

# BEAM PARK

## **Daylight and Sunlight Study, Phase 2A (informative)**

Phase 2A Reserved Matters Application (Works within the London Borough of Havering) -  
Submission to the GLA

July 2019



SUPPORTED BY  
**MAYOR OF LONDON**





July 2019

## **Beam Park Phase 2A (RMA LBH GLA)**

Daylight and Sunlight Study – Phase 2A (Informative)

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Issue Details

Project .....

Beam Park Phase 2

MWL Reference .....

J2406

Report Scope .....

Daylight and Sunlight Study – Phase 2A (informative)

Revision .....

1.0

Date .....

25/07/2019

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Checked By .....

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Rev	Date	Scope	Description	By	Approved
1.0	25/07/2019	For RMA LBH GLA Application	Daylight and Sunlight Study - Phase 2A Informative	JF	JH

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## 1 Executive Summary

MWL has been appointed to carry out the Daylight and Sunlight informative study of Phase 2A based on the consented hybrid planning application and AECOM's Energy Strategy Addendum dated August 2018.

The phase 2A consists of two apartment blocks of T and I, and two house-blocks of 13 and 16. Block T is a total seven-storey height block and Block I a total eight-storey height block. The terrace houses are two/ three-storey height.

This Daylight and Sunlight Report forms part of the RMA LBH GLA application. It is to ensure a satisfactory standard of living for both existing and future occupiers in accordance with Barking & Dagenham Local Plan Policy BP8, Havering Local Plan Policy DC61 and London Plan Policy 7.6.

The BRE report: "*Site layout planning for daylight and sunlight: a guide to good practice, BRE 2011*" has been used as guideline for this study

This BRE report gives criteria and methods for calculating daylight, and sunlight and to some degree overshadowing and through that approach define what they consider as a material impact.

This study seeks to address the measures of Sustainability in respect to Daylight and Sunlight and to demonstrate the design intention in relation to BRE Guidance for Daylight and Sunlight requirements.

This report also investigates if the detail design of residential blocks results in any negative impact on Daylight level and good sunlight access comparing to hybrid planning sunlight parameter study addendum, which was produced in June 2017. This hybrid planning report stated that most plots received good level of sunlight throughout the year. South angle of plots C, B and A (Phase 6-8) are overshadowed for most of the day both during the Spring and Autumn Equinox.

### Summary of Results

BRE guidance for daylighting "*Site layout planning for daylight and sunlight: a guide to good practice, BRE 2011*" has been used as requirements.

Tables 1 and 2 show a summary of the Daylighting Factor and Vertical Sky Component assessment of the scheme respectively and demonstrate that:

- 98% of the assessed rooms pass BRE's daylighting factor requirement

**Table 1. Beam Park Phase 1, Daylighting Factor results**

Block	Number of assessed rooms	Number of rooms passed	Number of rooms failed
T	119	119	0
I	177	164	13
13 & 16	337	337	0
Total	633	620	13

- 96% of the assessed windows pass BRE's Vertical Sky Components guidance

**Table 2. Beam Park Phase 1, Vertical Sky Components results**

Block	Number of assessed windows	Number of windows passed	Number of windows failed
T	140	139	1
I	183	165	18
13 & 16	333	324	9
Total	656	628	28

Table 3 shows the summary results for the Annual- and Winter Probable Sunlight Hours for tested rooms of the Phase 2A:

- 96% of the assessed surfaces receive adequate annual- and winter sunlight

**Table 3. Beam Park Phase 2, Annual- and Winter Probable Sunlight Hours**

Block	Number of assessed rooms	Number of rooms passed	Number of rooms failed
T	237	234	3
I	277	268	9
13 & 16	339	328	21
Total	853	820	33

It can therefore be concluded that the properties of phase 2A would receive good level of sunlight and daylight including sky view that all complies with BRE daylighting and sunlight requirements.

## Structure of the Report

This sunlight report is divided in five sections:

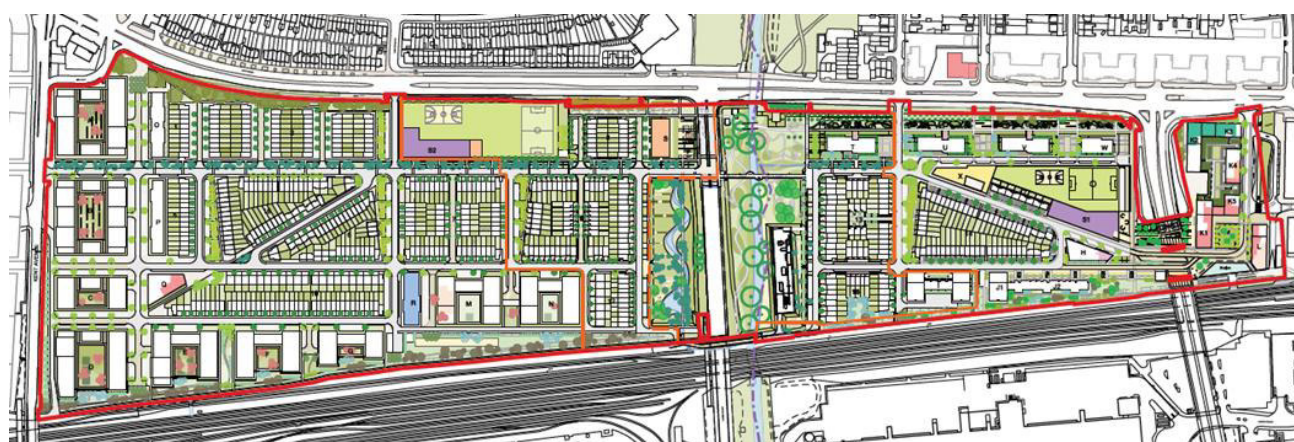
- Section two describes a brief of the development.
- Section three presents planning policies and guidance which have been addressed in the report.
- Section four describes the approach and methodology used for daylighting assessment.
- Section five describes concept of spring and autumn equinox
- Section six presents the results and analyses for the residential blocks.
- And Section seven concludes this report.
- Appendices A – shadowing images are presented at the end of this report

## 2 Site location and Development Proposal

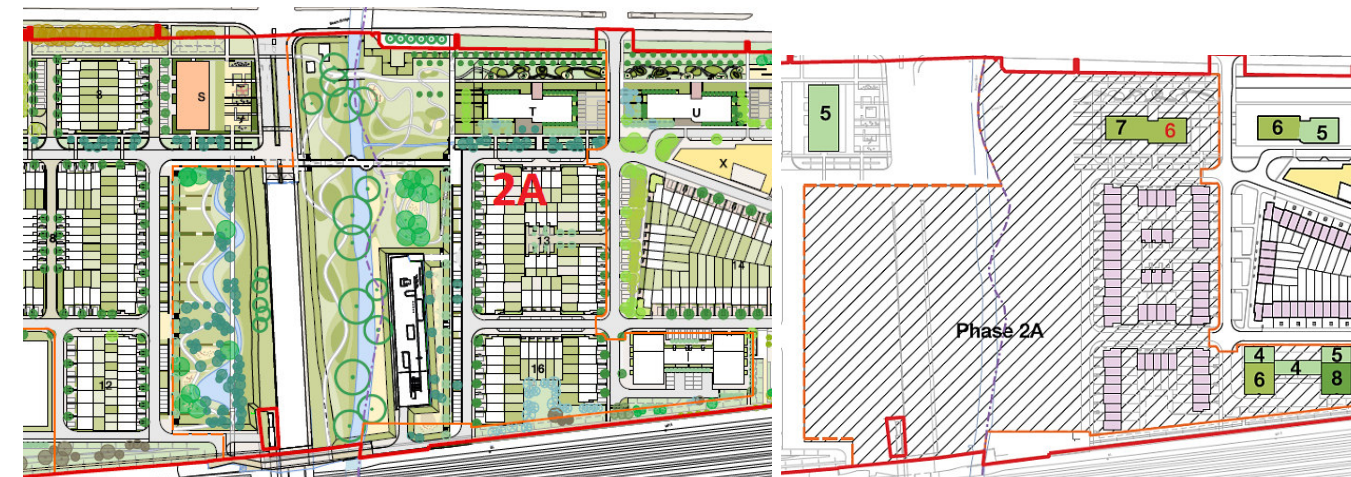
The Beam Park site (31.54 ha) is situated on the border between the London Borough of Havering and the London Borough of Barking and Dagenham, it is a post-industrial brownfield site with the River Beam running North-South through the site centre and which also forms the boundary between London Borough of Havering (LBH) and London Borough of Barking and Dagenham (LBBD).

The development consists of blocks of flats and houses, schools, nursery, rail station and community areas.

The original proposal hybrid planning application for the redevelopment of the site to include up to 2900 homes was submitted in July 2017. In the revisions February 2018, the main changes included increasing affordable housing from 35% to 50% and increasing height by two floors to block K3. Further revisions were made afterwards to the planning application during the GLA Call-In period. The changes related to ES addendum August 2018 (produced by AECOM) covered an increase of 100 homes from 2900 to 3000 in phase 1 and increase of building height in Phase 1 of up to 16 storeys.



**Figure 1:** Revised hybrid application master plan – August 2018



**Figure 2:** Revised planning application master plan – details of phase 2A

Figure 2 shows the outline details of the phase 2A including the height change of block T, which east part was changed from five storeys to six storeys and which highest point stays seven storeys. Phase 2A includes total 120 apartments and 64 houses, providing 50% affordable homes.



### 3 Policy Guidance & Legislation

The impact of a proposal in respect of daylight and sunlight amenity should be assessed by reference to the BRE guidance report:

- *Site layout planning for daylight and sunlight: a guide to good practice, BRE 2011*

The BRE give criteria and methods for calculating daylight, and sunlight and to some degree overshadowing and through that approach define what they consider as a material impact.

The daylight analysis used by local authorities when considering planning applications are set out in the Building Research Establishment (BRE) document 'Site Layout Planning for Daylight a Sunlight: A Guide to Good Practice (2011)'.

This fact section explains the following criteria that are covered in the guide:

#### 3.1 Daylight to Windows

Diffuse daylight is the light received from the sun which has been diffused through the sky. Even on a cloudy day, when the sun is not visible, a room will continue to receive light from the sky. This is diffuse daylight.

Diffuse daylight calculations should be undertaken for dwellings and non-domestic properties where daylight is required. For dwellings, calculations should be undertaken for habitable rooms such as living rooms, kitchens and bedrooms. The BRE guide states that windows to bathrooms, toilets, storerooms, circulation areas and garages need not be tested.

The parameters below are to be studied.

- Vertical Sky Component (VSC)
- Daylight Distribution / No Sky Line
- Average Daylight Factor (ADF)
- Room Depth

#### 3.2 Vertical Sky Component (VSC)

The Vertical Sky Component (VSC) is a measure of the amount of visible sky available from a point on a vertical plane. The reference point used for the calculation is usually the centre of the vertical face of the window.

The VSC test is the main test used to assess the impact of a development on neighbouring properties. Since the light measurements are taken on the external face of the window, access inside the neighbouring property is not required to perform the assessment.

The assessment should be applied to the main window of each habitable room. Where a room has two or more windows of equal size, the mean of their VSCs is taken.

The VSC will be 0% where the point being measured has a completely obstructed view of the sky; or just under 40% where the view is completely unobstructed. The test can be adapted for sloping or horizontal roof lights where the maximum equivalent VSC for a completely unobstructed horizontal roof light is 100%.

Vertical Sky Component of 27% is acceptable as one of the factors to measure daylight level.

#### 3.3 Daylight Distribution / No Sky Line

The distribution of daylight within a room can be checked by plotting the 'no sky line'. The no sky line is a line which separates areas of the working plane that do and do not have a direct view of the sky.

The Daylight Distribution test should be applied to habitable rooms in new dwellings. Where room layouts are known, the test can also be used to check the impact of a development on the light receivable by existing neighbouring properties.

The BRE guide states that if a significant part of the working plane (normally more than 20%) lies beyond the no sky line (i.e. receives no direct skylight), then the distribution of daylight within the room will be poor and supplementary electric lighting will be required.



### 3.4 Average Daylight Factor (ADF)

The Average Daylight Factor (ADF) assessment is mainly used to check the light levels within new developments. The ADF is a measure of the light within a room and therefore information on internal room layouts are needed to apply the test.

The BRE guide recommends an ADF of 5% or more if there is no supplementary electric lighting, or 2% or more if supplementary electric lighting is provided. There is additional minimum recommendations for dwellings of 2% for kitchens, 1.5% for living rooms and 1% for bedrooms.

A special procedure is required for floor to ceiling windows such as patio doors. If part of a window is below the height of the working plane (a horizontal plane 0.85m above the floor in housing), this portion should be treated as a separate window. The ADF for this window has an extra factor applied to it, to take account of the reduced effectiveness of low-level glazing in lighting the room. The ADF for the portion of the window above the working plane is calculated in the normal way without this additional factor, and the ADFs for the two portions are added together.

