSH in relation to the room and window, paragraph 3.1.12 states:

"If a room has multiple windows, the amount of sunlight received by each can be added together provided they occur at different times and sunlight hours are not double counted."

The above extract of the BRE is in relation to proposed units rather than existing buildings. It does, however, make sense to apply this methodology to existing rooms as well, when room layouts are known as a room served by multiple windows could receive the benefit of sunlight from all windows and not just one.

GIA calculate the APSH room assessment in the following way:

- 1 The sunlight hours (both winter and annual) are calculated for each window. Instead of simply returning the overall per cent pass rate, i.e. one figure for winter, and one for the whole year, the yes/no result of each of the 100 sun spots is tracked. For this accounting to work, each sun dot needs to be assigned a unique identifier, e.g. from 1 to 100;

- 2 The sets of 100 sun spots are combined for each room using Boolean logic, i.e. conjunctions of yes/no values. The outcome of this step is a set of 100 yes/no values corresponding to the 100 sun spots, but on a per-room basis. Each per-room dot is counted if it is unobstructed for at least one of its windows; and
- 3 The unobstructed sun dots for the room are summed up and expressed as a percentage of the total number of annual and winter spots.

Balconies/Overhangs

The BRE recognises that existing architectural features on neighbouring buildings such as balconies and overhangs inherently restrict the quantum of skylight to a window. The BRE Guidelines note on page 11, paragraph 2.1.17 and page 16, paragraph 2.2.13:

"This is a particular problem if there are large obstructions opposite; with the combined effect of the overhang and the obstruction, it may be impossible to see the sky from inside the room, and hence to receive any direct skylight or sunlight at all."

"Existing windows with balconies above them typically receive less daylight. Because the balcony cuts out light from the top part of the sky, even a modest obstruction opposite may result in a large relative impact on the VSC, and on the area receiving direct skylight. One way to demonstrate this would be to carry out an additional calculation of the VSC and the area receiving direct skylight, for both the existing and proposed situations, without the balcony in place."

As noted by the BRE Guidelines, where there are existing overhanging features, larger reductions in skylight and sunlight may be unavoidable and alternative criteria can be used. The guidance suggests that in such situations a calculation is carried out that excludes the balcony or the obstruction.

6 DAYLIGHT - MIRROR MASSING & ADJOINING DEVELOPMENT LAND

Alternative target Values for Skylight and Sunlight Access "Mirror Massing"

The BRE Guidelines provide a calculation for the VSC and APSH analysis to quantify an appropriate alternative value based on the context of an environment. This approach is known as the 'mirror image' analysis (see Figure 05).

The BRE notes in paragraph F5:

"where an existing building has windows that are unusually close to the site boundary and taking more than their fair share of light. Figure F3 shows an example where side windows of an existing building are close to the boundary. To ensure that new development matches the height and proportions of existing buildings, the VSC and APSH targets for these windows could be set to those for a 'mirror-image' building of the same height and size, an equal distance away on the other side of the boundary."

This analysis is used to understand the levels of Daylight (VSC) and Sunlight (APSH) that would be experienced by an extant neighbouring property if there were a building of the same height and extent opposite.

The mirror image assessment is fairly simplistic and is not, therefore, easily applied to large and complex site footprints which are not all built at equal distances from the site boundary or of the same footprint.

Adjoining Development Land

The "Adjoining Development Land" analysis provided within the BRE Guidelines is a simple test to ensure that a proposal is a reasonable distance from the boundary so as to "enable future nearby developments to enjoy a similar access to daylight." (2.3.1)

The BRE comments in paragraphs 2.3.3, 2.3.6 and 2.3.7 that:

"The diffuse daylight coming over the boundary may be quantified in the following way. As a first check, draw a section in a plane perpendicular to the boundary (Figure 21). If a road separates the two sites then the centre line of the road

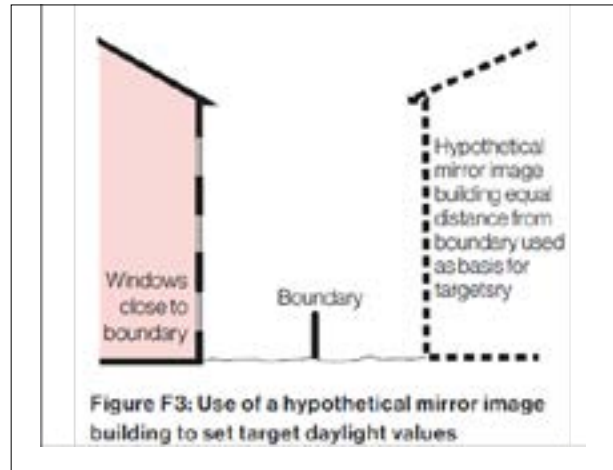


Fig. 05: Littlefair, P. (2022). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: HIS BRE Press p 87 Figure F3

should be taken. Measure the angle to the horizontal subtended at a point 1.6 metres above the boundary by the proposed new buildings. If this angle is less than 43° then there will normally still be the potential for good daylighting on the adjoining development site (but see Sections 2.3.6 and 2.3.7)."

"The guidelines above should not be applied too rigidly. A particularly important exception occurs when the two sites are very unequal in size and the proposed new building is larger in scale than the likely future development nearby. This is because the numerical values above are derived by assuming the future development will be exactly the same size as the proposed new building (Figure 22). If the adjoining sites for development are a lot smaller, a better approach is to make a rough prediction of where the nearest window wall of the future development may be; then to carry out the 'new building' analysis in Section 2.1 for this window wall."

"The 43° angle should not be used as a form generator, to produce a building which slopes or steps down towards the boundary. Compare Figure 23 with Figure 22 to see how this can result in a higher than anticipated obstruction to daylight. In Figure 23 the proposed building subtends 34° at its mirror image, rather than the maximum of 25° suggested here. In cases of doubt, the best approach is again to carry out a new building analysis for the most likely location of a window wall of a future development."

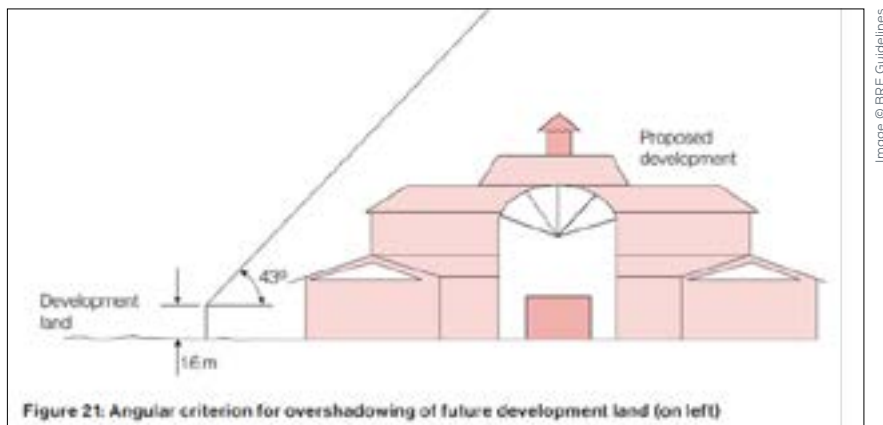


Fig. 06: Littlefair, P. (2022). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: HIS BRE Press p 19 Figure 21

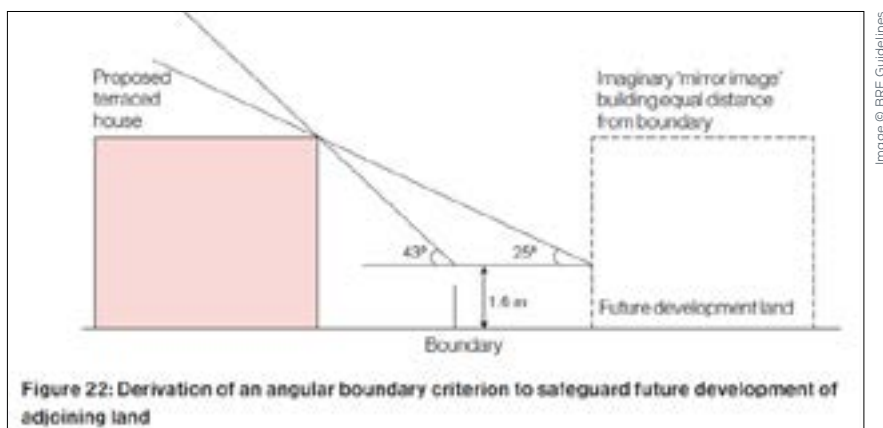


Fig. 07: Littlefair, P. (2022). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: HIS BRE Press p 20 Figure 22

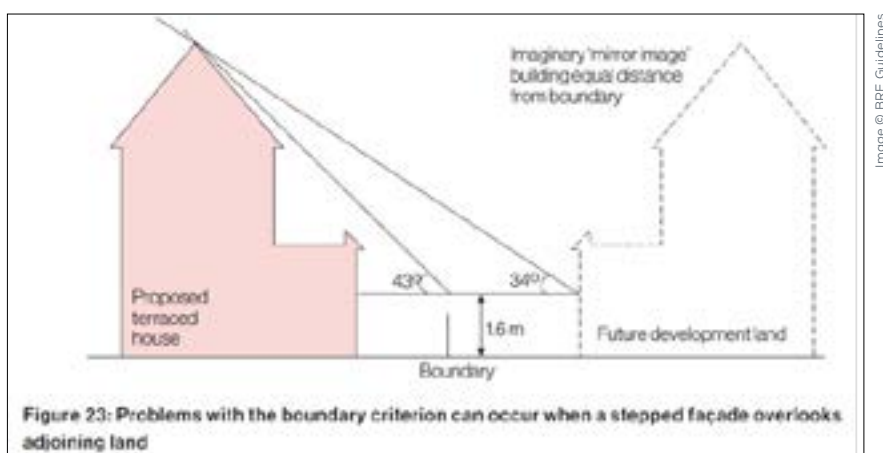


Fig. 08: Littlefair, P. (2022). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: HIS BRE Press p 20 Figure 23

As outlined above, the Adjoining Development Land analysis is predicated on ensuring that a proposal next to future development land is not negatively impacting the ability to develop in consideration of light matters.

7 PHOTOVOLTAICS

Paragraph 4.5.2 states that “where a proposed development may result in loss of radiation to existing solar panels (either photovoltaic or solar thermal), an assessment should be carried out.”

Paragraph 4.5.8 states that “Where the annual probable sunlight hours received by a solar panel with the new development in place is less than 0.90 times the value before, a more detailed calculation of the loss of solar radiation should be undertaken. This is a specialist type of assessment and expert advice should be sought. The assessment should include both direct solar and diffuse sky radiation; over a whole year, around 60% of the radiation received on a horizontal roof comes from the sky. However, reflected radiation from the ground and obstructions need not be included. The modelling should take account of the effects of cloud in reducing direct solar radiation at different times of year, and include a realistic simulation of the way that incoming solar radiation varies from different parts of the sky.”

Paragraph 4.5.9 states that “if over the whole year the ratio of total solar radiation received with the new development, to the existing value is less than the values given in Table 2, then the loss of radiation is significant.”

Table 2. Recommended minimum ratios of solar radiation received.

Slope of solar panel in degrees to horizontal	Recommended minimum ratio of radiation received after/before
0-30	0.90
30.01-59.99	0.85
60-90	0.80

Fig. 09: Table 2 from BRE Guidance Section 4, page 36

Finally, paragraph 4.5.10 notes that “numerical values given are purely advisory. Different criteria may be used based on the requirements for solar energy in an area viewed against other site layout constraints. Another important issue is whether the existing solar panels are reasonably sited, at a sensible height and distance from the boundary. A greater loss of solar radiation may be inevitable if panels are mounted close to the ground and near to the site boundary.”

8 OTHER AMENITY CONSIDERATIONS

Daylight and sunlight is one factor among many under the heading of residential amenity considerations for any given development design or planning application; others include:

- View;
- Privacy;
- Security;
- Access;
- Enclosure;
- Microclimate;
- Solar Dazzle; and
- Solar Convergence.

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APPENDIX 03 DRAWINGS

APPENDIX 03

DRAWINGS:

EXISTING



SOURCES OF INFORMATION

IR04 - VU CITY
MODEL
RECEIVED 19.03.2021

IR15 - TPA
SITE DOCUMENTATION
RECEIVED 01.12.2021

IR39 - REDDY ARCHITECTS
PROPOSED MODEL

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3D VIEW EXISTING
VIEW: NORTH-WEST

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PROPOSED

SOURCES OF INFORMATION

IR04 - VU CITY
MODEL
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IR15 - TPA
SITE DOCUMENTATION
RECEIVED 01.12.2021

IR32 - REDDY ARCHITECTURE (DESIGN FREEZE)
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SOURCES OF INFORMATION

IR04 - VULCITY
MODEL
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IR15 - TPA
SITE DOCUMENTATION
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IR32 - REDDY ARCHITECTURE (DESIGN FREEZE)
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VIEW: NORTH-WEST

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SCALE NTS



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IR04 - VUCITY	
MODEL	
RECEIVED 19.03.2021	
IR15 - TPA	
SITE DOCUMENTATION	
RECEIVED 01.12.2021	
IR32 - REDDY ARCHITECTURE (DESIGN FREEZE)	
RECEIVED 29.05.2024	

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PROJ No.	REL No.
IS No.	DWG No.
17967	10
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IR32 - REDDY ARCHITECTURE (DESIGN FREEZE)
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PLAN VIEW PROPOSED

PROPOSED IR32-39 PID MASTERPLAN

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BH	1:20000	AH	June 24	A
PROJ No.	REL No.	ADDR No.	IS No.	DWG
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IR04 - VULCITY
MODELS
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IR15 - TPA
SITE DOCUMENTATION
RECEIVED 01.12.2021

IR32 - REDDY ARCHITECTURE (DESIGN FREEZE)
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CENTRAL MENTAL HOSPITAL
DUBLIN

DRAWING NAME:
3D VIEW PROPOSED
VIEW NORTH-WEST

PROPOSED IR32-39 P10 MASTERPLAN

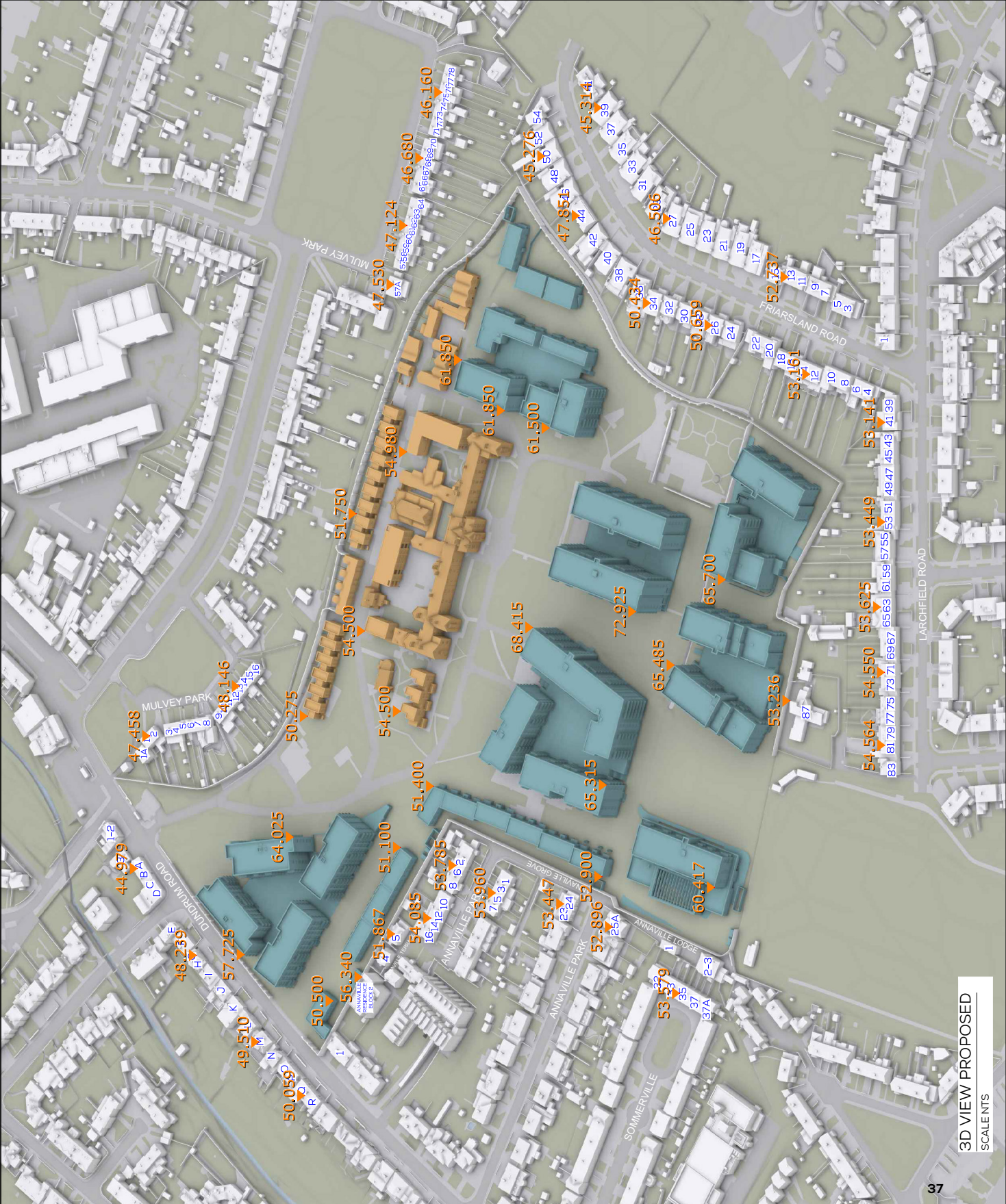
DWN BY	SCALE	CHK BY	DATE	REV No.
BH	N/A	AH	JUNE 24	A

PROJ No.	REL No.	ADDR No.	IS No.	DWG No.
17967	10	-	02	05

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APPENDIX 04

RESULTS & CONTOURS

EXISTING v PROPOSED

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

P DUNDRUM ROAD														
F00	R1	Residential	Unknown	W1/F00	32.3	31.5	0.8	2.5	45	15	45	15	0	0
F01	R1	Residential	Unknown	W1/F01	32.7	31.3	1.4	4.3	40	12	39	12	2.5	0
	R2	Residential	Unknown	W2/F01	32.7	31.4	1.3	4	43	15	42	15	2.3	0

F DUNDRUM ROAD														
F00	R1	Residential	Unknown	W1/F00	26.1	21.3	4.8	18.4	35	12	26	9	25.7	25
	R3	Residential	Unknown	W6/F00	26.5	22.3	4.2	15.8	37	12	28	7	24.3	41.7
	R4	Residential	Unknown	W7/F00	26.7	22.9	3.8	14.2	37	12	28	7	24.3	41.7

H DUNDRUM ROAD (LISHEEN)														
F00	R1	Residential	Unknown	W1/F00	32.5	26.4	6.1	18.8	49	15	37	11	24.5	26.7
F01	R1	Residential	Unknown	W1/F01	36.4	29	7.4	20.3	52	16	43	13	17.3	18.8

G DUNDRUM ROAD (SHANBEG)														
F00	R2	Residential	Unknown	W2/F00	32.7	26.7	6	18.3	50	16	37	11	26	31.2
F01	R1	Residential	Unknown	W1/F01	36.6	29.4	7.2	19.7	52	16	42	12	19.2	25

I DUNDRUM ROAD														
F00	R1	Residential	Unknown	W1/F00	31.6	25.3	6.3	19.9	45	15	34	11	24.4	26.7
	R3	Residential	Unknown	W5/F00	31.3	25.1	6.2	19.8	45	15	34	11	24.4	26.7
	R4	Residential	Unknown	W6/F00	31.5	25.6	5.9	18.7	42	11	35	10	16.7	9.1

J DUNDRUM ROAD (SORRENTO)														
F00	R1	Residential	Unknown	W1/F00	26.6	20.7	5.9	22.2	35	11	27	8	22.9	27.3
	R3	Residential	Unknown	W3/F00	26.4	21	5.4	20.5	37	13	30	11	18.9	15.4

K DUNDRUM ROAD														
F00	R1	Residential	Unknown	W1/F00	27.6	22.3	5.3	19.2	36	12	28	10	22.2	16.7

27/06/2024

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)					
					EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER		
	R3	Residential	Unknown	W4/F00	28.3	23.3	5	17.7	39	14	33	13	15.4	7.1

L DUNDRUM ROAD														
F00	R1	Residential	Unknown	W1/F00	33	28.6	4.4	13.3	41	11	34	11	17.1	0
				W2/F00*	76.9	75.5	1.4	1.8	29	1	23	1	20.7	0
F01	R3	Residential	Unknown	W8/F00	33.2	29.2	4	12	49	16	43	16	12.2	0
	R1	Residential	Unknown	W1/F01	36.3	34.5	1.8	5						
	R2	Residential	Unknown	W2/F01	35.2	33.2	2	5.7	10	0	5	0	50	0
				W3/F01	34.5	29	5.5	15.9	44	15	38	15	13.6	0
	R3	Residential	Unknown	W4/F01	34.4	29.2	5.2	15.1	44	15	38	15	13.6	0
	R4	Residential	Unknown	W5/F01	34.5	29.5	5	14.5	45	16	39	16	13.3	0

M DUNDRUM ROAD														
F00	R1	Residential	Unknown	W2/F00	31.8	28.8	3	9.4	42	13	38	13	9.5	0
	R3	Residential	Unknown	W7/F00	31.8	29.2	2.6	8.2	44	15	42	15	4.5	0
	R4	Residential	Unknown	W1/F00	22.4	19.4	3	13.4	21	2	17	2	19	0
F01	R1	Residential	Unknown	W1/F01	29.5	28	1.5	5.1						
	R2	Residential	Unknown	W2/F01	37.9	34.3	3.6	9.5	53	17	50	17	5.7	0
	R3	Residential	Unknown	W3/F01	32.3	32.3	0	0	79	20	79	20	0	0

N DUNDRUM ROAD														
F00	R1	Residential	Unknown	W1/F00	31.5	29.5	2	6.3	48	16	47	16	21	0
	R3	Residential	Unknown	W6/F00	33.2	31.5	1.7	5.1	48	16	47	16	21	0
F01	R1	Residential	Unknown	W1/F01	35.7	33.3	2.4	6.7	42	11	40	11	4.8	0

O DUNDRUM ROAD														
F00	R2	Residential	Unknown	W8/F00	32.4	31.3	1.1	3.4	46	16	46	16	0	0
F01	R1	Residential	Unknown	W1/F01	33	31.2	1.8	5.5	41	12	39	12	4.9	0
	R2	Residential	Unknown	W2/F01	32.8	31.2	1.6	4.9	40	12	39	12	2.5	0

PROJECT: 17967

CENTRAL MENTAL HOSPITAL,

27/06/2024

DAYLIGHT SUNLIGHT ANALYSIS

EXISTING VS. PROPOSED

27/06/2024

ITERATION NO.: IR32

ARCHITECT: REDDY ARCHITECTURE

27/06/2024

27/06/2024

VSC(WINDOW)							APSH(WINDOW)							
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	EX.		PR.		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
Q DUNDRUM ROAD (HILLBROOK)														
F00	R1	Residential	Unknown	W1/F00	31.9	31.4	0.5	1.6	40	11	40	11	0	0
	R3	Residential	Unknown	W6/F00	32.7	32.2	0.5	1.5	46	15	46	15	0	0
F01	R1	Residential	Unknown	W1/F01	29.4	28.3	1.1	3.7	37	11	36	11	2.7	0
	R2	Residential	Unknown	W2/F01	33.8	32.8	1	3	43	13	42	13	2.3	0
	R3	Residential	Unknown	W3/F01	33.8	32.8	1	3	43	13	42	13	2.3	0
R DUNDRUM ROAD														
F00	R1	Residential	Unknown	W1/F00	32.7	32.3	0.4	1.2	47	15	47	15	0	0
	R3	Residential	Unknown	W6/F00	31.7	31.3	0.4	1.3	41	11	41	11	0	0
F01	R1	Residential	Unknown	W1/F01	33.6	32.8	0.8	2.4	42	13	41	13	2.4	0
	R2	Residential	Unknown	W2/F01	33.6	32.8	0.8	2.4	42	13	41	13	2.4	0
	R3	Residential	Unknown	W3/F01	28.9	28.1	0.8	2.8	36	12	35	12	2.8	0
3 DUNDRUM ROAD														
F00	R1	Residential	Unknown	W1/F00	21.9	21.9	0	0	27	4	27	4	0	0
1-2 DUNDRUM ROAD														
F01	R1	Residential	Unknown	W1/F01	37.2	36.3	0.9	2.4	56	18	56	18	0	0
	R2	Residential	Unknown	W2/F01	37.2	36.4	0.8	2.2	56	18	56	18	0	0
	R3	Residential	Unknown	W3/F01	37.1	36.4	0.7	1.9	55	17	55	17	0	0
ANNAVILLE RESIDENCE BLOCK 2														
F00	R2	Residential	Unknown	W2/F00	6.4	6.4	0	0						
	R4	Residential	Unknown	W4/F00	6.6	6.5	0.1	1.5						
F01	R6	Residential	Unknown	W6/F00	7.9	7.9	0	0						
	R2	Residential	Unknown	W2/F01	15.3	10.7	4.6	30.1						
	R4	Residential	Unknown	W4/F01	16.3	11.3	5	30.7						
F02	R6	Residential	Unknown	W6/F01	18.5	13	5.5	29.7						
	R2	Residential	Unknown	W2/F02	16.5	12.2	4.3	26.1						

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)			
					EX. %	PR. %	LOSS %	LOSS %	EX.		PR.	
									ANNUAL	WINTER	ANNUAL	WINTER
	R4	Residential	Kitchen**	W4/F02	22.1	17.7	4.4	19.9				
	R6	Residential	Kitchen**	W6/F02	23.6	19.5	4.1	17.4				
F03	R2	Residential	Unknown	W2/F03	16.5	13.5	3	18.2				
	R4	Residential	Unknown	W4/F03	17.1	14.1	3	17.5				
	R6	Residential	Unknown	W6/F03	18.7	15.9	2.8	15				

1 DUNDRUM ROAD												
F00	R3	Residential	Unknown	W8/F00	26.7	26.7	0	0	43	14	43	14
				W9/F00	29.1	29.1	0	0	45	15	45	15
				W10/F00	26.5	26.5	0	0	41	12	41	12
				W11/F00*	63	57.2	5.8	9.2	16	0	16	0
	R4	Residential	Unknown	W12/F00	30.5	30.5	0	0	41	12	41	12
	R5	Residential	Unknown	W13/F00	29.6	29.4	0.2	0.7	35	7	35	7
				W14/F00	26.1	26	0.1	0.4	24	1	24	1
				W15/F00	24.2	23.9	0.3	1.2	16	0	16	0
F01	R2	Residential	Unknown	W3/F01	33.7	32.2	1.5	4.5	39	12	38	12
	R3	Residential	Unknown	W4/F01	33.4	32.1	1.3	3.9	39	12	38	12
	R4	Residential	Unknown	W5/F01	33.4	32.1	1.3	3.9	39	12	38	12

4 ANNAVILLE TERRACE												
F00	R1	Residential	Unknown	W1/F00	21.4	21.4	0	0				
				W2/F00	19.9	19.9	0	0				
	R2	Residential	Unknown	W3/F00	19.8	19.8	0	0	16	0	16	0
				W4/F00	18	18	0	0	19	1	19	1
				W5/F00	16.2	16.2	0	0	18	0	18	0
F01	R1	Residential	Unknown	W1/F01	36.7	30.6	6.1	16.6				
	R2	Residential	Unknown	W2/F01	36.7	30.7	6	16.3				

5 ANNAVILLE TERRACE												
F00	R1	Residential	Unknown	W1/F00	16.6	16.6	0	0	23	0	23	0

27/06/2024

					VSC(WINDOW)				APSH (WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
				W2/F00	16	16	0	0	28	1	28	1	0	0
	R2	Residential	Unknown	W3/F00	12.7	12.7	0	0						
	R3	Residential	Unknown	W4/F00	18.1	18.1	0	0						
	R4	Residential	Unknown	W5/F00	18	18	0	0	30	9	30	9	0	0
				W6/F00	21.7	21.7	0	0	32	9	32	9	0	0
F01	R1	Residential	Unknown	W1/F01*	87.5	83.2	4.3	4.9						
	R2	Residential	Unknown	W2/F01*	87.3	82.9	4.4	5						
				W3/F01*	84.9	80.4	4.5	5.3						
	R3	Residential	Unknown	W4/F01	39	32.2	6.8	17.4						

16 ANNAVILLE GROVE														
F00	R1	Residential	Unknown	W1/F00	19.9	19.9	0	0	1	0	1	0	0	0
				W2/F00*	64	63.5	0.5	0.8	20	0	20	0	0	0
F01	R1	Residential	Unknown	W1/F01	33.9	30.7	3.2	9.4						
	R2	Residential	Unknown	W2/F01	33.6	30.6	3	8.9						

14 ANNAVILLE GROVE													
F00	R1	Residential	Unknown	W1/F00	32	29.4	2.6	8.1					
	R2	Residential	Unknown	W2/F00	24.9	22.4	2.5	10					
				W3/F00	29	26.6	2.4	8.3					
				W4/F00	23.9	22.1	1.8	7.5					
F01	R1	Residential	Unknown	W1/F01	33	29.5	3.5	10.6					
	R2	Residential	Unknown	W2/F01	34.2	30.7	3.5	10.2					

12 ANNAVILLE GROVE														
F00	R1	Residential	Unknown	W1/F00	35.6	33.1	2.5	7	12	0	12	0	0	0
				W4/F00*	81.2	80.7	0.5	0.6	42	0	42	0	0	0
	R2	Residential	Unknown	W2/F00	32.4	30.6	1.8	5.6	2	0	2	0	0	0
				W3/F00	30	28.2	1.8	6	2	0	2	0	0	0
				W5/F00*	81.1	80.6	0.5	0.6	41	0	41	0	0	0

27/06/2024												
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)			APSH(WINDOW)				
					EX. %	PR. %	LOSS %	EX.		PR.		LOSS %
								ANNUAL	WINTER	ANNUAL	WINTER	
F01	R1	Residential	Unknown	W1/F01	34.5	31	3.5	10.1				
	R2	Residential	Unknown	W2/F01	34.4	30.9	3.5	10.2				

10 ANNAVILLE GROVE												
F00	R1	Residential	Unknown	W1/F00	35.5	33.2	2.3	6.5				
	R2	Residential	Unknown	W2/F00	33.8	31.8	2	5.9				
				W3/F00	33.4	31.4	2	6				
	R3	Residential	Unknown	W4/F00	31.6	29.6	2	6.3				
F01	R1	Residential	Unknown	W1/F01	34.6	31.5	3.1	9				
	R2	Residential	Unknown	W2/F01	34.6	31.3	3.3	9.5				
	R3	Residential	Unknown	W3/F01	34.5	31.2	3.3	9.6				

2 ANNAPOLIS GROVE														
F00	R1	Residential	Unknown	W1/F00	33.4	33.1	0.3	0.9	75	23	75	23	0	0
	R2	Residential	Unknown	W2/F00	19.8	19.8	0	0	43	12	43	12	0	0
				W3/F00	34.2	33.7	0.5	1.5	78	22	77	22	13	0
				W4/F00	28.6	27.8	0.8	2.8	35	1	34	1	25.6	0
	R3	Residential	Unknown	W5/F00	23.3	23.1	0.2	0.9						
	R4	Residential	Unknown	W6/F00	29.8	28.9	0.9	3	6	1	5	1	16.7	0
				W7/F00	29.5	29.1	0.4	1.4	5	0	4	0	20	0
				W8/F00	16.6	16.4	0.2	1.2	7	0	7	0	0	0
	R5	Residential	Unknown	W9/F00	26.8	26.7	0.1	0.4						
F01	R1	Residential	Unknown	W1/F01	33.4	32.2	1.2	3.6	78	29	75	27	3.8	6.9
	R2	Residential	Unknown	W2/F01	33.2	31.8	1.4	4.2	80	29	76	27	5	6.9
	R3	Residential	Unknown	W3/F01	34.5	32	2.5	7.2						
	R4	Residential	Unknown	W4/F01	34.5	32.2	2.3	6.7						

8 ANNANVILLE GROVE														
F00	R1	Residential	Unknown	W1/F00	26.7	26.7	0	0	58	19	58	19	0	0
	R2	Residential	Unknown	W2/F00	20.4	20.4	0	0	43	14	43	14	0	0

27/06/2024					VSC(WINDOW)				APSH(WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F01				W3/F00	33	32.5	0.5	1.5	81	23	79	22	2.5	4.3
				W4/F00	21.1	19.5	1.6	7.6	40	11	38	10	5	9.1
	R3	Residential	Unknown	W5/F00	26.8	26.2	0.6	2.2	60	18	57	17	5	5.6
	R4	Residential	Unknown	W6/F00	35.1	33.5	1.6	4.6						
	R5	Residential	Unknown	W7/F00	33.9	32.8	1.1	3.2						
				W8/F00	35.7	34	1.7	4.8						
	R6	Residential	Unknown	W9/F00	32.8	31.8	1	3						
	R1	Residential	Unknown	W1/F01	32.2	31.7	0.5	1.6	77	28	75	27	2.6	3.6
	R2	Residential	Unknown	W2/F01	32.2	31.7	0.5	1.6	77	28	75	27	2.6	3.6
	R3	Residential	Unknown	W3/F01	32.8	32.1	0.7	2.1	77	28	75	27	2.6	3.6
	R4	Residential	Unknown	W4/F01	35.9	33.3	2.6	7.2						
	R5	Residential	Unknown	W5/F01	34.6	32	2.6	7.5						
	R6	Residential	Unknown	W6/F01	34.6	31.9	2.7	7.8						