The Average Daylight Factor (df) can be calculated using the following formula:

$$df = \frac{TMAw\theta}{A(1 - R2)}$$

Where:

T is the diffuse visible transmittance of the glazing  
M is a maintenance factor, allowing for the effects of dirt  
Aw is the net glazed area of the window (m2)  
A is the total area of the room surfaces (m2)  
R is their average reflectance  
Θ is the angle of visible sky in degrees

#### Criteria:

The British Standard, BS8206 Part II gives the following recommendations for the average daylight factor

**Table 1. Average Daylight Factor by BRE**

Room	ADF (%)
Kitchen	2
Living Room	1.5
Bedroom	1

#### Room Depth

The Room Depth test is used for new dwellings to ensure that rooms are designed to enable adequate light penetration.

The test need not be applied to rooms with windows in more than one wall. If a room is lit by windows in one wall only, the depth of the room L should not exceed the limiting value given by:

$$\frac{L}{W} + \frac{L}{H} < \frac{2}{W1 - Rb}$$

Where:

W is the room width  
H is the window head height above floor level  
Rb is the average reflectance of the surfaces in the rear half of the room

### **3.5 Sunlight**

The BRE guide provides recommendations for below two parameters' study.

### **3.6 Annual Probable Sunlight Hours (APSH)**

The BRE guide recommends that where possible, each new dwelling should have at least one main living room window that faces within 90 degree of due south. However, the guide acknowledgeable that this is not always possible especially when it comes to flats. The BRE guide recommends that main living room windows should receive at least 25% of total Annual Probable Sunlight Hours (APSH). It also recommends that at least 5% of the APSH should be received during the period between 21<sup>st</sup> September and 21<sup>st</sup> March.

The APSH test can also be used to check the impact of a development on the sunlight availability to neighbouring properties. The test should be applied to all main living rooms and conservatories which have a window facing within 90 degree of due south.

### **3.7 Area of Permanent Shadow**

The BRE guide "Site Layout Planning for Daylight and Sunlight" also provided criterion for open spaces.

In particular, it gives guidance for calculating any areas of open space that may be in permanent shadow on 21<sup>st</sup> March. There are no criteria for the overshadowing of buildings.

This has been analysed and illustrated in the "Sunlight Report - parameter study" for the hybrid planning application in June 2017.

## 4 Methodology

BRE document "Site layout planning for daylight and sunlight: a guide to good practice, BRE 2011" provides criteria and methods for calculating daylight and sunlight, and through that approach define what they consider as a material impact.

The sectors below have been modelled and studied following BRE guidelines for daylight and sunlight assessment:

- Average Daylight Factor
- Vertical Sky View
- Annual Probable Sunlight Hours

### 4.1 Software

The Sun-cast model of revised development was constructed using Integrated Environmental Solutions (IES-VE) version 7.0.10.0, which complies with BRE Guidance and CIBSE Application Guide AM11 "Building Energy and Environmental Modelling".

The following tools of the software were used:

1. ModelIT – to model the geometry of the building
2. Suncast – to calculate solar shading and provide data for APSH
3. RadianceIES – to produce statistical analysis of Average Daylight Factor and Vertical Sky View

Dynamic thermal analysis has been performed across the site in order to assess the resulting conditions during the course of a year.

### 4.2 Building Geometry

Drawings received from PT architects and used for the geometry model and space are listed below:

- 448-PTA-I-ZZ-DR-A-1100\_P07 – Building I–GLA Phase 2A RMA Ground Floor Plan;
- 448-PTA-I-ZZ-DR-A-1103\_P07 – Building I–GLA Phase 2A RMA Floor levels 01-07;
- 448-PTA-I-ZZ-DR-A-1300\_P01 – Building I–GLA Phase 2A RMA Building Elevations 1 of 2;
- 448-PTA-I-ZZ-DR-A-1301\_P01 – Building I–GLA Phase 2A RMA Building Elevations 2 of 2;

- 448-PTA-T-ZZ-DR-A-1100\_P07 – Building T–Typical GA plans GLA Phase 2A RMA;
- 448-PTA-T-ZZ-DR-A-1300\_P02 – Building T–Building Elevations GLA Phase 2A RMA;
- 448-PTA-13-16-ZZ-DR-A-1100\_P01 – Plots13 & 16 LBH House Plots Ground Floor;
- 448-PTA-13-16-ZZ-DR-A-1101\_P01 – Plots13 & 16 LBH House Plots First Floor;
- 448-PTA-13-16-ZZ-DR-A-1102\_P01 – Plots13 & 16 LBH House Plots Second Floor;
- 448-SK-446\_P02 – Plot 13 Street Elevations LBH GLA RMA.

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## 5 Spring and Autumn Equinox

An Equinox is the moment in which the plane of Earth's equator passes through the centre of the Sun, it occurs twice each year, around 20th March and 22nd September.

On an equinox, day and night are of approximately equal duration all over the planet. They are not exactly equal, however, due to the angular size of the sun and atmosphere refraction, the difference could be negligible. To avoid this ambiguity, the word equilux is sometimes used to mean a day in which the duration of light and darkness are equal.

The solar study in the report is focused in the availability sunlight during the Spring and Autumn Equinox.

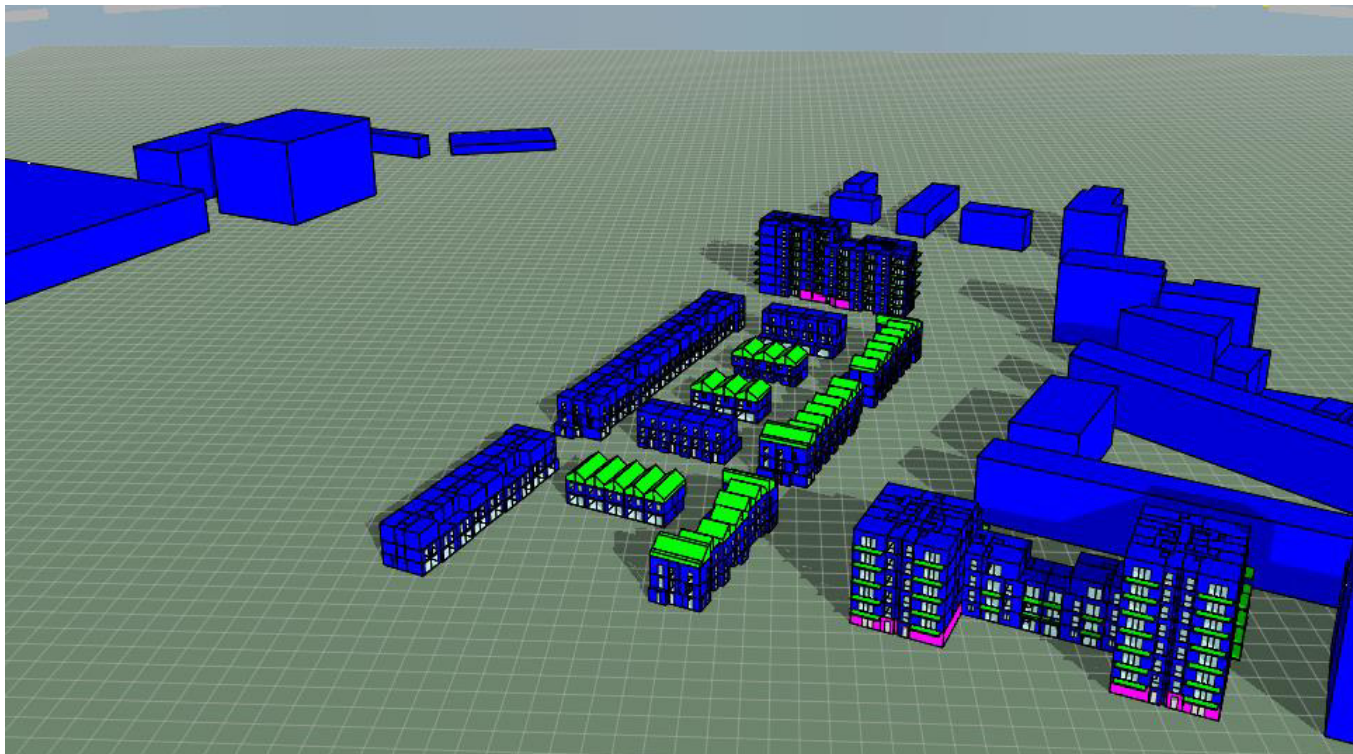


## 6 Daylight and Sunlight Results and Analysis

All the rooms in the residential blocks have been modelled and simulated for Daylight Factor (DF), Vertical Sky Component (VSC), Sky View Index (SVI), Annual Probable Sunlight Hours and Winter Probable Sunlight Hours.

In this section of the report, the results of each block will be presented and discussed with the above criteria.

The Images and full numerical details of the calculations are presented in the Appendix of this report.



**Figure 3:** IES model image of the proposal site plan

### 6.1 Average Daylight Factor

The Average Daylight Factor (ADF) assessment is mainly used to check the light levels within new developments. The ADF is a measure of the light within a room and therefore information on internal room layouts are needed to apply the test.

The BRE guide recommends an ADF of 5% or more if there is no supplementary electric lighting, or 2% or more if supplementary electric lighting is provided. The British Standard, BS8206 part II gives the following recommendations for average daylight factor for kitchen, living room and bedroom.

**Table 1:** Average Daylight Factor by BRE

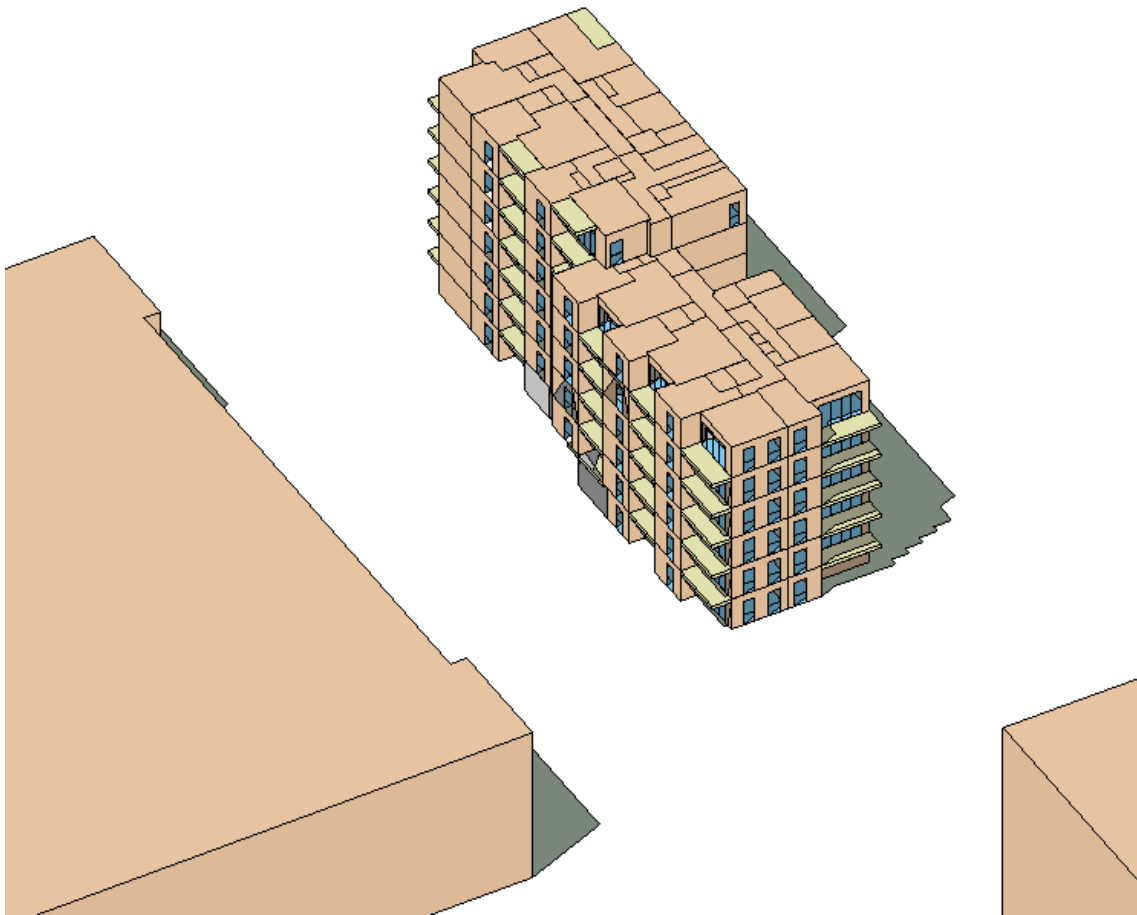
Room	ADF (%)
Kitchen	2
Living Room	1.5
Bedroom	1

In this section of the report, the results of the daylight factor analysis for the residential blocks are presented and discussed.

### 6.2 ADF – Block T

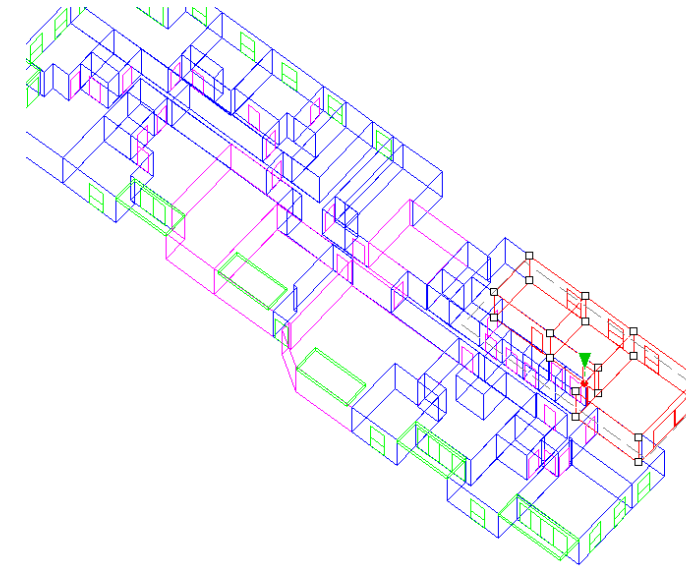
Block T is a 6-7 storey apartment block facing almost due South with very good daylight and sunlight access throughout the year not only because of the orientation but also the site plan that has have designed with good layout between adjacent buildings.

Figure 4 shows the position of block T among the surrounding buildings.

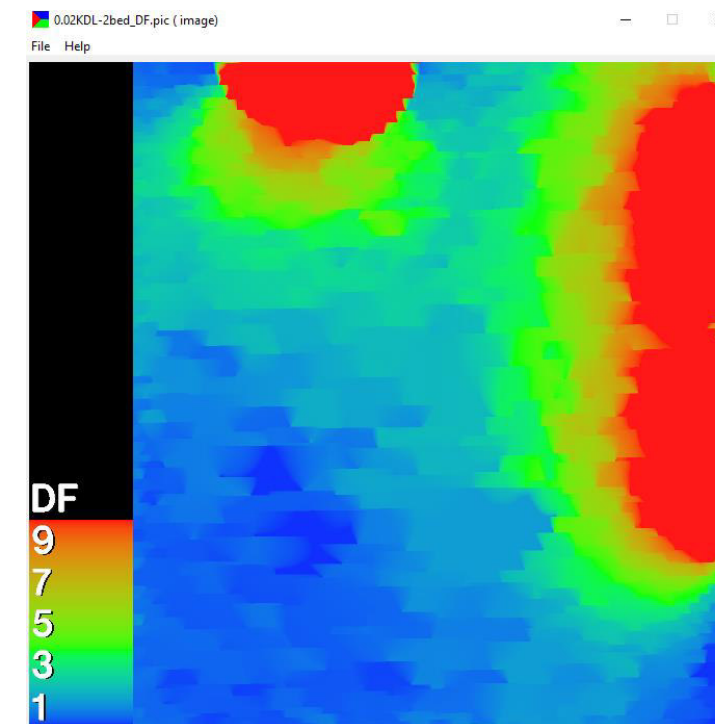


**Figure 4:** Block T – IES image

Figure 5 illustrates the plan located at the North-East corner that would be expected to experience the worst scenario regarding daylight level. This plat's relevant rooms have been studied here.

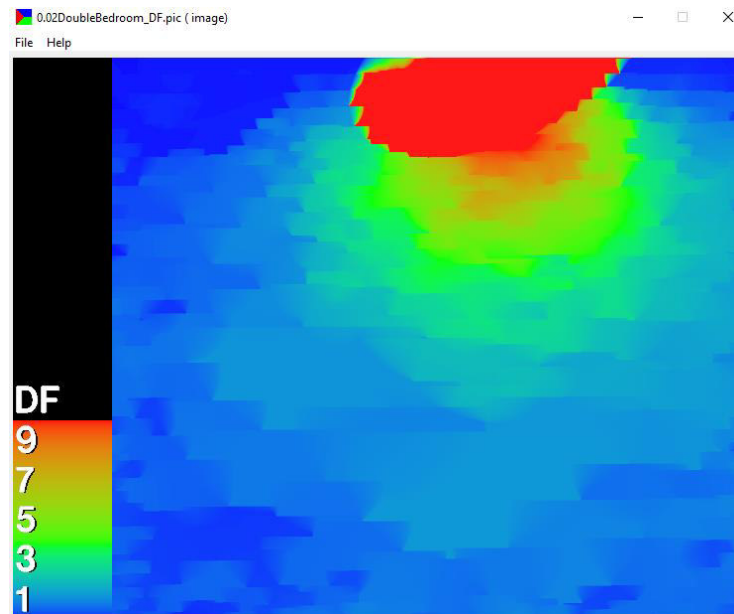


**Figure 5:** Block T ground floor plan (rooms highlighted are studied here)



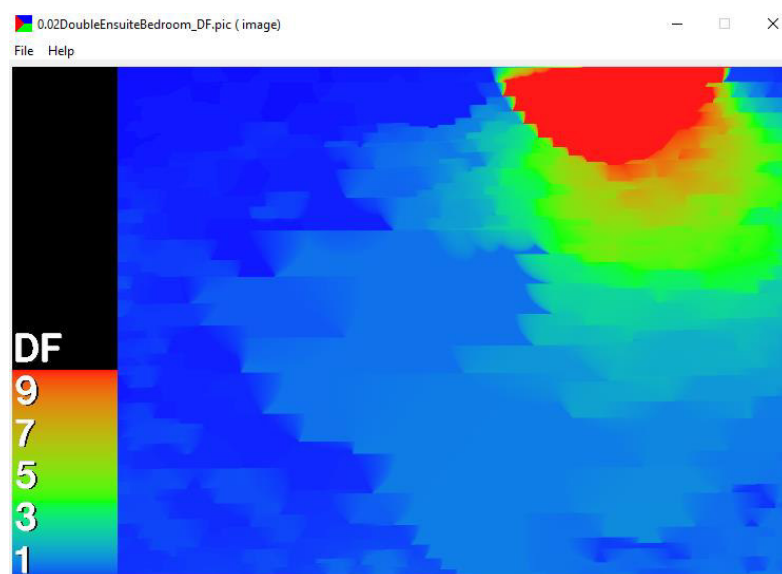
**Figure 6:** ADF Block T – 0.02 K/D/L – 2 bed

The Kit/dinning/living of this apartment has been modelled and the average daylight factor of 4.68 demonstrates that the room receives adequate daylight as shown in the figure 6.



**Figure 7:** ADF Block T – 0.02 Double Bedroom

Figure 7 shows the daylight factor of the double bedroom of the ground floor flat, its average daylight factor is 2.62 that is above the BRE requirement.



**Figure 8:** ADF Block T – 0.02 Double Ensuite Bedroom

The double ensuite bedroom has also been analysed and found that the average daylight factor of 2.05 is just meet the BRE requirement, as the worst case of the block.

### 6.3 Vertical Sky Component (VSC)

The Vertical Sky Component (VSC) is a measure of the amount of visible sky available from a point on a vertical plane. The reference point used for the calculation is usually the centre of the vertical face of the window. The VSC test is the main test used to assess the impact of a development on neighbouring properties. Since the light measurements are taken on the external face of the window, access inside the neighbouring property is not required to perform the assessment.

The assessment should be applied to the main window of each habitable room. Where a room has two or more windows of equal size, the mean of their VSCs is taken.

The VSC will be 0% where the point being measured has a completely obstructed view of the sky; or just under 40% where the view is completely unobstructed. The test can be adapted for sloping or horizontal roof lights where the maximum equivalent VSC for a completely unobstructed horizontal roof light is 100%.

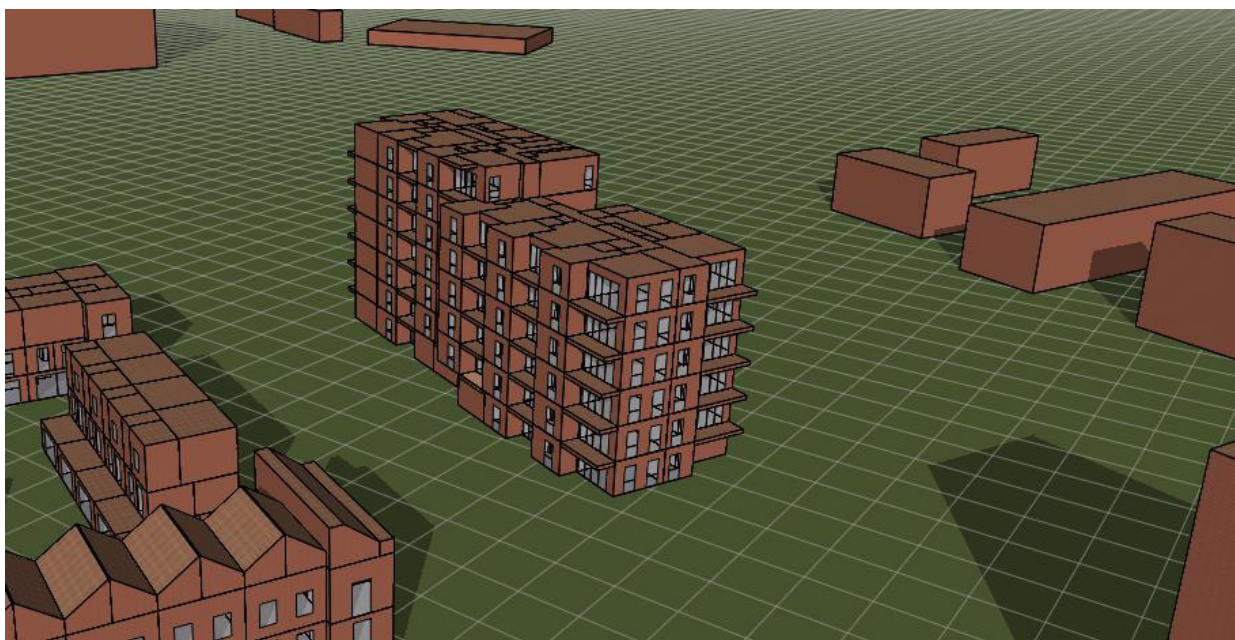
In this section of the report, numerical analysis for VSC for different blocks are presented.

The full results of the calculations are presented in Appendix C of this report.

#### 6.3.1 VSC – Block T

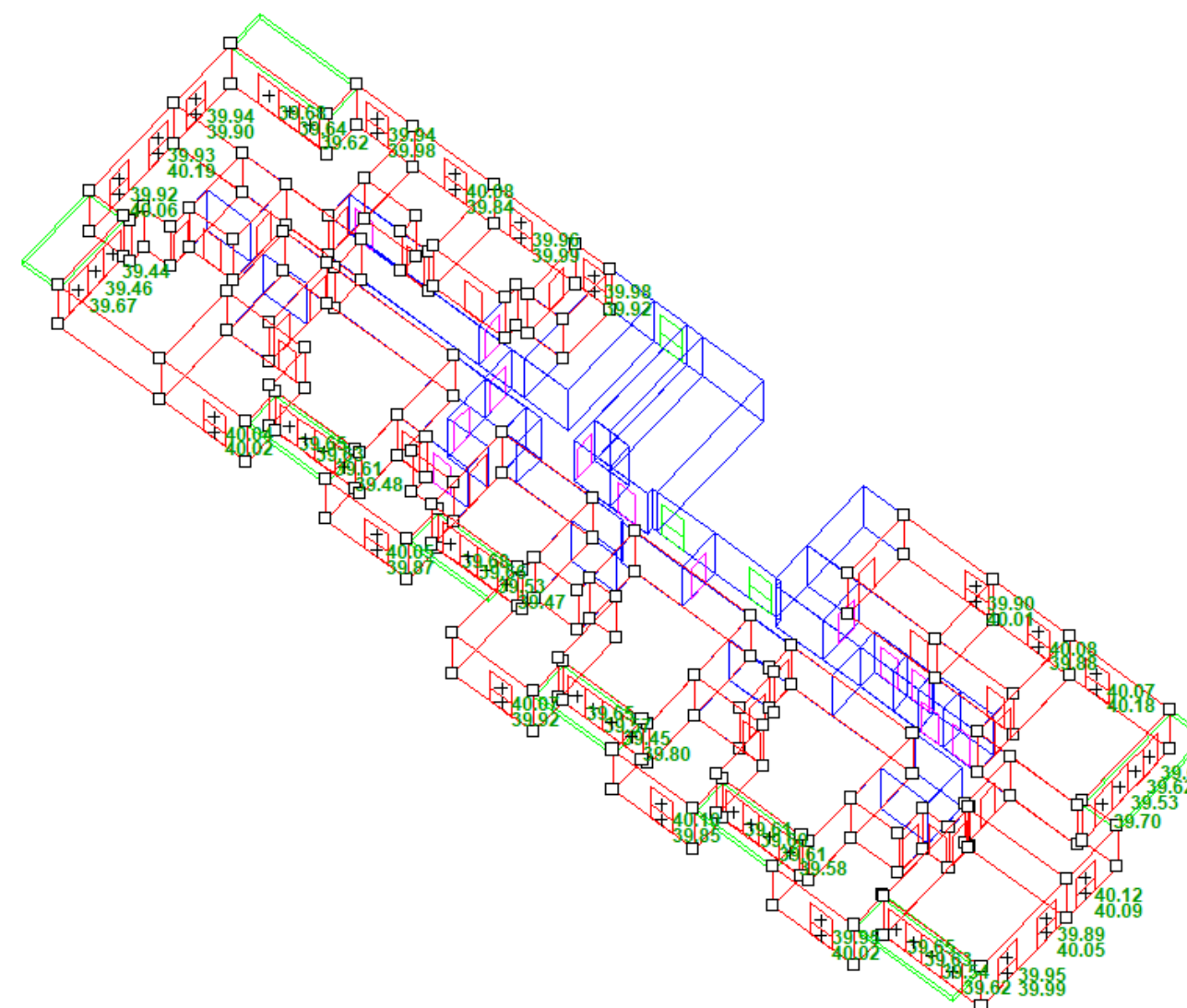
For the Vertical Sky Component study, 450 vertical window panes of the block T have been modelled and calculated. In this section of the report, the results of the ground floor and top floor are discussed. Full results are presented in the Appendix C of this report.