6 ANNAPOLIS GROVE														
F00	R1	Residential	Unknown	W1/F00	33.7	33.1	0.6	1.8	80	25	77	23	3.8	8
	R2	Residential	Unknown	W2/F00	33.5	32.8	0.7	2.1	80	24	77	22	3.8	8.3
	R3	Residential	Unknown	W3/F00	35.3	33.8	1.5	4.2	13	0	12	0	7.7	0
				W4/F00	19.4	18.9	0.5	2.6	8	0	8	0	0	0
	R4	Residential	Unknown	W5/F00	26.9	26.1	0.8	3						
F01	R1	Residential	Unknown	W1/F01	32.8	32	0.8	2.4	77	28	75	27	2.6	3.6
	R2	Residential	Unknown	W2/F01	32.9	32	0.9	2.7	77	28	74	26	3.9	7.1
	R3	Residential	Unknown	W3/F01	34.6	32.2	2.4	6.9						
	R4	Residential	Unknown	W4/F01	34.6	32.1	2.5	7.2						

4 ANNAPOLIS GROVE														
F00	R1	Residential	Unknown	W1/F00	33.6	32.9	0.7	2.1	78	23	76	22	2.6	4.3
	R2	Residential	Unknown	W2/F00	34.2	33.5	0.7	2	79	24	77	23	2.5	4.2
	R3	Residential	Unknown	W3/F00	31.1	30	1.1	3.5						
	R4	Residential	Unknown	W4/F00	32.8	31.7	1.1	3.4						

27/06/2024				VSC(WINDOW)				APSH(WINDOW)						
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	EX.		PR.		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
				W5/F00	28.5	27.9	0.6	2.1						
F01	R1	Residential	Unknown	W1/F01	33	32	1	3	77	28	74	26	3.9	7.1
	R2	Residential	Unknown	W2/F01	33.1	32	1.1	3.3	77	28	74	26	3.9	7.1
	R3	Residential	Unknown	W4/F01	34.6	32.3	2.3	6.6						
	R4	Residential	Unknown	W3/F01	34.5	32.2	2.3	6.7						

5 ANNAVILLE GROVE														
F00	R1	Residential	Unknown	W1/F00	33.6	33.4	0.2	0.6	78	23	77	23	1.3	0
				W2/F00	36.5	36	0.5	1.4	86	28	82	26	4.7	7.1
				W3/F00*	60.4	60.2	0.2	0.3	92	29	89	28	3.3	3.4
	R2	Residential	Unknown	W4/F00	33.8	33.2	0.6	1.8						
				W5/F00	34.3	33.7	0.6	1.7						
				W6/F00	33.6	33	0.6	1.8						
	R3	Residential	Unknown	W7/F00	34.2	33.7	0.5	1.5						
F01	R1	Residential	Unknown	W1/F01	35	34.4	0.6	1.7	78	29	77	29	1.3	0
	R2	Residential	Unknown	W2/F01	35.1	34.4	0.7	2	78	29	76	28	2.6	3.4
	R3	Residential	Unknown	W3/F01	33.6	32.9	0.7	2.1						
	R4	Residential	Unknown	W4/F01	36.3	35.6	0.7	1.9						

3 ANNAVILLE GROVE														
F00	R1	Residential	Unknown	W1/F00	33	32.4	0.6	1.8	72	25	68	23	5.6	8
				W2/F00	34.9	34.9	0	0	80	26	80	26	0	0
				W3/F00*	76	75.6	0.4	0.5	84	24	81	23	3.6	4.2
				W4/F00*	77.8	77.3	0.5	0.6	90	26	86	24	4.4	7.7
				W5/F00*	78.1	77.6	0.5	0.6	93	29	89	27	4.3	6.9
				W6/F00*	78.2	77.7	0.5	0.6	93	29	89	27	4.3	6.9
				W9/F00	35.5	35	0.5	1.4	82	28	78	26	4.9	7.1
	R2	Residential	Unknown	W7/F00	34.6	33.9	0.7	2						
	R3	Residential	Unknown	W8/F00	33.8	33.2	0.6	1.8						
F01	R1	Residential	Unknown	W1/F01	35.1	34.4	0.7	2	78	29	76	28	2.6	3.4

27/06/2024

					VSC(WINDOW)				APSH(WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
						R2	Residential	Unknown	W2/F01	35.1	34.3	0.8	2.3	78
	R3	Residential	Unknown	W3/F01	36.6	35.9	0.7	1.9						
	R4	Residential	Unknown	W4/F01	33.7	33	0.7	2.1						

7 ANNANVILLE GROVE														
F00	R1	Residential	Unknown	W1/F00	35.6	35.6	0	0	81	26	81	26	0	0
	R2	Residential	Unknown	W2/F00	28.7	28.7	0	0	64	20	64	20	0	0
	R3	Residential	Unknown	W3/F00	34.1	33.7	0.4	1.2						
	R4	Residential	Unknown	W4/F00	33.5	33.1	0.4	1.2						
F01	R1	Residential	Unknown	W1/F01	34.7	34.3	0.4	1.2	79	29	78	29	1.3	0
	R2	Residential	Unknown	W2/F01	35	34.5	0.5	1.4	78	29	77	29	1.3	0
	R3	Residential	Unknown	W3/F01	36.2	35.5	0.7	1.9						
	R4	Residential	Unknown	W4/F01	33.2	32.5	0.7	2.1						

1 ANNAPOLIS GROVE														
F00	R1	Residential	Unknown	W1/F00	4.7	4.1	0.6	12.8	15	4	10	2	33.3	50
	R2	Residential	Unknown	W2/F00	34.3	33.6	0.7	2	74	23	72	23	2.7	0
				W3/F00	36.4	35.6	0.8	2.2	86	29	82	27	4.7	6.9
	R3	Residential	Unknown	W4/F00	34.4	33.6	0.8	2.3						
F01	R4	Residential	Unknown	W5/F00	34.9	34	0.9	2.6						
	R1	Residential	Unknown	W1/F01	35.2	34.3	0.9	2.6	79	29	76	28	3.8	3.4
	R2	Residential	Unknown	W2/F01	35	34	1	2.9	82	29	79	28	3.7	3.4
	R3	Residential	Unknown	W4/F01	36.9	36	0.9	2.4						
	R4	Residential	Unknown	W3/F01	34.1	33	1.1	3.2						

24 ANNAPOLIS PARK														
F00	R1	Residential	Unknown	W1/F00	27.6	27.6	0	0	62	22	62	22	0	0
				W2/F00	34	33.6	0.4	1.2	78	23	78	23	0	0
				W3/F00	27.8	27	0.8	2.9	58	19	58	19	0	0
	R2	Residential	Unknown	W4/F00	26.5	26.2	0.3	1.1	67	24	65	24	3	0

27/06/2024				VSC(WINDOW)				APSH(WINDOW)							
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %		
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
F01	R3	Residential	Unknown	W5/F00	33.8	33.6	0.2	0.6	76	25	75	25	13	0	
				W8/F00*	77.4	75.8	1.6	2.1	58	18	53	16	8.6	11.1	
	R4	Residential	Unknown	W6/F00	35.2	34.3	0.9	2.6							
				W7/F00*	88.3	87.4	0.9	1							
	R5	Residential	Unknown	W9/F00*	77.5	75.9	1.6	2.1							
F01	R1	Residential	Unknown	W1/F01	28.9	28.9	0	0	66	25	66	25	0	0	
				W2/F01	37	35.9	1.1	3	86	28	83	26	3.5	7.1	
				W3/F01	30.3	28.2	2.1	6.9	65	23	62	21	4.6	8.7	
	R2	Residential	Unknown	W4/F01	29.1	29	0.1	0.3	66	25	66	25	0	0	
				W5/F01	37.1	36	1.1	3	86	28	82	26	4.7	7.1	
				W6/F01	31.9	29	2.9	9.1	66	23	61	21	7.6	8.7	
				W9/F01	32.9	27.1	5.8	17.6	33	9	27	7	18.2	22.2	
	R3	Residential	Unknown	W7/F01	33.5	31.8	1.7	5.1							
				W10/F01	32.9	27.1	5.8	17.6							
	R4	Residential	Unknown	W8/F01	33.5	31.9	1.6	4.8							

23 ANNAVILLE PARK															
F00	R1	Residential	Unknown	W4/F00	26	25.5	0.5	1.9	63	23	61	22	3.2	4.3	
	R2	Residential	Unknown	W5/F00	26.7	26.7	0	0	61	22	61	22	0	0	
				W6/F00	33.9	33.4	0.5	1.5	79	23	78	23	13	0	
				W7/F00	28.2	27.2	1	3.5	60	19	59	19	17	0	
	R3	Residential	Unknown	W1/F00	17.5	17.5	0	0							
	R4	Residential	Unknown	W2/F00	35.5	34.5	1	2.8							
				W3/F00	32.3	31.3	1	3.1							
F01	R1	Residential	Unknown	W3/F01	27.8	27.8	0	0	68	26	68	26	0	0	
				W4/F01	36.4	35.6	0.8	2.2	86	29	83	27	3.5	6.9	
				W5/F01	30	28.3	1.7	5.7	65	23	62	21	4.6	8.7	
	R2	Residential	Unknown	W6/F01	28.4	28.4	0	0	66	26	66	26	0	0	
				W7/F01	36.7	35.8	0.9	2.5	87	29	84	27	3.4	6.9	
				W8/F01	30.2	28.3	1.9	6.3	65	23	62	21	4.6	8.7	

27/06/2024												
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)			APSH (WINDOW)				
					EX. %	PR. %	LOSS %	EX.		PR.		LOSS %
								ANNUAL	WINTER	ANNUAL	WINTER	
	R3	Residential	Unknown	W1/F01	33.3	32	1.3	3.9				
	R4	Residential	Unknown	W2/F01	33.3	32	1.3	3.9				

32A SOMMERVILLE												
F00	R1	Residential	Unknown	W1/F00	30.2	29.4	0.8	2.6				
	R2	Residential	Unknown	W2/F00	29.7	29.2	0.5	1.7				
F01	R1	Residential	Unknown	W1/F01	33.6	32	1.6	4.8				
	R2	Residential	Unknown	W2/F01	33.3	32.2	1.1	3.3				
	R3	Residential	Unknown	W3/F01	26.7	26.3	0.4	1.5				
	R4	Residential	Unknown	W4/F01	33.7	32.4	1.3	3.9				

32A SOMMERVILLE												
F00	R1	Residential	Unknown	W1/F00	30.7	30	0.7	2.3				
F01	R1	Residential	Unknown	W1/F01	34	32.6	1.4	4.1				
	R2	Residential	Unknown	W2/F01	34.1	32.6	1.5	4.4				

33 SOMMERVILLE												
F00	R1	Residential	Unknown	W1/F00	31.4	30.5	0.9	2.9				
F01	R1	Residential	Unknown	W1/F01	34.1	32.5	1.6	4.7				
	R2	Residential	Unknown	W2/F01	34.1	32.4	1.7	5				

34 SOMMERVILLE												
F00	R1	Residential	Unknown	W1/F00	31	30.1	0.9	2.9				
F01	R1	Residential	Unknown	W1/F01	33.9	32.2	1.7	5				
	R2	Residential	Unknown	W2/F01	33.7	32	1.7	5				

35 SOMMERVILLE												
F00	R1	Residential	Unknown	W1/F00	29	28.4	0.6	2.1				
F01	R1	Residential	Unknown	W1/F01	33.5	31.8	1.7	5.1				
	R2	Residential	Unknown	W2/F01	33	31.3	1.7	5.2				

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

36 SOMMERVILLE												
F00	R1	Residential	Unknown	W1/F00	26.8	26.6	0.2	0.7				
F01	R1	Residential	Unknown	W1/F01	32.3	31	1.3	4				
	R2	Residential	Unknown	W2/F01	32	31	1	31				

37 SOMMERVILLE												
F00	R1	Residential	Unknown	W1/F00	26.5	26.5	0	0				
F01	R1	Residential	Unknown	W1/F01	32	31.3	0.7	2.2				
	R2	Residential	Unknown	W2/F01	32.2	31.8	0.4	1.2				

37A SOMMERVILLE												
F00	R1	Residential	Unknown	W1/F00	29.2	29.2	0	0				
	R2	Residential	Unknown	W2/F00	32.3	32.2	0.1	0.3				
F01	R1	Residential	Unknown	W1/F01	32.7	32.4	0.3	0.9				
	R2	Residential	Unknown	W2/F01	33.1	32.9	0.2	0.6				
	R3	Residential	Unknown	W3/F01	33.3	33.1	0.2	0.6				
	R4	Residential	Unknown	W4/F01	33.4	33.2	0.2	0.6				

2-3 ANNAVILLE LODGE												
F00	R1	Residential	Unknown	W1/F00	32.5	32.3	0.2	0.6				
				W2/F00	33.8	33.6	0.2	0.6				
				W3/F00	23.8	23.8	0	0				
	R2	Residential	Unknown	W4/F00	23.4	23.4	0	0				
				W5/F00	23	23	0	0				
	R3	Residential	Unknown	W6/F00	24.9	24.9	0	0	54	15	54	0
	R4	Residential	Unknown	W7/F00	18.3	18.3	0	0	28	7	28	0
				W8/F00*	78.9	78.9	0	0	95	28	95	0
				W9/F00	20.5	20.5	0	0	47	12	47	0
F01	R1	Residential	Unknown	W1/F01	34.4	32.7	1.7	4.9				

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)			
					EX. %	PR. %	LOSS %	LOSS %	EX.		PR.	
									ANNUAL	WINTER	ANNUAL	WINTER
				W2/F01	13.9	10.9	3	21.6				
	R2	Residential	Unknown	W3/F01	10.1	8.2	1.9	18.8				
	R3	Residential	Unknown	W4/F01	33.5	33.5	0	0	77	29	77	0
	R4	Residential	Unknown	W5/F01	33.3	33.3	0	0	75	29	75	0
	R5	Residential	Unknown	W6/F01	33.1	33.1	0	0	75	29	75	0
	R6	Residential	Unknown	W7/F01	33	33	0	0	76	29	76	0
				W8/F01	35.3	35.3	0	0	54	15	54	0
F02	R1	Residential	Unknown	W1/F02	39	37	2	5.1				
	R2	Residential	Unknown	W2/F02*	84.7	84.7	0	0	89	29	89	0
				W3/F02*	82.9	82.9	0	0	82	27	82	0
	R3	Residential	Unknown	W4/F02*	83.2	83.2	0	0	87	29	87	0
				W5/F02*	85.9	85.9	0	0	92	29	92	0

1 ANNAVILLE LODGE												
F00	R1	Residential	Unknown	W1/F00	32.8	32.8	0	0				
				W2/F00	33	33	0	0				
	R2	Residential	Unknown	W3/F00	25.9	25.9	0	0				
	R3	Residential	Unknown	W4/F00	30.5	30.5	0	0	72	19	72	0
				W5/F00	31	31	0	0	72	19	72	0
F01	R1	Residential	Unknown	W1/F01	36	34.4	1.6	4.4				
				W2/F01	36.1	34.4	1.7	4.7				
	R2	Residential	Unknown	W3/F01	37.2	32.4	4.8	12.9				
	R3	Residential	Unknown	W4/F01	34.1	33.8	0.3	0.9	77	24	75	26
				W5/F01	33.9	33.6	0.3	0.9	78	24	76	26

25A ANNAVILLE PARK												
F00	R1	Residential	Unknown	W1/F00	34.2	33.1	1.1	3.2				
	R2	Residential	Unknown	W2/F00	13.5	13.5	0	0	4	0	4	0
				W3/F00	36	34.7	1.3	3.6	0	0	0	0
				W4/F00	34.3	33.6	0.7	2	8	0	8	0

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)			
					EX. %	PR. %	LOSS %	LOSS %	EX.		PR.	
									ANNUAL	WINTER	ANNUAL	WINTER
				W5/F00	34.9	34	0.9	2.6	9	9	9	9
				W6/F00	34.1	33.7	0.4	1.2	9	0	9	0
				W7/F00	34.8	34	0.8	2.3	9	9	9	9
				W8/F00	34.5	34	0.5	1.4	10	0	10	0
				W9/F00	34.1	33.9	0.2	0.6	10	0	10	0
	R3	Residential	Unknown	W10/F00	14	14	0	0	23	6	23	6
	R4	Residential	Unknown	W11/F00	18.9	18.9	0	0	29	9	29	9
				W12/F00	34.7	34.7	0	0	80	26	80	26
	R5	Residential	Unknown	W13/F00	34.1	34.1	0	0	79	25	79	25
F01	R1	Residential	Unknown	W1/F01	36.2	34.6	1.6	4.4				
	R2	Residential	Unknown	W2/F01	31.4	31.4	0	0				
				W3/F01	39.1	33.9	5.2	13.3				
	R3	Residential	Unknown	W4/F01	38.7	33.5	5.2	13.4				
	R4	Residential	Unknown	W5/F01*	80.9	79.2	1.7	2.1	77	21	73	19
				W6/F01	37	36.2	0.8	2.2	82	29	80	28
	R5	Residential	Unknown	W7/F01	36.9	36.2	0.7	1.9	81	29	78	28

8 MULVEY PARK												
F00	R1	Residential	Unknown	W1/F00*	77.8	77.8	0	0				
	R2	Residential	Unknown	W2/F00	32.9	31.9	1	3	71	22	68	19
				W3/F00	33.3	32.2	1.1	3.3	71	22	68	19
				W4/F00	30.9	30.4	0.5	1.6	67	22	64	19
				W5/F00	29.5	29	0.5	1.7	60	18	57	15
	R3	Residential	Unknown	W6/F00	28.4	27.8	0.6	2.1	56	19	53	16
F01	R1	Residential	Unknown	W1/F01	30.1	29.5	0.6	2	53	9	51	7
	R2	Residential	Unknown	W2/F01*	76.9	76.9	0	0	60	9	58	7
				W5/F01	31	29.8	1.2	3.9	55	23	53	21
				W6/F01	30.4	29.2	1.2	3.9	55	23	53	21
	R3	Residential	Unknown	W3/F01*	81.1	79.8	1.3	1.6	88	28	85	25
				W4/F01	36.6	34.3	2.3	6.3	72	25	67	20

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

7 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00*	81.8	81.8	0	0	72	15	70	11	21.8	15.4
				W2/F00*	79.8	79.3	0.5	0.6	73	15	72	14	1.4	6.7
	R2	Residential	Unknown	W3/F00*	87.9	87.7	0.2	0.2	80	19	75	14	6.2	26.9
				W4/F00*	75.3	74.8	0.5	0.7	69	18	66	15	4.3	16.7
				W5/F00	31.3	30.1	1.2	3.8	68	22	64	18	5.9	18.2
F01	R1	Residential	Unknown	W1/F01	34.7	32.9	1.8	5.2	66	22	63	19	4.5	13.6
	R2	Residential	Unknown	W2/F01	33.6	32.1	1.5	4.5	63	19	60	16	4.8	15.8

2 MULVEY PARK														
F00	R1	Residential	Unknown	W2/F00	29	27.8	1.2	4.1	61	19	60	18	1.6	5.3
				W3/F00*	71.4	71.2	0.2	0.3	85	27	85	26	1.2	5.7
	R2	Residential	Unknown	W1/F00	35.1	33.9	1.2	3.4	81	24	80	23	1.2	4.2
F01	R1	Residential	Unknown	W1/F01	33.5	31.7	1.8	5.4	78	27	78	27	0	0
	R2	Residential	Unknown	W2/F01	33.5	31.8	1.7	5.1	77	26	77	26	0	0

3 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	27.9	27.2	0.7	2.5	52	19	51	18	1.9	5.3
	R2	Residential	Unknown	W2/F00	34.9	34.1	0.8	2.3	71	23	70	22	1.4	4.3
F01	R1	Residential	Unknown	W1/F01	35.4	34	1.4	4	67	24	67	24	0	0
	R2	Residential	Unknown	W2/F01	35.5	34	1.5	4.2	67	24	67	24	0	0

4 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	0	0	0	0	0	0	0	0	0	0
				W2/F00*	72.7	72.3	0.4	0.6	80	25	79	24	1.2	4
				W3/F00*	72.7	72.3	0.4	0.6	80	25	79	24	1.2	4
F01	R1	Residential	Unknown	W1/F01	35.5	33.9	1.6	4.5	68	24	67	23	1.5	4.2
	R2	Residential	Unknown	W2/F01	35.6	33.9	1.7	4.8	68	24	66	22	2.9	8.3

PROJECT: 17967

PROJECT: 17967
CENTRAL MENTAL HOSPITAL,

27/06/2024

DAYLIGHT SUNLIGHT ANALYSIS EXISTING VS. PROPOSED

ITERATION NO.: IR32
ARCHITECT: REDDY ARCHITECTURE

27/06/2024

				VSC(WINDOW)				APSH (WINDOW)						
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	EX.		PR.		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
1 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	21.7	21.5	0.2	0.9	39	11	38	10	2.6	9.1
F01	R1	Residential	Unknown	W1/F01	30.3	28.6	1.7	5.6	69	24	69	24	0	0
	R2	Residential	Unknown	W2/F01	32.7	31	1.7	5.2	75	27	75	27	0	0
5 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	31.2	30.3	0.9	2.9	63	18	60	15	4.8	16.7
F01	R1	Residential	Unknown	W1/F01	35.5	33.8	1.7	4.8	68	24	66	22	2.9	8.3
	R2	Residential	Unknown	W2/F01	35.5	33.6	1.9	5.4	68	24	66	22	2.9	8.3
6 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	32.1	31.4	0.7	2.2	62	15	60	13	3.2	13.3
F01	R1	Residential	Unknown	W1/F01	35.3	33.4	1.9	5.4	68	24	66	22	2.9	8.3
	R2	Residential	Unknown	W2/F01	35.1	33.2	1.9	5.4	67	23	64	20	4.5	13
1A MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	29	28.8	0.2	0.7	70	16	69	15	1.4	6.2
F01	R1	Residential	Unknown	W1/F01	36	34.3	1.7	4.7	82	29	82	29	0	0
	R2	Residential	Unknown	W2/F01	35.9	34.2	1.7	4.7	81	29	81	29	0	0
9 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	27.6	27.1	0.5	1.8						
	R2	Residential	Unknown	W2/F00	24.9	24.9	0	0	22	11	22	11	0	0
				W3/F00	30.2	29.6	0.6	2	39	9	36	6	7.7	33.3
				W4/F00	34.8	33.3	1.5	4.3	84	26	81	23	3.6	11.5
				W5/F00	34.6	33.2	1.4	4	83	25	81	23	2.4	8
F01	R1	Residential	Unknown	W1/F01	30.4	29.6	0.8	2.6			25	11	4.5	20
				W2/F01	33.2	30.7	2.5	7.5	77	27	74	24	3.9	11.1
	R2	Residential	Unknown	W3/F01	33.1	30.7	2.4	7.3	74	27	71	24	4.1	11.1

27/06/2024

				VSC(WINDOW)				APSH(WINDOW)						
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	EX.		PR.		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
15 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	26.8	26.6	0.2	0.7	61	16	61	16	0	0
	R2	Residential	Unknown	W2/F00	31.6	31.2	0.4	1.3	76	19	76	19	0	0
F01	R1	Residential	Unknown	W1/F01	32.7	31.1	1.6	4.9	74	27	71	24	41	111
	R2	Residential	Unknown	W2/F01	32.7	31.1	1.6	4.9	74	27	71	24	41	111

16 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	32.2	32.2	0	0	80	22	80	22	0	0
	R2	Residential	Unknown	W2/F00	34.5	33.7	0.8	2.3	83	25	82	24	12	4
				W3/F00	33	33	0	0	50	16	50	16	0	0
F01	R1	Residential	Unknown	W1/F01	32.6	31.1	1.5	4.6	74	27	71	24	41	111
	R2	Residential	Unknown	W2/F01	32.6	31.2	1.4	4.3	77	27	74	24	39	111
				W3/F01	32.8	32.7	0.1	0.3	42	14	42	14	0	0

57A MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	25.9	25.8	0.1	0.4	49	11	49	11	0	0
				W2/F00	28.9	28.9	0	0	47	9	47	9	0	0
				W3/F00	29.4	29.4	0	0	68	13	68	13	0	0
				W4/F00	30.9	30.9	0	0	71	16	71	16	0	0
				W5/F00	31.3	31.3	0	0	34	6	34	6	0	0
				W6/F00	30.4	30.4	0	0	33	6	33	6	0	0
				W7/F00	28.8	28.8	0	0	33	6	33	6	0	0
				W8/F00*	87.8	87.4	0.4	0.5	92	27	91	26	11	3.7
				W9/F00*	88.5	88.2	0.3	0.3	93	27	91	25	22	7.4
F01	R1	Residential	Unknown	W1/F01*	88.2	87.5	0.7	0.8	94	28	94	28	0	0
				W2/F01	36.9	36	0.9	2.4	81	27	80	26	12	3.7
				W3/F01	37.2	36.2	1	2.7	82	27	81	26	12	3.7
				W6/F01	35.2	34.9	0.3	0.9	59	19	59	19	0	0
	R2	Residential	Unknown	W4/F01	37.3	36.3	1	2.7	83	28	82	27	12	3.6
				W5/F01	36.3	36.2	0.1	0.3	36	9	36	9	0	0

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

S7 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	30.9	30.7	0.2	0.6	67	22	66	21	15	4.5
				W3/F00	22.6	22.4	0.2	0.9	40	14	39	13	2.5	7.1
	R2	Residential	Unknown	W2/F00	23.7	23.5	0.2	0.8	54	19	52	17	3.7	10.5
F01	R1	Residential	Unknown	W1/F01	36.4	35.6	0.8	2.2	78	28	78	28	0	0
				W4/F01	29.5	29.2	0.3	1	50	15	49	14	2	6.7
	R2	Residential	Unknown	W2/F01	35	34.1	0.9	2.6	73	27	73	27	0	0
				W3/F01*	77.8	77	0.8	1	79	24	79	24	0	0

S8 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	32.7	32.6	0.1	0.3	70	21	70	21	0	0
				W2/F00	28.1	27.9	0.2	0.7	61	21	60	20	16	4.8
				W3/F00*	71.3	70.8	0.5	0.7	92	28	90	26	2.2	7.1
				W4/F00*	67.6	67.2	0.4	0.6	86	28	84	26	2.3	7.1
				W5/F00*	62.5	62	0.5	0.8	80	28	78	26	2.5	7.1
F01	R1	Residential	Unknown	W1/F01	37.4	36.3	1.1	2.9	78	28	78	28	0	0
				W2/F01	35.8	34.7	1.1	3.1	75	28	75	28	0	0
				W3/F01*	73.3	73.2	0.1	0.1	68	17	68	17	0	0

S9 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	32.9	32.8	0.1	0.3	74	23	74	23	0	0
				W2/F00*	75	74.7	0.3	0.4	92	28	90	26	2.2	7.1
				W3/F00*	75	74.6	0.4	0.5	90	28	88	26	2.2	7.1
F01	R1	Residential	Unknown	W1/F01	38.2	37	1.2	3.1	83	28	83	28	0	0
				W2/F01	38.3	37.1	1.2	3.1	83	28	83	28	0	0

60 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	25.9	25.8	0.1	0.4	50	13	50	13	0	0
				W2/F00	28.3	28	0.3	1.1	62	19	61	18	16	5.3

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		VSC(WINDOW)				APSH(WINDOW)								
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	EX.		PR.		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
F01	R1	Residential	Unknown	W1/F01	37	35.9	1.1	3	74	26	74	26	0	0
				W2/F01	38.1	37	1.1	2.9	82	28	82	28	0	0

61 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	17.6	17.3	0.3	1.7	44	13	43	12	2.3	7.7
	R2	Residential	Unknown	W2/F00*	77.9	77.8	0.1	0.1	91	28	91	28	0	0
				W3/F00*	93.6	93.4	0.2	0.2	95	28	95	28	0	0
				W4/F00*	97.4	97.2	0.2	0.2	96	28	96	28	0	0
				W5/F00*	97.5	97.4	0.1	0.1	96	28	96	28	0	0
				W6/F00	34.6	34.3	0.3	0.9	78	23	78	23	0	0
F01	R1	Residential	Unknown	W1/F01	38.2	37.1	1.1	2.9	83	28	83	28	0	0

62 MULVEY PARK														
F00	R1	Residential	Unknown	W4/F00	27.7	27.5	0.2	0.7	52	15	52	15	0	0
	R2	Residential	Unknown	W1/F00	26.2	25.9	0.3	1.1	52	12	52	12	0	0
				W2/F00	28.7	28.6	0.1	0.3	35	8	35	8	0	0
				W3/F00	20	20	0	0	45	4	45	4	0	0
				W5/F00*	47	46.8	0.2	0.4	44	13	44	13	0	0
F01	R1	Residential	Unknown	W1/F01	34.9	34.1	0.8	2.3	72	22	72	22	0	0

64 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	28.8	28.6	0.2	0.7	63	21	63	21	0	0
				W2/F00*	80.3	80.2	0.1	0.1	91	28	91	28	0	0
				W3/F00*	80.6	80.5	0.1	0.1	91	28	91	28	0	0
				W4/F00*	96.5	96.3	0.2	0.2	94	28	94	28	0	0
F01	R1	Residential	Unknown	W1/F01	38.3	37.3	1	2.6	83	28	83	28	0	0
				W2/F01	38.4	37.4	1	2.6	83	28	83	28	0	0

63 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	28.4	28	0.4	1.4	59	20	59	20	0	0

27/06/2024					VSC(WINDOW)				APSH(WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	EX.		PR.		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
					F01	R1	Residential	Unknown	W1/F01	37.8	36.7	1.1	2.9	80
				W2/F01	38.2	37.2	1	2.6	83	28	83	28	0	0

65 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	25.8	25.5	0.3	1.2	54	18	54	18	0	0
	R2	Residential	Unknown	W2/F00	33.8	33.3	0.5	1.5	72	25	72	25	0	0
F01	R1	Residential	Unknown	W1/F01	26.7	26.6	0.1	0.4	42	13	42	13	0	0
				W2/F01	38.1	37.2	0.9	2.4	83	28	83	28	0	0
				W3/F01	38.2	37.3	0.9	2.4	81	28	81	28	0	0

66 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00*	65.3	65.2	0.1	0.2	76	23	76	23	0	0
				W2/F00*	81.5	81.4	0.1	0.1	81	23	81	23	0	0
				W3/F00	35.7	35.3	0.4	1.1	79	24	79	24	0	0
F01	R1	Residential	Unknown	W1/F01	38	37.1	0.9	2.4	80	28	80	28	0	0
				W2/F01	37.2	36.4	0.8	2.2	78	28	78	28	0	0

67 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	25.8	25.8	0	0	51	15	51	15	0	0
				W2/F00	21.5	21.3	0.2	0.9	49	16	49	16	0	0
F01	R1	Residential	Unknown	W1/F01	36.1	35.3	0.8	2.2	75	27	75	27	0	0
				W2/F01	31.5	30.7	0.8	2.5	65	24	65	24	0	0

68 MULVEY PARK														
F00	R1**	Residential	Unknown	W1/F00	28.8	28.8	0	0	62	13	62	13	0	0
				W2/F00	32.1	32.1	0	0	71	17	71	17	0	0
				W3/F00	35.7	35.4	0.3	0.8	79	24	79	24	0	0
F01	R2	Residential	Unknown	W1/F01	38.7	37.9	0.8	2.1	83	28	83	28	0	0
				W2/F01	38.7	37.9	0.8	2.1	83	28	83	28	0	0
				W3/F01	33.9	33.9	0	0	37	9	37	9	0	0

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

70 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	33.2	33.2	0	0	75	22	75	22	0	0
				W2/F00	32.2	32.2	0	0	73	21	73	21	0	0
				W3/F00	32.7	32.7	0	0	71	21	71	21	0	0
				W4/F00	20.4	20.4	0	0	27	7	27	7	0	0
F01	R1	Residential	Unknown	W1/F01	37.5	36.9	0.6	1.6	79	24	79	24	0	0
				W2/F01	38	37.4	0.6	1.6	81	26	81	26	0	0
				W3/F01	38.2	37.6	0.6	1.6	80	26	80	26	0	0
				W4/F01	30.4	30.4	0	0	31	8	31	8	0	0

69 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	31.4	31.4	0	0	66	18	66	18	0	0
				W2/F00	31.3	31.3	0	0	67	21	67	21	0	0
F01	R1	Residential	Unknown	W1/F01	25.4	25.4	0	0	47	13	47	13	0	0
				W2/F01	34.6	34.4	0.2	0.6	73	20	73	20	0	0

71 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	33.5	33.3	0.2	0.6	74	20	74	20	0	0
				W2/F00	18.3	18.3	0	0	45	13	45	13	0	0
	R2	Residential	Unknown	W3/F00	23.4	23.3	0.1	0.4	51	17	51	17	0	0
	R3	Residential	Unknown	W4/F00	18.8	18.8	0	0	36	11	36	11	0	0
F01	R1	Residential	Unknown	W1/F01	38.4	37.9	0.5	1.3	83	28	83	28	0	0
	R2	Residential	Unknown	W2/F01	38.4	37.9	0.5	1.3	83	28	83	28	0	0
	R3	Residential	Unknown	W3/F01	27.5	27.2	0.3	1.1	43	15	43	15	0	0

72 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	29.5	29.5	0	0	62	18	62	18	0	0
				W2/F00	18.9	18.9	0	0	38	2	38	2	0	0
F01	R1	Residential	Unknown	W1/F01	38.4	37.9	0.5	1.3	84	29	83	28	1.2	3.4

27/06/2024														
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)					
					EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER		
	R2	Residential	Unknown	W2/F01	38.4	37.9	0.5	1.3	84	29	83	28	12	3.4

73 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	29.7	29.7	0	0	64	22	64	22	0	0
				W2/F00	31.4	31.4	0	0	65	17	65	17	0	0
				W3/F00*	91.7	91.5	0.2	0.2	96	29	94	27	21	6.9
				W4/F00	21.8	21.8	0	0	47	17	47	17	0	0
				W5/F00*	70.3	70	0.3	0.4	78	23	76	21	2.6	8.7
	R2	Residential	Unknown	W6/F00	11.4	11.4	0	0	21	0	21	0	0	0
F01	R1	Residential	Unknown	W1/F01	38.1	37.7	0.4	1	83	29	82	28	12	3.4
	R2	Residential	Unknown	W2/F01	38.3	37.9	0.4	1	84	29	83	28	12	3.4