**Figure 9:** IES model image of the proposal site plan

Figure 10 shows the results of the window surfaces of ground floor.



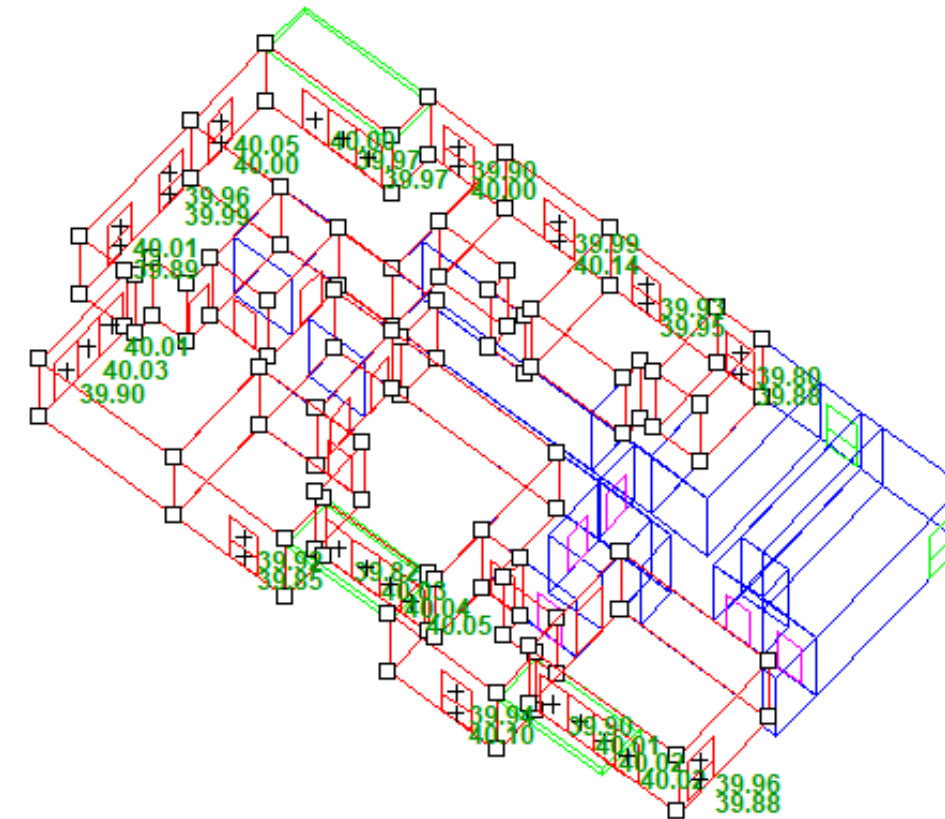
**Figure 10:** VSC results – ground floor windows

At the ground floor, the visible sky view of all the ground floor are all very good with VSC reaching around 40% as figure 10 shown. Although figure 10 shows that a few of failing figures of 14% -19% occur to a few of single panes, the overall VSC of the window, which is the sum of the all VSC figures of the window, can reach easily above 27% that is the recommended value by BRE guide.

At the top floor, shown in figure 12, all windows experience good sky views with VSC values around 40%.



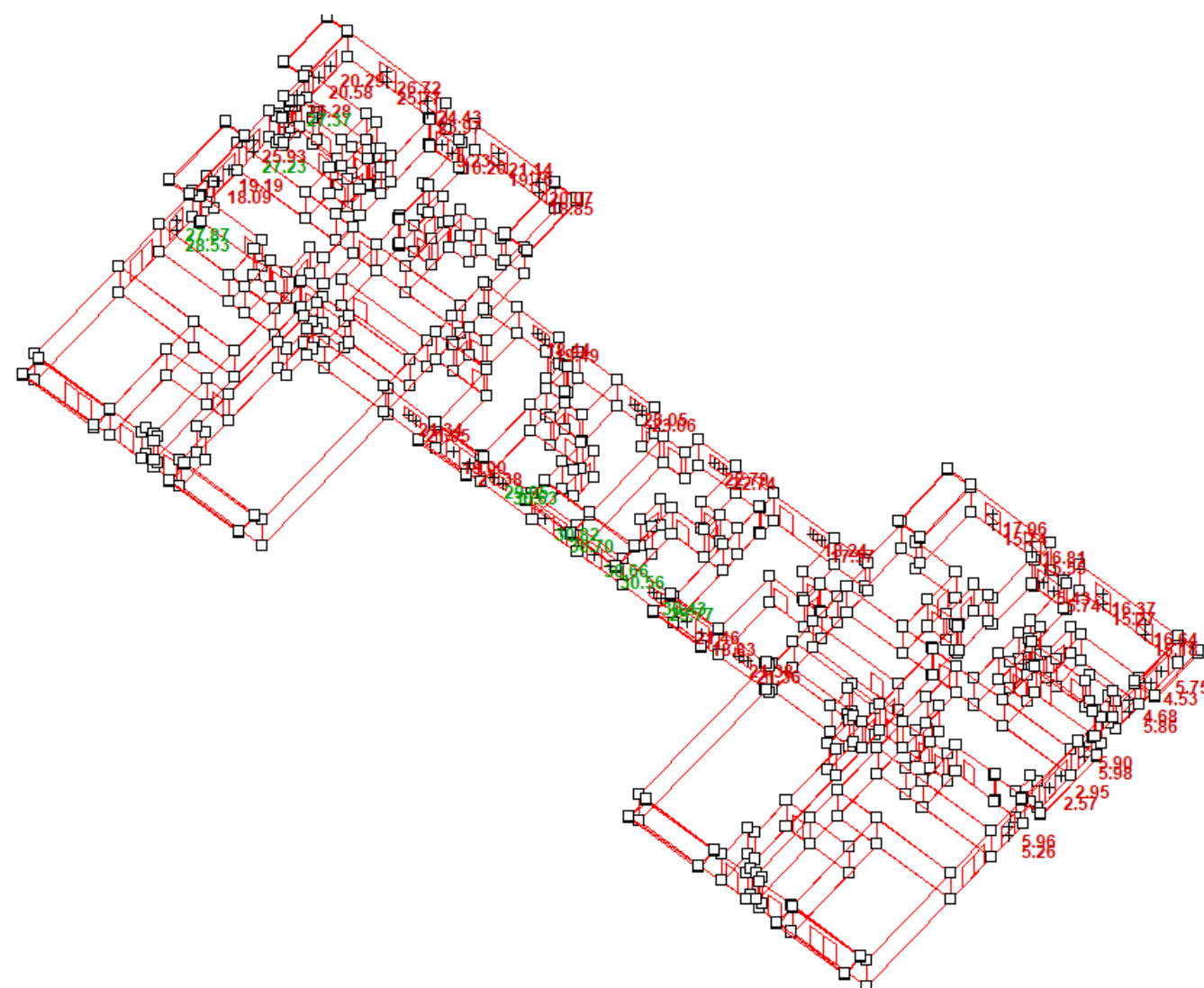
At the top floor, shown in figure 12, all windows experience good sky views with VSC values around 40%.



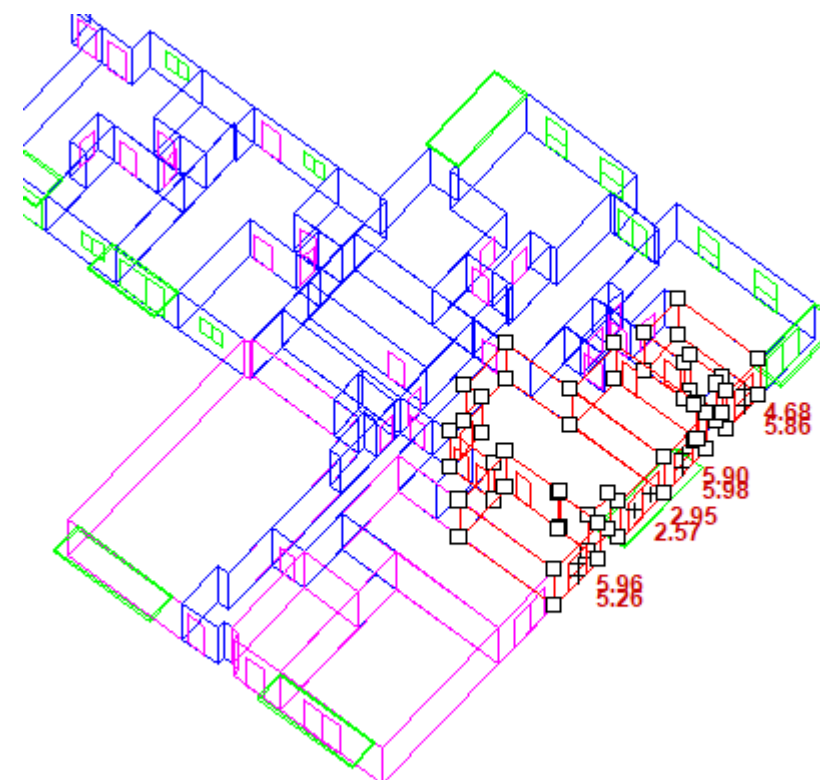
Overall, the sky view of block T is very good and meet the BRE guide recommendation value of 27%, this is benefited from the fact that a block building stands on the East and the house block 13 stands at the South

Block I is a 8 storey building, a 11 storey apartment block is located at the east and a house block located at the west. The building has a I shape that would produce shape and shadowing itself and cast the shadow to some part of the building.

At the ground floor, it is not surprised to see that some individual window pane fail to see high VSC value due to the shading from the adjacent buildings and itself. However, most of the rooms can receive good sky view through a number of window panes in the room, VSC values are shown in figure 13. Only three rooms as shown in figure 14 would not able to have a good sky view due to the heavy shading from block on the East.



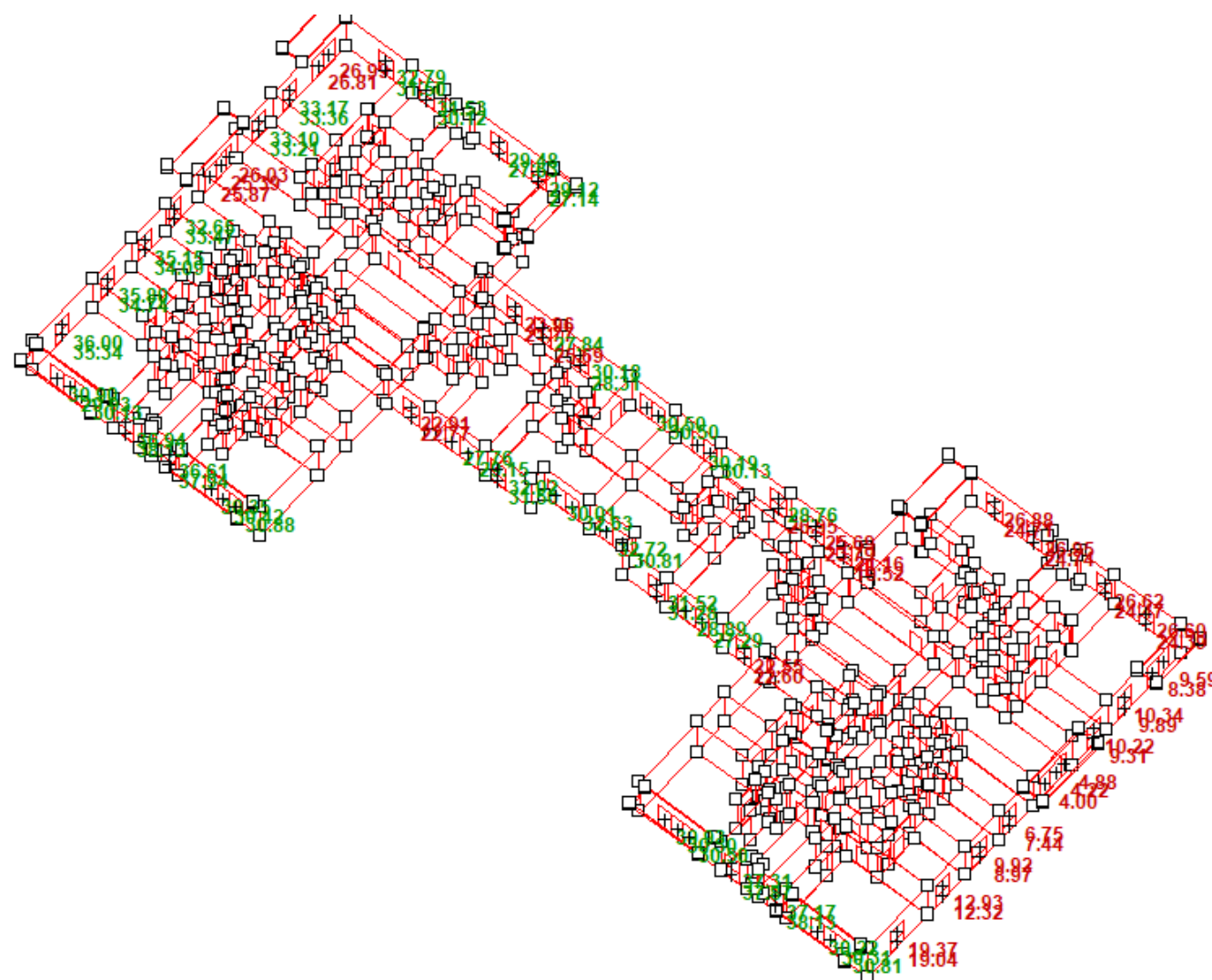
**Figure 13:** VSC result – Block I ground floor windows