74 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	34.4	34.4	0	0	76	22	76	22	0	0
	R2	Residential	Unknown	W2/F00	28.5	28.5	0	0						
				W3/F00	17.2	17.2	0	0						
F01	R3	Residential	Unknown	W4/F00	17.8	17.8	0	0	35	2	35	2	0	0
				W5/F00*	76.2	76.2	0	0	75	22	75	22	0	0
	R1	Residential	Unknown	W1/F01	38	37.5	0.5	1.3	82	28	81	27	12	3.6
	R2	Residential	Unknown	W2/F01	37	36.5	0.5	1.4	78	27	77	26	13	3.7

75 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	34.8	34.8	0	0	75	21	75	21	0	0
F01	R1	Residential	Unknown	W1/F01	24.5	24	0.5	2	55	22	54	21	18	4.5
	R2	Residential	Unknown	W2/F01	32.1	31.6	0.5	1.6	58	20	57	19	17	5
				W3/F01	38.4	37.9	0.5	1.3	83	28	81	26	2.4	7.1

76 MULVEY PARK														
F00	R1	Residential	Unknown	W1/F00	33.4	33.4	0	0	72	19	72	19	0	0
				W2/F00	35.5	35.5	0	0	78	24	78	24	0	0

27/06/2024					VSC(WINDOW)				APSH (WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	Residential	Unknown	W1/F00	27.9	27.8	0.1	0.4	39	5	39	5	0	0
	R2	Residential	Unknown	W2/F00	28.4	27.8	0.6	2.1						
	R3	Residential	Unknown	W3/F00	30.1	29.2	0.9	3						
F01	R1	Residential	Unknown	W1/F01	37.8	36	1.8	4.8						
	R2	Residential	Unknown	W2/F01	36.8	35.1	1.7	4.6						
	R3	Residential	Unknown	W3/F01	37.7	36	1.7	4.5						

81 LARCHFIELD ROAD													
F00	R1	Residential	Unknown	W1/F00	28.2	27.2	1	3.5					
	R2	Residential	Unknown	W2/F00	27.3	26	1.3	4.8					
	R3	Residential	Unknown	W3/F00	32.8	31.9	0.9	2.7					
F01	R1	Residential	Unknown	W1/F01	36.4	34.6	1.8	4.9					
	R2	Residential	Unknown	W2/F01	35	33.3	1.7	4.9					
	R3	Residential	Unknown	W3/F01	35.1	33.4	1.7	4.8	17	1	17	1	0
				W4/F01*	27.9	27.8	0.1	0.4	54	15	54	15	0

79 LARCHFIELD ROAD													
F00	R1	Residential	Unknown	W1/F00	34.8	33.7	1.1	3.2					
				W2/F00	34	32.7	1.3	3.8					
				W3/F00	25	24.7	0.3	1.2					
				W8/F00*	65.8	65.3	0.5	0.8					
	R2	Residential	Unknown	W4/F00	26.3	25.8	0.5	1.9	0	0	0	0	0
				W5/F00	36.9	35.5	1.4	3.8	29	0	19	1	5
				W6/F00	29	28.4	0.6	2.1	28	2	27	2	3.6
				W7/F00	34.5	32.9	1.6	4.6	19	0	19	0	0
				W9/F00*	0	0	0	0	0	0	0	0	0
F01	R1	Residential	Unknown	W1/F01	36	34.2	1.8	5					
	R2	Residential	Unknown	W2/F01	35	33.2	1.8	5.1					
	R3	Residential	Unknown	W3/F01	35	33.2	1.8	5.1					
				W4/F01	31.2	29.4	1.8	5.8					

27/06/2024

					VSC(WINDOW)				APSH(WINDOW)				
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX %	PR. %	LOSS %	EX.		PR.		LOSS %	
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
						R2	Residential	Unknown	W2/F00	34.9	34.1	0.8	2.3
	R3	Residential	Unknown	W3/F00	36.6	35.8	0.8	2.2					
	R4	Residential	Unknown	W4/F00	35.1	34.4	0.7	2					

46 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	33.3	31.9	1.4	4.2				
	R2	Residential	Unknown	W2/F00	36.4	34.8	1.6	4.4				
	R3	Residential	Unknown	W3/F00	36.2	34.8	1.4	3.9				

42 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	28.1	27.8	0.3	1.1	62	14	62	14	0	0
				W2/F00	27.5	27.2	0.3	1.1	62	13	62	13	0	0
				W3/F00	26.3	25.9	0.4	1.5	59	9	58	8	17	11.1
				W4/F00	24.6	24	0.6	2.4	56	8	55	7	18	12.5
	R2	Residential	Unknown	W5/F00	15.7	15.3	0.4	2.5	39	1	37	1	5.1	0
				W6/F00	21.3	20.9	0.4	1.9	46	4	46	4	0	0
	R3	Residential	Unknown	W7/F00	26.4	25.7	0.7	2.7						
				W8/F00	16	15.7	0.3	1.9						
	R4	Residential	Unknown	W9/F00	30.6	29.7	0.9	2.9						
	R5	Residential	Unknown	W10/F00	30.5	29.6	0.9	3						
				W11/F00	28.9	28.2	0.7	2.4						
				W12/F00	30.3	29.3	1	3.3						
	R6	Residential	Unknown	W13/F00	30.8	29.2	1.6	5.2	34	6	31	6	6.1	0
				W14/F00	29.8	28.6	1.2	4	29	4	29	4	0	0
				W15/F00	31.1	29.5	1.6	5.1	31	4	29	4	6.5	0
				W16/F00	16.7	16.4	0.3	1.8	48	0	44	0	8.3	0

44 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	35.2	33.5	1.7	4.8				
	R2	Residential	Unknown	W2/F00	35.7	33.9	1.8	5				

PROJECT: 17967

CENTRAL MENTAL HOSPITAL,

27/06/2024

DAYLIGHT SUNLIGHT ANALYSIS

EXISTING VS. PROPOSED

ITERATION NO.: IR32

ARCHITECT: REDDY ARCHITECTURE

27/06/2024

27/06/2024														
VSC(WINDOW)					APSH(WINDOW)									
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	EX		PR.		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
	R3	Residential	Unknown	W3/F00	35.3	33.5	1.8	5.1						
	R4	Residential	Unknown	W4/F00	31.4	30.1	1.3	4.1						
F01	R1	Residential	Unknown	W1/F01*	87.2	86.2	1	11						

38 FRIARS/LAND ROAD														
F00	R1	Residential	Unknown	W1/F00	34.4	31.7	2.7	7.8	5.2	16	46	12	11.5	25
	R2	Residential	Unknown	W2/F00	34.7	31.8	2.9	8.4	5.3	16	47	13	11.3	18.8
				W4/F00*	64	63.5	0.5	0.8	5.9	14	54	11	8.5	21.4
	R3	Residential	Unknown	W3/F00	34.7	31.8	2.9	8.4	5.0	13	44	11	12	15.4
	R4	Residential	Unknown	W5/F00	33.8	31.3	2.5	7.4	4.5	8	41	8	8.9	0

40 FRIARSLAND ROAD									
F00	R1	Residential	Unknown	W1/F00	33.3	31.5	1.8	5.4	
	R2	Residential	Unknown	W2/F00	35.7	32.6	3.1	8.7	
	R3	Residential	Unknown	W3/F00	34.3	31.7	2.6	7.6	

36 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	33.3	32	1.3	3.9	1.2	0	8	0	33.3	0
				W2/F00	33.9	32.7	1.2	3.5	1.2	0	8	0	33.3	0
				W3/F00	35.6	34.2	1.4	3.9	1.3	0	8	0	38.5	0
				W4/F00	36.6	32.4	4.2	11.5	5.9	18	51	15	13.6	16.7
				W5/F00	36.7	32.6	4.1	11.2	5.9	18	51	15	13.6	16.7
				W6/F00	36.8	32.7	4.1	11.1	5.8	18	51	15	12.1	16.7
				W7/F00*	83.6	82.9	0.7	0.8	7.7	22	74	19	3.9	13.6
	R2	Residential	Unknown	W8/F00*	87.1	87.1	0	0	5.6	16	56	16	0	0
				W9/F00*	80.4	80.1	0.3	0.4	4.7	10	44	8	6.4	20
				W10/F00*	69.1	68.8	0.3	0.4	3.2	3	30	1	6.2	66.7
F01	R1	Residential	Unknown	W1/F01	38.6	34.6	4	10.4	5.8	17	55	14	5.2	17.6

28 FRIARSLAND ROAD

27/06/2024

					VSC(WINDOW)				APSH(WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	Residential	Unknown	W1/F00	24	23.2	0.8	3.3	39	15	38	14	2.6	6.7
				W2/F00*	58.3	57.9	0.4	0.7	65	20	61	18	6.2	10
				W3/F00*	57.4	57	0.4	0.7	65	20	63	18	31	10
F01	R1	Residential	Unknown	W1/F01	38.8	35.4	3.4	8.8	59	18	56	16	5.1	11.1
	R2	Residential	Unknown	W2/F01	38.8	35.5	3.3	8.5	59	18	56	16	5.1	11.1
	R3	Residential	Unknown	W3/F01	38.8	35.5	3.3	8.5	59	18	57	16	3.4	11.1

32 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	33.2	30.3	2.9	8.7	43	12	39	9	9.3	25
				W2/F00	32.4	29.8	2.6	8	34	7	28	4	17.6	42.9
				W3/F00	35.2	32.1	3.1	8.8	43	11	37	5	16	27.3
				W4/F00	36.5	33.2	3.3	9	53	16	47	13	11.3	18.8
				W5/F00	37.1	33.6	3.5	9.4	58	18	52	15	10.3	16.7
				W6/F00	37.3	33.8	3.5	9.4	66	22	60	19	9.1	13.6
				W7/F00	37.2	34	3.2	8.6	75	25	68	22	9.3	12
				W8/F00	36.8	34	2.8	7.6	77	24	70	21	9.1	12.5
				W9/F00	35.7	33.4	2.3	6.4	78	24	72	21	7.7	12.5
				W10/F00	34	32.1	1.9	5.6	76	24	73	21	3.9	12.5
				W11/F00	25.1	24.1	1	4	57	20	54	17	5.3	15
				W12/F00	38.1	35.1	3	7.9	77	24	72	22	6.5	8.3
				W13/F00	38.6	35.1	3.5	9.1	71	23	66	21	7	8.7
				W14/F00	38.6	34.9	3.7	9.6	62	20	56	17	9.7	15
				W15/F00	38.3	34.7	3.6	9.4	53	15	47	12	11.3	20
				W16/F00	36.9	34	2.9	7.9	38	8	32	5	15.8	37.5
				W17/F00	34.3	32	2.3	6.7	27	4	22	2	18.5	50
				W18/F00	30.3	28.7	1.6	5.3	17	0	14	0	17.6	0
				W19/F00	25.5	24.5	1	3.9	0	0	0	0	27.0	0
				W20/F00	19.3	18.8	0.5	2.6	5	0	2	0	60	0
				W21/F00	12.6	12.5	0.1	0.8	0	0	0	0	0	0
				W22/F00	71	71	0	0	0	0	0	0	0	0

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)			
					EX %	PR %	LOSS %	LOSS %	EX		PR	
									ANNUAL	WINTER	ANNUAL	WINTER
				W23/F00	4.2	4.2	0	0				
				W24/F00	4.9	4.9	0	0	18	6	18	0
				W25/F00	8.7	8.7	0	0	31	13	31	0
				W26/F00	14.7	14.6	0.1	0.7	42	18	42	0
				W27/F00	22.3	21.9	0.4	1.8	54	22	53	19
				W28/F00	29.5	28.6	0.9	3.1	64	24	62	31
				W29/F00	34.6	32.9	1.7	4.9	76	24	74	26
				W30/F00	37.2	34.8	2.4	6.5	80	24	77	38
	R2	Residential	Unknown	W31/F00	26.4	24.2	2.2	8.3	53	17	50	14
F01	R1	Residential	Unknown	W1/F01	36.9	34.3	2.6	7	58	18	55	15
	R2	Residential	Unknown	W2/F01	38.2	35	3.2	8.4	59	18	57	17
	R3	Residential	Unknown	W3/F01	38.6	35.3	3.3	8.5	60	18	57	17

30 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	30.5	28.4	2.1	6.9	40	4	37	3
	R2	Residential	Unknown	W2/F00	36.7	33.5	3.2	8.7	54	13	50	11
F01	R1	Residential	Unknown	W1/F01	38.7	35.3	3.4	8.8	61	19	58	18
	R2	Residential	Unknown	W2/F01	38.7	35.3	3.4	8.8	60	18	58	17
	R3	Residential	Unknown	W3/F01	38.6	35.3	3.3	8.5	60	18	57	17

34 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	33.6	30.7	2.9	8.6	55	16	52	14
	R2	Residential	Unknown	W2/F00	30.9	28.6	2.3	7.4	41	2	39	2
	R3	Residential	Unknown	W3/F00	18.2	17.1	1.1	6				
				W4/F00	20.3	19.1	1.2	5.9				
				W5/F00	26.1	24.7	1.4	5.4				
F01	R1	Residential	Unknown	W1/F01	38.7	35	3.7	9.6	60	19	57	16
	R2	Residential	Unknown	W2/F01	38.7	35.1	3.6	9.3	60	18	56	15
	R3	Residential	Unknown	W3/F01	38.7	35.1	3.6	9.3	61	19	56	16

27/06/2024				VSC(WINDOW)				APSH(WINDOW)						
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX %	PR %	LOSS %	EX		PR		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
26 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	36.5	33.7	2.8	7.7	59	18	57	16	3.4	11.1
				W2/F00	37.1	34.1	3	8.1	60	18	58	16	3.3	11.1
				W3/F00	29.4	28.5	0.9	3.1	67	22	65	20	3	9.1
				W4/F00	24.7	23.9	0.8	3.2	57	17	55	15	3.5	11.8
				W5/F00	18.5	18	0.5	2.7	48	15	45	12	6.2	20
				W6/F00*	68.1	66.5	1.6	2.3	65	20	63	18	3.1	10
	R2	Residential	Unknown	W7/F00	25.3	24.1	1.2	4.7	44	8	43	7	2.3	12.5
F01	R1	Residential	Unknown	W1/F01	38.7	35.5	3.2	8.3	60	18	58	16	3.3	11.1
	R2	Residential	Unknown	W2/F01	38.7	35.5	3.2	8.3	59	18	57	16	3.4	11.1
	R3	Residential	Unknown	W3/F01	38.8	35.6	3.2	8.2	61	19	59	17	3.3	10.5

24 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	33.3	31.8	1.5	4.5	49	11	48	10	2	9.1
				W4/F00*	63.8	63.5	0.3	0.5	68	22	65	19	4.4	13.6
	R2	Residential	Unknown	W2/F00	31.2	29.7	1.5	4.8	46	5	46	5	0	0
				W3/F00	9.2	9.2	0	0	20	0	20	0	0	0
F01				W5/F00*	64	63.7	0.3	0.5	70	22	67	19	4.3	13.6
	R1	Residential	Unknown	W1/F01	38.7	35.4	3.3	8.5	61	19	58	16	4.9	15.8
	R2	Residential	Unknown	W2/F01	38.7	35.4	3.3	8.5	60	18	57	15	5	16.7
	R3	Residential	Unknown	W3/F01	38.8	35.5	3.3	8.5	62	20	59	17	4.8	15

41 LARCHFIELD ROAD														
F00	R1	Residential	Unknown	W1/F00	28.2	27.8	0.4	1.4	21	1	19	1	9.5	0
				W2/F00	31.1	30.5	0.6	1.9	19	0	17	0	10.5	0
				W3/F00	22.3	22	0.3	1.3	30	0	29	0	3.3	0
				W5/F00*	69.1	69	0.1	0.1	29	1	28	1	3.4	0
	R2	Residential	Unknown	W4/F00	25.7	25.4	0.3	1.2						
F01	R1	Residential	Unknown	W2/F01	37.8	36.4	1.4	3.7						
				W3/F01	38.2	36.7	1.5	3.9						

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)			
					EX. %	PR. %	LOSS %	LOSS %	EX.		PR.	
									ANNUAL	WINTER	ANNUAL	WINTER
	R2	Residential	Unknown	W4/F01	38.3	36.7	16	4.2				
F02	R1	Residential	Unknown	W1/F02	39.1	38	11	2.8	22	1	21	1
				W2/F02	39.1	38	11	2.8	22	1	21	1
				W3/F02*	83.5	83.5	0	0	91	29	91	0

45 LARCHFIELD ROAD												
F00	R1	Residential	Unknown	W1/F00	29.5	28.6	0.9	3.1				
	R2	Residential	Unknown	W2/F00	26.3	26.2	0.1	0.4				
				W3/F00	33.7	31.8	1.9	5.6				
	R3	Residential	Unknown	W4/F00	38.4	35.5	2.9	7.6				
F01	R1	Residential	Unknown	W1/F01	38.8	36.9	1.9	4.9				
	R2	Residential	Unknown	W2/F01	38.9	36.9	2	5.1				
				W3/F01	38.9	36.9	2	5.1				
	R3	Residential	Unknown	W4/F01	39	36.9	2.1	5.4				

43 LARCHFIELD ROAD												
F00	R1	Residential	Unknown	W1/F00	30.3	28.4	1.9	6.3				
	R2	Residential	Unknown	W2/F00	35.3	34	1.3	3.7				
	R3	Residential	Unknown	W3/F00	34.3	33	1.3	3.8	60	12	57	12
				W4/F00	35	33.6	1.4	4	61	13	58	13
F01	R1	Residential	Unknown	W1/F01	38.8	36.9	1.9	4.9				
	R2	Residential	Unknown	W2/F01	38.8	37.1	1.7	4.4				
				W3/F01	38.8	37.1	1.7	4.4				

39 LARCHFIELD ROAD												
F00	R1	Residential	Unknown	W1/F00	22	21.4	0.6	2.7				
	R2	Residential	Unknown	W2/F00	29.3	28.4	0.9	3.1				
	R3	Residential	Unknown	W3/F00	27.8	27.5	0.3	1.1				
F01	R1	Residential	Unknown	W1/F01	36.1	35.1	1	2.8				
	R2	Residential	Unknown	W2/F01	37	35.8	1.2	3.2				

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

47 LARCHFIELD ROAD											
F00	R1	Residential	Unknown	W1/F00	35.1	33.1	2	5.7			
				W2/F00*	79	78.3	0.7	0.9			
	R2	Residential	Unknown	W3/F00	36.5	34	2.5	6.8			
				W4/F00*	77.3	76.7	0.6	0.8			
F01	R1	Residential	Unknown	W1/F01	38.2	36	2.2	5.8			
	R2	Residential	Unknown	W2/F01	38.1	35.9	2.2	5.8			
	R3	Residential	Unknown	W3/F01	38	35.9	2.1	5.5			
				W4/F01	37.5	35.4	2.1	5.6			

49 LARCHFIELD ROAD											
F00	R1	Residential	Unknown	W1/F00	31.6	28.8	2.8	8.9			
				W2/F00*	84.2	83.3	0.9	1.1			
	R2	Residential	Unknown	W3/F00	37	34	3	8.1			
				W4/F00	37.9	34.7	3.2	8.4			
F01				W5/F00*	84.7	83.8	0.9	1.1			
	R1	Residential	Unknown	W1/F01	38.3	35.9	2.4	6.3			
	R2	Residential	Unknown	W2/F01	38.2	35.8	2.4	6.3			
	R3	Residential	Unknown	W3/F01	38.2	35.8	2.4	6.3			

51 LARCHFIELD ROAD														
F00	R1	Residential	Unknown	W1/F00	37.8	34.5	3.3	8.7	18	1	18	1	5.9	0
				W2/F00*	81.8	80.6	1.2	1.5	35	1	34	1	2.9	0
				W3/F00	22.6	21.7	0.9	4	27	1	26	1	3.7	0
F01	R2	Residential	Unknown	W4/F00	29.5	26.9	2.6	8.8						
	R1	Residential	Unknown	W1/F01	36.5	33.9	2.6	7.1						
	R2	Residential	Unknown	W2/F01	36.5	33.9	2.6	7.1						
	R3	Residential	Unknown	W3/F01	37.2	34.6	2.6	7						

27/06/2024					VSC(WINDOW)				APSH(WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX %	PR %	LOSS %	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	Residential	Unknown	W1/F00	34.8	32.2	2.6	7.5						
				W3/F00*	93.5	93.1	0.4	0.4	71	9	70	9	1.4	0
				W2/F00	36.2	32.8	3.4	9.4	13	0	12	0	2.7	0
	R2	Residential	Unknown	W4/F00*	85.3	84.9	0.4	0.5	44	2	43	2	2.3	0
				W5/F00*	83.8	83.5	0.3	0.4	36	1	36	1	0	0
F01	R1	Residential	Unknown	W1/F01	37	34	3	8.1						
				W2/F01	36.7	33.8	2.9	7.9						
				W4/F01	31.6	31.1	0.5	1.6						
	R2	Residential	Unknown	W3/F01	36.1	33.4	2.7	7.5						
F02	R1	Residential	Unknown	W1/F02*	84.5	83.1	1.4	1.7						

61 LARCHFIELD ROAD												
F00	R1	Residential	Unknown	W1/F00	14	12.9	1.1	7.9				
	R2	Residential	Unknown	W3/F00	36.2	33.1	3.1	8.6				
	R3	Residential	Unknown	W2/F00	15.5	14.7	0.8	5.2				
F01	R1	Residential	Unknown	W1/F01	30.7	28.9	1.8	5.9				
	R2	Residential	Unknown	W3/F01*	89.8	89.3	0.5	0.6	16	16	16	0
				W4/F01	37.4	34	3.4	9.1	18	1	17	5.6
				W5/F01*	90.1	89.7	0.4	0.4	91	27	91	0
	R3	Residential	Unknown	W2/F01*	88.8	88.3	0.5	0.6	75	14	75	0
				W6/F01	33.7	33.2	0.5	1.5	61	16	61	0
				W7/F01	32.1	31.6	0.5	1.6	61	15	61	0

63 LARCHFIELD ROAD												
F00	R1	Residential	Unknown	W1/F00	36.9	34	2.9	7.9	22	1	21	1
				W2/F00	26.4	26	0.4	1.5	41	1	40	1
				W4/F00*	77.9	77.9	0	0	38	1	38	1
	R2	Residential	Unknown	W3/F00	22.3	20.4	1.9	8.5				
F01	R1	Residential	Unknown	W1/F01	36.7	34.3	2.4	6.5				
				W2/F01	36.9	34.4	2.5	6.8				

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)			
					EX. %	PR. %	LOSS	LOSS %	EX.		PR.	
									ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	Residential	Unknown	W1/F00	38.4	34.1	4.3	11.2	58	17	54	15
				W5/F00*	69	68.2	0.8	1.2	64	20	62	18
	R2	Residential	Unknown	W2/F00	36.7	32.5	4.2	11.4	55	14	51	12
				W3/F00	34.5	30.7	3.8	11	44	7	41	6
F01				W4/F00	29.5	25.5	4	13.6	26	3	23	2
				W6/F00*	68.3	67.4	0.9	1.3	62	18	61	17
	R1	Residential	Unknown	W1/F01	34.7	31.3	3.4	9.8	48	16	45	14
	R2	Residential	Unknown	W2/F01	33.3	30.1	3.2	9.6	47	16	44	14
F02	R3	Residential	Unknown	W3/F01	33.3	30.1	3.2	9.6	47	16	44	14
	R4	Residential	Unknown	W4/F01	34.6	31.4	3.2	9.2	48	16	46	15
	R1	Residential	Unknown	W1/F02*	84.1	82.4	1.7	2	83	24	82	24
	R2	Residential	Unknown	W2/F02*	83.9	82.3	1.6	1.9	81	22	80	22
	R3	Residential	Unknown	W3/F02*	83.4	81.8	1.6	1.9	75	22	74	22

18 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	27.8	25.3	2.5	9	48	16	45	13
	R2	Residential	Unknown	W2/F00	34.5	31	3.5	10.1	53	16	49	13
	R3	Residential	Unknown	W3/F00	31	28.1	2.9	9.4	37	3	33	1
F01	R1	Residential	Unknown	W1/F01	26	22.8	3.2	12.3	36	13	32	10
	R2	Residential	Unknown	W2/F01	25.7	22.6	3.1	12.1	36	13	32	10
	R3	Residential	Unknown	W3/F01	28.1	24.8	3.3	11.7	39	14	35	11

22 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	30.7	28.8	1.9	6.2	39	3	37	1
				W2/F00*	94.5	94.3	0.2	0.2	79	3	77	7
	R2	Residential	Unknown	W3/F00	38.6	35.1	3.5	9.1	60	18	56	15
				W4/F00*	90.4	89.9	0.5	0.6	63	4	61	4
				W5/F00*	76.9	76.5	0.4	0.5	25	2	23	1
				W6/F00*	64.2	63.6	0.6	0.9	65	21	62	18
	R3	Residential	Unknown	W7/F00	31.2	28.3	2.9	9.3	45	6	41	3

27/06/2024

					VSC(WINDOW)				APSH(WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX %	PR. %	LOSS %	EX.		PR.		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
F01	R1	Residential	Unknown	W1/F01	34.7	31.7	3	8.6	48	16	44	13	8.3	18.8
	R2	Residential	Unknown	W2/F01	34.6	31.7	2.9	8.4	48	16	44	13	8.3	18.8
F02	R1	Residential	Unknown	W1/F02*	80.4	78.8	1.6	2	60	12	58	11	3.3	8.3

20 FRIARSLAND ROAD														
B01	R1	Residential	Unknown	W1/B01	33.6	31.3	2.3	6.8	49	7	47	6	4.1	14.3
				W2/B01	29.1	27.5	1.6	5.5	38	1	36	0	5.3	100
				W3/B01	9.6	9.2	0.4	4.2	12	0	12	0	0	0
F00	R1	Residential	Unknown	W1/F00	29.8	26.6	3.2	10.7	29	4	26	2	10.3	50
	R2	Residential	Unknown	W2/F00	28.3	27.3	1	3.5	13	0	12	0	7.7	0
				W3/F00	33.9	29.9	4	11.8	49	17	45	14	8.2	17.6
				W4/F00	34.4	30.4	4	11.6	59	18	55	15	6.8	16.7
	R3	Residential	Unknown	W5/F00*	75	74.6	0.4	0.5	65	16	61	13	6.2	18.8
F01	R1	Residential	Unknown	W1/F01	34.6	31.6	3	8.7	48	16	44	13	8.3	18.8
	R2	Residential	Unknown	W2/F01	33.2	30.3	2.9	8.7	48	16	44	13	8.3	18.8
	R3	Residential	Unknown	W3/F01	33.1	30.2	2.9	8.8	48	16	44	13	8.3	18.8
	R4	Residential	Unknown	W4/F01	33.8	30.9	2.9	8.6	45	13	41	10	8.9	23.1
F02	R1	Residential	Unknown	W1/F02	39.2	36.9	2.3	5.9	60	18	58	17	3.3	5.6
	R2	Residential	Unknown	W2/F02*	82.4	82.1	0.3	0.4	94	28	93	27	11	3.6

71 LARCHFIELD ROAD														
F00	R1	Residential	Unknown	W1/F00	33.1	32.8	0.3	0.9	58	10	58	10	0	0
				W2/F00	23.2	22.9	0.3	1.3	28	2	28	2	0	0
	R2	Residential	Unknown	W3/F00	30.5	29	1.5	4.9						
				W4/F00*	92.1	90.9	1.2	1.3						
				W5/F00*	82.3	81.9	0.4	0.5						
	R3	Residential	Unknown	W6/F00	36.9	34.6	2.3	6.2	22	1	22	1	0	0
				W7/F00	36.2	34.1	2.1	5.8	20	1	20	1	0	0
				W8/F00*	91.3	90.2	1.1	1.2	59	6	59	6	0	0
				W9/F00*	67.7	67.5	0.2	0.3	30	2	30	2	0	0

PROJECT: 17967

CENTRAL MENTAL HOSPITAL,

27/06/2024

DAYLIGHT SUNLIGHT ANALYSIS

EXISTING VS. PROPOSED

VSC(WINDOW)

ITERATION NO.: IR32

ARCHITECT: REDDY ARCHITECTURE

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	EX.		PR.		LOSS %	
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F01	R1	Residential	Unknown	W1/F01	36.4	34.2	2.2	6					
				W2/F01	35.9	33.6	2.3	6.4					
				W4/F01	29.5	29	0.5	17					
	R2	Residential	Unknown	W3/F01	36.9	34.7	2.2	6					

73 LARCHFIELD ROAD												
F00	R1	Residential	Unknown	W1/F00	33.3	31.9	1.4	4.2				
	R2	Residential	Unknown	W2/F00	36.9	35.1	1.8	4.9				
F01	R1	Residential	Unknown	W1/F01	36.9	34.7	2.2	6				
	R2	Residential	Unknown	W2/F01	35.8	33.7	2.1	5.9	16	0	0	0
				W3/F01	35.8	33.7	2.1	5.9	17	0	0	0
				W4/F01	28.6	28.3	0.3	1	56	15	0	0

75 LARCHFIELD ROAD											
F00	F00	R1	Residential	Unknown	W1/F00	37.4	35.3	2.1	5.6		
		R2	Residential	Unknown	W2/F00	30.7	29	1.7	5.5		
F01	F01	R1	Residential	Unknown	W1/F01	38.3	36.3	2	5.2		
					W2/F01	38.3	36.3	2	5.2		
					W4/F01	32.1	31.6	0.5	1.6		
		R2	Residential	Unknown	W3/F01	38.3	36.3	2	5.2		
F02	F02	R1	Residential	Unknown	W1/F02*	86.4	85.4	1	1.2		
					W2/F02*	87.1	86.1	1	1.1		
					W3/F02*	87.1	86.8	0.3	0.3		

77 LARCHFIELD ROAD														
F00	R1	Residential	Unknown	W1/F00	37.9	36.2	1.7	4.5	22	1	22	1	0	0
				W2/F00	37.4	36	1.4	3.7	22		41	1	4.5	0
				W3/F00	37.8	36.2	1.6	4.2	22	1	21	1	4.5	0
				W5/F00*	58.7	57.9	0.8	1.4	25	0	19	0	0	0
				W6/F00*	62	61.8	0.2	0.3	48	4	48	4	0	0

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)			
					EX. %	PR. %	LOSS %	LOSS %	EX.		PR.	
									ANNUAL	WINTER	ANNUAL	WINTER
				W7/F00	38.7	36.9	1.8	4.7	44		44	0
	R2	Residential	Unknown	W4/F00	38.2	36.3	1.9	5	22	1	22	1
				W8/F00*	61	60.2	0.8	1.3	6	0	15	0
				W9/F00*	64.5	64.3	0.2	0.3	49	4	49	4
				W10/F00	39.1	37	2.1	5.4	22	1	22	1
F01	R1	Residential	Unknown	W1/F01	38.3	36.4	1.9	5				
	R2	Residential	Unknown	W2/F01	38.3	36.4	1.9	5				
				W3/F01*	85.9	84.9	1	1.2				
	R3	Residential	Unknown	W4/F01	38.3	36.5	1.8	4.7				
F02	R1	Residential	Unknown	W1/F02*	82.6	81.7	0.9	1.1	60	8	60	8
				W2/F02	39.4	37.9	1.5	3.8	22	1	22	1
				W3/F02*	87.7	87.6	0.1	0.1	89	27	89	27
				W4/F02*	87.7	87.7	0	0	94	29	94	29
				W5/F02*	86.8	86.8	0	0	94	29	94	29

6 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	34	32.9	1.1	3.2	55	17	55	17
				W2/F00	25	25	0	0	61	17	61	17
				W3/F00	18.3	18.3	0	0	49	15	49	15
				W5/F00*	92.4	92.3	0.1	0.1	83	26	83	26
				W6/F00*	90	89.9	0.1	0.1	79	23	79	23
				W7/F00*	77.2	77.1	0.1	0.1	67	19	67	19
	R2	Residential	Unknown	W4/F00	22.1	21.9	0.2	0.9	38	6	38	6
F01	R1	Residential	Unknown	W1/F01	36.8	34.9	1.9	5.2	53	16	52	16
				W2/F01	36.6	34.8	1.8	4.9	53	16	52	16
	R2	Residential	Unknown	W3/F01	36.7	34.8	1.9	5.2	51	14	50	14

4 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	17.2	17.2	0	0	43	4	43	4
				W2/F00	36.5	34.6	1.9	5.2	54	13	52	13

27/06/2024

					VSC(WINDOW)				APSH(WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R2	Residential	Unknown	W3/F00	19.5	18.1	1.4	7.2	15	0	14	0	6.7	0
				W4/F00	22.1	21.3	0.8	3.6	15	0	15	0	0	0
				W5/F00	26.1	25	1.1	4.2	22	1	22	1	0	0
	R3	Residential	Unknown	W6/F00	20.5	20.4	0.1	0.5	42	7	42	7	0	0
F01				W7/F00	20.6	20.6	0	0	51	11	51	11	0	0
	R1	Residential	Unknown	W1/F01	38.2	36.4	1.8	4.7	58	17	57	17	1.7	0
				W3/F01	33.1	33.1	0	0	81	24	81	24	0	0
F02	R2	Residential	Unknown	W2/F01	27.6	25.9	1.7	6.2	25	0	24	0	4	0
	R1	Residential	Unknown	W1/F02	39.1	37.8	1.3	3.3	59	18	58	18	1.7	0

10 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	22.6	21	1.6	7.1	42	8	42	8	0	0
	R2	Residential	Unknown	W2/F00	23.8	23.7	0.1	0.4	55	20	55	20	0	0
				W3/F00	35.4	32.9	2.5	7.1	57	18	56	18	1.8	0
F01	R1	Residential	Unknown	W1/F01	29.7	28.4	1.3	4.4	49	16	49	16	0	0
	R2	Residential	Unknown	W2/F01	38.9	36.3	2.6	6.7	59	18	58	18	1.7	0
				W3/F01	38.9	36.1	2.8	7.2	59	18	58	18	1.7	0

8 FRIARSLAND ROAD															
F00	R1	Residential	Unknown	W1/F00	33.2	30.8	2.4	7.2	49	8	47	8	4.1	0	
	R2	Residential	Unknown	W2/F00	20.5	20.5	0	0	49	16	49	16	0	0	
					W3/F00	36.7	34.7	2	5.4	57	17	56	17	1.8	0
					W4/F00*	54.5	54.2	0.3	0.6	64	20	63	20	1.6	0
F01	R1	Residential	Unknown	W1/F01	37.6	35.7	1.9	5.1	55	17	54	17	1.8	0	
				W2/F01	37.3	35.4	1.9	5.1	55	17	54	17	1.8	0	
	R2	Residential	Unknown	W3/F01	37.3	35.3	2	5.4	54	16	53	16	1.9	0	
		R3	Residential	Unknown	W4/F01	37	34.9	2.1	5.7	54	16	53	16	1.9	0

39 FRIARSLAND ROAD													
F00	R1	Residential	Unknown	W1/F00	36.5	36.2	0.3	0.8					

27/06/2024												
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)			APSH (WINDOW)				
					EX. %	PR. %	LOSS %	EX.		PR.	LOSS %	
								ANNUAL	WINTER			
												ANNUAL
	R2	Residential	Unknown	W2/F00	36.2	35.9	0.3	0.8				

37 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	36.6	36.3	0.3	0.8				
	R2	Residential	Unknown	W2/F00	36.3	35.9	0.4	1.1				

35 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	36.4	36	0.4	1.1				
	R2	Residential	Unknown	W2/F00	36.1	35.7	0.4	1.1				

33 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	36	35.5	0.5	1.4				
	R2	Residential	Unknown	W2/F00	36	35.3	0.7	1.9				

31 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	36	35.3	0.7	1.9				
	R2	Residential	Unknown	W2/F00	35.9	35.2	0.7	1.9				

29 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	35.8	35.1	0.7	2	48	14	48	14	0	0
	R2	Residential	Unknown	W2/F00	35.7	35	0.7	2	43	9	42	9	2.3	0

41 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	20.9	20.9	0	0	2	0	2	0	0	0
				W2/F00	37.1	36.9	0.2	0.5	34	5	33	4	2.9	20
				W3/F00	71	6.9	0.2	2.8	18	3	18	3	0	0
	R2	Residential	Unknown	W4/F00	33.8	33.8	0	0	15	0	15	0	0	0
				W5/F00	36.4	36.2	0.2	0.5	41	10	40	9	2.4	10
				W6/F00	32.8	32.5	0.3	0.9	48	10	47	9	2.1	10
	R3	Residential	Unknown	W7/F00	35	34.7	0.3	0.9						

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH (WINDOW)			
					EX. %	PR. %	LOSS %	LOSS %	EX.		PR.	
									ANNUAL	WINTER	ANNUAL	WINTER
	R4	Residential	Unknown	W8/F00	35.6	35.4	0.2	0.6				
	R6	Residential	Unknown	W10/F00	31.4	31.4	0	0	16	0	16	0
				W11/F00	36	35.9	0.1	0.3	33	4	33	4
				W12/F00	27.5	27.4	0.1	0.4	38	4	38	4
F01	R1	Residential	Unknown	W1/F01*	88.9	88.7	0.2	0.2				
	R2	Residential	Unknown	W2/F01*	88.9	88.6	0.3	0.3				

19 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	34.5	34.3	0.2	0.6	53	15	52	14	19	6.7
	R2	Residential	Unknown	W2/F00	34.6	34.4	0.2	0.6	53	16	51	14	38	12.5
	R3	Residential	Unknown	W3/F00	19.9	19.6	0.3	1.5	24	6	23	5	4.2	16.7

17 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	34.9	34.4	0.5	1.4	53	15	52	14	19	6.7
	R2	Residential	Unknown	W2/F00	35	34.6	0.4	1.1	51	14	51	14	0	0
	R3	Residential	Unknown	W3/F00	34.3	34	0.3	0.9	51	14	51	14	0	0
				W4/F00	33.2	32.7	0.5	1.5	48	13	48	13	0	0
				W5/F00	34.5	34.3	0.2	0.6	52	14	52	14	0	0

21 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	34.6	34.5	0.1	0.3	52	13	52	13	0	0
	R2	Residential	Unknown	W2/F00	34.6	34.5	0.1	0.3	51	14	51	14	0	0

23 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	34.5	34.4	0.1	0.3	52	14	52	14	0	0
	R2	Residential	Unknown	W2/F00	34.4	34.3	0.1	0.3	50	13	50	13	0	0

25 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	34.8	34.5	0.3	0.9	52	14	52	14	0	0
	R2	Residential	Unknown	W2/F00	34.7	34.5	0.2	0.6	50	13	50	13	0	0

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

27 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	35	34.6	0.4	11	50	13	50	13	0	0
	R2	Residential	Unknown	W2/F00	35	34.6	0.4	11	49	13	48	13	2	0

1 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	33.7	33.7	0	0	19	1	19	1	0	0
F01				W2/F00	22.4	22.4	0	0	31	5	31	5	0	0
	R2	Residential	Unknown	W3/F00	32.7	32.7	0	0	19	1	19	1	0	0
				W4/F00	32.1	32.1	0	0	51	14	51	14	0	0
	R3	Residential	Unknown	W5/F00	18.8	18.8	0	0	24	5	24	5	0	0
				W6/F00	5.6	5.6	0	0	4	1	4	1	0	0
	R4	Residential	Unknown	W7/F00	35.1	35	0.1	0.3	66	21	66	21	0	0
				W8/F00	34.7	34.7	0	0	74	26	74	26	0	0
	R1	Residential	Unknown	W1/F01	34	33.9	0.1	0.3						
	R2	Residential	Unknown	W2/F01	34.1	33.9	0.2	0.6	20	1	20	1	0	0
				W3/F01	32.2	32.1	0.1	0.3	55	16	55	16	0	0

15 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	33.2	32.7	0.5	1.5	33	4	33	4	0	0
				W2/F00	36	35.5	0.5	1.4	56	15	56	15	0	0
				W3/F00	31.5	31.2	0.3	1	57	17	57	17	0	0

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC(WINDOW)				APSH(WINDOW)			
					EX. %	PR. %	LOSS %	LOSS %	EX.		PR.	
									ANNUAL	WINTER	ANNUAL	WINTER
F01	R1	Residential	Unknown	W1/F01	31.3	30.4	0.9	2.9				
				W2/F01	37.6	36.7	0.9	2.4	59	17	59	17
				W3/F01	29.7	29.2	0.5	1.7	52	16	52	16
	R2	Residential	Unknown	W4/F01	32.9	32.1	0.8	2.4	48	16	48	16
				W5/F01	24.2	24.2	0	0	55	15	55	15
	R3	Residential	Unknown	W6/F01	17	16.8	0.2	1.2	24	1	24	1
				W7/F01	35.7	35.7	0	0	59	1	59	1

11 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	36	35.8	0.2	0.6	57	16	56	16
F01	R1	Residential	Unknown	W1/F01	37.7	37.1	0.6	1.6	59	18	58	18
	R2	Residential	Unknown	W2/F01	34.6	34.1	0.5	1.4	53	17	52	17
				W3/F01	19.7	19.6	0.1	0.5	55	3	55	3

13 FRIARSLAND ROAD												
F00	R2	Residential	Unknown	W2/F00	35.9	35.5	0.4	1.1	58	17	58	17
F01	R1	Residential	Unknown	W1/F01	24.9	24.8	0.1	0.4	5	1	5	1
				W2/F01	34.6	33.8	0.8	2.3	52	16	52	16
	R2	Residential	Unknown	W3/F01	37.7	37	0.7	1.9	59	18	59	18

7 FRIARSLAND ROAD												
F00	R1	Residential	Unknown	W1/F00	33.7	33.7	0	0	48	12	48	12
				W2/F00	28.7	28.6	0.1	0.3	53	14	53	14
	R3	Residential	Unknown	W4/F00	26	25.9	0.1	0.4	24	0	24	0
				W5/F00*	67.6	67.6	0	0	66	5	66	5
F01	R1	Residential	Unknown	W1/F01	32.6	32.2	0.4	1.2	46	15	46	15
				W2/F01	22.3	22.1	0.2	0.9	41	14	41	14
	R2	Residential	Unknown	W3/F01	25.7	25.3	0.4	1.6	37	13	36	13
				W4/F01	29.8	29.8	0	0	71	15	71	15

27/06/2024

					VSC(WINDOW)			APSH(WINDOW)						
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS %	EX.		PR.		LOSS %		
								ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
9 FRIARSLAND ROAD														
F00	R2	Residential	Unknown	W2/F00	29.8	29.8	0	0	33	5	33	5	0	0
				W3/F00	33.7	33.6	0.1	0.3	50	12	50	12	0	0
F01	R1	Residential	Unknown	W1/F01	26.3	25.8	0.5	1.9	38	13	37	13	2.6	0
				W2/F01	26.2	25.7	0.5	1.9	37	13	37	13	0	0
	R3	Residential	Unknown	W3/F01	23	22.5	0.5	2.2	33	7	33	7	0	0
				W4/F01	32.7	32.2	0.5	1.5	47	16	47	16	0	0
				W5/F01*	84	83.3	0.7	0.8	77	22	77	22	0	0
				W6/F01*	82.7	82	0.7	0.8	73	25	73	25	0	0

5 FRIARSLAND ROAD														
F00	R2	Residential	Unknown	W2/F00	30.8	30.8	0	0	32	4	32	4	0	0
				W3/F00	34.9	34.8	0.1	0.3	53	14	53	14	0	0
				W4/F00	29.2	29.1	0.1	0.3	51	13	51	13	0	0
F01	R1	Residential	Unknown	W1/F01	31.5	31.3	0.2	0.6	45	14	45	14	26.7	0
				W2/F01	25.4	24.9	0.5	2	35	12	35	12	0	0
				W3/F01	23.7	23.3	0.4	1.7	42	15	42	15	0	0
	R2	Residential	Unknown	W4/F01	34.2	33.7	0.5	1.5	50	15	50	15	0	0
				W5/F01	23.1	22.8	0.3	1.3	42	15	42	15	0	0

3 FRIARSLAND ROAD														
F00	R1	Residential	Unknown	W1/F00	29.7	29.7	0	0	32	4	32	4	0	0
				W2/F00	34.8	34.7	0.1	0.3	54	15	54	15	0	0
				W3/F00	30	29.9	0.1	0.3	56	17	56	17	0	0
F01	R1	Residential	Unknown	W1/F01	23.4	23	0.4	1.7	34	7	33	7	26.9	0
				W2/F01	34.1	33.7	0.4	1.2	51	15	50	15	2	0
				W3/F01	23.1	22.9	0.2	0.9	42	14	41	14	24	0
	R2	Residential	Unknown	W4/F01	25.1	24.8	0.3	1.2	38	14	37	14	26	0
				W5/F01	35.6	35.6	0	0	84	28	84	28	0	0

PROJECT: 17967 - CENTRAL MENTAL HOSPITAL, DU
REPORT TITLE: EXISTING (EX) VS. PROPOSED (PR)
ADDRESS: J DUNDRUM ROAD (SORRENTO)
DATE: 29/04/2025
DRAWING No.: 17967-REL10-IS03-NSL1
SCHEME IR: IR32

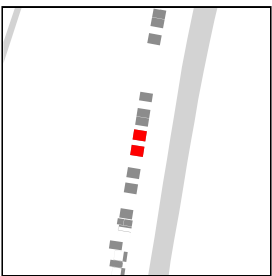
KEY:

GAIN

LOSS

MAINTAINED LIT AREA

1 METRE GRID



FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM AREA-sqm	EX	PR	LOSS-sqm	LOSS %
J DUNDRUM ROAD (SORRENTO)								
F00	R1	RESIDENTIAL	UNKNOWN	14.6	99.1	83.3	2.3	15.9
F00	R3	RESIDENTIAL	UNKNOWN	14.6	99.1	89.6	1.4	9.6

PROJECT: 17967 - CENTRAL MENTAL HOSPITAL, DU
REPORT TITLE: EXISTING (EX) VS. PROPOSED (PR)
ADDRESS: ANNAVILLE RESIDENCE BLOCK 2
DATE: 29/04/2025
DRAWING No.: 17967-REL10-IS03-NSL2
SCHEME IR: IR32

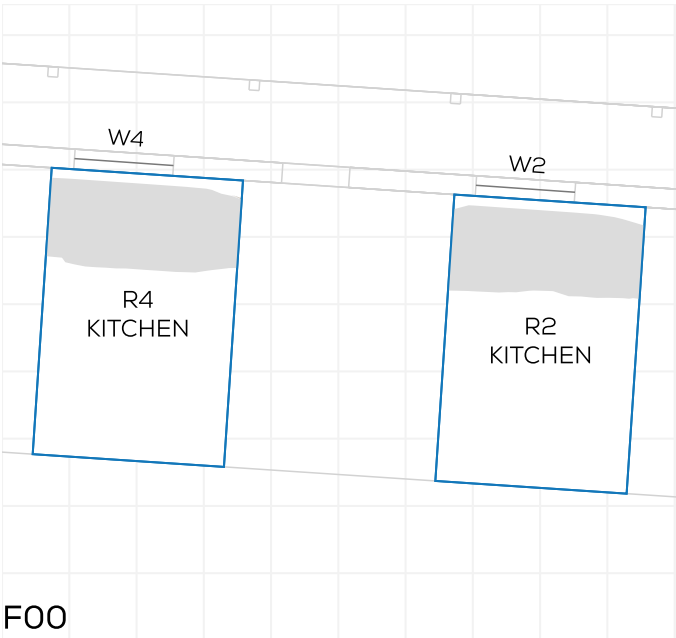
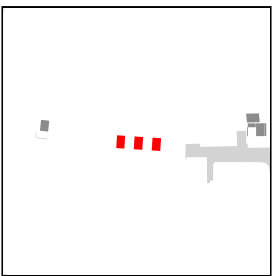
KEY:

GAIN

LOSS

MAINTAINED LIT AREA

1 METRE GRID



FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM AREA-sqm	EX	PR	LOSS-sqm	LOSS %
ANNAVILLE RESIDENCE BLOCK 2								
F00	R2	RESIDENTIAL	KITCHEN	12.2	28.6	28.6	0.0	0
F00	R4	RESIDENTIAL	KITCHEN	12.2	29	29	0.0	0
F00	R6	RESIDENTIAL	KITCHEN	11.5	28.8	28.8	0.0	0.1
F01	R2	RESIDENTIAL	KITCHEN	12.2	96.2	57.8	4.7	39.9
F01	R4	RESIDENTIAL	KITCHEN	12.2	96.2	56.6	4.8	41.2
F01	R6	RESIDENTIAL	KITCHEN	11.5	97.6	59	4.4	39.5

PROJECT: 17967 - CENTRAL MENTAL HOSPITAL, DU
REPORT TITLE: EXISTING (EX) VS. PROPOSED (PR)
ADDRESS: ANNAVILLE RESIDENCE BLOCK 2
DATE: 29/04/2025
DRAWING No.: 17967-REL10-IS03-NSL3
SCHEME IR: IR32

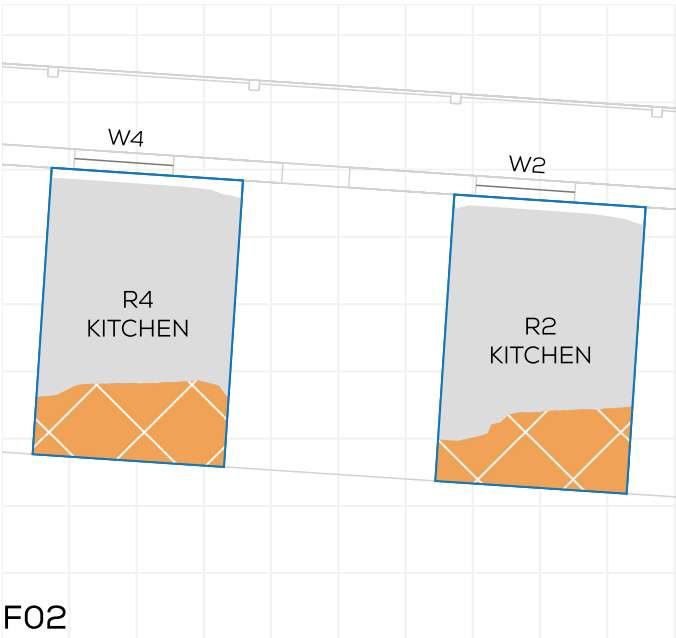
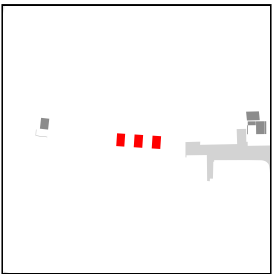
KEY:

GAIN

LOSS

MAINTAINED LIT AREA

1 METRE GRID



FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM AREA-sqm	EX	PR	LOSS-sqm	LOSS %
ANNAVILLE RESIDENCE BLOCK 2								
F02	R2	RESIDENTIAL	KITCHEN	12.2	96.2	72.1	2.9	25
F02	R4	RESIDENTIAL	KITCHEN	12.2	96.2	70	3.2	27.3
F02	R6	RESIDENTIAL	KITCHEN	11.5	97.6	71.7	3.0	26.6
F03	R2	RESIDENTIAL	KITCHEN	12.2	96.3	96.2	0.0	0.1
F03	R4	RESIDENTIAL	KITCHEN	12.2	96.2	95.9	0.0	0.4
F03	R6	RESIDENTIAL	KITCHEN	11.5	97.6	97.2	0.0	0.4

CUMULATIVE

VSC (WINDOW)				APSH (WINDOW)											
FLOOR		ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR.	LOSS	LOSS %	EX		PR.		LOSS %	
										ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
P DUNDRUM ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	32.3	31.5	0.8	2.5%	48	14	48	14	0.0%	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	32.7	31.2	1.5	4.6%	47	14	46	14	2.1%	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32.7	31.4	1.3	4.0%	47	14	46	14	2.1%	0.0%	0.0%
F DUNDRUM ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	26.1	21.3	4.8	18.4%	39	13	30	8	23.1%	38.5%	38.5%
	R3	RESIDENTIAL	UNKNOWN	W6/F00	26.5	22.3	4.2	15.8%	38	12	29	7	23.7%	41.7%	41.7%
	R4	RESIDENTIAL	UNKNOWN	W7/F00	26.7	22.9	3.8	14.2%	39	12	31	7	20.5%	41.7%	41.7%
H DUNDRUM ROAD (LISHEEN)															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	32.4	26.3	6.1	18.8%	52	14	41	10	21.2%	28.6%	28.6%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.4	29	7.4	20.3%	57	17	47	14	17.5%	17.6%	17.6%
G DUNDRUM ROAD (SHANBEG)															
F00	R2	RESIDENTIAL	UNKNOWN	W2/F00	32.7	26.7	6	18.3%	53	15	41	10	22.6%	33.3%	33.3%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.6	29.4	7.2	19.7%	57	17	46	13	19.3%	23.5%	23.5%
I DUNDRUM ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.6	25.2	6.4	20.3%	44	12	35	9	20.5%	25.0%	25.0%
	R3	RESIDENTIAL	UNKNOWN	W5/F00	31.2	25.1	6.1	19.6%	46	14	38	12	17.4%	14.3%	14.3%
	R4	RESIDENTIAL	UNKNOWN	W6/F00	31.5	25.6	5.9	18.7%	47	12	38	9	19.1%	25.0%	25.0%
J DUNDRUM ROAD (SORRENTO)															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	26.6	20.7	5.9	22.2%	37	10	28	7	24.3%	30.0%	30.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F00	26.4	21	5.4	20.5%	37	10	27	7	27.0%	30.0%	30.0%
K DUNDRUM ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	27.6	22.3	5.3	19.2%	39	11	33	10	15.4%	9.1%	9.1%
	R3	RESIDENTIAL	UNKNOWN	W4/F00	28.3	23.3	5	17.7%	41	14	35	13	14.6%	7.1%	7.1%
L DUNDRUM ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33	28.5	4.5	13.6%	45	13	39	12	13.3%	7.7%	7.7%

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)					
					EX. %	PR. %	LOSS	LOSS %	EX. ANNUAL	WINTER	PR. ANNUAL	WINTER	LOSS %	
													ANNUAL	WINTER
			UNKNOWN	W2/F00 / HZ (2)	76.8	75.5	1.3	1.7%	32	2	27	2	15.8%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W8/F00	33.2	29.2	4	12.0%	52	16	46	16	11.5%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.3	34.5	1.8	5.0%	100	100	100	100	100	100
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.2	33.2	2	5.7%	7	0	4	0	42.9%	0.0%
			UNKNOWN	W3/F01	34.5	29	5.5	15.9%	48	15	40	15	16.7%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W4/F01	34.4	29.2	5.2	15.1%	48	15	40	15	16.7%	0.0%
	R4	RESIDENTIAL	UNKNOWN	W5/F01	34.4	29.5	4.9	14.2%	48	15	42	15	12.5%	0.0%
M DUNDRUM ROAD														
	R1	RESIDENTIAL	UNKNOWN	W2/F00	31.8	28.8	3	9.4%	45	13	42	13	6.7%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W7/F00	31.7	29.2	2.5	7.9%	45	13	42	13	6.7%	0.0%
	R4	RESIDENTIAL	UNKNOWN	W1/F00	22.4	19.4	3	13.4%	27	2	23	2	14.8%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	29.5	28	1.5	5.1%	100	100	100	100	100	100
	R2	RESIDENTIAL	UNKNOWN	W2/F01	37.8	34.3	3.5	9.3%	53	15	48	15	9.4%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	32.3	32.3	0	0.0%	82	23	82	23	0.0%	0.0%
N DUNDRUM ROAD														
	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.5	29.5	2	6.3%	48	14	47	14	2.1%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W6/F00	33.2	31.5	1.7	5.1%	49	14	49	14	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	35.7	33.3	2.4	6.7%	48	14	47	14	2.1%	0.0%
O DUNDRUM ROAD														
	R2	RESIDENTIAL	UNKNOWN	W8/F00	32.3	31.3	1	3.1%	48	14	48	14	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33	31.2	1.8	5.5%	46	13	45	13	2.2%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32.8	31.2	1.6	4.9%	46	13	45	13	2.2%	0.0%
O DUNDRUM ROAD (HILLBROOK)														
	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.9	31.3	0.6	1.9%	44	12	44	12	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W6/F00	32.7	32.2	0.5	1.5%	48	13	48	13	0.0%	0.0%
O DUNDRUM ROAD (HILLBROOK) (CONTINUED)														
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	29.4	28.3	1.1	3.7%	40	11	39	11	2.5%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.8	32.8	1	3.0%	47	13	46	13	2.1%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	33.7	32.8	0.9	2.7%	47	13	46	13	2.1%	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR			ROOM	PROPERTY TYPE		ROOM USE	WINDOW	EX. %		VSC (WINDOW)			APSH (WINDOW)						
										PR.	LOSS	LOSS %	EX.		PR.		LOSS %		
										%		%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
R DUNDRUM ROAD																			
F00	R1		RESIDENTIAL		UNKNOWN		W1/F00	32.7		32.3	0.4	12%	47	13	47	13	0.0%	0.0%	
	R3		RESIDENTIAL		UNKNOWN		W6/F00	31.7		31.3	0.4	13%	45	10	45	10	0.0%	0.0%	
	F01	R1		RESIDENTIAL		UNKNOWN		W1/F01	33.6		32.8	0.8	2.4%	48	14	47	14	2.1%	0.0%
	R2		RESIDENTIAL		UNKNOWN		W2/F01	33.6		32.8	0.8	2.4%	47	13	46	13	2.1%	0.0%	
	R3		RESIDENTIAL		UNKNOWN		W3/F01	28.8		28.1	0.7	2.4%	43	14	42	14	2.3%	0.0%	
3 DUNDRUM ROAD																			
F00	R1		RESIDENTIAL		UNKNOWN		W1/F00	21.9		21.9	0	0.0%	33	6	33	6	0.0%	0.0%	
1-2 DUNDRUM ROAD																			
F01	R1		RESIDENTIAL		UNKNOWN		W1/F01	37.2		36.3	0.9	2.4%	58	18	58	18	0.0%	0.0%	
	R2		RESIDENTIAL		UNKNOWN		W2/F01	37.2		36.3	0.9	2.4%	57	17	57	17	0.0%	0.0%	
	R3		RESIDENTIAL		UNKNOWN		W3/F01	37.1		36.4	0.7	1.9%	57	17	57	17	0.0%	0.0%	
ANNAVILLE RESIDENCE BLOCK 2																			
F00	R2		RESIDENTIAL		UNKNOWN		W2/F00	6.4		6.4	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
	R4		RESIDENTIAL		UNKNOWN		W4/F00	6.5		6.5	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
	R6		RESIDENTIAL		UNKNOWN		W6/F00	7.9		7.9	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R2		RESIDENTIAL		UNKNOWN		W2/F01	15.3		10.7	4.6	30.1%	N/A	N/A	N/A	N/A	N/A	N/A	
	R4		RESIDENTIAL		UNKNOWN		W4/F01	16.3		11.3	5	30.7%	N/A	N/A	N/A	N/A	N/A	N/A	
	R6		RESIDENTIAL		UNKNOWN		W6/F01	18.4		13	5.4	29.3%	N/A	N/A	N/A	N/A	N/A	N/A	
F02	R2		RESIDENTIAL		UNKNOWN		W2/F02	16.5		12.2	4.3	26.1%	N/A	N/A	N/A	N/A	N/A	N/A	
	R4		RESIDENTIAL		UNKNOWN		W4/F02	22.1		17.7	4.4	19.90%	N/A	N/A	N/A	N/A	N/A	N/A	
	R6		RESIDENTIAL		UNKNOWN		W6/F02	23.6		19.5	4.1	17.40%	N/A	N/A	N/A	N/A	N/A	N/A	
F03	R2		RESIDENTIAL		UNKNOWN		W2/F03	16.5		13.5	3	18.2%	N/A	N/A	N/A	N/A	N/A	N/A	
ANNAVILLE RESIDENCE BLOCK 2 (CONTINUED)																			
	R4		RESIDENTIAL		UNKNOWN		W4/F03	17.1		14.1	3	17.5%	N/A	N/A	N/A	N/A	N/A	N/A	
	R6		RESIDENTIAL		UNKNOWN		W6/F03	18.7		15.9	2.8	15.0%	N/A	N/A	N/A	N/A	N/A	N/A	
1 DUNDRUM ROAD																			
F00	R3		RESIDENTIAL		UNKNOWN		W8/F00	26.7		26.7	0	0.0%	44	12	44	12	0.0%	0.0%	
					UNKNOWN		W9/F00	29.1		29.1	0	0.0%	44	12	44	12	0.0%	0.0%	
					UNKNOWN		W10/F00	26.5		26.5	0	0.0%	43	11	43	11	0.0%	0.0%	

(1) KITCHEN SMALLER THAN 13m2

(2) INC/CLVZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)			
					EX. %	PR. %	LOSS	LOSS %	EX. ANNUAL	PR. ANNUAL	WINTER	LOSS % ANNUAL
			UNKNOWN	W1/F00 / INC (2)	63	571	5.9	9.4%				
	R4	RESIDENTIAL	UNKNOWN	W12/F00	30.4	30.4	0	0.0%	43	11	43	0.0%
	R5	RESIDENTIAL	UNKNOWN	W13/F00	29.6	29.4	0.2	0.7%	36	7	36	0.0%
			UNKNOWN	W14/F00	26.1	26	0.1	0.4%	25	1	25	0.0%
			UNKNOWN	W15/F00	24.2	23.8	0.4	1.7%	20	0	20	0.0%
F01	R2	RESIDENTIAL	UNKNOWN	W3/F01	33.7	32.2	1.5	4.5%	45	13	44	2.2%
	R3	RESIDENTIAL	UNKNOWN	W4/F01	33.4	32.1	1.3	3.9%	45	14	44	2.2%
	R4	RESIDENTIAL	UNKNOWN	W5/F01	33.4	32.1	1.3	3.9%	46	14	45	2.2%

4 ANNNAVILLE TERRACE												
	R1	RESIDENTIAL	UNKNOWN	W1/F00	21.4	21.4	0	0.0%	N/A	N/A	N/A	N/A
			UNKNOWN	W2/F00	19.8	19.8	0	0.0%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W3/F00	19.8	19.8	0	0.0%	10	0	10	0.0%
			UNKNOWN	W4/F00	17.9	17.9	0	0.0%	20	2	20	0.0%
			UNKNOWN	W5/F00	16.2	16.2	0	0.0%	19	1	19	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.6	30.6	6	16.4%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	36.6	30.7	5.9	16.1%	N/A	N/A	N/A	N/A

5 ANNNAVILLE TERRACE												
	R1	RESIDENTIAL	UNKNOWN	W1/F00	16.6	16.6	0	0.0%	23	0	23	0.0%
			UNKNOWN	W2/F00	15.9	15.9	0	0.0%	27	4	27	0.0%
	R2	RESIDENTIAL	UNKNOWN	W3/F00	12.7	12.7	0	0.0%	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W4/F00	18.1	18.1	0	0.0%	N/A	N/A	N/A	N/A
5 ANNNAVILLE TERRACE (CONTINUED)												
	R4	RESIDENTIAL	UNKNOWN	W5/F00	18	18	0	0.0%	28	9	28	0.0%
			UNKNOWN	W6/F00	21.7	21.7	0	0.0%	30	8	30	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01 / INC (2)	87.5	83.2	4.3	4.9%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01 / INC (2)	87.3	82.9	4.4	5.0%	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F01 / INC (2)	84.9	80.4	4.5	5.3%	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W4/F01	38.9	32.2	6.7	17.2%	N/A	N/A	N/A	N/A

16 ANNNAVILLE GROVE												
	R1	RESIDENTIAL	UNKNOWN	W1/F00	19.8	19.8	0	0.0%	2	0	2	0.0%
			UNKNOWN	W2/F00 / HZ (2)	63.9	63.5	0.4	0.6%	19	1	19	0.0%

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

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)			
					EX. %	PR. %	LOSS	LOSS %	EX.	PR.		LOSS %
										ANNUAL	WINTER	
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33.9	30.7	3.2	9.4%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.6	30.6	3	8.9%	N/A	N/A	N/A	N/A

14 ANNNAVILLE GROVE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	32	29.4	2.6	8.1%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	24.9	22.3	2.6	10.4%	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F00	29	26.6	2.4	8.3%	N/A	N/A	N/A	N/A
			UNKNOWN	W4/F00	23.9	22.1	1.8	7.5%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33	29.5	3.5	10.6%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	34.2	30.7	3.5	10.2%	N/A	N/A	N/A	N/A

12 ANNNAVILLE GROVE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	35.6	33.1	2.5	7.0%	12	0	12	0.0%
			UNKNOWN	W4/F00 / HZ (2)	81.2	80.6	0.6	0.7%	40	0	40	0.0%
R2		RESIDENTIAL	UNKNOWN	W2/F00	32.4	30.6	1.8	5.6%	4	0	4	0.0%
			UNKNOWN	W3/F00	29.9	28.2	1.7	5.7%	4	0	4	0.0%
			UNKNOWN	W5/F00 / HZ (2)	81.1	80.6	0.5	0.6%	40	0	40	0.0%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.5	31	3.5	10.1%	N/A	N/A	N/A	N/A
R2		RESIDENTIAL	UNKNOWN	W2/F01	34.4	30.9	3.5	10.2%	N/A	N/A	N/A	N/A

10 ANNNAVILLE GROVE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	35.4	33.2	2.2	6.2%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	33.8	31.8	2	5.9%	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F00	33.4	31.4	2	6.0%	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W4/F00	31.6	29.5	2.1	6.6%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.6	31.5	3.1	9.0%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	34.6	31.3	3.3	9.5%	N/A	N/A	N/A	N/A
R3		RESIDENTIAL	UNKNOWN	W3/F01	34.6	31.1	3.5	10.1%	N/A	N/A	N/A	N/A

2 ANNNAVILLE GROVE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.4	33	0.4	1.2%	79	25	79	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	19.7	19.7	0	0.0%	41	13	41	0.0%
			UNKNOWN	W3/F00	34.2	33.7	0.5	1.5%	80	23	78	2.5%
			UNKNOWN	W4/F00	28.6	27.8	0.8	2.8%	44	11	33	6.0%

(1) KITCHEN SMALLER THAN 13m2
(2) INC.VHZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR		ROOM	VSC (WINDOW)							APSH (WINDOW)						
		PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %			EX.		PR.		LOSS %	
											ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F01		R3	RESIDENTIAL	UNKNOWN	W5/F00	23.2	23.1	0.1	0.4%		N/A	N/A	N/A	N/A	N/A	N/A
		R4	RESIDENTIAL	UNKNOWN	W6/F00	29.8	28.8	1	3.4%		0	0	0	0	0.0%	0.0%
				UNKNOWN	W7/F00	29.4	29.1	0.3	1.0%		4	0	4	0	0.0%	0.0%
				UNKNOWN	W8/F00	16.6	16.4	0.2	1.2%		7	0	7	0	0.0%	0.0%
		R5	RESIDENTIAL	UNKNOWN	W9/F00	26.8	26.7	0.1	0.4%		N/A	N/A	N/A	N/A	N/A	N/A
		R1	RESIDENTIAL	UNKNOWN	W1/F01	33.4	32.2	1.2	3.6%		79	30	77	28	25%	6.7%
		R2	RESIDENTIAL	UNKNOWN	W2/F01	33.1	31.8	1.3	3.9%		79	30	77	28	25%	6.7%
		R3	RESIDENTIAL	UNKNOWN	W3/F01	34.5	32	2.5	7.2%		N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F01	34.5	32.2	2.3	6.7%		N/A	N/A	N/A	N/A	N/A	N/A	N/A