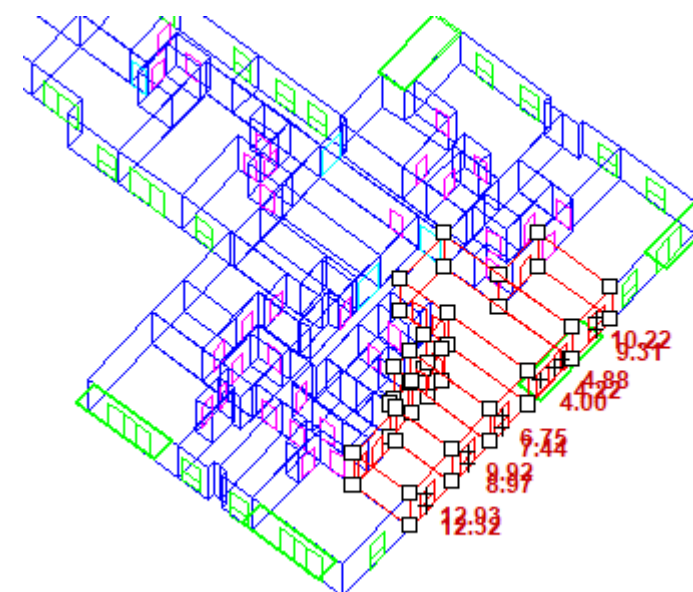
**Figure 14:** VSC result – failing windows at ground floor

The negative impact from the block on the east side would reach second floor, shown in figure 15 and figure 16 that illustrates that five rooms would be able to receive enough daylight with as low as SVC value 8% to 17%. The modelling shows that this negative impact would not continue from fourth floor.

However, for this block, 90% of the windows achieve high sky view, exceeding the minimum 27% of VSC requirement of BRE.



**Figure 15:** VSC result – Block I second floor windows



**Figure 16:** VSC result – failing windows at second floor

#### 6.4 Annual Probable Sunlight Hours (APSH)

According to BS 8206-2, APSH means “the total number of hours in the year that the sun is expected to shine on unobstructed ground, allowing for average levels of cloudiness for the location in question”.

The BRE guide recommends that main living room windows should receive at least 25% of the total Annual Probable Sunlight Hours (APSH). It also recommends that at least 5% of the winter probable sunlight should be received during the period between 21st September and 21st March.

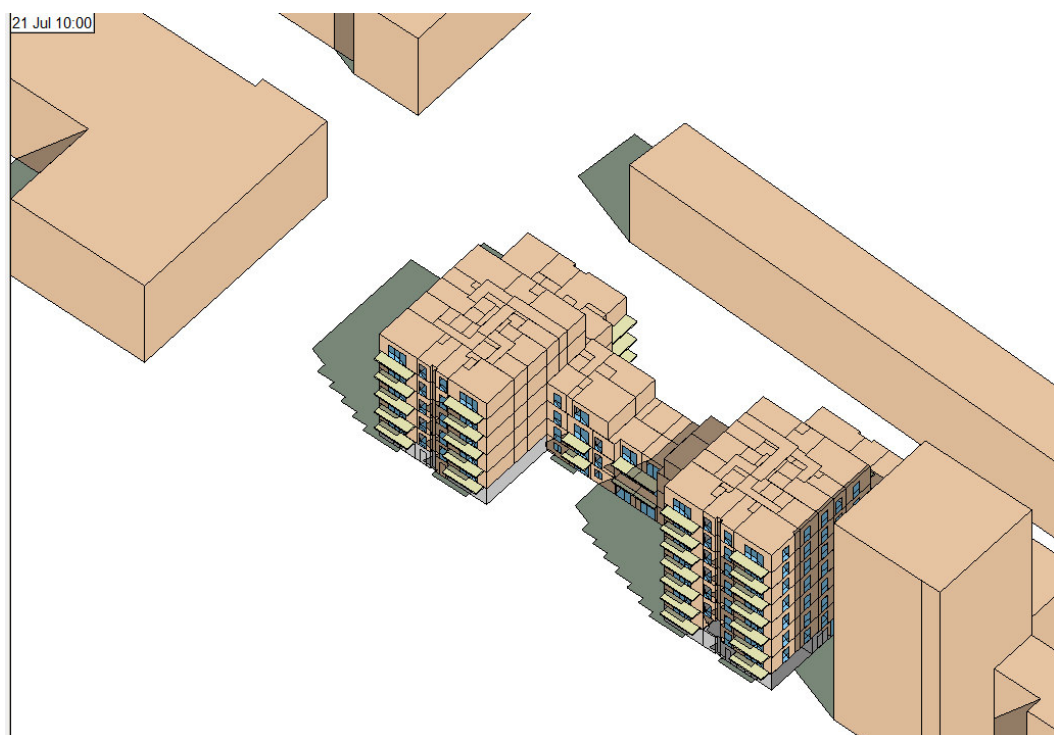
Annual Probable Sunlight Hours (APSH) has been calculated for the entire Beam Park Phase 2. This is presented in Appendix D of this report.

The dynamic sunlight assessment was carried out hourly, for an entire year, i.e. 8760 hours.

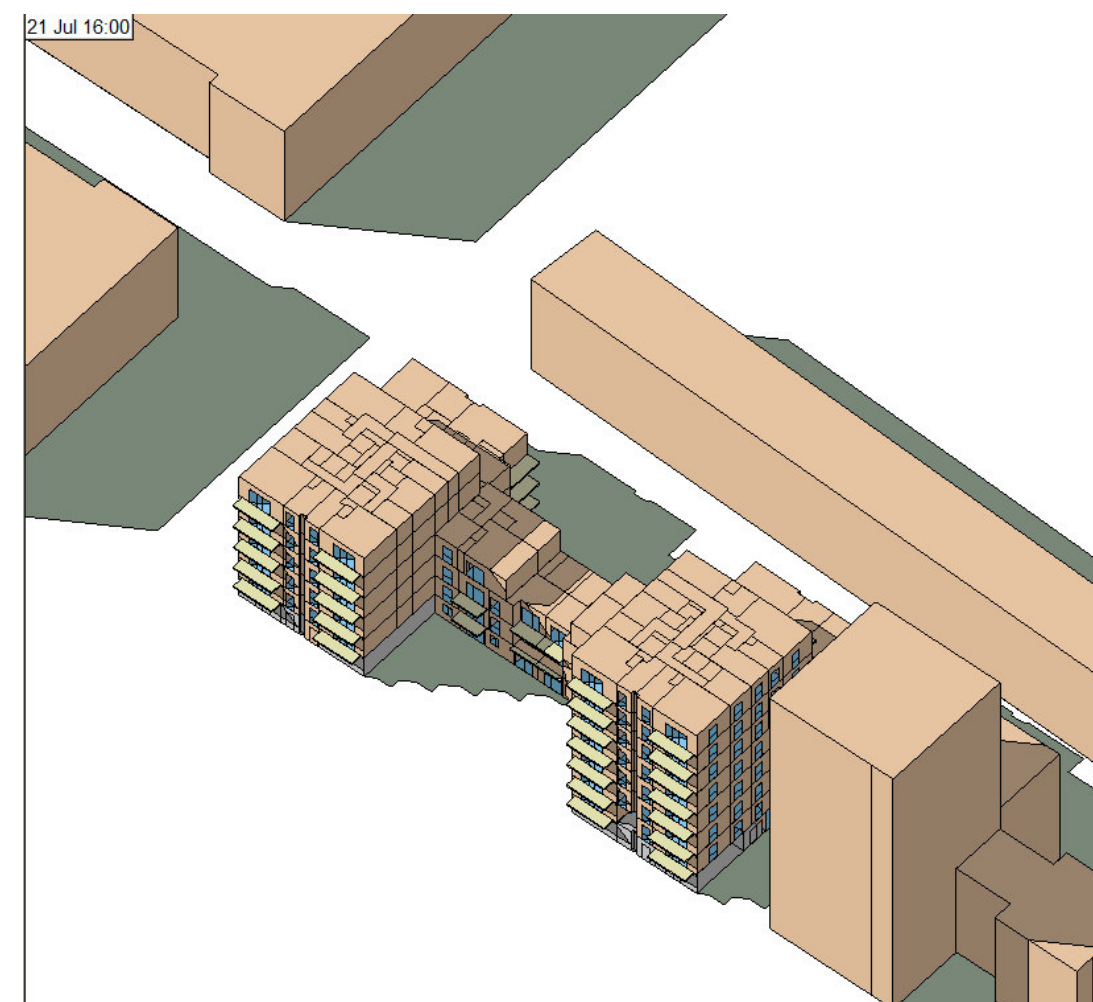
The APSH assessment and calculation itself is not limited to 21<sup>st</sup> March.

#### 6.4.1 APSH – Block I

Figure 17 shows the sunlight level of the eight-storey building at 10:00 on summer solstic, and figure 18 shows the sunlight level in the afternoon on the same day. They illustrate that the building can receive good level of sunlight with some rooms receiving adequate sunlight in the morning some in the afternoon.



**Figure 17:** APSH – block I sunlight image at 10:00 on 21<sup>st</sup> July



**Figure 18:** APSH – block I sunlight image at 16:00 on 21<sup>st</sup> July

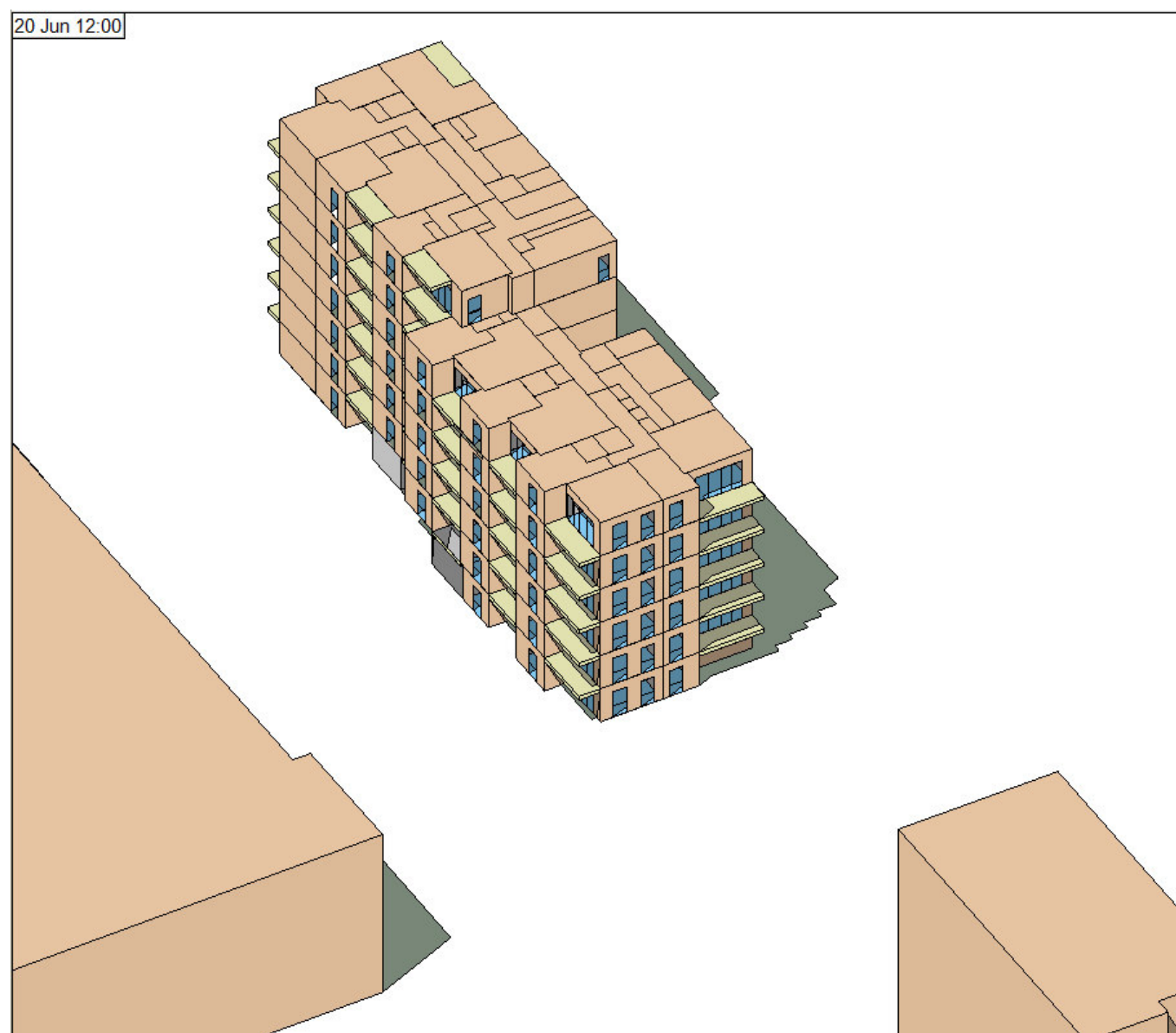
The nine rooms that fail to meet the BRE guide's requirement for both annual and summer period are located at the East side façade of the building facing closely to the adjacent building from phase 1. Among these rooms, insufficient sky views are also identified associated to the fact that the adjacent building from phase 1 is relatively close by.



#### 6.4.2 APSH – Block T

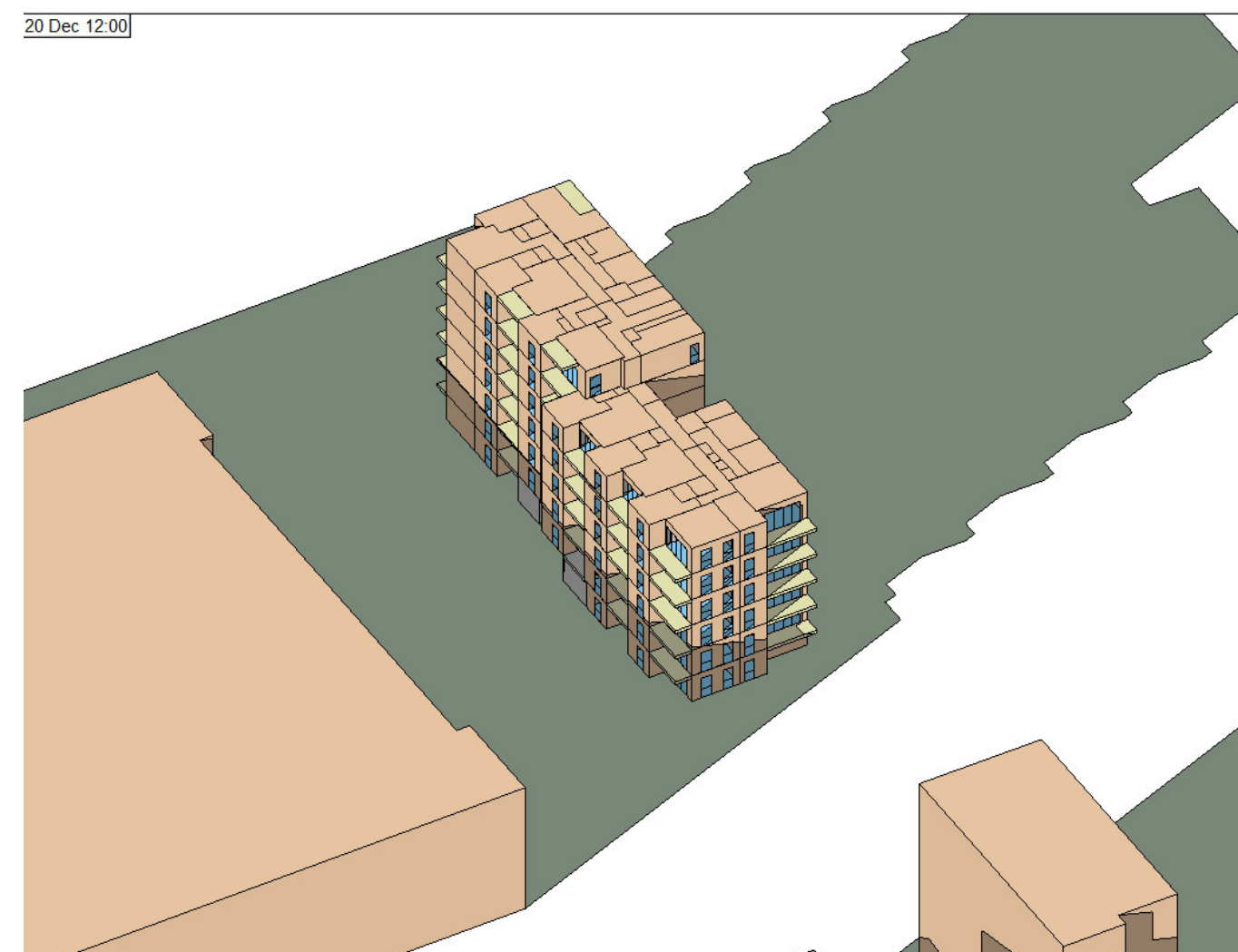
The requirement for APSH is  $\geq 25\%$  annual probable sunlight hours and  $\geq 5\%$  for Winter Probable Sunlight Hours

Block T is in well shape to avoid producing self-shadowing, and both of the adjacent apartment block and house block are in adequate distance to have negative impact on the shadowing, therefore 99% of the assessed rooms received good sunlight level, as illustrated in figure 19.



**Figure 19:** APSH – block T sunlight image at 12:00 on 20th June

However, three assessed rooms located at lower floors of the North-East corner would see the long shadowing from the 2-3 storey house block from the south in winter period, when other assessed rooms could be above the shading for most of the time. Figure 20 illustrates the Sun-cast of the house block at 12:00 on 20<sup>th</sup> December.



**Figure 20:** APSH – block T sunlight image at 12:00 on 20th Dec.

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#### 6.4.3 APSH – Block 13 & 16

For APSH calculations, an entire year has been analysed. The effect of the proposed building on the other residential blocks has been calculated and presented in Appendix D which includes **the annual and winter probable sunlight hours.**

## 7 Conclusion

MWL has been appointed to carry out daylighting and sunlight study for the Phase 2A of the Beam Park development in LBH. It includes all properties in LBH area of Phase 2.

This Daylight and Sunlight Report forms part of the RMA LBH GLA application. It is to ensure a satisfactory standard of living for both existing and future occupiers in accordance with Barking & Dagenham Local Plan Policy BP8, Havering Local Plan Policy DC61 and London Plan Policy 7.6.

BRE guidance for daylighting and sunlight "Site layout planning for daylight and sunlight: a guide to good practice, BRE 2011" has been used as requirements.

All kitchen, living rooms and bedrooms in the residential blocks have been modelled and assessed.

Table C1 shows a summary of the Daylighting Factor assessment.

- 98% of the assessed rooms pass BRE's daylighting factor requirement.

**Table C1. Beam Park Phase 2A, Daylighting Factor results**

Block	Number of assessed rooms	Number of rooms passed	Number of rooms failed
T	119	119	0
I	177	167	13
13 & 16	337	337	0
633	633	620	13

Table C2 shows a summary of the Vertical Sky Component assessment of the scheme respectively and demonstrate that:

- 96% of the assessed windows pass BRE's Vertical Sky Components guidance

**Table C2. Beam Park Phase 1, Vertical Sky Components results**

Block	Number of assessed windows	Number of windows passed	Number of windows failed
T	140	139	1
I	183	165	18
13 & 16	333	324	9
Total	656	628	28

Table C3 shows the summary results for the Annual- and Winter Probable Sunlight Hours for the increased mass of the phase 1.