8 ANNANVILLE GROVE													
				R1	RESIDENTIAL	W1/F00	26.7	26.7	0	0.0%	59	21	0.0%
				R2	RESIDENTIAL	W2/F00	20.4	20.4	0	0.0%	40	13	0.0%
						W3/F00	33	32.5	0.5	1.5%	82	25	1.2%
						W4/F00	21.1	19.5	1.6	7.6%	56	18	2.1%
				R3	RESIDENTIAL	W5/F00	26.8	26.2	0.6	2.2%	62	21	3.2%
				R4	RESIDENTIAL	W6/F00	35.1	33.5	1.6	4.6%	N/A	N/A	N/A
8 ANNANVILLE GROVE (CONTINUED)													
				R5	RESIDENTIAL	W7/F00	33.8	32.7	1.1	3.3%	N/A	N/A	N/A
						W8/F00	35.7	33.9	1.8	5.0%	N/A	N/A	N/A
				R6	RESIDENTIAL	W9/F00	32.8	31.8	1	3.0%	N/A	N/A	N/A
F01				R1	RESIDENTIAL	W1/F01	32.2	31.7	0.5	1.6%	77	28	0.0%
				R2	RESIDENTIAL	W2/F01	32.2	31.7	0.5	1.6%	77	28	0.0%
				R3	RESIDENTIAL	W3/F01	32.7	32.1	0.6	1.8%	79	30	2.5%
				R4	RESIDENTIAL	W4/F01	35.9	33.3	2.6	7.2%	N/A	N/A	N/A
				R5	RESIDENTIAL	W5/F01	34.6	31.9	2.7	7.8%	N/A	N/A	N/A
				R6	RESIDENTIAL	W6/F01	34.6	31.8	2.8	8.1%	N/A	N/A	N/A

6 ANNANVILLE GROVE													
				R1	RESIDENTIAL	W1/F00	33.7	33	0.7	2.1%	83	26	81
				R2	RESIDENTIAL	W2/F00	33.5	32.8	0.7	2.1%	84	27	82
				R3	RESIDENTIAL	W3/F00	35.3	33.8	1.5	4.2%	12	0	12
						W4/F00	19.4	18.9	0.5	2.6%	7	0	7
				R4	RESIDENTIAL	W5/F00	26.9	26.1	0.8	3.0%	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ - SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)					
					EX %	PR %	LOSS	LOSS %	EX		PR		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	32.8	32	0.8	2.4%	78	29	76	27	2.6%	6.9%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32.8	32	0.8	2.4%	78	29	76	27	2.6%	6.9%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	34.6	32.2	2.4	6.9%	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F01	34.6	32.1	2.5	7.2%	N/A	N/A	N/A	N/A	N/A	N/A

4 ANNANVILLE GROVE													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.6	32.9	0.7	2.1%	84	27	82	2.4%	7.4%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.2	33.4	0.8	2.3%	84	27	82	2.4%	7.4%
	R3	RESIDENTIAL	UNKNOWN	W3/F00	31.1	30	1.1	3.5%	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F00	32.7	31.7	1	3.1%	N/A	N/A	N/A	N/A	N/A
F01			UNKNOWN	W5/F00	28.5	27.8	0.7	2.5%	N/A	N/A	N/A	N/A	N/A
	R1	RESIDENTIAL	UNKNOWN	W1/F01	33	32	1	3.0%	78	29	76	2.6%	6.8%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.1	32	1.1	3.3%	79	30	77	2.5%	6.7%
	R3	RESIDENTIAL	UNKNOWN	W4/F01	34.5	32.2	2.3	6.7%	N/A	N/A	N/A	N/A	N/A
4 ANNANVILLE GROVE (CONTINUED)													
	R4	RESIDENTIAL	UNKNOWN	W3/F01	34.5	32.2	2.3	6.7%	N/A	N/A	N/A	N/A	N/A

5 ANNANVILLE GROVE													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.5	33.4	0.1	0.3%	80	24	80	0.0%	0.0%
			UNKNOWN	W2/F00	36.5	36	0.5	1.4%	87	30	86	1.1%	3.3%
			UNKNOWN	W3/F00 / HZ (2)	60.3	60.1	0.2	0.3%	89	30	88	1.1%	3.3%
	R2	RESIDENTIAL	UNKNOWN	W4/F00	33.7	33.2	0.5	1.5%	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W5/F00	34.2	33.7	0.5	1.5%	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W6/F00	33.5	33	0.5	1.5%	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W7/F00	34.2	33.7	0.5	1.5%	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	35	34.4	0.6	1.7%	80	30	80	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35	34.4	0.6	1.7%	80	30	80	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	33.5	32.9	0.6	1.8%	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F01	36.3	35.6	0.7	1.9%	N/A	N/A	N/A	N/A	N/A

3 ANNANVILLE GROVE													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	32.9	32.4	0.5	1.5%	71	25	70	1.4%	4.0%
			UNKNOWN	W2/F00	34.9	34.9	0	0.0%	82	26	82	0.0%	0.0%
			UNKNOWN	W3/F00 / INC (2)	76	75.6	0.4	0.5%	86	25	84	2.3%	4.0%

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

		VSC (WINDOW)					APSH (WINDOW)							
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			UNKNOWN	W4/F00 / INC (2)	77.7	77.3	0.4	0.5%	90	28	88	27	2.2%	3.6%
			UNKNOWN	W5/F00 / INC (2)	78.1	77.6	0.5	0.6%	90	28	88	27	2.2%	3.6%
			UNKNOWN	W6/F00 / INC (2)	78.1	77.6	0.5	0.6%	92	30	90	29	2.2%	3.3%
			UNKNOWN	W9/F00	35.5	35	0.5	1.4%	80	27	79	26	1.3%	3.7%
	R2	RESIDENTIAL	UNKNOWN	W7/F00	34.6	33.8	0.8	2.3%	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W8/F00	33.8	33.2	0.6	1.8%	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	35.1	34.4	0.7	2.0%	80	30	80	30	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.1	34.3	0.8	2.3%	80	30	80	30	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	36.6	35.8	0.8	2.2%	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F01	33.6	33	0.6	1.8%	N/A	N/A	N/A	N/A	N/A	N/A

7 ANNANVILLE GROVE														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	35.6	35.6	0	0.0%	84	27	84	27	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	28.7	28.7	0	0.0%	65	21	65	21	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F00	34.1	33.6	0.5	1.5%	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F00	33.5	33.1	0.4	1.2%	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.7	34.3	0.4	1.2%	80	30	80	30	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35	34.5	0.5	1.4%	80	30	80	30	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	36.2	35.5	0.7	1.9%	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F01	33.2	32.5	0.7	2.1%	N/A	N/A	N/A	N/A	N/A	N/A

1 ANNANVILLE GROVE														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	4.7	4.1	0.6	12.8%	13	3	11	1	15.4%	66.7%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.2	33.6	0.6	1.8%	78	25	77	24	1.3%	4.0%
			UNKNOWN	W3/F00	36.4	35.6	0.8	2.2%	86	29	84	27	2.3%	6.9%
	R3	RESIDENTIAL	UNKNOWN	W4/F00	34.3	33.6	0.7	2.0%						
F01	R4	RESIDENTIAL	UNKNOWN	W5/F00	34.9	34	0.9	2.5%	N/A	N/A	N/A	N/A	N/A	N/A
	R1	RESIDENTIAL	UNKNOWN	W1/F01	35.2	34.3	0.9	2.5%	80	30	79	29	1.3%	3.3%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35	34	1	2.9%	81	30	80	29	1.2%	3.3%
	R3	RESIDENTIAL	UNKNOWN	W4/F01	36.9	36	0.9	2.4%						
	R4	RESIDENTIAL	UNKNOWN	W3/F01	34.1	33	1.1	3.2%	N/A	N/A	N/A	N/A	N/A	N/A

24 ANNANVILLE PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	27.6	27.6	0	0.0%	66	25	66	25	0.0%	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)			APSH (WINDOW)												
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. ANNUAL	WINTER	PR. ANNUAL	WINTER	EX. ANNUAL	WINTER	LOSS %
			UNKNOWN	W2/F00	34	33.6	0.4	12%	86	27	83	26	35%	37%	
			UNKNOWN	W3/F00	27.8	26.9	0.9	3.2%	60	20	60	20	0.0%	0.0%	
R2		RESIDENTIAL	UNKNOWN	W4/F00	26.5	26.2	0.3	11%	70	27	69	27	1.4%	0.0%	
R3		RESIDENTIAL	UNKNOWN	W5/F00	33.8	33.6	0.2	0.6%	82	27	81	27	1.2%	0.0%	
			UNKNOWN	W8/F00 / INC (2)	77.4	75.8	1.6	21%	57	16	55	14	2.8%	12.5%	
R4		RESIDENTIAL	UNKNOWN	W6/F00	35.2	34.3	0.9	2.6%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W7/F00 / INC (2)	88.3	87.4	0.9	1.0%	N/A	N/A	N/A	N/A	N/A	N/A	
R5		RESIDENTIAL	UNKNOWN	W9/F00 / INC (2)	77.5	75.9	1.6	21%	N/A	N/A	N/A	N/A	N/A	N/A	
24 ANNAPVILLE PARK (CONTINUED)															
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	28.9	28.8	0.1	0.3%	66	26	66	26	0.0%	0.0%	
			UNKNOWN	W2/F01	36.9	35.9	1	2.7%	88	29	85	27	3.4%	6.9%	
			UNKNOWN	W3/F01	30.3	28.3	2	6.6%	63	23	61	21	3.2%	8.7%	
R2		RESIDENTIAL	UNKNOWN	W4/F01	29.1	29	0.1	0.3%	66	26	66	26	0.0%	0.0%	
			UNKNOWN	W5/F01	37.1	36	1.1	3.0%	89	30	86	28	3.4%	6.7%	
			UNKNOWN	W6/F01	31.9	29	2.9	9.1%	67	23	64	21	4.5%	8.7%	
			UNKNOWN	W9/F01	32.9	27.1	5.8	17.6%	N/A	N/A	N/A	N/A	N/A	N/A	
R3		RESIDENTIAL	UNKNOWN	W7/F01	33.5	31.8	1.7	5.1%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W10/F01	32.9	27.1	5.8	17.6%	N/A	N/A	N/A	N/A	N/A	N/A	
R4		RESIDENTIAL	UNKNOWN	W8/F01	33.4	31.9	1.5	4.5%	N/A	N/A	N/A	N/A	N/A	N/A	
23 ANNAPVILLE PARK															
F00	R1	RESIDENTIAL	UNKNOWN	W4/F00	25.9	25.5	0.4	1.5%	65	25	63	23	3.1%	8.0%	
R2		RESIDENTIAL	UNKNOWN	W5/F00	26.7	26.7	0	0.0%	61	22	61	22	0.0%	0.0%	
			UNKNOWN	W6/F00	33.9	33.4	0.5	1.5%	84	26	82	25	2.4%	3.8%	
			UNKNOWN	W7/F00	28.2	27.2	1	3.5%	62	22	61	21	1.6%	4.5%	
R3		RESIDENTIAL	UNKNOWN	W1/F00	17.5	17.5	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
R4		RESIDENTIAL	UNKNOWN	W2/F00	35.5	34.5	1	2.8%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W3/F00	32.3	31.3	1	3.1%	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	RESIDENTIAL	UNKNOWN	W3/F01	27.8	27.8	0	0.0%	66	25	66	25	0.0%	0.0%	
			UNKNOWN	W4/F01	36.4	35.6	0.8	2.2%	86	28	84	27	2.3%	3.6%	
			UNKNOWN	W5/F01	29.9	28.3	1.6	5.4%	63	23	61	21	3.2%	8.7%	
R2		RESIDENTIAL	UNKNOWN	W6/F01	28.4	28.4	0	0.0%	66	26	66	26	0.0%	0.0%	
			UNKNOWN	W7/F01	36.7	35.8	0.9	2.5%	89	30	86	28	3.4%	6.7%	
			UNKNOWN	W8/F01	30.2	28.3	1.9	6.3%	63	23	61	21	3.2%	8.7%	

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)			
					EX. %	PR. %	LOSS	LOSS %	EX.	PR.		LOSS %
										ANNUAL	WINTER	
	R3	RESIDENTIAL	UNKNOWN	W1/F01	33.3	32	1.3	3.9%	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W2/F01	33.3	32	1.3	3.9%	N/A	N/A	N/A	N/A
32 SOMMERSVILLE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	30.2	29.4	0.8	2.6%	N/A	N/A	N/A	N/A
32 SOMMERSVILLE (CONTINUED)												
	R2	RESIDENTIAL	UNKNOWN	W2/F00	29.7	29.1	0.6	2.0%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33.6	32	1.6	4.8%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.3	32.2	1.1	3.3%	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F01	26.7	26.3	0.4	1.5%	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F01	33.7	32.4	1.3	3.9%	N/A	N/A	N/A	N/A
32A SOMMERSVILLE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	30.7	30	0.7	2.3%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34	32.6	1.4	4.1%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	34.1	32.6	1.5	4.4%	N/A	N/A	N/A	N/A
33 SOMMERSVILLE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.3	30.5	0.8	2.6%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.1	32.5	1.6	4.7%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	34.1	32.4	1.7	5.0%	N/A	N/A	N/A	N/A
34 SOMMERSVILLE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	30.9	30	0.9	2.9%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33.9	32.2	1.7	5.0%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.7	31.9	1.8	5.3%	N/A	N/A	N/A	N/A
35 SOMMERSVILLE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	29	28.3	0.7	2.4%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33.5	31.8	1.7	5.1%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33	31.3	1.7	5.2%	N/A	N/A	N/A	N/A
36 SOMMERSVILLE												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	26.8	26.5	0.3	1.1%	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC/CLZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)					APSH (WINDOW)									
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. ANNUAL	EX. WINTER	PR. ANNUAL	PR. WINTER	LOSS ANNUAL	LOSS WINTER
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	32.3	31	1.3	4.0%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32	31	1	3.1%	N/A	N/A	N/A	N/A	N/A	N/A
37 SOMMERVILLE														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	26.5	26.5	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A
	R1	RESIDENTIAL	UNKNOWN	W1/F01	31.9	31.2	0.7	2.2%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32.2	31.7	0.5	1.6%	N/A	N/A	N/A	N/A	N/A	N/A
37A SOMMERVILLE														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	29.2	29.2	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	32.2	32.1	0.1	0.3%	N/A	N/A	N/A	N/A	N/A	N/A
	R1	RESIDENTIAL	UNKNOWN	W1/F01	32.7	32.4	0.3	0.9%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.1	32.9	0.2	0.6%	N/A	N/A	N/A	N/A	N/A	N/A
R3	R3	RESIDENTIAL	UNKNOWN	W3/F01	33.2	33.1	0.1	0.3%	N/A	N/A	N/A	N/A	N/A	N/A
		RESIDENTIAL	UNKNOWN	W4/F01	33.4	33.2	0.2	0.6%	N/A	N/A	N/A	N/A	N/A	N/A
2-3 ANNANVILLE LODGE														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	32.4	32.3	0.1	0.3%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W2/F00	33.8	33.6	0.2	0.6%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F00	23.7	23.7	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W4/F00	23.4	23.4	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W5/F00	23	23	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A
R3	RESIDENTIAL	UNKNOWN	UNKNOWN	W6/F00	24.9	24.9	0	0.0%	55	15	55	15	0.0%	0.0%
R4	R4	RESIDENTIAL	UNKNOWN	W7/F00	18.3	18.3	0	0.0%	33	8	33	8	0.0%	0.0%
			UNKNOWN	W8/F00 / HZ (2)	78.9	78.9	0	0.0%	94	28	94	28	0.0%	0.0%
			UNKNOWN	W9/F00	20.5	20.5	0	0.0%	46	10	46	10	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.4	32.7	1.7	4.9%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W2/F01	13.8	10.8	3	21.7%	N/A	N/A	N/A	N/A	N/A	N/A
R2	RESIDENTIAL	UNKNOWN	UNKNOWN	W3/F01	10.1	8.1	2	19.8%	N/A	N/A	N/A	N/A	N/A	N/A
R3	RESIDENTIAL	UNKNOWN	UNKNOWN	W4/F01	33.5	33.5	0	0.0%	80	28	80	28	0.0%	0.0%
R4	RESIDENTIAL	UNKNOWN	UNKNOWN	W5/F01	33.3	33.3	0	0.0%	78	28	78	28	0.0%	0.0%
R5	R5	RESIDENTIAL	UNKNOWN	W6/F01	33.1	33.1	0	0.0%	78	28	78	28	0.0%	0.0%
		RESIDENTIAL	UNKNOWN	W7/F01	33	33	0	0.0%	78	28	78	28	0.0%	0.0%
2-3 ANNANVILLE LODGE (CONTINUED)														

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

VSC (WINDOW)				APSH (WINDOW)											
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX		PR.		LOSS %		
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
F02			UNKNOWN	W8/F01	35.3	35.3	0	0.0%	51	16	51	16	0.0%	0.0%	
	R1	RESIDENTIAL	UNKNOWN	W1/F02	39	37	2	5.1%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F02 / INC (2)	84.7	84.7	0	0.0%	90	28	90	28	0.0%	0.0%	
			UNKNOWN	W3/F02 / INC (2)	83	83	0	0.0%	87	28	87	28	0.0%	0.0%	
	R3	RESIDENTIAL	UNKNOWN	W4/F02 / INC (2)	83.2	83.2	0	0.0%	85	30	85	30	0.0%	0.0%	
			UNKNOWN	W5/F02 / INC (2)	85.9	85.9	0	0.0%	93	30	93	30	0.0%	0.0%	
1 ANNAPVILLE LODGE															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	32.8	32.8	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W2/F00	33	32.9	0.1	0.3%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W3/F00	25.9	25.9	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN	W4/F00	30.4	30.4	0	0.0%	73	20	73	20	0.0%	0.0%	
			UNKNOWN	W5/F00	31	31	0	0.0%	74	19	74	19	0.0%	0.0%	
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36	34.4	1.6	4.4%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W2/F01	36.1	34.4	1.7	4.7%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W3/F01	37.1	32.4	4.7	12.7%	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN	W4/F01	34.1	33.8	0.3	0.9%	82	26	81	26	1.2%	0.9%	
			UNKNOWN	W5/F01	33.9	33.6	0.3	0.9%	80	26	79	26	1.3%	0.9%	
25A ANNAPVILLE PARK															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.2	33.1	1.1	3.2%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F00	13.5	13.5	0	0.0%	3	0	3	0	0.0%	0.0%	
			UNKNOWN	W3/F00	36	34.7	1.3	3.6%	10	0	10	0	0.0%	0.0%	
			UNKNOWN	W4/F00	34.3	33.6	0.7	2.0%	9	0	9	0	0.0%	0.0%	
			UNKNOWN	W5/F00	34.8	34	0.8	2.3%	10	0	10	0	0.0%	0.0%	
			UNKNOWN	W6/F00	34	33.6	0.4	1.2%	8	0	8	0	0.0%	0.0%	
			UNKNOWN	W7/F00	34.8	34	0.8	2.3%	9	0	9	0	0.0%	0.0%	
			UNKNOWN	W8/F00	34.4	34	0.4	1.2%	9	0	9	0	0.0%	0.0%	
			UNKNOWN	W9/F00	34.1	33.8	0.3	0.9%	8	0	8	0	0.0%	0.0%	
	R3	RESIDENTIAL	UNKNOWN	W10/F00	14	14	0	0.0%	26	8	26	8	0.0%	0.0%	
25A ANNAPVILLE PARK (CONTINUED)															
	R4	RESIDENTIAL	UNKNOWN	W11/F00	18.9	18.9	0	0.0%	36	10	36	10	0.0%	0.0%	
			UNKNOWN	W12/F00	34.7	34.7	0	0.0%	82	27	82	27	0.0%	0.0%	
	R5	RESIDENTIAL	UNKNOWN	W13/F00	34.1	34.1	0	0.0%	81	25	81	25	0.0%	0.0%	

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR		ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)			APSH (WINDOW)							
						EX. %	PR. %	LOSS	LOSS %	EX		PR		LOSS %		
										ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
F01	R1	RESIDENTIAL	UNKNOWN	UNKNOWN	W1/F01	36.2	34.6	1.6	4.4%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	UNKNOWN	W2/F01	31.4	31.4	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	UNKNOWN	W3/F01	39.1	33.9	5.2	13.3%	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN	UNKNOWN	W4/F01	38.6	33.4	5.2	13.5%	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	UNKNOWN	UNKNOWN	W5/F01 / INC (2)	80.9	79.2	1.7	2.1%	78	25	75	20	260	110	
			UNKNOWN	UNKNOWN	W6/F01	37	36.2	0.8	2.2%	84	30	82	28	24%	6.7%	
R5	RESIDENTIAL	UNKNOWN	UNKNOWN	UNKNOWN	W7/F01	36.9	36.1	0.8	2.2%	83	30	82	29	12%	3.3%	
8 MULVEY PARK																
F00	R1	RESIDENTIAL	UNKNOWN	UNKNOWN	W1/F00 / INC (2)	77.8	77.8	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	UNKNOWN	W2/F00	32.9	31.9	1	3.0%	68	23	66	21	2.9%	8.7%	
			UNKNOWN	UNKNOWN	W3/F00	33.3	32.2	1.1	3.3%	69	23	67	21	2.9%	8.7%	
			UNKNOWN	UNKNOWN	W4/F00	30.9	30.4	0.5	1.6%	67	22	65	20	3.0%	9.1%	
			UNKNOWN	UNKNOWN	W5/F00	29.5	28.9	0.6	2.0%	66	22	64	20	3.0%	9.1%	
R3	RESIDENTIAL	UNKNOWN	UNKNOWN	UNKNOWN	W6/F00	28.4	27.8	0.6	2.1%	61	23	59	21	3.3%	8.7%	
F01	R1	RESIDENTIAL	UNKNOWN	UNKNOWN	W1/F01	30.1	29.5	0.6	2.0%	53	13	52	12	1.9%	7.7%	
R2	RESIDENTIAL	UNKNOWN	UNKNOWN	UNKNOWN	W2/F01 / INC (2)	77	76.9	0.1	0.1%	51	13	50	12	1.9%	7.7%	
			UNKNOWN	UNKNOWN	W5/F01	31	29.8	1.2	3.9%	59	23	58	22	1.7%	4.3%	
			UNKNOWN	UNKNOWN	W6/F01	30.3	29.2	1.1	3.6%	59	23	58	22	1.7%	4.3%	
R3	RESIDENTIAL	UNKNOWN	UNKNOWN	UNKNOWN	W3/F01 / INC (2)	81.1	79.8	1.3	1.6%	88	27	86	25	2.3%	7.4%	
			UNKNOWN	UNKNOWN	W4/F01	36.6	34.3	2.3	6.3%	67	25	65	23	3.0%	8.0%	
7 MULVEY PARK																
F00	R1	RESIDENTIAL	UNKNOWN	UNKNOWN	W1/F00 / INC (2)	81.8	81.8	0	0.0%	76	16	75	16	0.0%	0.0%	
			UNKNOWN	UNKNOWN	W2/F00 / INC (2)	79.9	79.3	0.6	0.8%	75	18	74	17	1.3%	5.6%	
	R2	RESIDENTIAL	UNKNOWN	UNKNOWN	W3/F00 / INC (2)	87.9	87.7	0.2	0.2%	82	21	80	19	1.4%	5.5%	
			UNKNOWN	UNKNOWN	W4/F00 / INC (2)	75.3	74.7	0.6	0.8%	73	20	72	19	1.4%	5.0%	
	7 MULVEY PARK (CONTINUED)															
			UNKNOWN	UNKNOWN	W5/F00	31.2	30.1	1.1	3.5%	65	23	63	21	3.1%	8.7%	
F01	R1	RESIDENTIAL	UNKNOWN	UNKNOWN	W1/F01	34.7	32.9	1.8	5.2%	64	24	64	24	0.0%	0.0%	
R2	RESIDENTIAL	UNKNOWN	UNKNOWN	UNKNOWN	W2/F01	33.6	32.1	1.5	4.5%	61	21	60	20	1.6%	4.8%	
2 MULVEY PARK																
F00	R1	RESIDENTIAL	UNKNOWN	UNKNOWN	W2/F00	29	27.7	1.3	4.5%	64	20	64	20	0.0%	0.0%	

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)			
					EX.	PR.	LOSS	LOSS	EX.	PR.	LOSS %	
					%	%	%	%			ANNUAL	WINTER
			UNKNOWN	W3/F00 / INC (2)	71.3	71.2	0.1	0.1%				
	R2	RESIDENTIAL	UNKNOWN	W1/F00	35.1	33.9	1.2	3.4%	26	81	26	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33.4	31.7	1.7	5.1%	27	72	27	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.5	31.8	1.7	5.1%	27	74	27	0.0%
3 MULVEY PARK												
	R1	RESIDENTIAL	UNKNOWN	W1/F00	27.9	27.1	0.8	2.9%	21	50	19	3.8%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.9	34.1	0.8	2.3%	25	69	23	2.8%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	35.4	34	1.4	4.0%	25	64	25	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.4	33.9	1.5	4.2%	25	64	25	0.0%
4 MULVEY PARK												
	R1	RESIDENTIAL	UNKNOWN	W1/F00	0	0	0	-	0	0	0	0.0%
			UNKNOWN	W2/F00 / INC (2)	72.7	72.3	0.4	0.6%	27	79	27	0.0%
			UNKNOWN	W3/F00 / INC (2)	72.7	72.3	0.4	0.6%	27	79	27	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	35.5	33.9	1.6	4.5%	25	65	25	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.5	33.9	1.6	4.5%	25	65	25	0.0%
1 MULVEY PARK												
	R1	RESIDENTIAL	UNKNOWN	W1/F00	21.7	21.5	0.2	0.9%	12	40	12	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	30.3	28.6	1.7	5.6%	25	66	25	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32.7	31	1.7	5.2%	26	70	26	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)				APSH (WINDOW)									
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX	PR.	LOSS	LOSS	EX	PR.		LOSS %	
					%	%	%	ANNUAL		WINTER	ANNUAL	WINTER	ANNUAL
5 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.2	30.2	1	3.2%	58	20	56	3.4%	10.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	35.5	33.8	1.7	4.8%	65	25	65	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.5	33.6	1.9	5.4%	65	25	65	0.0%	0.0%
6 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	32.1	31.4	0.7	2.2%	59	17	57	3.4%	11.8%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	35.3	33.4	1.9	5.4%	65	25	65	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.1	33.2	1.9	5.4%	65	25	65	0.0%	0.0%
1A MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	29	28.8	0.2	0.7%	71	18	71	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36	34.3	1.7	4.7%	82	30	82	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.9	34.2	1.7	4.7%	83	30	83	0.0%	0.0%
9 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	27.5	27.1	0.4	1.5%	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	24.9	24.9	0	0.0%	15	7	15	0.0%	0.0%
			UNKNOWN	W3/F00	30.2	29.6	0.6	2.0%	38	10	35	7.9%	30.0%
			UNKNOWN	W4/F00	34.7	33.2	1.5	4.3%	84	26	82	2.4%	7.7%
			UNKNOWN	W5/F00	34.5	33.1	1.4	4.1%	83	25	81	2.4%	8.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	30.4	29.6	0.8	2.6%	71	17	71	0.0%	0.0%
			UNKNOWN	W2/F01	33.2	30.7	2.5	7.5%	77	29	75	2.6%	6.9%
	R2	RESIDENTIAL	UNKNOWN	W3/F01	33.1	30.7	2.4	7.3%	76	29	74	2.6%	6.9%
10 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.7	30.4	1.3	4.1%	75	24	73	2.7%	8.3%
			UNKNOWN	W2/F00 / HZ (2)	85.3	84.9	0.4	0.5%	91	27	90	1.1%	3.7%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33.1	30.8	2.3	6.9%	76	29	74	2.6%	6.9%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.1	30.8	2.3	6.9%	76	29	74	2.6%	6.9%
14 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	26.7	26.6	0.1	0.4%	61	16	61	0.0%	0.0%
			UNKNOWN	W2/F00	4.1	4.1	0	0.0%	5	0	5	0.0%	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC/CLVZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)					APSH (WINDOW)									
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F01			UNKNOWN	W3/F00 / INC (2)	93.9	93	0.9	1.0%	97	29	95	27	2.1%	6.9%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.8	32.8	2	5.7%	80	29	78	27	2.5%	6.9%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32.8	30.9	1.9	5.8%	76	29	74	27	2.6%	6.8%
11 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	25.4	24.8	0.6	2.4%	59	19	59	19	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33.1	30.8	2.3	6.9%	76	29	74	27	2.6%	6.9%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33	30.9	2.1	6.4%	76	29	74	27	2.6%	6.9%
12 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.4	31.3	0.1	0.3%	75	22	75	22	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	31.9	31.1	0.8	2.5%	75	23	75	23	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	31.8	29.6	2.2	6.9%	72	29	70	27	2.8%	6.9%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33	30.9	2.1	6.4%	76	29	74	27	2.6%	6.9%
13 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	30.7	30.3	0.4	1.3%	72	21	72	21	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	28.4	27.1	1.3	4.6%	63	19	61	17	3.2%	10.5%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	32.9	30.9	2	6.1%	76	29	74	27	2.6%	6.9%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32.9	30.9	2	6.1%	76	29	74	27	2.6%	6.9%
15 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	26.7	26.6	0.1	0.4%	62	17	62	17	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	31.5	31.1	0.4	1.3%	77	22	77	22	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	32.7	30.8	1.9	5.8%	76	29	74	27	2.6%	6.9%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32.7	30.8	1.9	5.8%	76	29	74	27	2.6%	6.9%

(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	Window	VSC (Window)			APSH (Window)							
		Ex. %	Pr. %				Loss	Loss %	Ex		Pr.		Loss %				
16 Mulvey Park										Annual	Winter	Annual	Winter	Annual	Winter		
F00	R1		Residential		UNKNOWN	W1/F00	32.2	31.8	0.4	12%	80	23	80	23	0.0%	0.0%	
	R2		Residential		UNKNOWN	W2/F00	34.5	33.3	1.2	35%	85	27	84	26	12%	37%	
					UNKNOWN	W3/F00	32.9	32.7	0.2	0.6%	52	14	52	14	0.0%	0.0%	
F01	R1		Residential		UNKNOWN	W1/F01	32.6	30.7	1.9	5.8%	76	29	74	27	2.6%	6.8%	
	R2		Residential		UNKNOWN	W2/F01	32.6	30.7	1.9	5.8%	78	29	76	27	2.6%	6.8%	
					UNKNOWN	W3/F01	32.8	32.4	0.4	12%	44	14	44	14	0.0%	0.0%	
57A Mulvey Park																	
F00	R1		Residential		UNKNOWN	W1/F00	25.8	25.8	0	0.0%	48	13	48	13	0.0%	0.0%	
					UNKNOWN	W2/F00	28.9	28.9	0	0.0%	48	12	48	12	0.0%	0.0%	
					UNKNOWN	W3/F00	29.4	29.4	0	0.0%	77	18	77	18	0.0%	0.0%	
					UNKNOWN	W4/F00	30.9	30.9	0	0.0%	80	21	80	21	0.0%	0.0%	
					UNKNOWN	W5/F00	31.3	31.3	0	0.0%	39	9	38	8	2.6%	11%	
					UNKNOWN	W6/F00	30.4	30.4	0	0.0%	45	7	34	6	2.6%	6%	
					UNKNOWN	W7/F00	28.7	28.7	0	0.0%	35	9	38	5	0.0%	0.0%	
					UNKNOWN	W8/F00 / INC (2)	87.8	87.3	0.5	0.6%	92	29	91	28	11%	3.4%	
					UNKNOWN	W9/F00 / INC (2)	88.5	88	0.5	0.6%	93	28	93	28	0.0%	0.0%	
F01	R1		Residential		UNKNOWN	W1/F01 / INC (2)	88.2	87.3	0.9	1.0%	96	30	96	30	0.0%	0.0%	
					UNKNOWN	W2/F01	36.9	35.5	1.4	3.8%	88	29	88	29	0.0%	0.0%	
					UNKNOWN	W3/F01	37.2	35.7	1.5	4.0%	88	29	88	29	0.0%	0.0%	
					UNKNOWN	W6/F01	35.2	34.7	0.5	1.4%	56	20	55	19	1.8%	5.0%	
	R2		Residential		UNKNOWN	W4/F01	37.3	35.9	1.4	3.8%	88	29	88	29	0.0%	0.0%	
					UNKNOWN	W5/F01	36.3	36.1	0.2	0.6%	40	10	40	10	0.0%	0.0%	
	57 Mulvey Park																
	F00	R1		Residential		UNKNOWN	W1/F00	30.8	30.6	0.2	0.6%	70	23	69	22	1.4%	4.3%
						UNKNOWN	W3/F00	22.6	22.4	0.2	0.9%	38	13	37	12	2.6%	7.7%
R2			Residential		UNKNOWN	W2/F00	23.7	23.4	0.3	1.3%	56	19	55	18	1.8%	5.3%	
F01	R1		Residential		UNKNOWN	W1/F01	36.4	35.2	1.2	3.3%	81	27	81	27	0.0%	0.0%	
					UNKNOWN	W4/F01	29.5	29.1	0.4	1.4%	48	15	48	15	0.0%	0.0%	
57 Mulvey Park (Continued)																	
	R2		Residential		UNKNOWN	W2/F01	35	33.8	1.2	3.4%	75	25	75	25	0.0%	0.0%	
					UNKNOWN	W3/F01 / INC (2)	77.8	76.8	1	1.3%	80	26	80	26	0.0%	0.0%	