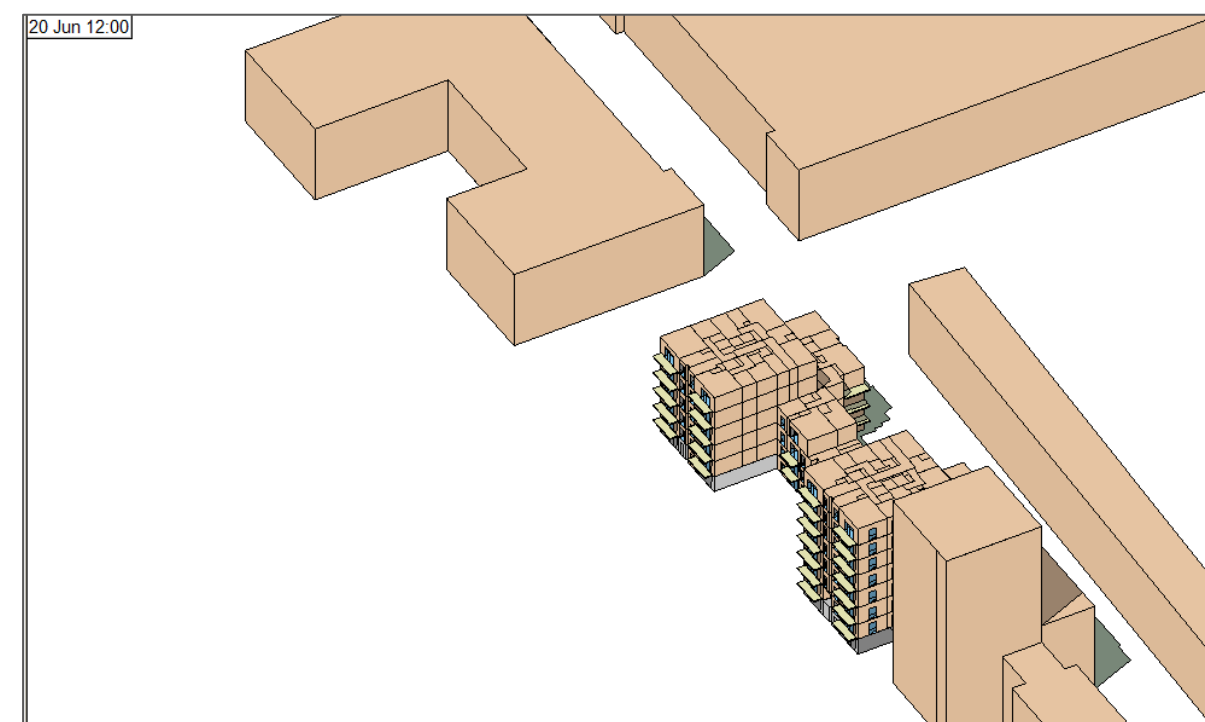
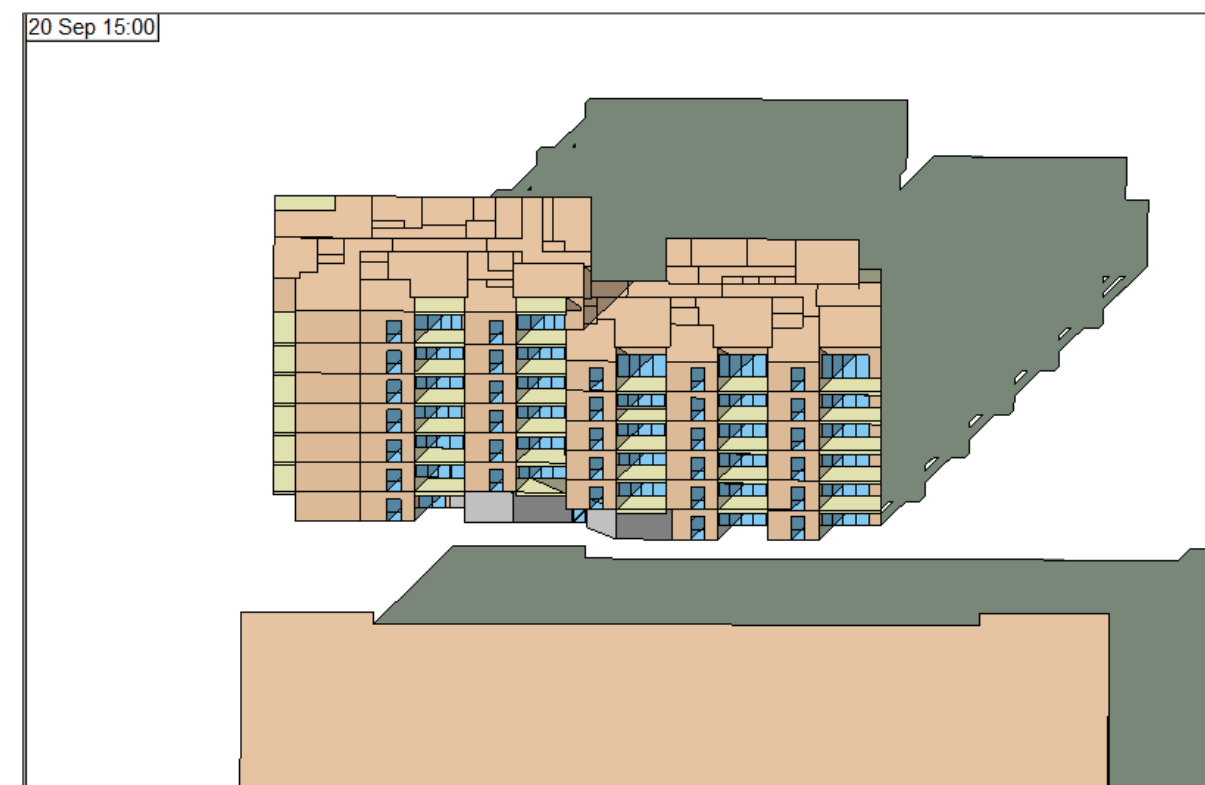
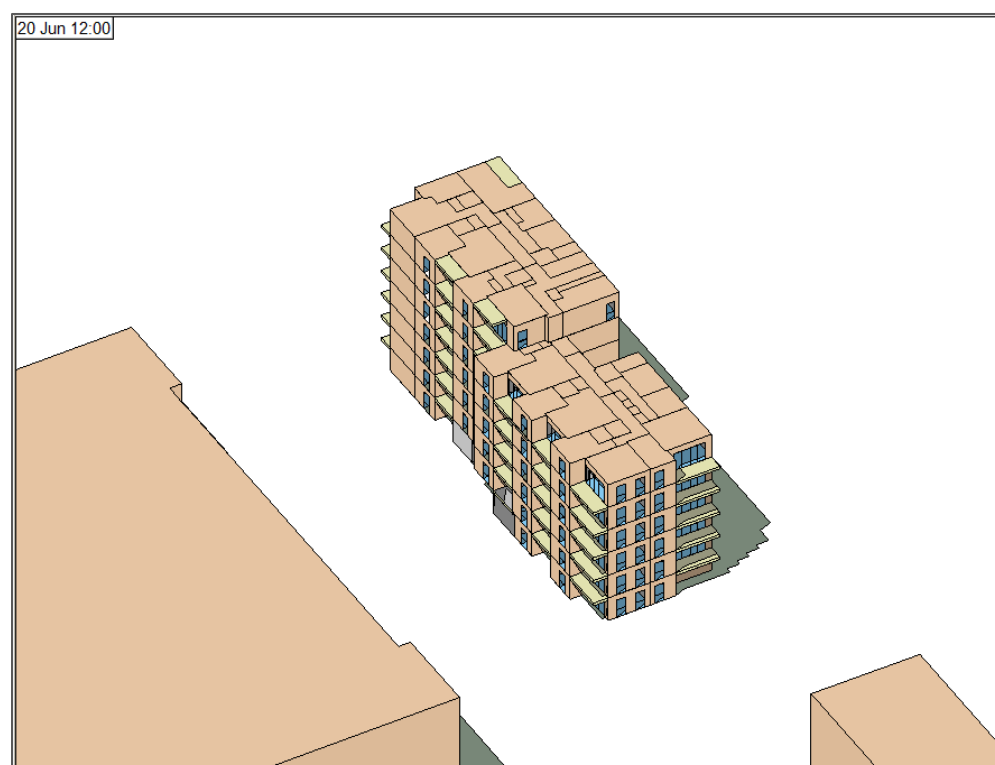
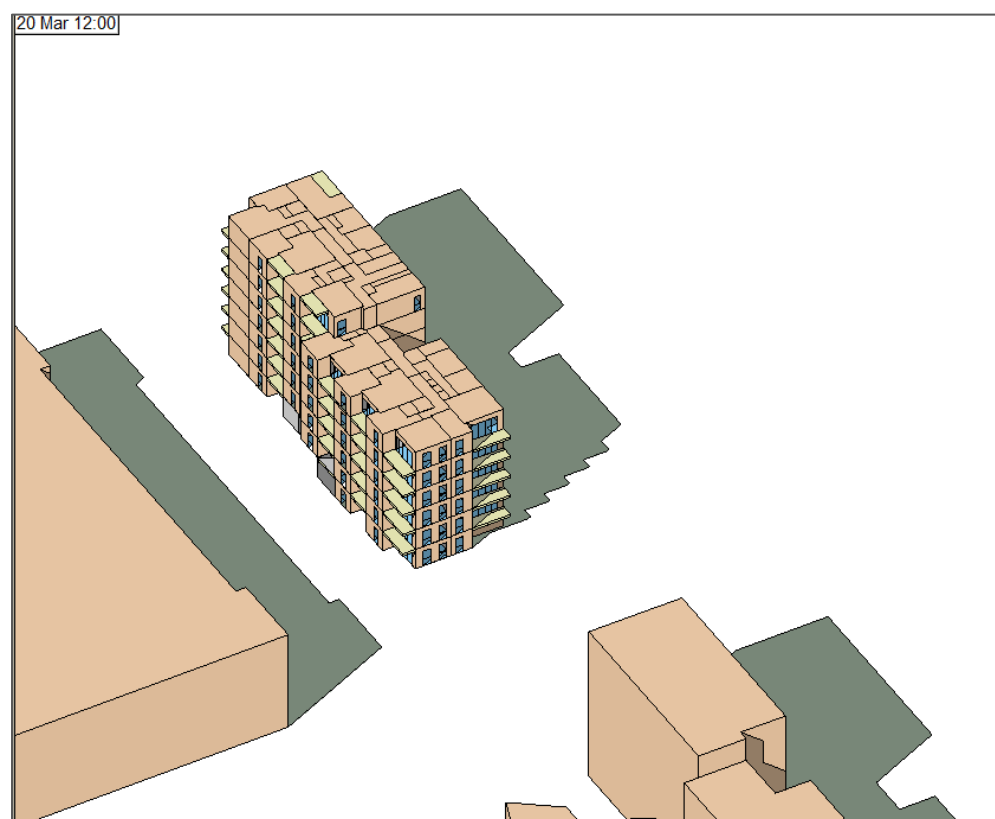
- 96% of the assessed surfaces receive adequate annual- and winter sunlight.

**Table C3. Beam Park Phase 1, Annual- and Winter Probable Sunlight Hours**

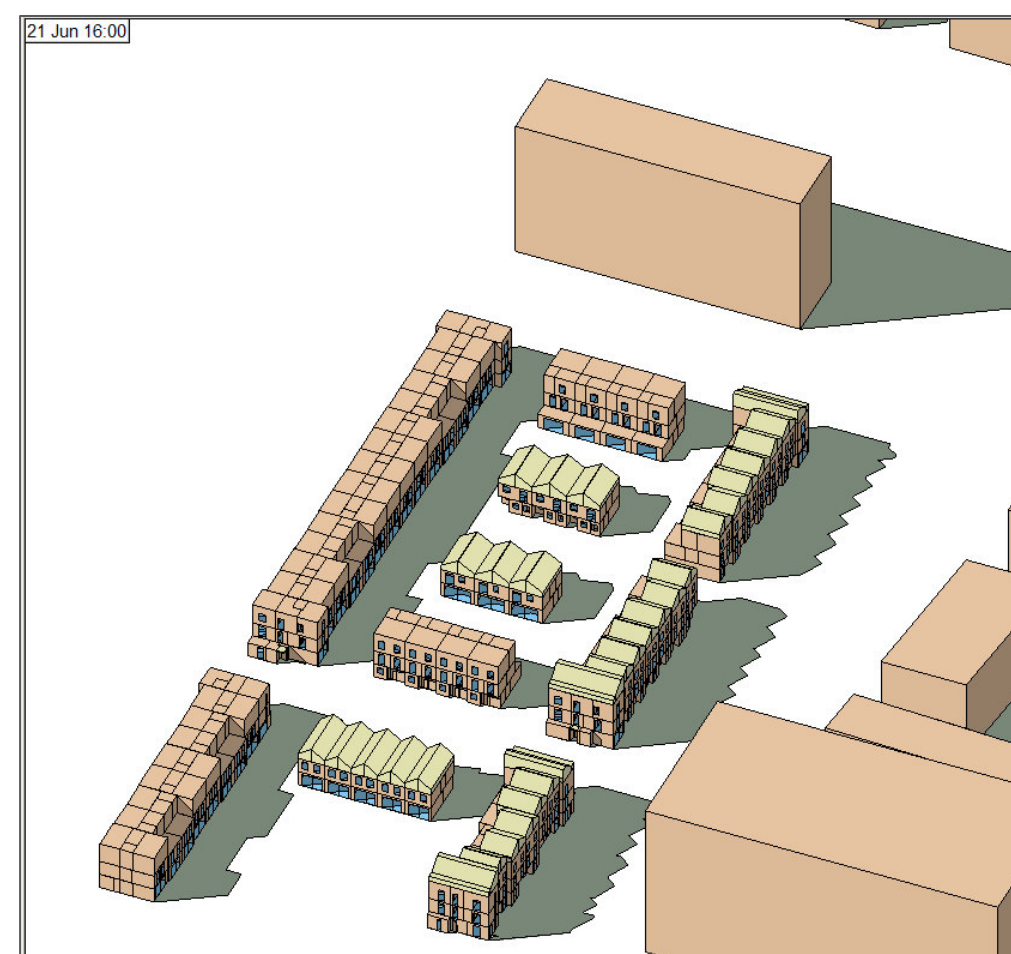
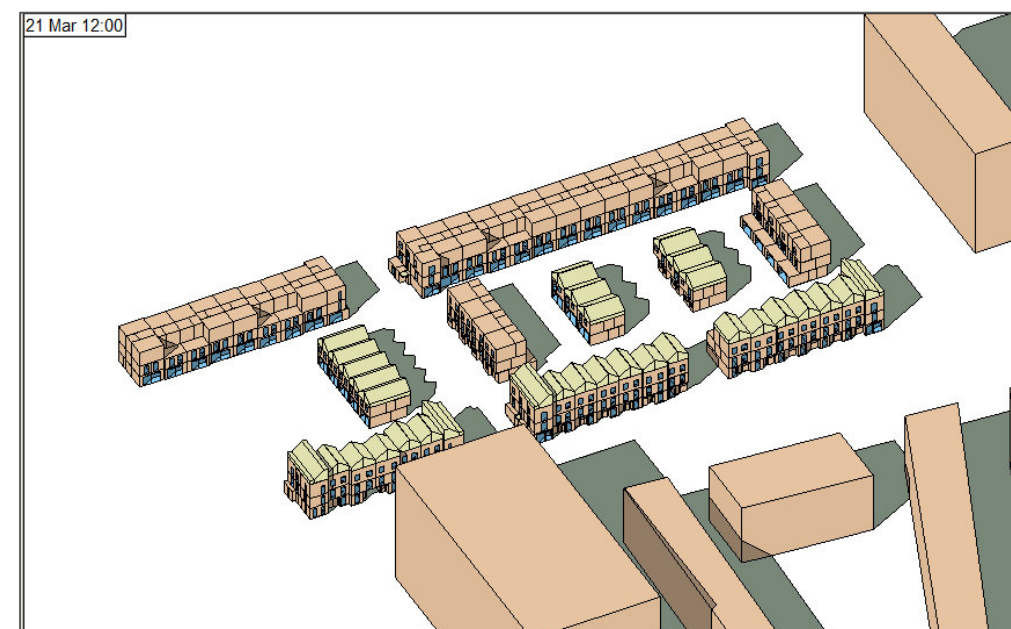
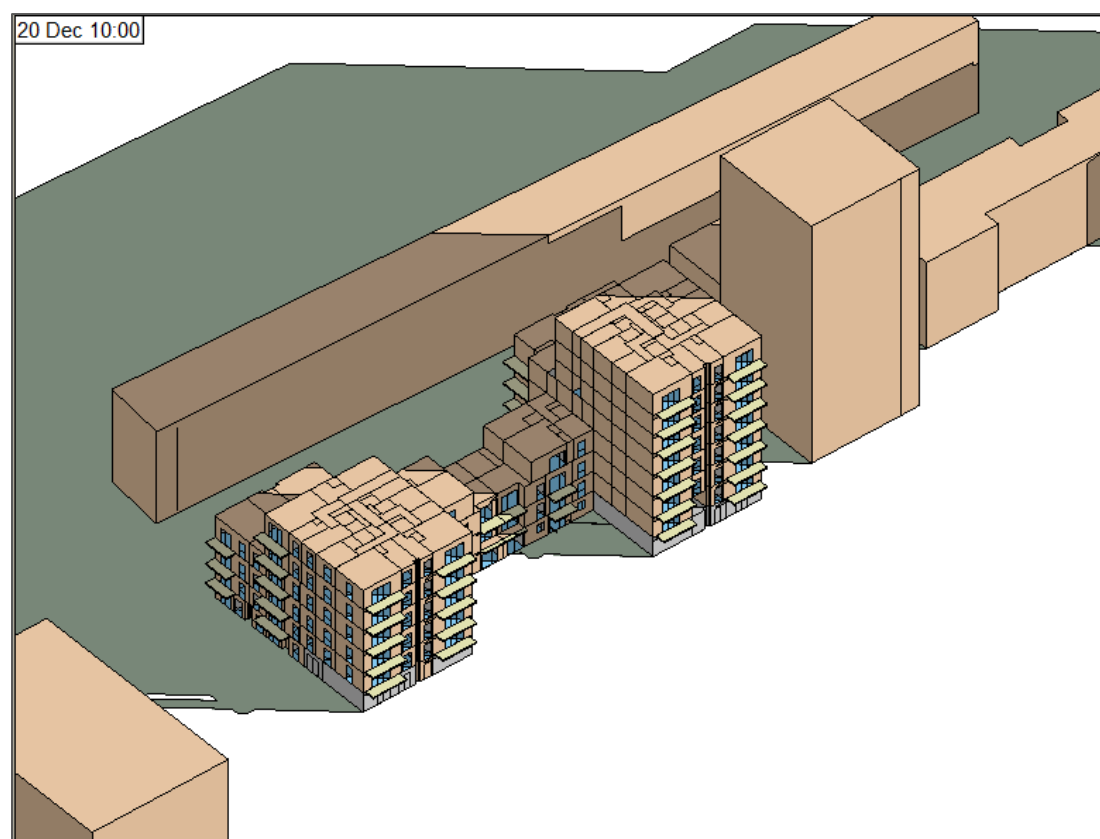
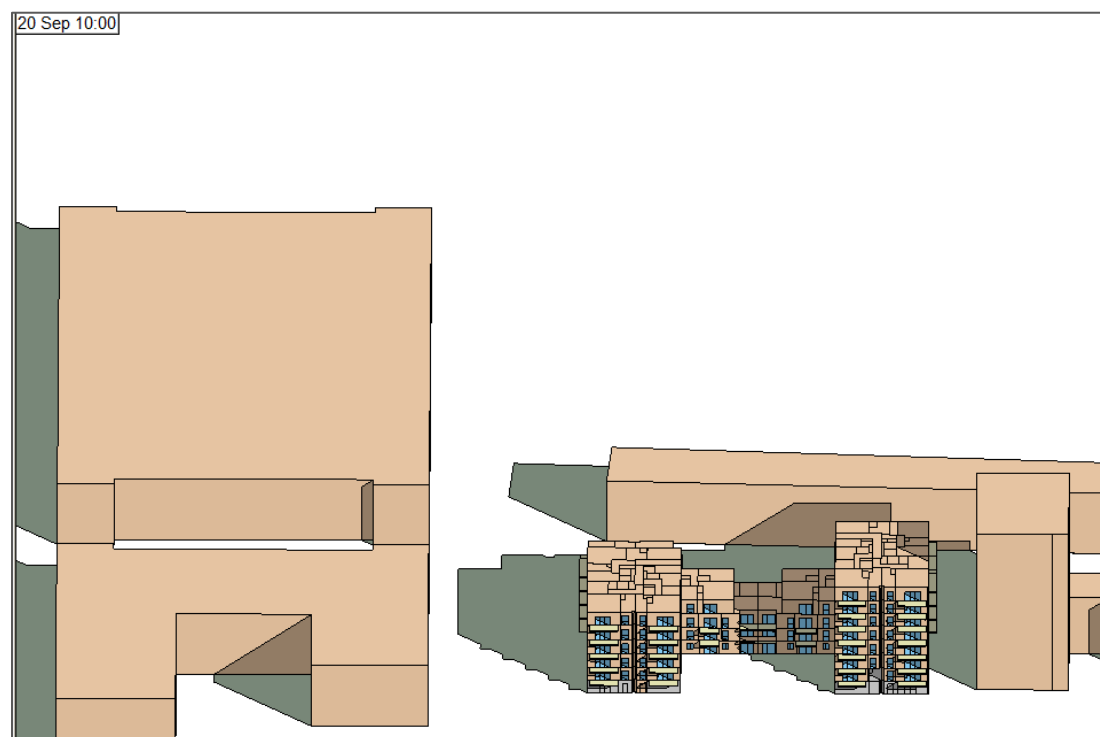
Block	Number of assessed rooms	Number of rooms passed	Number of rooms failed
T	237	234	3
I	277	268	9
13 & 16	339	328	21
Total	853	820	33