(1) KITCHEN SMALLER THAN 13m2

(2) INC/CLZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

				VSC (WINDOW)				APSH (WINDOW)						
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. ANNUAL	PR. ANNUAL	LOSS ANNUAL	LOSS WINTER		
58 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	32.7	32.5	0.2	0.6%	80	26	79	25	1.3%	3.8%
		UNKNOWN	UNKNOWN	W2/F00	28.1	27.9	0.2	0.7%	66	24	65	23	1.5%	4.2%
		UNKNOWN	UNKNOWN	W3/F00 / INC (2)	71.3	70.6	0.7	1.0%	90	29	90	29	0.0%	0.0%
		UNKNOWN	UNKNOWN	W4/F00 / INC (2)	67.6	66.9	0.7	1.0%	86	29	86	29	0.0%	0.0%
		UNKNOWN	UNKNOWN	W5/F00 / INC (2)	62.5	61.8	0.7	1.1%	85	29	85	29	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37.3	35.9	1.4	3.8%	85	30	84	29	1.2%	3.3%
		UNKNOWN	UNKNOWN	W2/F01	35.8	34.4	1.4	3.9%	79	30	78	29	1.3%	3.3%
		UNKNOWN	UNKNOWN	W3/F01 / INC (2)	73.3	73.1	0.2	0.3%	72	18	72	18	0.0%	0.0%
59 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	32.8	32.6	0.2	0.6%	83	26	82	25	1.2%	3.8%
		UNKNOWN	UNKNOWN	W2/F00 / INC (2)	75	74.5	0.5	0.7%	90	28	90	28	0.0%	0.0%
		UNKNOWN	UNKNOWN	W3/F00 / INC (2)	75	74.5	0.5	0.7%	90	29	90	29	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.2	36.7	1.5	3.9%	89	30	88	29	1.1%	3.3%
		UNKNOWN	UNKNOWN	W2/F01	38.2	36.8	1.4	3.7%	89	30	89	29	1.1%	3.3%
60 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	25.9	25.6	0.3	1.2%	52	13	52	13	0.0%	0.0%
		UNKNOWN	UNKNOWN	W2/F00	28.3	27.8	0.5	1.8%	62	17	62	17	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37	35.7	1.3	3.5%	77	27	77	27	0.0%	0.0%
		UNKNOWN	UNKNOWN	W2/F01	38	36.8	1.2	3.2%	86	28	85	27	1.2%	3.6%
61 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	17.6	17.2	0.4	2.3%	44	12	44	12	0.0%	0.0%
		RESIDENTIAL	UNKNOWN	W2/F00 / HZ (2)	77.9	77.7	0.2	0.3%	92	30	91	29	1.1%	3.3%
		UNKNOWN	UNKNOWN	W3/F00 / HZ (2)	93.5	93.4	0.1	0.1%	96	30	95	29	1.0%	3.3%
61 MULVEY PARK (CONTINUED)														
F01	R1	RESIDENTIAL	UNKNOWN	W4/F00 / HZ (2)	97.3	97.2	0.1	0.1%	98	29	98	29	0.0%	0.0%
		UNKNOWN	UNKNOWN	W5/F00 / HZ (2)	97.5	97.3	0.2	0.2%	96	29	95	28	1.0%	3.4%
		UNKNOWN	UNKNOWN	W6/F00	34.6	34.3	0.3	0.9%	84	25	84	25	0.0%	0.0%
		RESIDENTIAL	UNKNOWN	W1/F01	38.2	37	1.2	3.1%	88	29	87	28	1.1%	3.4%

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

VSC (WINDOW)				APSH (WINDOW)									
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX	PR	LOSS	LOSS	EX	PR		LOSS %	
					%	%	%	ANNUAL		WINTER	ANNUAL	WINTER	ANNUAL
62 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W4/F00	27.7	27.5	0.2	0.7%	53	16	53	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W1/F00	26.1	25.9	0.2	0.8%	54	14	54	0.0%	0.0%
			UNKNOWN	W2/F00	28.6	28.6	0	0.0%	40	10	40	0.0%	0.0%
			UNKNOWN	W3/F00	20	20	0	0.0%	37	6	37	0.0%	0.0%
			UNKNOWN	W5/F00 / INC (2)	47	46.8	0.2	0.4%	48	14	48	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.9	34	0.9	2.6%	74	22	74	0.0%	0.0%
64 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	28.8	28.6	0.2	0.7%	64	20	64	0.0%	0.0%
			UNKNOWN	W2/F00 / HZ (2)	80.3	80.1	0.2	0.2%	90	25	90	0.0%	0.0%
			UNKNOWN	W3/F00 / HZ (2)	80.6	80.5	0.1	0.1%	91	29	89	2.2%	6.9%
			UNKNOWN	W4/F00 / HZ (2)	96.4	96.3	0.1	0.1%	96	30	94	2.1%	6.7%
	F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.3	37.3	1	2.6%	88	29	86	2.3%
			UNKNOWN	W2/F01	38.4	37.4	1	2.6%	88	29	86	2.3%	6.6%
63 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	28.4	28	0.4	1.4%	55	18	55	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37.8	36.7	1.1	2.9%	85	27	85	0.0%	0.0%
			UNKNOWN	W2/F01	38.2	37.1	1.1	2.9%	87	28	86	1.1%	3.6%
65 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	25.8	25.4	0.4	1.6%	54	18	54	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	33.8	33.2	0.6	1.8%	75	26	74	1.3%	3.8%
	F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	26.7	26.6	0.1	0.4%	41	13	41	0.0%
65 MULVEY PARK (CONTINUED)													
			UNKNOWN	W2/F01	38.1	37.1	1	2.6%	86	28	85	1.2%	3.6%
			UNKNOWN	W3/F01	38.2	37.3	0.9	2.4%	87	28	86	1.1%	3.6%
66 MULVEY PARK													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00 / INC (2)	65.3	65.2	0.1	0.2%	78	23	78	0.0%	0.0%
			UNKNOWN	W2/F00 / INC (2)	81.5	81.5	0	0.0%	82	23	82	0.0%	0.0%
			UNKNOWN	W3/F00	35.7	35.3	0.4	1.1%	86	27	85	1.2%	3.7%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37.9	37.1	0.8	2.1%	87	29	86	1.1%	3.4%

(1) KITCHEN SMALLER THAN 13m2

(2) INC/HZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)					
					EX %	PR. %	LOSS %	LOSS %	EX		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			UNKNOWN	W2/F01	37.2	36.4	0.8	2.2%	82	29	81	28	1.2%	3.4%

67 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	25.7	25.7	0	0.0%	50	15	50	15	0.0%	0.0%
			UNKNOWN	W2/F00	21.5	21.3	0.2	0.9%	49	15	49	15	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.1	35.3	0.8	2.2%	79	27	78	26	1.3%	3.7%
			UNKNOWN	W2/F01	31.5	30.7	0.8	2.5%	67	24	67	24	0.0%	0.0%

68 MULVEY PARK														
F00	R1 (3)	RESIDENTIAL	UNKNOWN	W1/F00	28.8	28.8	0	0.0%	67	15	67	15	0.0%	0.0%
			UNKNOWN	W2/F00	32.1	32.1	0	0.0%	79	21	79	21	0.0%	0.0%
			UNKNOWN	W3/F00	35.7	35.4	0.3	0.8%	87	28	86	27	11%	36%
F01	R2	RESIDENTIAL	UNKNOWN	W1/F01	38.7	37.9	0.8	2.1%	89	30	89	30	0.0%	0.0%
			UNKNOWN	W2/F01	38.7	37.9	0.8	2.1%	89	30	89	30	0.0%	0.0%
			UNKNOWN	W3/F01	33.9	33.9	0	0.0%	76	26	76	26	0.0%	0.0%

70 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.2	33.2	0	0.0%	79	23	79	23	0.0%	0.0%
			UNKNOWN	W2/F00	32.2	32.2	0	0.0%	80	23	80	23	0.0%	0.0%
			UNKNOWN	W3/F00	32.7	32.7	0	0.0%	78	23	78	23	0.0%	0.0%
			UNKNOWN	W4/F00	20.4	20.4	0	0.0%	69	23	69	23	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37.5	36.9	0.6	1.6%	83	25	83	25	0.0%	0.0%

70 MULVEY PARK (CONTINUED)														
			UNKNOWN	W2/F01	38	37.4	0.6	1.6%	86	27	86	27	0.0%	0.0%
			UNKNOWN	W3/F01	38.2	37.6	0.6	1.6%	86	27	86	27	0.0%	0.0%
			UNKNOWN	W4/F01	30.4	30.4	0	0.0%	74	27	74	27	0.0%	0.0%

69 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.4	31.4	0	0.0%	70	21	70	21	0.0%	0.0%
			UNKNOWN	W2/F00	31.3	31.2	0.1	0.3%	71	23	71	23	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	25.4	25.4	0	0.0%	50	14	50	14	0.0%	0.0%
			UNKNOWN	W2/F01	34.6	34.3	0.3	0.9%	75	21	75	21	0.0%	0.0%

71 MULVEY PARK														
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(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)					APSH (WINDOW)									
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS		EX.				LOSS %	
								%	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.4	33.2	0.2	0.6%	82	23	82	23	0.0%	0.0%
			UNKNOWN	W2/F00	18.3	18.3	0	0.0%	44	14	44	14	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W3/F00	23.3	23.3	0	0.0%	57	21	57	21	0.0%	0.0%
F01	R3	RESIDENTIAL	UNKNOWN	W4/F00	18.8	18.8	0	0.0%	36	12	36	12	0.0%	0.0%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.4	37.9	0.5	1.3%	88	29	88	29	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.4	37.8	0.6	1.6%	88	29	88	29	0.0%	0.0%
R3	RESIDENTIAL	UNKNOWN	UNKNOWN	W3/F01	27.5	27.2	0.3	1.1%	42	14	42	14	0.0%	0.0%
72 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	29.4	29.4	0	0.0%	66	18	66	18	0.0%	0.0%
			UNKNOWN	W2/F00	18.9	18.9	0	0.0%	41	4	41	4	0.0%	0.0%
	F01	RESIDENTIAL	UNKNOWN	W1/F01	38.3	37.8	0.5	1.3%	88	29	88	29	0.0%	0.0%
R2	RESIDENTIAL	UNKNOWN	UNKNOWN	W2/F01	38.4	37.9	0.5	1.3%	88	29	88	29	0.0%	0.0%
73 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	29.6	29.6	0	0.0%	64	20	64	20	0.0%	0.0%
			UNKNOWN	W2/F00	31.3	31.3	0	0.0%	69	18	69	18	0.0%	0.0%
			UNKNOWN	W3/F00 / INC (2)	91.7	91.5	0.2	0.2%	96	30	96	30	0.0%	0.0%
			UNKNOWN	W4/F00	21.8	21.8	0	0.0%	47	16	47	16	0.0%	0.0%
73 MULVEY PARK (CONTINUED)														
F01	R2	RESIDENTIAL	UNKNOWN	W5/F00 / INC (2)	70.3	70	0.3	0.4%	81	26	81	26	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W6/F00	11.4	11.4	0	0.0%	20	0	20	0	0.0%	0.0%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.1	37.6	0.5	1.3%	89	30	89	30	0.0%	0.0%
R2	RESIDENTIAL	UNKNOWN	UNKNOWN	W2/F01	38.3	37.8	0.5	1.3%	89	30	89	30	0.0%	0.0%
74 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.4	34.4	0	0.0%	82	24	82	24	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	28.5	28.5	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F00	17.2	17.2	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A
R3	RESIDENTIAL	UNKNOWN	UNKNOWN	W4/F00	17.7	17.7	0	0.0%	35	4	35	4	0.0%	0.0%
F01			UNKNOWN	W5/F00 / INC (2)	76.2	76.2	0	0.0%	76	24	76	24	0.0%	0.0%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	38	37.5	0.5	1.3%	88	29	88	29	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	37	36.5	0.5	1.4%	86	28	86	28	0.0%	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)				APSH (WINDOW)										
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX	PR	LOSS	LOSS	EX		PR	LOSS %		
					%	%	%	%	ANNUAL	WINTER	ANNUAL	WINTER		
75 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.8	34.8	0	0.0%	81	23	81	23	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	24.5	24	0.5	2.0%	57	23	57	23	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	32	31.5	0.5	1.6%	54	20	54	20	0.0%	0.0%
			UNKNOWN	W3/F01	38.4	37.9	0.5	1.3%	89	30	88	29	1.1%	3.3%
76 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.3	33.3	0	0.0%	76	19	76	19	0.0%	0.0%
			UNKNOWN	W2/F00	35.5	35.5	0	0.0%	83	24	83	24	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	28.6	28.6	0	0.0%	57	14	57	14	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.7	35.6	0.1	0.3%	81	23	81	23	0.0%	0.0%
77 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	30.4	30.4	0	0.0%	66	20	66	20	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	33.6	33.4	0.2	0.6%	79	24	79	24	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37.7	37.4	0.3	0.8%	87	28	87	28	0.0%	0.0%
77 MULVEY PARK (CONTINUED)														
	R2	RESIDENTIAL	UNKNOWN	W2/F01	37.9	37.5	0.4	1.1%	87	28	87	28	0.0%	0.0%
78 MULVEY PARK														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	19.9	19.9	0	0.0%	54	18	54	18	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37.9	37.5	0.4	1.1%	87	28	87	28	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	37.9	37.5	0.4	1.1%	88	29	87	28	1.1%	3.4%
87 LARCHFIELD ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	27.9	24.7	3.2	11.5%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	26.7	22.9	3.8	14.2%	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F00	29.8	26.1	3.7	12.4%	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F00	26.5	24.4	2.1	7.9%	0		0		0.0%	0.0%
			UNKNOWN	W5/F00	23.1	21.5	1.6	6.9%	22	2	22	2	0.0%	0.0%
	R5	RESIDENTIAL	UNKNOWN	W6/F00	22	19.1	2.9	13.2%	N/A	N/A	N/A	N/A	N/A	N/A
	R6	RESIDENTIAL	UNKNOWN	W7/F00	27.8	24	3.8	13.7%	N/A	N/A	N/A	N/A	N/A	N/A
	R7	RESIDENTIAL	UNKNOWN	W8/F00	28	23.9	4.1	14.6%	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	39.1	36.2	2.9	7.4%	60	21	59	21	1.7%	0.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR		ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)						
						EX	PR.	LOSS	LOSS		EX		PR.		LOSS %	
						%	%	%			ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
		R2	RESIDENTIAL	UNKNOWN	W2/F01	39.2	36.8	2.4	61%		60	21	59	21	1.7%	0.0%
		R3	RESIDENTIAL	UNKNOWN	W3/F01	39.2	37	2.2	5.6%		60	21	59	21	1.7%	0.0%
		R4	RESIDENTIAL	UNKNOWN	W4/F01 / INC (2)	65.8	65.7	0.1	0.2%		68	24	68	24	0.0%	0.0%
		R5	RESIDENTIAL	UNKNOWN	W5/F01 / INC (2)	95.5	95.3	0.2	0.2%		91	28	91	28	0.0%	0.0%

83 LARCHFIELD ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	27.8	27.8	0	0.0%	38	5	38	5	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	28.4	27.7	0.7	2.5%	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F00	30	29.1	0.9	3.0%	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37.8	36	1.8	4.8%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	36.8	35.1	1.7	4.6%	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F01	37.7	36	1.7	4.5%	N/A	N/A	N/A	N/A	N/A	N/A

81 LARCHFIELD ROAD													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	28.2	27.2	1	3.5%	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	27.3	26	1.3	4.8%	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F00	32.8	31.9	0.9	2.7%	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.4	34.6	1.8	4.9%	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35	33.3	1.7	4.9%	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F01	35.1	33.3	1.8	5.1%	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W4/F01 / INC (2)	27.9	27.8	0.1	0.4%	52	17	52	17	0.0%

79 LARCHFIELD ROAD													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.8	33.6	1.2	3.4%	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W2/F00	34	32.7	1.3	3.8%	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F00	25	24.7	0.3	12%	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W8/F00 / INC (2)	65.8	65.3	0.5	0.8%	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W4/F00	26.2	25.8	0.4	15%	0	0	0	0	0.0%
			UNKNOWN	W5/F00	36.9	35.5	1.4	3.8%	6	6	6	6	0.0%
			UNKNOWN	W6/F00	29	28.3	0.7	2.4%	26	2	26	2	0.0%
			UNKNOWN	W7/F00	34.4	32.9	1.5	4.4%	0	0	0	0	0.0%
			UNKNOWN	W9/F00 / INC (2)	0	0	0	-	0	0	0	0	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36	34.2	1.8	5.0%	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35	33.2	1.8	5.1%	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)				APSH (WINDOW)											
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX		PR		LOSS %		
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
F02	R3	RESIDENTIAL	UNKNOWN	W3/F01	35	33.2	1.8	5.1%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W4/F01	31.1	29.4	1.7	5.5%	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	UNKNOWN	W5/F01	36.4	34.6	1.8	4.9%	N/A	N/A	N/A	N/A	N/A	N/A	
	R1	RESIDENTIAL	UNKNOWN	W1/F02 / INC (2)	88.7	88.4	0.3	0.3%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F02 / INC (2)	88.9	88.1	0.8	0.9%	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN	W3/F02 / INC (2)	87.3	86.5	0.8	0.9%	N/A	N/A	N/A	N/A	N/A	N/A	
S4 FRIARSLAND ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.3	31.3	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W3/F00	29.5	29.5	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
S4 FRIARSLAND ROAD (CONTINUED)															
F01	R2	RESIDENTIAL	UNKNOWN	W2/F00	31.9	31.9	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.7	38.4	0.3	0.8%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.7	38.4	0.3	0.8%	N/A	N/A	N/A	N/A	N/A	N/A	
S2 FRIARSLAND ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	21	21	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F00	33.6	33.5	0.1	0.3%	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN	W3/F00	35.8	35.8	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
	R4	RESIDENTIAL	UNKNOWN	W4/F00	34.2	34.2	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
S0 FRIARSLAND ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.9	34.5	0.4	1.1%	76	25	76	25	0.0%	0.0%	
	R2	RESIDENTIAL	UNKNOWN	W2/F00	33.7	33.3	0.4	1.2%	75	23	75	23	0.0%	0.0%	
			UNKNOWN	W3/F00	34.8	33.9	0.9	2.6%	76	24	75	23	1.3%	4.2%	
	R3	RESIDENTIAL	UNKNOWN	W4/F00	31.6	30.9	0.7	2.2%	68	16	67	15	15%	6.3%	
	R4	RESIDENTIAL	UNKNOWN	W5/F00	18.8	18.5	0.3	1.6%	34	3	33	2	2.9%	33.3%	
	R5	RESIDENTIAL	UNKNOWN	W6/F00	25.6	25.5	0.1	0.4%	N/A	N/A	N/A	N/A	N/A	N/A	
	R6	RESIDENTIAL	UNKNOWN	W7/F00	26.6	26.6	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	
	R7	RESIDENTIAL	UNKNOWN	W8/F00	36.1	35.8	0.3	0.8%	N/A	N/A	N/A	N/A	N/A	N/A	
S4 FRIARSLAND ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	23	22.4	0.6	2.6%	40	7	40	7	0.0%	0.0%	
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.9	34.1	0.8	2.3%							

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)			
					EX.	PR.	LOSS	LOSS %	EX.	PR.	LOSS	LOSS %
					%			%	ANNUAL	WINTER	ANNUAL	WINTER
	R3	RESIDENTIAL	UNKNOWN	W3/F00	366	35.8	0.8	2.2%	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F00	35	34.4	0.6	1.7%	N/A	N/A	N/A	N/A

46 FRIARSLAND ROAD												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	333	31.9	1.4	4.2%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	364	34.8	1.6	4.4%	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F00	362	34.7	1.5	4.1%	N/A	N/A	N/A	N/A

42 FRIARSLAND ROAD												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	281	27.8	0.3	1.1%	64	64	14	0.0%
			UNKNOWN	W2/F00	275	27.2	0.3	1.1%	62	61	11	1.6%
			UNKNOWN	W3/F00	263	25.9	0.4	1.5%	61	61	11	0.0%
			UNKNOWN	W4/F00	246	24	0.6	2.4%	58	58	9	0.0%
R2		RESIDENTIAL	UNKNOWN	W5/F00	157	152	0.5	3.2%	35	35	0	0.0%
			UNKNOWN	W6/F00	213	20.9	0.4	1.9%	46	44	5	4.3%
R3		RESIDENTIAL	UNKNOWN	W7/F00	264	25.7	0.7	2.7%	N/A	N/A	N/A	N/A
			UNKNOWN	W8/F00	15.9	15.7	0.2	1.3%	N/A	N/A	N/A	N/A
R4		RESIDENTIAL	UNKNOWN	W9/F00	30.6	29.7	0.9	2.9%	N/A	N/A	N/A	N/A
R5		RESIDENTIAL	UNKNOWN	W10/F00	30.5	29.6	0.9	3.0%	N/A	N/A	N/A	N/A
			UNKNOWN	W11/F00	28.8	28.2	0.6	2.1%	N/A	N/A	N/A	N/A
			UNKNOWN	W12/F00	30.3	29.3	1	3.3%	N/A	N/A	N/A	N/A
R6		RESIDENTIAL	UNKNOWN	W13/F00	30.8	29.2	1.6	5.2%	32	30	5	6.3%
			UNKNOWN	W14/F00	29.7	28.6	1.1	3.7%	29	26	6	2.4%
			UNKNOWN	W15/F00	31	29.5	1.5	4.8%	30	28	4	6.7%
			UNKNOWN	W16/F00	16.7	16.3	0.4	2.4%	47	45	0	4.3%

44 FRIARSLAND ROAD												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	352	33.5	1.7	4.8%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	35.7	33.9	1.8	5.0%	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F00	35.2	33.5	1.7	4.8%	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W4/F00	31.4	30.1	1.3	4.1%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01 / INC (2)	87.2	86.2	1	1.1%	N/A	N/A	N/A	N/A

38 FRIARSLAND ROAD												
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(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)				APSH (WINDOW)													
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX %	PR. %	LOSS		LOSS %	EX				PR.		LOSS %	
										ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.4	31.7	2.7	7.8%		46	13	43	11	6.5%	15.4%		
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.7	31.7	3	8.6%		47	14	43	11	8.5%	21.4%		
			UNKNOWN	W4/F00 / HZ (2)	64	63.4	0.6	0.9%		60	19	55	16	8.3%	15.8%		
R3		RESIDENTIAL	UNKNOWN	W3/F00	34.6	31.8	2.8	8.1%		46	13	43	11	6.5%	15.4%		
38 FRIARSLAND ROAD (CONTINUED)																	
R4		RESIDENTIAL	UNKNOWN	W5/F00	33.8	31.3	2.5	7.4%		43	9	40	8	7.0%	11.1%		
40 FRIARSLAND ROAD																	
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.3	31.5	1.8	5.4%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F00	35.7	32.6	3.1	8.7%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN	W3/F00	34.2	31.7	2.5	7.3%		N/A	N/A	N/A	N/A	N/A	N/A	N/A	
36 FRIARSLAND ROAD																	
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.2	32	1.2	3.6%		10	0	8	0	20.0%	0.0%		
			UNKNOWN	W2/F00	33.9	32.7	1.2	3.5%		16	7	16	7	20.0%	5.0%		
			UNKNOWN	W3/F00	35.5	34.2	1.3	3.7%		10	0	7	0	50.0%	0.0%		
			UNKNOWN	W4/F00	36.6	32.4	4.2	11.5%		57	19	52	17	8.8%	10.5%		
			UNKNOWN	W5/F00	36.7	32.5	4.2	11.4%		57	19	52	18	8.8%	5.3%		
			UNKNOWN	W6/F00	36.8	32.7	4.1	11.1%		58	20	51	17	12.1%	15.0%		
			UNKNOWN	W7/F00 / HZ (2)	83.5	82.9	0.6	0.7%		77	25	72	23	6.5%	8.0%		
R2		RESIDENTIAL	UNKNOWN	W8/F00 / HZ (2)	87	87	0	0.0%		59	17	59	17	0.0%	0.0%		
			UNKNOWN	W9/F00 / HZ (2)	80.3	80	0.3	0.4%		47	11	45	10	4.3%	9.1%		
			UNKNOWN	W10/F00 / HZ (2)	69.1	68.7	0.4	0.6%		34	3	31	2	8.8%	33.3%		
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.6	34.6	4	10.4%		57	19	52	17	8.8%	10.5%		
28 FRIARSLAND ROAD																	
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	24	23.2	0.8	3.3%		41	17	39	15	4.9%	11.8%		
			UNKNOWN	W2/F00 / HZ (2)	58.2	57.8	0.4	0.7%		61	20	57	17	6.6%	15.0%		
			UNKNOWN	W3/F00 / HZ (2)	57.3	57	0.3	0.5%		62	21	58	18	6.5%	14.3%		
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.7	35.4	3.3	8.5%		58	20	55	18	5.2%	10.0%		
R2		RESIDENTIAL	UNKNOWN	W2/F01	38.8	35.5	3.3	8.5%		58	20	55	18	5.2%	10.0%		
R3		RESIDENTIAL	UNKNOWN	W3/F01	38.8	35.5	3.3	8.5%		58	20	54	18	6.9%	10.0%		
32 FRIARSLAND ROAD																	

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)			
					EX. %	PR. %	LOSS	LOSS %	EX. ANNUAL	EX. WINTER	PR. ANNUAL	PR. WINTER
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.2	30.2	3	9.0%	47	15	41	12
32 FRIARSLAND ROAD (CONTINUED)												
			UNKNOWN	W2/F00	32.3	29.8	2.5	7.7%	55	19	40	9
			UNKNOWN	W3/F00	35.2	32.1	3.1	8.8%	42	12	36	9
			UNKNOWN	W4/F00	36.5	33.2	3.3	9.0%	50	15	44	12
			UNKNOWN	W5/F00	37.1	33.6	3.5	9.4%	58	20	52	16
			UNKNOWN	W6/F00	37.3	33.8	3.5	9.4%	64	23	58	19
			UNKNOWN	W7/F00	37.2	34	3.2	8.6%	69	24	63	20
			UNKNOWN	W8/F00	36.7	34	2.7	7.4%	74	24	68	20
			UNKNOWN	W9/F00	35.7	33.4	2.3	6.4%	77	24	72	20
			UNKNOWN	W10/F00	34	32.1	1.9	5.6%	76	24	72	20
			UNKNOWN	W11/F00	25.1	24.1	1	4.0%	60	23	57	20
			UNKNOWN	W12/F00	38.2	35.2	3	7.9%	76	26	73	24
			UNKNOWN	W13/F00	38.6	35.1	3.5	9.1%	68	24	65	22
			UNKNOWN	W14/F00	38.6	34.9	3.7	9.6%	59	20	55	18
			UNKNOWN	W15/F00	38.3	34.7	3.6	9.4%	50	15	47	13
			UNKNOWN	W16/F00	36.9	33.9	3	8.1%	45	9	42	11
			UNKNOWN	W17/F00	34.2	32	2.2	6.4%	27	5	24	3
			UNKNOWN	W18/F00	30.3	28.7	1.6	5.3%	17	5	16	5
			UNKNOWN	W19/F00	25.5	24.5	1	3.9%	9	0	8	0
			UNKNOWN	W20/F00	19.2	18.7	0.5	2.6%	5	0	5	0
			UNKNOWN	W21/F00	12.6	12.5	0.1	0.8%	1	0	1	0
			UNKNOWN	W22/F00	7.1	7.1	0	0.0%	1	0	1	0
			UNKNOWN	W23/F00	4.2	4.2	0	0.0%	7	2	7	2
			UNKNOWN	W24/F00	4.9	4.9	0	0.0%	16	7	17	7
			UNKNOWN	W25/F00	8.7	8.7	0	0.0%	28	11	28	11
			UNKNOWN	W26/F00	14.7	14.6	0.1	0.7%	40	16	40	16
			UNKNOWN	W27/F00	22.3	21.9	0.4	1.8%	53	22	53	22
			UNKNOWN	W28/F00	29.5	28.6	0.9	3.1%	64	25	63	24
			UNKNOWN	W29/F00	34.5	32.8	1.7	4.9%	72	26	70	24
			UNKNOWN	W30/F00	37.2	34.8	2.4	6.5%	80	26	78	24
	R2	RESIDENTIAL	UNKNOWN	W31/F00	26.4	24.2	2.2	8.3%	50	20	47	17
32 FRIARSLAND ROAD (CONTINUED)												
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.9	34.3	2.6	7.0%	57	20	54	18

(1) KITCHEN SMALLER THAN 13m2

(2) INC/CLZ = SKY COMPONENT (INCLINED/HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)					APSH (WINDOW)									
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX		PR		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.2	35	3.2	8.4%	57	20	54	18	5.3%	10.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	38.6	35.2	3.4	8.8%	58	20	56	18	3.4%	10.0%
30 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	30.5	28.4	2.1	6.9%	41	6	37	4	9.8%	33.3%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	36.7	33.4	3.3	9.0%	53	15	50	13	5.7%	13.3%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.7	35.3	3.4	8.8%	58	20	55	18	5.2%	10.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.7	35.3	3.4	8.8%	58	20	55	18	5.2%	10.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	38.6	35.3	3.3	8.5%	58	20	54	17	6.9%	15.0%
34 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.6	30.7	2.9	8.6%	56	19	51	16	8.9%	15.8%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	30.9	28.6	2.3	7.4%	41	4	36	3	12.2%	25.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F00	18.2	17.1	1.1	6.0%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W4/F00	20.2	19.1	1.1	5.4%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W5/F00	26	24.7	1.3	5.0%	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.7	34.9	3.8	9.8%	58	20	54	18	6.9%	10.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.7	35.1	3.6	9.3%	58	20	54	18	6.9%	10.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	38.7	35	3.7	9.6%	58	20	54	18	6.9%	10.0%
26 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	36.4	33.7	2.7	7.4%	58	20	52	16	10.3%	20.0%
			UNKNOWN	W2/F00	37.1	34.1	3	8.1%	58	20	52	16	10.3%	20.0%
			UNKNOWN	W3/F00	29.4	28.5	0.9	3.1%	66	22	63	19	4.5%	13.6%
			UNKNOWN	W4/F00	24.7	23.8	0.9	3.6%	61	21	58	18	4.9%	14.3%
			UNKNOWN	W5/F00	18.5	18	0.5	2.7%	51	18	48	15	5.9%	16.7%
			UNKNOWN	W6/F00 / INC (2)	68.1	66.5	1.6	2.3%	61	20	57	18	6.6%	10.0%
	R2	RESIDENTIAL	UNKNOWN	W7/F00	25.3	24.1	1.2	4.7%	43	11	42	10	2.3%	9.1%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.7	35.4	3.3	8.5%	58	20	55	18	5.2%	10.0%
26 FRIARSLAND ROAD (CONTINUED)														
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.7	35.5	3.2	8.3%	58	20	55	18	5.2%	10.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	38.8	35.6	3.2	8.2%	58	20	55	18	5.2%	10.0%
24 FRIARSLAND ROAD														

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)			APSH (WINDOW)											
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.3	31.8	1.5	4.5%	48	13	47	13	21%	0.0%
			UNKNOWN	W4/F00 / HZ (2)	63.8	63.5	0.3	0.5%	62	20	60	19	3.2%	5.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	31.2	29.7	1.5	4.8%	46	8	45	8	2.2%	0.0%
			UNKNOWN	W3/F00	9.2	9.2	0	0.0%	23	0	23	0	0.0%	0.0%
F01			UNKNOWN	W5/F00 / HZ (2)	64	63.7	0.3	0.5%	66	22	64	21	3.0%	4.5%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.7	35.4	3.3	8.5%	59	20	55	17	6.8%	15.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.7	35.4	3.3	8.5%	58	20	55	18	5.2%	10.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	38.8	35.5	3.3	8.5%	59	20	56	18	5.1%	10.0%
41 LARCHFIELD ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	28.1	27.7	0.4	1.4%	16	1	16	1	0.0%	0.0%
			UNKNOWN	W2/F00	31.1	30.5	0.6	1.9%	14	0	13	0	7.0%	0.0%
			UNKNOWN	W3/F00	22.2	22	0.2	0.9%	32	2	31	2	3.1%	0.0%
			UNKNOWN	W5/F00 / HZ (2)	69.1	68.9	0.2	0.3%	30	4	29	4	3.3%	0.0%
F01	R2	RESIDENTIAL	UNKNOWN	W4/F00	25.6	25.4	0.2	0.8%	N/A	N/A	N/A	N/A	N/A	N/A
	R1	RESIDENTIAL	UNKNOWN	W2/F01	37.8	36.4	1.4	3.7%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F01	38.1	36.7	1.4	3.7%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W4/F01	38.3	36.7	1.6	4.2%	N/A	N/A	N/A	N/A	N/A	N/A
F02	R1	RESIDENTIAL	UNKNOWN	W1/F02	39.1	38	1.1	2.8%	18	2	18	2	0.0%	0.0%
			UNKNOWN	W2/F02	39.1	38	1.1	2.8%	18	0	18	0	0.0%	0.0%
			UNKNOWN	W3/F02 / INC (2)	83.5	83.5	0	0.0%	93	29	93	29	0.0%	0.0%
45 LARCHFIELD ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	29.5	28.5	1	3.4%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	26.2	26.2	0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F00	33.6	31.8	1.8	5.4%	N/A	N/A	N/A	N/A	N/A	N/A
45 LARCHFIELD ROAD (CONTINUED)														
R3	RESIDENTIAL	UNKNOWN	UNKNOWN	W4/F00	38.4	35.5	2.9	7.6%	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.8	36.8	2	5.2%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.9	36.9	2	5.1%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F01	38.9	36.9	2	5.1%	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W4/F01	39	36.9	2.1	5.4%	N/A	N/A	N/A	N/A	N/A	N/A
43 LARCHFIELD ROAD														

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

VSC (WINDOW)				APSH (WINDOW)											
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX.		PR.		LOSS %		
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	30.3	28.4	1.9	6.3%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F00	35.3	34	1.3	3.7%	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN	W3/F00	34.3	33	1.3	3.8%	60	16	58	16	3.3%	0.0%	
			UNKNOWN	W4/F00	35	33.5	1.5	4.3%	60	16	58	16	3.3%	0.0%	
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.8	36.9	1.9	4.9%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.8	37.1	1.7	4.4%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W3/F01	38.8	37.1	1.7	4.4%	N/A	N/A	N/A	N/A	N/A	N/A	
39 LARCHFIELD ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	22	21.4	0.6	2.7%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F00	29.2	28.4	0.8	2.7%	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN	W3/F00	27.8	27.4	0.4	1.4%	N/A	N/A	N/A	N/A	N/A	N/A	
	F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.1	35	1.1	3.0%	N/A	N/A	N/A	N/A	N/A	N/A
		R2	RESIDENTIAL	UNKNOWN	W2/F01	37	35.8	1.2	3.2%	N/A	N/A	N/A	N/A	N/A	N/A
47 LARCHFIELD ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	35.1	33.1	2	5.7%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W2/F00 / INC (2)	79	78.3	0.7	0.9%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W3/F00	36.5	34	2.5	6.8%	N/A	N/A	N/A	N/A	N/A	N/A	
F01			UNKNOWN	W4/F00 / INC (2)	77.3	76.7	0.6	0.8%	N/A	N/A	N/A	N/A	N/A	N/A	
	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.2	36	2.2	5.8%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.1	35.9	2.2	5.8%	N/A	N/A	N/A	N/A	N/A	N/A	
	R3	RESIDENTIAL	UNKNOWN	W3/F01	38	35.9	2.1	5.5%	N/A	N/A	N/A	N/A	N/A	N/A	
47 LARCHFIELD ROAD (CONTINUED)															
			UNKNOWN	W4/F01	37.5	35.4	2.1	5.6%	N/A	N/A	N/A	N/A	N/A	N/A	
49 LARCHFIELD ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	31.6	28.8	2.8	8.9%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W2/F00 / INC (2)	84.2	83.3	0.9	1.1%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W3/F00	36.9	34	2.9	7.9%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W4/F00	37.9	34.6	3.3	8.7%	N/A	N/A	N/A	N/A	N/A	N/A	
F01			UNKNOWN	W5/F00 / INC (2)	84.7	83.8	0.9	1.1%	N/A	N/A	N/A	N/A	N/A	N/A	
	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.3	35.9	2.4	6.3%	N/A	N/A	N/A	N/A	N/A	N/A	
R2	RESIDENTIAL	UNKNOWN	UNKNOWN	W2/F01	38.1	35.8	2.3	6.0%	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)			
					EX. %	PR. %	LOSS	LOSS %	EX. ANNUAL	PR. ANNUAL	LOSS ANNUAL	LOSS %
	R3	RESIDENTIAL	UNKNOWN	W3/F01	38.2	35.8	2.4	6.3%	N/A	N/A	N/A	N/A

S1 LARCHFIELD ROAD												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	37.8	34.5	3.3	8.7%	17	17	2	0.0%
			UNKNOWN	W2/F00 / INC (2)	81.8	80.7	1.1	1.3%	36	36	0	0.0%
			UNKNOWN	W3/F00	22.5	21.6	0.9	4.0%	26	26	2	0.0%
F01	R2	RESIDENTIAL	UNKNOWN	W4/F00	29.5	26.9	2.6	8.8%	N/A	N/A	N/A	N/A
	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.5	33.9	2.6	7.1%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	36.5	33.9	2.6	7.1%	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F01	37.2	34.6	2.6	7.0%	N/A	N/A	N/A	N/A

S3 LARCHFIELD ROAD												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	36.1	32.8	3.3	9.1%	N/A	N/A	N/A	N/A
			UNKNOWN	W2/F00	35.3	32.2	3.1	8.8%	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F00	36.2	33	3.2	8.8%	N/A	N/A	N/A	N/A
			UNKNOWN	W4/F00 / INC (2)	78.9	76.6	2.3	2.9%	N/A	N/A	N/A	N/A
			UNKNOWN	W5/F00 / INC (2)	78.6	76.2	2.4	3.1%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W6/F00	34.4	31.7	2.7	7.8%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37	34.2	2.8	7.6%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.7	32.9	2.8	7.8%	N/A	N/A	N/A	N/A
S3 LARCHFIELD ROAD (CONTINUED)												
F02	R3	RESIDENTIAL	UNKNOWN	W3/F01	35.4	32.6	2.8	7.9%	N/A	N/A	N/A	N/A
	R1	RESIDENTIAL	UNKNOWN	W1/F02 / INC (2)	86.7	85.5	1.2	1.4%	65	65	0	0.0%
			UNKNOWN	W2/F02	36.9	36.4	0.5	1.4%	64	64	22	0.0%

S5 LARCHFIELD ROAD												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	38.2	34.2	4	10.5%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	38.1	34.1	4	10.5%	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34	30.9	3.1	9.1%	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	34	30.9	3.1	9.1%	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F01	34.3	31.2	3.1	9.0%	13	13	2	0.0%
			UNKNOWN	W4/F01	25.1	25.1	0	0.0%	42	9	42	0.0%

S7 LARCHFIELD ROAD												
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(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)				APSH (WINDOW)											
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX.		PR.		LOSS %		
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	36.3	33.1	3.2	8.8%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W2/F00 / INC (2)	67.2	66.1	1.1	1.6%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W3/F00 / INC (2)	69.6	68.6	1	1.4%	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	33.9	30.9	3	8.8%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.9	30.8	3.1	9.1%	12	1	12	1	0.0%	0.0%	
			UNKNOWN	W3/F01	24.1	24.1	0	0.0%	53	17	53	17	0.0%	0.0%	
59 LARCHFIELD ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.8	32.2	2.6	7.5%	15	0	14	0	0.7%	0.0%	
			UNKNOWN	W3/F00 / HZ (2)	93.4	93.1	0.3	0.3%	71	10	71	10	0.0%	0.0%	
R2		RESIDENTIAL	UNKNOWN	W2/F00	36.2	32.8	3.4	9.4%	11	0	10	0	9.1%	0.0%	
			UNKNOWN	W4/F00 / HZ (2)	85.2	84.9	0.3	0.4%	44	4	44	4	0.0%	0.0%	
			UNKNOWN	W5/F00 / HZ (2)	83.7	83.4	0.3	0.4%	39	2	39	2	0.0%	0.0%	
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37	34	3	8.1%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W2/F01	36.7	33.8	2.9	7.9%	N/A	N/A	N/A	N/A	N/A	N/A	
			UNKNOWN	W4/F01	31.6	31.1	0.5	1.6%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W3/F01	36.1	33.4	2.7	7.5%	N/A	N/A	N/A	N/A	N/A	N/A	
59 LARCHFIELD ROAD (CONTINUED)															
F02	R1	RESIDENTIAL	UNKNOWN	W1/F02 / INC (2)	84.5	83.1	1.4	1.7%	N/A	N/A	N/A	N/A	N/A	N/A	
61 LARCHFIELD ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	14	12.9	1.1	7.9%	N/A	N/A	N/A	N/A	N/A	N/A	
R2		RESIDENTIAL	UNKNOWN	W3/F00	36.2	33.1	3.1	8.6%	N/A	N/A	N/A	N/A	N/A	N/A	
R3		RESIDENTIAL	UNKNOWN	W2/F00	15.4	14.7	0.7	4.5%	N/A	N/A	N/A	N/A	N/A	N/A	
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	30.7	28.8	1.9	6.2%	N/A	N/A	N/A	N/A	N/A	N/A	
R2		RESIDENTIAL	UNKNOWN	W3/F01 / INC (2)	89.8	89.3	0.5	0.6%	80	18	80	18	0.0%	0.0%	
			UNKNOWN	W4/F01	37.4	34	3.4	9.1%	18	2	18	2	0.0%	0.0%	
			UNKNOWN	W5/F01 / INC (2)	90	89.6	0.4	0.4%	90	27	90	27	0.0%	0.0%	
R3		RESIDENTIAL	UNKNOWN	W2/F01 / INC (2)	88.7	88.3	0.4	0.5%	79	2	79	2	0.0%	0.0%	
			UNKNOWN	W6/F01	33.7	33.2	0.5	1.5%	61	19	61	19	0.0%	0.0%	
			UNKNOWN	W7/F01	32.1	31.5	0.6	1.9%	59	17	59	17	0.0%	0.0%	
63 LARCHFIELD ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	36.8	34	2.8	7.6%	19	2	18	2	5.3%	0.0%	

(1) KITCHEN SMALLER THAN 13m2

(2) INC/HZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)				APSH (WINDOW)										
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX		PR		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			UNKNOWN	W2/F00	26.4	26	0.4	15%	39	2	38	2	2.6%	0.0%
			UNKNOWN	W4/F00 / HZ (2)	77.9	77.9	0	0.0%	44	5	44	5	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W3/F00	22.3	20.4	1.9	8.5%	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.7	34.3	2.4	6.5%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W2/F01	36.9	34.4	2.5	6.8%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W4/F01	31.4	31.3	0.1	0.3%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W3/F01	37	34.3	2.7	7.3%	N/A	N/A	N/A	N/A	N/A	N/A
65 LARCHFIELD ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	21.1	20	1.1	5.2%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W2/F00	37.8	34.6	3.2	8.5%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W3/F00	20.6	18.2	2.4	11.7%	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.7	35.7	3	7.8%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.7	35.8	2.9	7.5%	N/A	N/A	N/A	N/A	N/A	N/A
65 LARCHFIELD ROAD (CONTINUED)														
	R3	RESIDENTIAL	UNKNOWN	W3/F01	27	25.4	1.6	5.9%	80	18	80	18	0.0%	0.0%
			UNKNOWN	W4/F01 / INC (2)	83.7	83.4	0.3	0.4%	80	18	80	18	0.0%	0.0%
67 LARCHFIELD ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	27.5	25.9	1.6	5.8%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	36.9	34.2	2.7	7.3%	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W3/F00	24.3	23.1	1.2	4.9%	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	35.6	33.7	1.9	5.3%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W5/F01 / INC (2)	89.6	89.3	0.3	0.3%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	37.5	35.3	2.2	5.9%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F01	37.8	35.5	2.3	6.1%	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W6/F01 / INC (2)	91	90	1	1.1%	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W4/F01	38.2	35.8	2.4	6.3%	N/A	N/A	N/A	N/A	N/A	N/A
69 LARCHFIELD ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.9	33.3	1.6	4.6%	17	0	17	0	0.0%	0.0%
			UNKNOWN	W2/F00	21.3	21.1	0.2	0.9%	25	1	25	1	0.0%	0.0%
			UNKNOWN	W3/F00 / INC (2)	74.9	73.7	1.2	1.6%	28	4	28	4	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W4/F00	32.6	30.8	1.8	5.5%	N/A	N/A	N/A	N/A	N/A	N/A

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

VSC (WINDOW)				APSH (WINDOW)											
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX		PR.		LOSS %		
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.4	36	2.4	6.2%	N/A	N/A	N/A	N/A	N/A	N/A	
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.4	36	2.4	6.2%	17	17	17	17	17	17	
			UNKNOWN	W3/F01	38.4	36.1	2.3	6.0%	18	2	18	2	0.0%	0.0%	
			UNKNOWN	W4/F01	32	31.7	0.3	0.9%	60	18	60	18	0.0%	0.0%	
16 FRIARSLAND ROAD															
B01	R1	RESIDENTIAL	UNKNOWN	W1/B01	27.1	25	2.1	7.7%	31	1	29	0	6.5%	100.0%	
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	35.9	32.3	3.6	10.0%	52	18	48	15	7.7%	16.7%	
			UNKNOWN	W2/F00 / INC (2)	85.6	83.9	1.7	2.0%	73	24	69	21	5.5%	12.5%	
			UNKNOWN	W3/F00 / INC (2)	85.8	84.1	1.7	2.0%	73	24	69	21	5.5%	12.5%	
	R2	RESIDENTIAL	UNKNOWN	W4/F00	36.4	32.2	4.2	11.5%	51	16	47	13	7.8%	18.8%	
16 FRIARSLAND ROAD (CONTINUED)															
			UNKNOWN	W5/F00 / INC (2)	75.1	74.6	0.5	0.7%	73	21	69	18	5.5%	14.3%	
R3		RESIDENTIAL	UNKNOWN	W6/F00 / INC (2)	41.5	41.1	0.4	1.0%	49	10	45	7	8.2%	30.0%	
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	28	24.8	3.2	11.4%	37	13	34	11	8.1%	15.4%	
	R2	RESIDENTIAL	UNKNOWN	W2/F01	28	24.8	3.2	11.4%	37	13	34	11	8.1%	15.4%	
	R3	RESIDENTIAL	UNKNOWN	W3/F01	28.3	25	3.3	11.7%	41	17	38	15	7.3%	11.8%	
	R4	RESIDENTIAL	UNKNOWN	W4/F01	26.5	24.2	2.3	8.7%	37	9	35	7	5.4%	22.2%	
F02	R1	RESIDENTIAL	UNKNOWN	W1/F02 / INC (2)	83.4	82.1	1.3	1.6%	85	27	83	25	2.4%	7.4%	
12 FRIARSLAND ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	35.9	32.6	3.3	9.2%	57	20	52	17	8.8%	15.0%	
			UNKNOWN	W2/F00 / HZ (2)	80.5	80.2	0.3	0.4%	72	23	70	22	2.8%	4.3%	
R2		RESIDENTIAL	UNKNOWN	W3/F00	38.6	34.6	4	10.4%	58	20	54	18	6.9%	10.0%	
			UNKNOWN	W4/F00	31.7	28.6	3.1	9.8%	42	4	37	2	11.9%	50.0%	
			UNKNOWN	W5/F00 / HZ (2)	82.8	82.5	0.3	0.4%	79	22	77	21	2.5%	4.5%	
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.6	31.4	3.2	9.2%	46	16	44	15	4.3%	6.3%	
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.3	30.3	3	9.0%	45	16	43	15	4.4%	6.3%	
	R3	RESIDENTIAL	UNKNOWN	W3/F01	33.2	30.2	3	9.0%	44	15	42	14	4.5%	6.7%	
F02	R1	RESIDENTIAL	UNKNOWN	W1/F02 / INC (2)	82.3	80.7	1.6	1.9%	82	27	81	26	1.2%	3.7%	
			UNKNOWN	W2/F02 / INC (2)	83.4	81.9	1.5	1.8%	82	27	81	26	1.2%	3.7%	
14 FRIARSLAND ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	38.4	34.1	4.3	11.2%	57	19	53	16	7.0%	15.8%	

(1) KITCHEN SMALLER THAN 13m2

(2) INC/HZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)					
					EX. %	PR. %	LOSS	LOSS %	EX.		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			UNKNOWN	W5/F00 / INC (2)	89	68.2	0.8	1.2%	60	18	58	17	3.3%	5.6%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	36.7	32.5	4.2	11.4%	55	17	50	14	9.1%	17.6%
			UNKNOWN	W3/F00	34.5	30.7	3.8	11.0%	43	8	39	6	9.3%	25.0%
			UNKNOWN	W4/F00	29.4	25.5	3.9	13.3%	25	4	21	2	16.0%	50.0%
F01			UNKNOWN	W6/F00 / INC (2)	68.3	67.5	0.8	1.2%	60	18	58	17	3.3%	5.6%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.7	31.3	3.4	9.8%	46	16	43	14	8.5%	12.5%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	33.3	30.1	3.2	9.6%	45	16	42	14	6.7%	12.5%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	33.3	30.1	3.2	9.6%	45	16	42	14	6.7%	12.5%
14 FRIARSLAND ROAD (CONTINUED)														
F02			UNKNOWN	W4/F01	34.6	31.4	3.2	9.2%	46	16	43	14	6.5%	12.5%
	R1	RESIDENTIAL	UNKNOWN	W1/F02 / INC (2)	84.1	82.4	1.7	2.0%	81	26	79	24	2.5%	7.7%
	R2	RESIDENTIAL	UNKNOWN	W2/F02 / INC (2)	83.9	82.3	1.6	1.9%	79	24	77	22	2.5%	8.3%
	R3	RESIDENTIAL	UNKNOWN	W3/F02 / INC (2)	83.4	81.8	1.6	1.9%	76	24	74	22	2.6%	8.3%
18 FRIARSLAND ROAD														
F00			UNKNOWN	W1/F00	27.8	25.3	2.5	9.0%	48	19	44	15	8.3%	21.1%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.5	31	3.5	10.1%	52	18	47	14	9.6%	22.2%
			UNKNOWN	W3/F00	31	28.1	2.9	9.4%	37	4	34	2	8.1%	50.0%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	26	22.8	3.2	12.3%	34	13	31	11	8.8%	15.4%
F01			UNKNOWN	W2/F01	25.7	22.5	3.2	12.5%	34	13	31	11	8.8%	15.4%
	R3	RESIDENTIAL	UNKNOWN	W3/F01	28	24.8	3.2	11.4%	37	13	34	11	8.1%	15.4%
22 FRIARSLAND ROAD														
F00			UNKNOWN	W1/F00	30.7	28.8	1.9	6.2%	39	5	37	4	5.1%	20.0%
			UNKNOWN	W2/F00 / INC (2)	94.5	94.3	0.2	0.2%	91	9	87	7	1.5%	60%
			UNKNOWN	W3/F00	38.6	35.1	3.5	9.1%	58	20	55	18	5.2%	10.0%
			UNKNOWN	W4/F00 / INC (2)	90.4	89.9	0.5	0.6%	85	5	84	5	1.5%	60%
F01			UNKNOWN	W5/F00 / INC (2)	76.9	76.5	0.4	0.5%	72	2	71	2	4.5%	60%
			UNKNOWN	W6/F00 / INC (2)	64.2	63.6	0.6	0.9%	65	23	64	22	1.5%	4.3%
	R3	RESIDENTIAL	UNKNOWN	W7/F00	31.1	28.2	2.9	9.3%	43	7	40	5	7.0%	28.6%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.7	31.7	3	8.6%	46	16	45	15	2.2%	6.3%
F02			UNKNOWN	W2/F01	34.6	31.7	2.9	8.4%	46	16	45	15	2.2%	6.3%
	R1	RESIDENTIAL	UNKNOWN	W1/F02 / INC (2)	80.4	78.9	1.5	1.9%	60	14	59	13	1.7%	7.1%

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR			ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)				
							EX %	PR %	LOSS	LOSS %	EX	PR	LOSS	LOSS %	
20 FRIARSLAND ROAD															
B01	R1	RESIDENTIAL	UNKNOWN	W1/B01	33.6	31.3	2.3	6.8%	47	9	45	8	4.3%	11.1%	
					29.1	27.5	1.6	5.5%	35	1	33	0	5.7%	100.0%	
					9.6	9.2	0.4	4.2%	7	0	7	0	0.0%	0.0%	
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	29.7	26.6	3.1	10.4%	27	6	24	4	11.1%	33.3%	
20 FRIARSLAND ROAD (CONTINUED)															
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34.6	31.6	3	8.7%	46	16	44	14	4.3%	12.5%	
					33.2	30.3	2.9	8.7%	45	16	43	14	4.4%	12.5%	
					33.1	30.1	3	9.1%	45	16	43	14	4.4%	12.5%	
F02	R1	RESIDENTIAL	UNKNOWN	W1/F02	39.2	36.9	2.3	5.9%	58	20	57	19	1.7%	5.0%	
					82.4	82.1	0.3	0.4%	94	30	92	28	2.1%	6.7%	
71 LARCHFIELD ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.1	32.7	0.4	1.2%	56	12	56	12	0.0%	0.0%	
					23.2	22.9	0.3	1.3%	27	3	27	3	0.0%	0.0%	
					30.5	29	1.5	4.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.4	34.2	2.2	6.0%	N/A	N/A	N/A	N/A	0.0%	0.0%	
					35.8	33.6	2.2	6.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
					29.4	29	0.4	1.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F02	R2	RESIDENTIAL	UNKNOWN	W2/F02	36.9	34.7	2.2	6.0%	N/A	N/A	N/A	N/A	N/A	N/A	
73 LARCHFIELD ROAD															
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.3	31.9	1.4	4.2%	N/A	N/A	N/A	N/A	N/A	N/A	

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)				APSH (WINDOW)												
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX %	PR %	LOSS	LOSS %	EX				PR		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F01	R2	RESIDENTIAL	UNKNOWN	W2/F00	36.9	35.1	1.8	4.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.8	34.7	2.1	5.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
73 LARCHFIELD ROAD (CONTINUED)																
	R2	RESIDENTIAL	UNKNOWN	W2/F01	35.8	33.7	2.1	5.9%	15	15	2	0.0%	15	15	2	0.0%
			UNKNOWN	W3/F01	35.8	33.7	2.1	5.9%	15	15	2	0.0%	15	15	2	0.0%
			UNKNOWN	W4/F01	28.5	28.3	0.2	0.7%	53	15	53	0.0%	15	53	15	0.0%
75 LARCHFIELD ROAD																
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	37.4	35.3	2.1	5.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	30.7	29	1.7	5.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.3	36.3	2	5.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W2/F01	38.3	36.3	2	5.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W4/F01	32.1	31.6	0.5	1.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W3/F01	38.3	36.3	2	5.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F02	R1	RESIDENTIAL	UNKNOWN	W1/F02 / INC (2)	86.4	85.4	1	1.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W2/F02 / INC (2)	87.1	86.1	1	1.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F02 / INC (2)	87.1	86.8	0.3	0.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
77 LARCHFIELD ROAD																
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	37.9	36.2	1.7	4.5%	18	2	18	0.0%	2	18	2	0.0%
			UNKNOWN	W2/F00	37.4	36	1.4	3.7%	17		17	0.0%		17	1	0.0%
			UNKNOWN	W3/F00	37.8	36.2	1.6	4.2%	18	2	18	0.0%	2	18	2	0.0%
			UNKNOWN	W5/F00 / INC (2)	58.7	57.9	0.8	1.4%	15	0	15	0.0%	0	15	0	0.0%
			UNKNOWN	W6/F00 / INC (2)	62	61.8	0.2	0.3%	45	5	45	0.0%	5	45	5	0.0%
			UNKNOWN	W7/F00	38.6	36.9	1.7	4.4%	19		19	0.0%		19		0.0%
	R2	RESIDENTIAL	UNKNOWN	W4/F00	38.2	36.3	1.9	5.0%	18	2	18	0.0%	2	18	2	0.0%
			UNKNOWN	W8/F00 / INC (2)	61	60.2	0.8	1.3%	15	0	15	0.0%	0	15	0	0.0%
			UNKNOWN	W9/F00 / INC (2)	64.5	64.3	0.2	0.3%	51	8	51	0.0%	8	51	8	0.0%
			UNKNOWN	W10/F00	39.1	37	2.1	5.4%	19	0	19	0.0%	0	19	0	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.3	36.4	1.9	5.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.3	36.4	1.9	5.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			UNKNOWN	W3/F01 / INC (2)	85.9	84.9	1	1.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R3	RESIDENTIAL	UNKNOWN	W4/F01	38.3	36.4	1.9	5.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
77 LARCHFIELD ROAD (CONTINUED)																

(1) KITCHEN SMALLER THAN 13m2

(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)			
					EX. %	PR. %	LOSS	LOSS %	EX. ANNUAL	PR. ANNUAL	LOSS ANNUAL	LOSS %
F02	R1	RESIDENTIAL	UNKNOWN	W1/F02 / INC (2)	82.6	81.7	0.9	1.1%	57	59	0.6%	0.6%
			UNKNOWN	W2/F02	39.4	37.9	1.5	3.8%	15	14	0.5%	0.5%
			UNKNOWN	W3/F02 / INC (2)	87.7	87.6	0.1	0.1%	89	27	0.0%	0.0%
			UNKNOWN	W4/F02 / INC (2)	87.7	87.7	0	0.0%	93	29	0.0%	0.0%
			UNKNOWN	W5/F02 / INC (2)	86.8	86.8	0	0.0%	93	29	0.0%	0.0%

6 FRIARSLAND ROAD												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34	32.8	1.2	3.5%	55	20	53	0.0%
			UNKNOWN	W2/F00	24.9	24.9	0	0.0%	65	21	65	0.0%
			UNKNOWN	W3/F00	18.3	18.3	0	0.0%	48	15	48	0.0%
			UNKNOWN	W5/F00 / INC (2)	92.4	92.3	0.1	0.1%	88	27	87	0.0%
			UNKNOWN	W6/F00 / INC (2)	90	89.9	0.1	0.1%	82	81	26	1.2%
			UNKNOWN	W7/F00 / INC (2)	77.2	77.1	0.1	0.1%	70	22	69	0.0%
	R2	RESIDENTIAL	UNKNOWN	W4/F00	22	21.8	0.2	0.9%	36	8	36	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	36.8	34.8	2	5.4%	51	17	50	0.0%
			UNKNOWN	W2/F01	36.6	34.8	1.8	4.9%	51	17	50	0.0%
	R2	RESIDENTIAL	UNKNOWN	W3/F01	36.7	34.8	1.9	5.2%	51	16	50	0.0%

4 FRIARSLAND ROAD												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	17.2	17.2	0	0.0%	44	8	44	0.0%
			UNKNOWN	W2/F00	36.5	34.6	1.9	5.2%	53	16	51	3.8%
	R2	RESIDENTIAL	UNKNOWN	W3/F00	19.5	18.1	1.4	7.2%	12	0	10	0.0%
			UNKNOWN	W4/F00	22.1	21.3	0.8	3.6%	16	2	15	6.3%
F01			UNKNOWN	W5/F00	26.1	25	1.1	4.2%	20	2	19	0.0%
	R3	RESIDENTIAL	UNKNOWN	W6/F00	20.4	20.3	0.1	0.5%	38	9	38	0.0%
			UNKNOWN	W7/F00	20.6	20.6	0	0.0%	53	14	53	0.0%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	38.2	36.4	1.8	4.7%	56	19	55	1.8%
			UNKNOWN	W3/F01	33.1	33.1	0	0.0%	82	26	82	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	27.6	25.8	1.8	6.5%	26	2	25	3.8%
	R1	RESIDENTIAL	UNKNOWN	W1/F02	39	37.8	1.2	3.1%	57	20	57	0.0%

10 FRIARSLAND ROAD												
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	22.5	21	1.5	6.7%	42	11	40	18.2%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	23.7	23.7	0	0.0%	59	23	57	3.4%

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)					
					EX. %	PR. %	LOSS	LOSS %	EX.	ANNUAL		PR.		LOSS %
										ANNUAL	WINTER	ANNUAL	WINTER	
F01			UNKNOWN	W3/F00	35.3	32.9	2.4	6.8%	57	20	53	18	70%	10.0%
	R1	RESIDENTIAL	UNKNOWN	W1/F01	29.6	28.4	1.2	4.1%	47	18	46	17	21%	56%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	38.9	36.2	2.7	6.9%	58	20	56	19	3.4%	50%
			UNKNOWN	W3/F01	38.9	36.1	2.8	7.2%	58	20	56	19	3.4%	50%
8 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.2	30.8	2.4	7.2%	50	12	48	12	4.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	20.5	20.5	0	0.0%	52	20	52	20	0.0%	0.0%
			UNKNOWN	W3/F00	36.7	34.6	2.1	5.7%	58	20	56	19	3.4%	50%
			UNKNOWN	W4/F00 / HZ (2)	54.5	54.2	0.3	0.6%	61	21	59	20	3.3%	48%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	37.6	35.7	1.9	5.1%	54	19	53	19	1.9%	0.0%
			UNKNOWN	W2/F01	37.3	35.3	2	5.4%	53	18	52	18	1.9%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W3/F01	37.2	35.2	2	5.4%	53	18	52	18	1.9%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W4/F01	37	34.9	2.1	5.7%	53	18	51	17	3.8%	56%
39 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	36.5	36.2	0.3	0.8%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	36.2	35.9	0.3	0.8%	N/A	N/A	N/A	N/A	N/A	N/A
37 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	36.6	36.3	0.3	0.8%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	36.3	35.9	0.4	1.1%	N/A	N/A	N/A	N/A	N/A	N/A
35 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	36.3	36	0.3	0.8%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	36	35.7	0.3	0.8%	N/A	N/A	N/A	N/A	N/A	N/A
33 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	36	35.5	0.5	1.4%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	35.9	35.3	0.6	1.7%	N/A	N/A	N/A	N/A	N/A	N/A
31 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	35.9	35.2	0.7	1.9%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F00	35.9	35.1	0.8	2.2%	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC/ VZ = SKY COMPONENT (INC/CLUD-HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

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

29 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	35.8	35.1	0.7	2.0%	47	14	46	13	21%	71%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	35.6	35	0.6	1.7%	44	13	44	13	0.0%	0.0%

41 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	20.9	20.9	0	0.0%	2	0	2	0	0.0%	0.0%
			UNKNOWN	W2/F00	37.1	36.8	0.3	0.8%	25	7	25	7	5.7%	56.6%
			UNKNOWN	W3/F00	7.1	6.9	0.2	2.8%	16	3	14	1	12.5%	66.7%
	R2	RESIDENTIAL	UNKNOWN	W4/F00	33.8	33.8	0	0.0%	15	5	14	4	6.7%	50.0%
			UNKNOWN	W5/F00	36.4	36.2	0.2	0.5%	39	10	37	8	5.1%	20.0%
			UNKNOWN	W6/F00	32.8	32.4	0.4	1.2%	50	14	48	12	4.0%	14.3%
	R3	RESIDENTIAL	UNKNOWN	W7/F00	34.9	34.7	0.2	0.6%	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN	W8/F00	35.6	35.3	0.3	0.8%	N/A	N/A	N/A	N/A	N/A	N/A
	R6	RESIDENTIAL	UNKNOWN	W10/F00	31.3	31.3	0	0.0%	15	2	14	1	6.7%	50.0%
			UNKNOWN	W11/F00	36	35.9	0.1	0.3%	25	5	24	5	4.5%	40.0%
			UNKNOWN	W12/F00	27.4	27.3	0.1	0.4%	41	8	40	7	2.4%	12.5%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01 / INC (2)	88.9	88.6	0.3	0.3%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01 / INC (2)	88.9	88.6	0.3	0.3%	N/A	N/A	N/A	N/A	N/A	N/A

19 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.5	34.3	0.2	0.6%	51	17	51	17	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.6	34.4	0.2	0.6%	48	14	48	14	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F00	19.9	19.6	0.3	1.5%	23	5	22	4	4.3%	20.0%

17 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.9	34.4	0.5	1.4%	52	17	51	16	1.9%	5.9%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	35	34.6	0.4	1.1%	49	14	49	14	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F00	34.3	34	0.3	0.9%	52	17	52	17	0.0%	0.0%
			UNKNOWN	W4/F00	33.1	32.7	0.4	1.2%	47	15	47	15	0.0%	0.0%
			UNKNOWN	W5/F00	34.5	34.2	0.3	0.9%	55	19	55	19	0.0%	0.0%

21 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.6	34.5	0.1	0.3%	54	17	54	17	0.0%	0.0%

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

VSC (WINDOW)					APSH (WINDOW)									
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. ANNUAL	PR. ANNUAL	WINTER	ANNUAL	WINTER	LOSS %
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.6	34.5	0.1	0.3%	49	15	15	49	0.0%	0.0%
23 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.5	34.4	0.1	0.3%	52	17	17	51	1.9%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.4	34.3	0.1	0.3%	48	14	14	48	0.0%	0.0%
25 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	34.8	34.5	0.3	0.9%	52	17	17	51	1.9%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.6	34.5	0.1	0.3%	49	15	15	49	0.0%	0.0%
27 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	35	34.6	0.4	1.1%	50	15	14	49	2.0%	6.7%
	R2	RESIDENTIAL	UNKNOWN	W2/F00	34.9	34.6	0.3	0.9%	48	14	14	48	0.0%	0.0%
1 FRIARSLAND ROAD														
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.7	33.7	0	0.0%	24	5	5	24	0.0%	0.0%
			UNKNOWN	W2/F00	22.4	22.4	0	0.0%	29	5	5	29	0.0%	0.0%
	R2	RESIDENTIAL	UNKNOWN	W3/F00	32.6	32.6	0	0.0%	14	0	0	14	0.0%	0.0%
			UNKNOWN	W4/F00	32.1	32.1	0	0.0%	50	14	14	50	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W5/F00	18.8	18.8	0	0.0%	23	5	5	23	0.0%	0.0%
			UNKNOWN	W6/F00	5.6	5.6	0	0.0%	6	3	3	6	0.0%	0.0%
1 FRIARSLAND ROAD (CONTINUED)														
	R4	RESIDENTIAL	UNKNOWN	W7/F00	35	35	0	0.0%	64	23	23	64	0.0%	0.0%
			UNKNOWN	W8/F00	34.7	34.7	0	0.0%	80	27	27	80	0.0%	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	34	33.8	0.2	0.6%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F01	34	33.9	0.1	0.3%						
			UNKNOWN	W3/F01	32.2	32	0.2	0.6%	52	16	16	52	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W4/F01	14.9	14.7	0.2	1.3%	18	3	3	18	0.0%	0.0%
	R4	RESIDENTIAL	UNKNOWN	W5/F01	33.7	33.6	0.1	0.3%	57	21	21	57	0.0%	0.0%
	R5	RESIDENTIAL	UNKNOWN	W6/F01	33.7	33.6	0.1	0.3%	57	22	22	57	0.0%	0.0%
			UNKNOWN	W7/F01	33.5	33.5	0	0.0%	72	28	28	72	0.0%	0.0%
F02	R1	RESIDENTIAL	UNKNOWN	W1/F02	35.6	35.1	0.5	1.4%	N/A	N/A	N/A	N/A	N/A	N/A
	R2	RESIDENTIAL	UNKNOWN	W2/F02 / INC (2)	70.6	70.6	0	0.0%	71	21	21	71	0.0%	0.0%
	R3	RESIDENTIAL	UNKNOWN	W3/F02 / INC (2)	85.6	85.3	0.3	0.4%	87	27	27	87	0.0%	0.0%

FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	VSC (WINDOW)				APSH (WINDOW)					
					EX %	PR. %	LOSS %	LOSS %	EX		PR.		LOSS %	
									ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			UNKNOWN	W4/F02 / INC (2)	85.7	85.4	0.3	0.4%	87	27	87	27	0.0%	0.0%

15 FRIARSLAND ROAD													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.2	32.7	0.5	1.5%	34	7	34	7	0.0%
			UNKNOWN	W2/F00	36	35.5	0.5	1.4%	56	18	56	18	0.0%
			UNKNOWN	W3/F00	31.5	31.2	0.3	1.0%	55	18	55	18	0.0%
F01	R1	RESIDENTIAL	UNKNOWN	W1/F01	31.2	30.4	0.8	2.6%	55	18	55	18	0.0%
			UNKNOWN	W2/F01	37.5	36.7	0.8	2.1%	57	19	57	19	0.0%
			UNKNOWN	W3/F01	29.7	29.2	0.5	1.7%	50	17	49	16	2.0%
	R2	RESIDENTIAL	UNKNOWN	W4/F01	32.9	32	0.9	2.7%	47	17	46	16	2.1%
			UNKNOWN	W5/F01	24.2	24.1	0.1	0.4%	56	16	56	16	0.0%
			UNKNOWN	W6/F01	17	16.8	0.2	1.2%	24	2	24	2	0.0%
	R3	RESIDENTIAL	UNKNOWN	W7/F01	35.7	35.7	0	0.0%	57	19	57	19	0.0%
			UNKNOWN										
			UNKNOWN										

11 FRIARSLAND ROAD													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	36	35.7	0.3	0.8%	54	18	54	18	0.0%
			UNKNOWN	W1/F01	37.7	37.1	0.6	1.6%	57	20	56	19	1.8%
			UNKNOWN	W2/F01	34.6	34.1	0.5	1.4%	49	16	49	16	0.0%
11 FRIARSLAND ROAD (CONTINUED)													
			UNKNOWN	W3/F01	19.6	19.6	0	0.0%	57	4	57	4	0.0%

13 FRIARSLAND ROAD													
F00	R2	RESIDENTIAL	UNKNOWN	W2/F00	35.9	35.5	0.4	1.1%	56	19	55	18	1.8%
			UNKNOWN	W1/F01	24.9	24.7	0.2	0.8%	57	19	56	18	1.8%
			UNKNOWN	W2/F01	34.6	33.7	0.9	2.6%	48	15	48	15	0.0%
	R2	RESIDENTIAL	UNKNOWN	W3/F01	37.7	37	0.7	1.9%	57	20	56	19	1.8%

7 FRIARSLAND ROAD													
F00	R1	RESIDENTIAL	UNKNOWN	W1/F00	33.7	33.7	0	0.0%	49	15	49	15	0.0%
			UNKNOWN	W2/F00	28.7	28.6	0.1	0.3%	48	15	48	15	0.0%
			UNKNOWN	W4/F00	26	25.9	0.1	0.4%	24	1	24	1	0.0%
F01	R3	RESIDENTIAL	UNKNOWN	W5/F00 / HZ (2)	67.5	67.5	0	0.0%	68	7	68	7	0.0%
			UNKNOWN	W1/F01	32.6	32.2	0.4	1.2%	45	15	45	15	0.0%
			UNKNOWN	W2/F01	22.3	22.1	0.2	0.9%	39	13	39	13	0.0%

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

VSC (WINDOW)										APSH (WINDOW)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	WINDOW	EX. %	PR. %	LOSS	LOSS %		EX		PR.		LOSS %	
										ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R2	RESIDENTIAL	UNKNOWN	W3/F01	25.7	25.3	0.4	16%		38	14	38	14	0.0%	0.0%
			UNKNOWN	W4/F01	29.7	29.7	0	0.0%		76	18	76	18	0.0%	0.0%
9 FRIARSLAND ROAD															
	F00	R2	RESIDENTIAL	UNKNOWN	29.8	29.7	0.1	0.3%		33	6	33	6	0.0%	0.0%
			UNKNOWN	W3/F00	33.7	33.6	0.1	0.3%		51	15	51	15	0.0%	0.0%
	F01	R1	RESIDENTIAL	UNKNOWN	26.3	25.8	0.5	1.9%		36	12	35	11	2.8%	8.3%
	R2	RESIDENTIAL	UNKNOWN	W2/F01	26.2	25.7	0.5	1.9%		37	13	36	12	2.7%	7.7%
			UNKNOWN	W3/F01	23	22.5	0.5	2.2%		35	9	34	9	2.9%	11.1%
			UNKNOWN	W4/F01	32.7	32.2	0.5	1.5%		46	16	45	15	2.2%	6.3%
			UNKNOWN	W5/F01 / INC (2)	84	83.3	0.7	0.8%		77	23	77	23	0.0%	0.0%
			UNKNOWN	W6/F01 / INC (2)	82.7	82	0.7	0.8%		69	25	69	25	0.0%	0.0%
5 FRIARSLAND ROAD															
	F00	R2	RESIDENTIAL	UNKNOWN	30.8	30.8	0	0.0%		35	8	34	7	2.9%	12.5%
5 FRIARSLAND ROAD (CONTINUED)															
			UNKNOWN	W3/F00	34.9	34.8	0.1	0.3%		56	19	55	18	1.8%	5.3%
			UNKNOWN	W4/F00	29.2	29.1	0.1	0.3%		49	15	49	15	0.0%	0.0%
	F01	R1	RESIDENTIAL	UNKNOWN	31.4	31.3	0.1	0.3%		11	6	11	6	0.0%	0.0%
			UNKNOWN	W2/F01	25.3	24.9	0.4	1.6%		36	12	35	11	2.8%	8.3%
	R2	RESIDENTIAL	UNKNOWN	W3/F01	23.7	23.3	0.4	1.7%		25	8	24	7	2.9%	12.5%
			UNKNOWN	W4/F01	34.1	33.7	0.4	1.2%		48	15	47	14	2.1%	6.7%
			UNKNOWN	W5/F01	23	22.8	0.2	0.9%		40	13	39	12	2.5%	7.7%
3 FRIARSLAND ROAD															
	F00	R1	RESIDENTIAL	UNKNOWN	29.7	29.6	0.1	0.3%		33	7	33	7	0.0%	0.0%
			UNKNOWN	W2/F00	34.8	34.7	0.1	0.3%		54	18	54	18	0.0%	0.0%
			UNKNOWN	W3/F00	29.9	29.9	0	0.0%		53	18	53	18	0.0%	0.0%
	F01	R1	RESIDENTIAL	UNKNOWN	23.4	23	0.4	1.7%		25	8	24	7	2.9%	12.5%
			UNKNOWN	W2/F01	34.1	33.7	0.4	1.2%		48	15	47	14	2.1%	6.7%
			UNKNOWN	W3/F01	23.1	22.8	0.3	1.3%		41	14	40	13	2.4%	7.1%
	R2	RESIDENTIAL	UNKNOWN	W4/F01	25.1	24.8	0.3	1.2%		39	15	39	15	0.0%	0.0%
			UNKNOWN	W5/F01	35.5	35.5	0	0.0%		86	28	86	28	0.0%	0.0%

(1) KITCHEN SMALLER THAN 13m2
(2) INC/VZ = SKY COMPONENT (INCLUDED HORIZONTAL WINDOWS)
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

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APPENDIX 05
**TRANSIENT OVERSHADOWING
STUDY**

1 ASSESSMENT SCENARIOS



Fig. 01: Existing scenario - Top view



Fig. 02: Proposed scenario - Top view



Fig. 03: Cumulative scenario - Top view

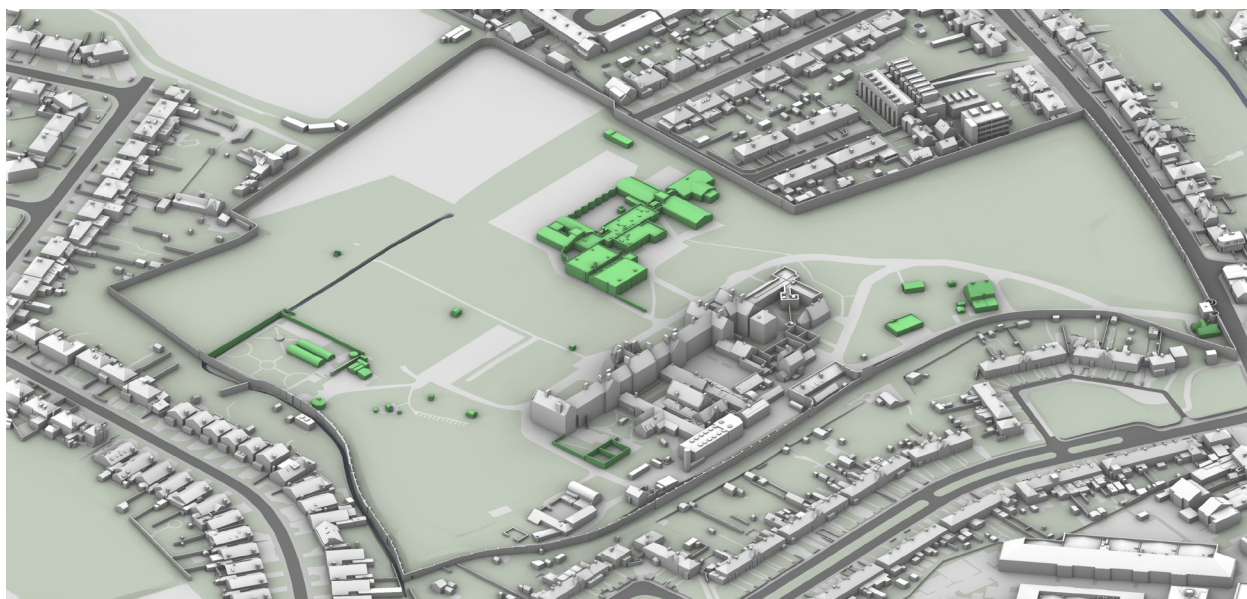


Fig. 04: Existing scenario - Perspective view

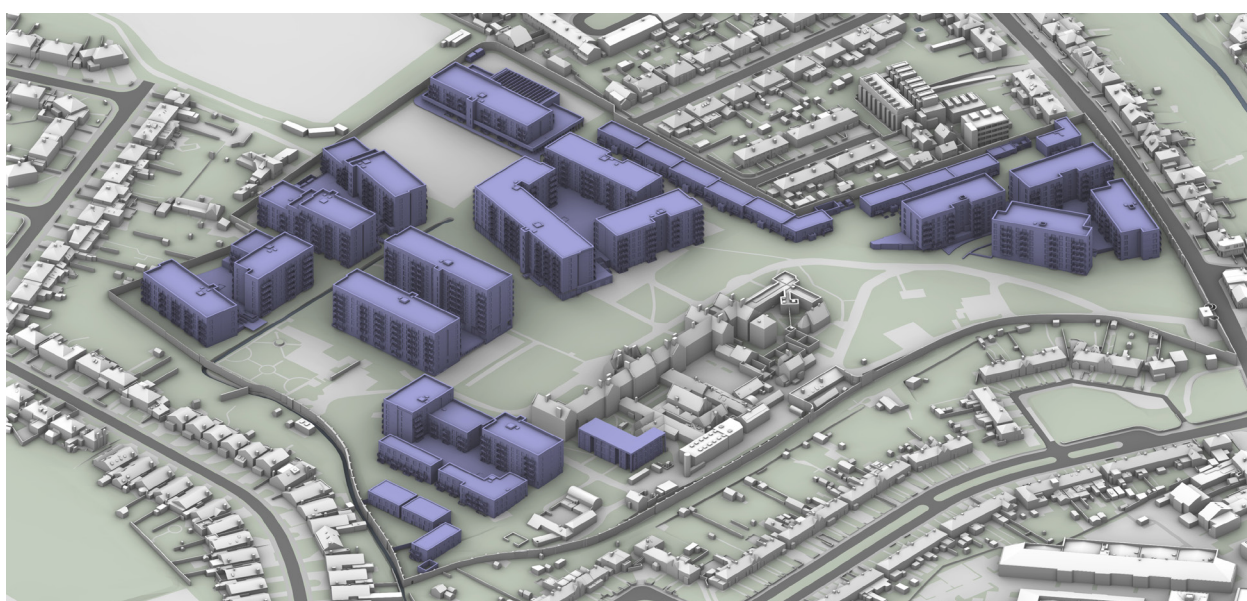


Fig. 05: Proposed scenario - Perspective view

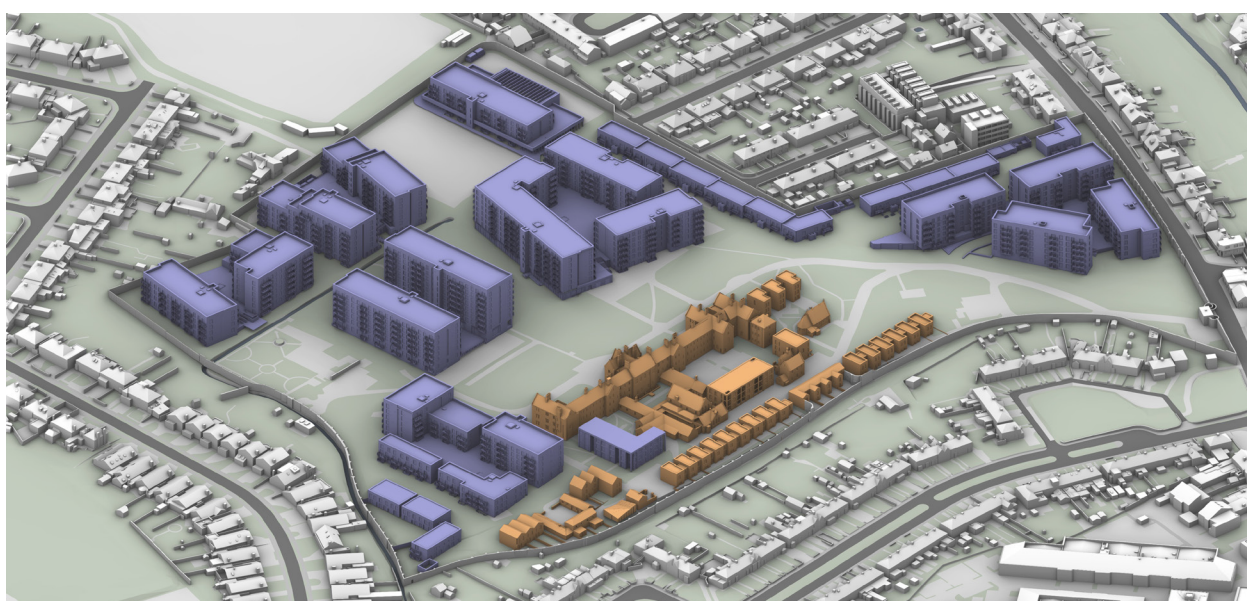


Fig. 06: Cumulative scenario - Perspective view

TRANSIENT OVERSHADOWING ASSESSMENT
21ST MARCH (08:00 - 11:00 GMT)

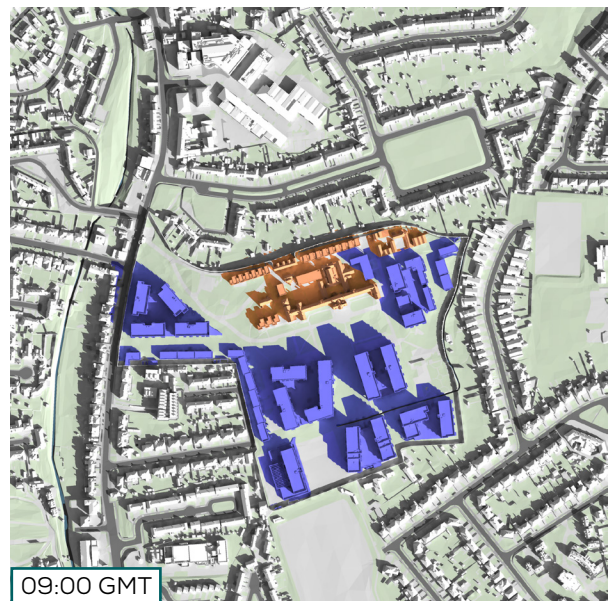
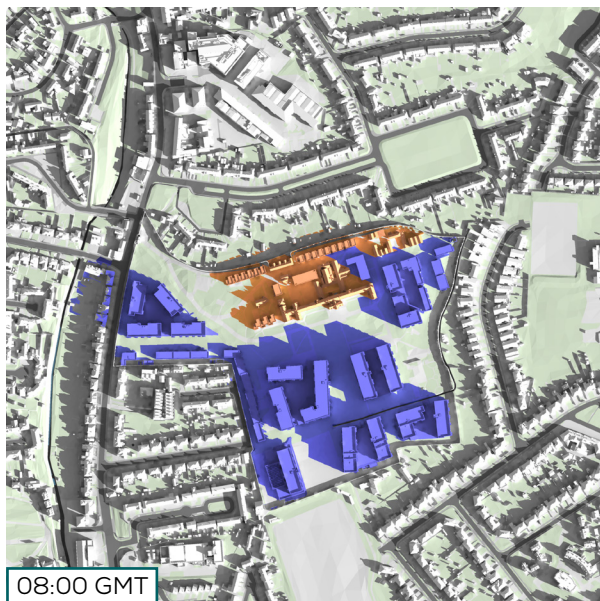
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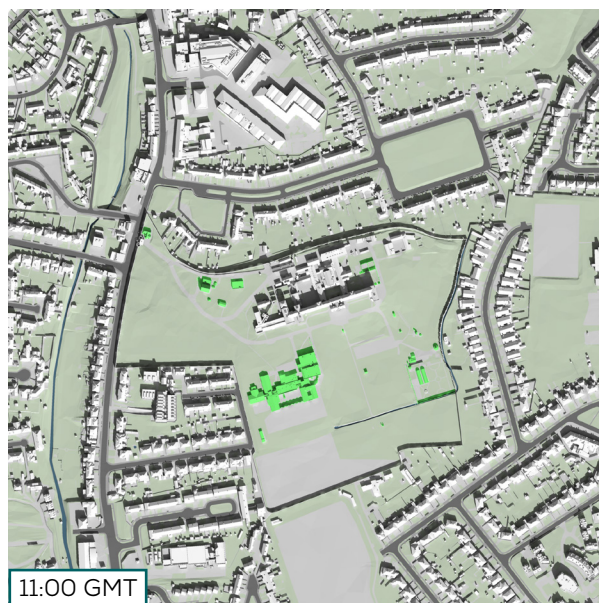
PROPOSED



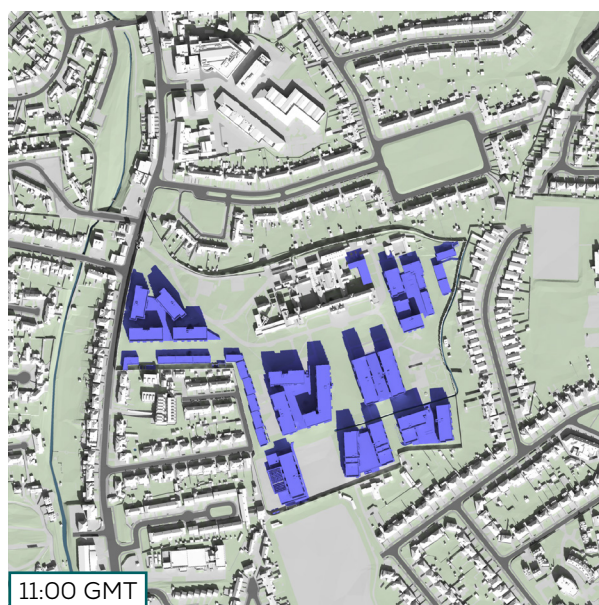
CUMULATIVE



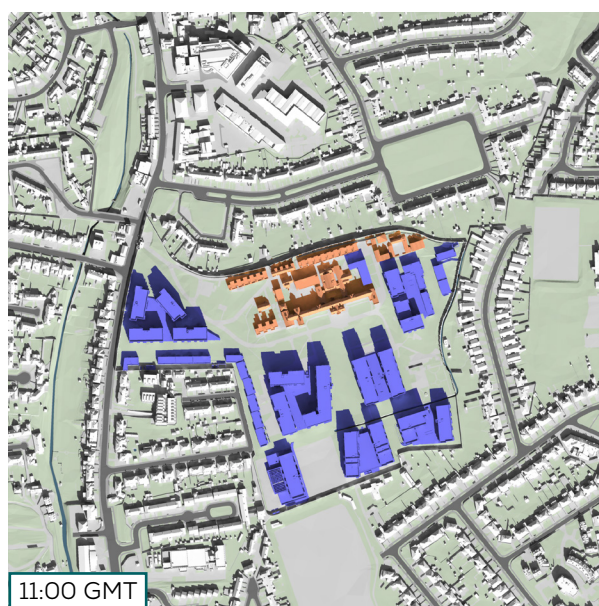
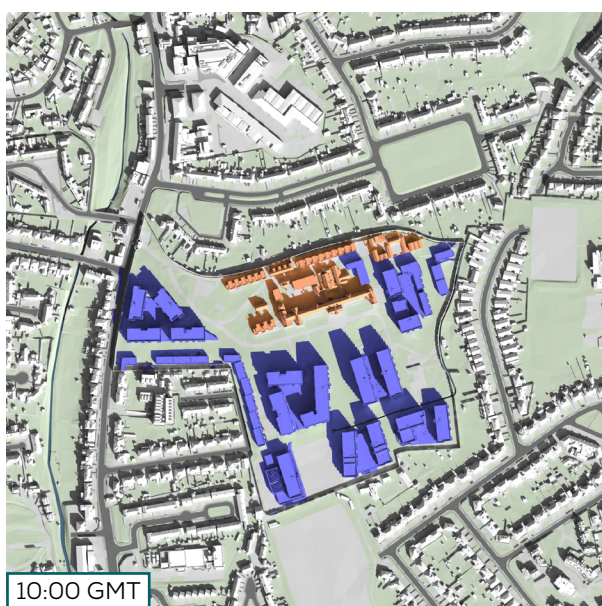
EXISTING



PROPOSED



CUMULATIVE



TRANSIENT OVERSHADOWING ASSESSMENT
21ST MARCH (12:00 - 15:00 GMT)

EXISTING



PROPOSED



CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE

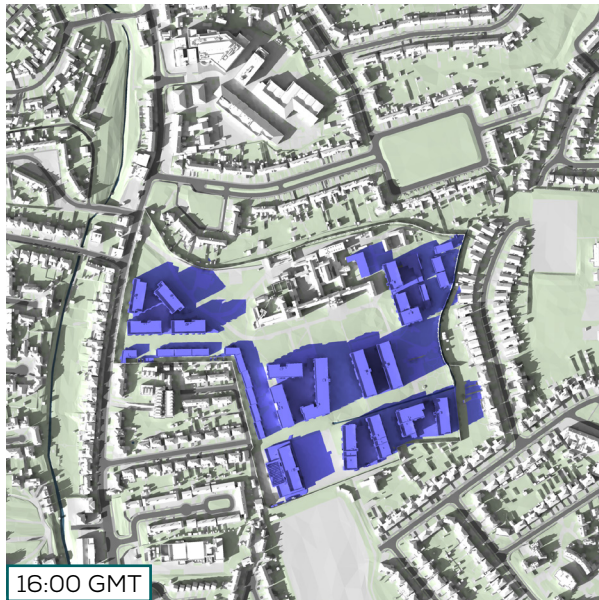


TRANSIENT OVERSHADOWING ASSESSMENT
21ST MARCH (16:00 - 17:00 GMT)

EXISTING



PROPOSED

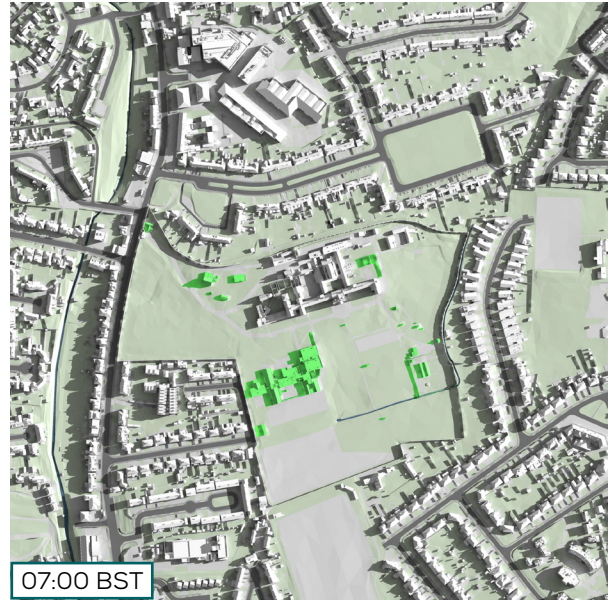


CUMULATIVE

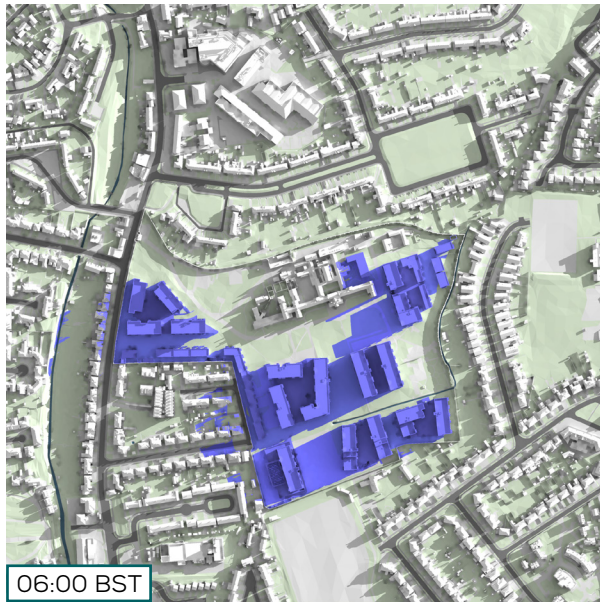


TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (06:00 - 09:00 BST)

EXISTING



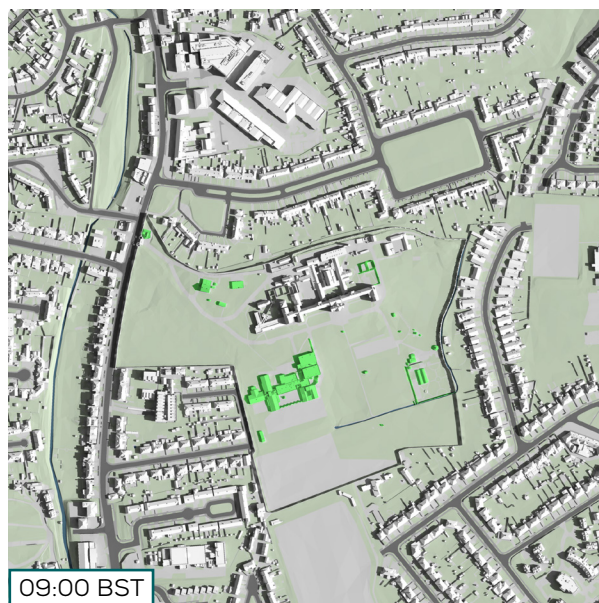
PROPOSED



CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE

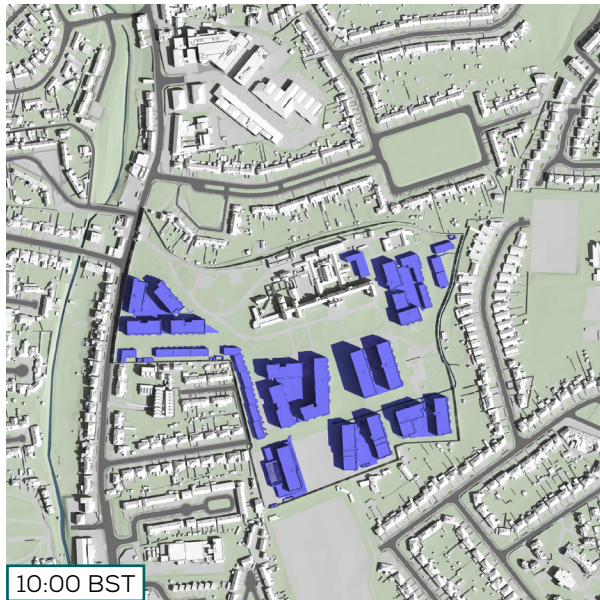


TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (10:00 - 13:00 BST)

EXISTING



PROPOSED



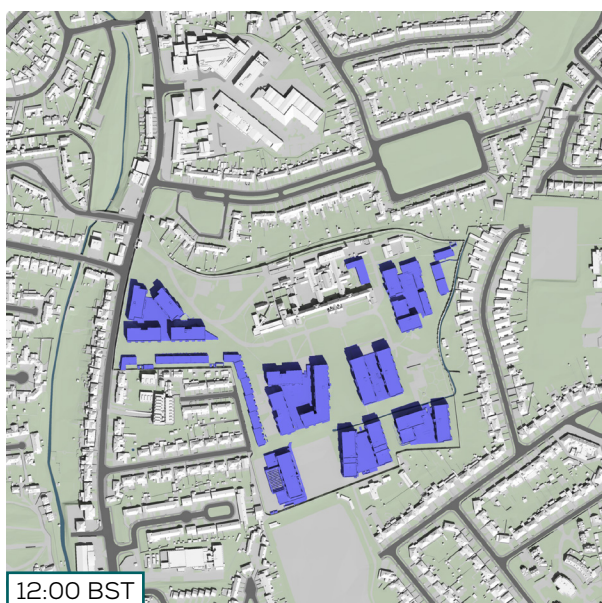
CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE



TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (14:00 - 17:00 BST)

EXISTING



PROPOSED



CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE



TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (18:00 - 20:00 BST)

EXISTING



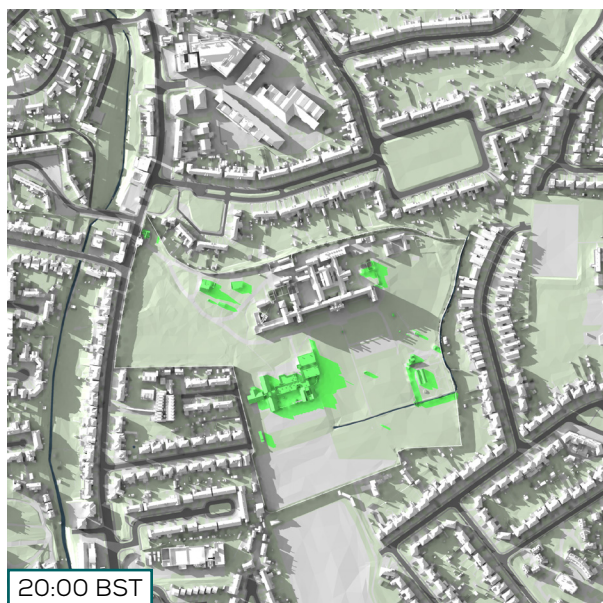
PROPOSED



CUMULATIVE



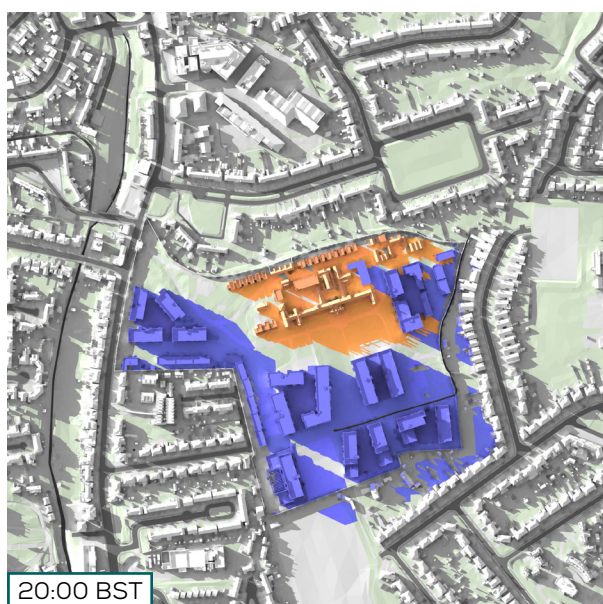
EXISTING



PROPOSED



CUMULATIVE



TRANSIENT OVERSHADOWING ASSESSMENT
21ST DECEMBER (09:00 - 12:00 GMT)

EXISTING



PROPOSED



CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE

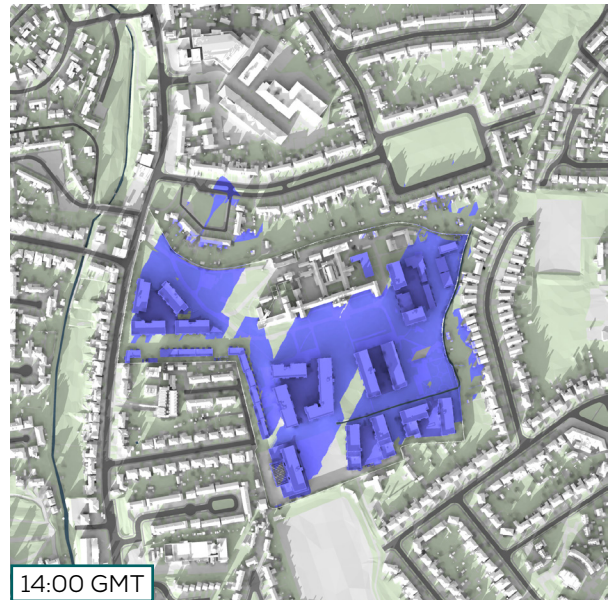


TRANSIENT OVERSHADOWING ASSESSMENT
21ST DECEMBER (13:00 - 15:00 GMT)

EXISTING



PROPOSED



CUMULATIVE





What we do:

Building Surveying
Daylight & Sunlight
Light Obstruction Notices
Measured Surveys
Party Wall & Neighbourly Matters
Rights of Light
Solar PV
Wind Analysis

Where we are:

Belfast
Birmingham
Bristol
Dublin
London
Manchester