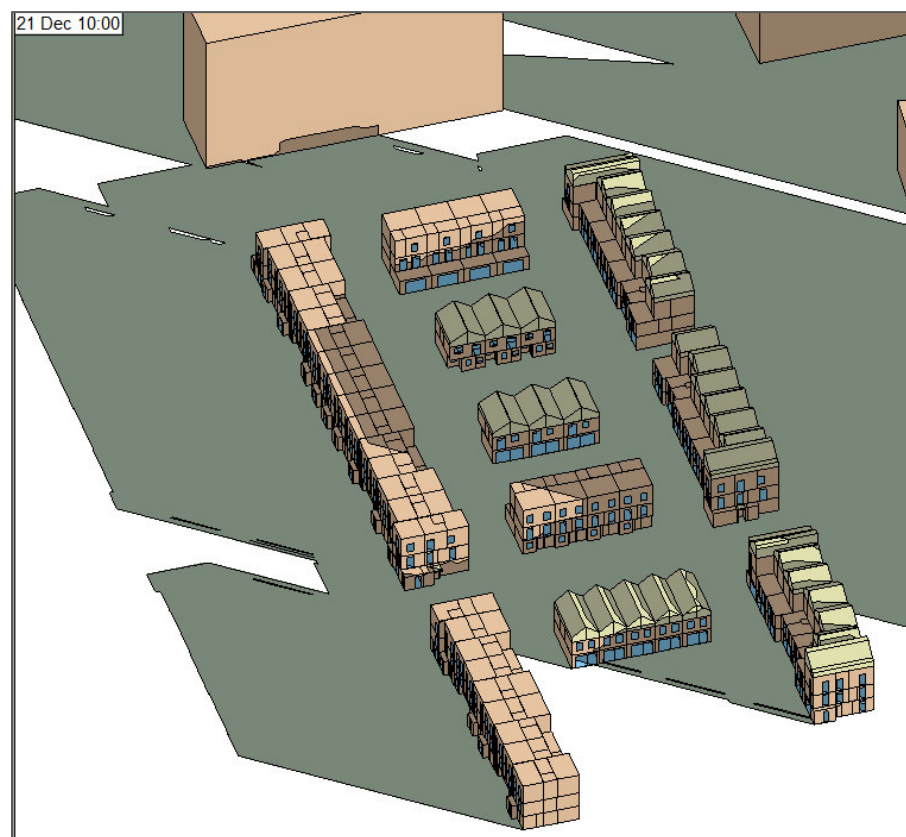
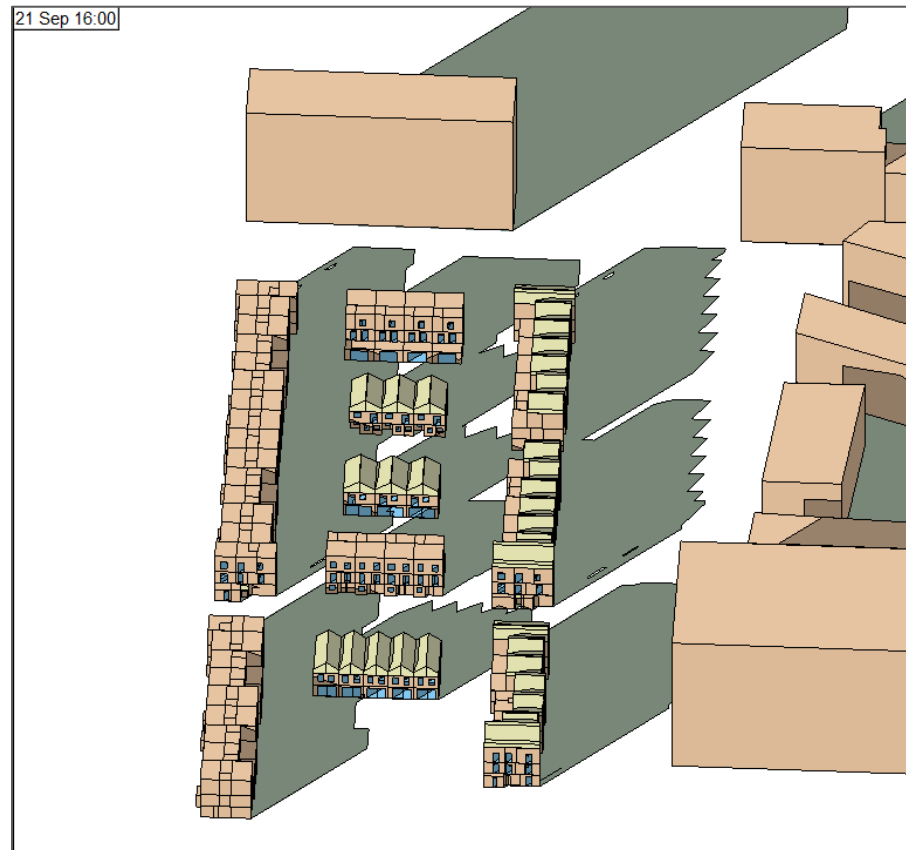
In conclusion, all the blocks phase 2A including apartment blocks of T and I and house blocks of 13 & 16 would achieve BRE requirements in regard to the daylight and sunlight with most of the tested rooms achieving values of ADF, VSC and APSH above the recommendation from BRE guidance for daylight and sunlight. It also shows that there is no impact on reducing the level of daylight and sunlight access to surrounding existing buildings, which are far enough away from the development.

## Appendix A. Sunlight Images





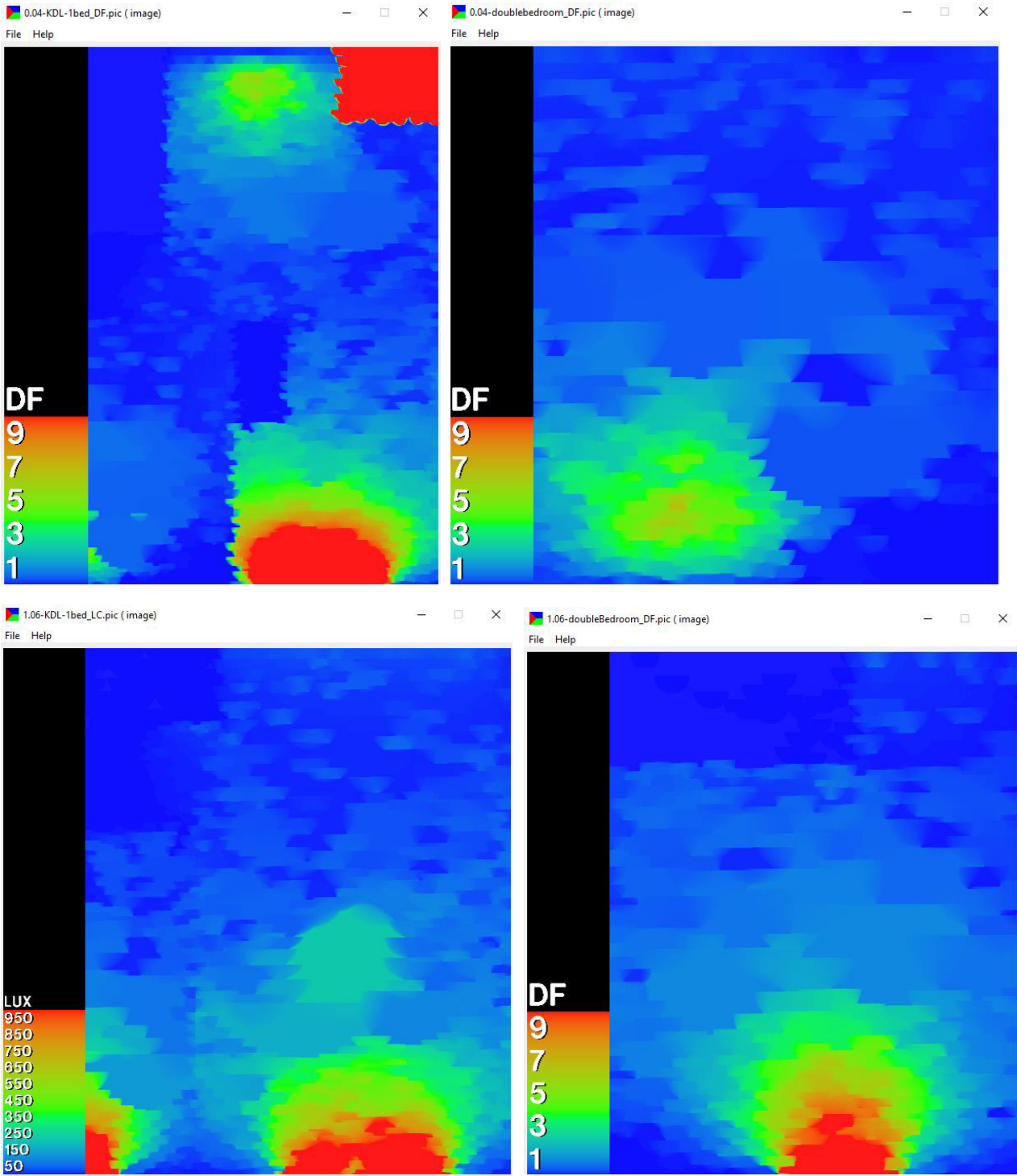
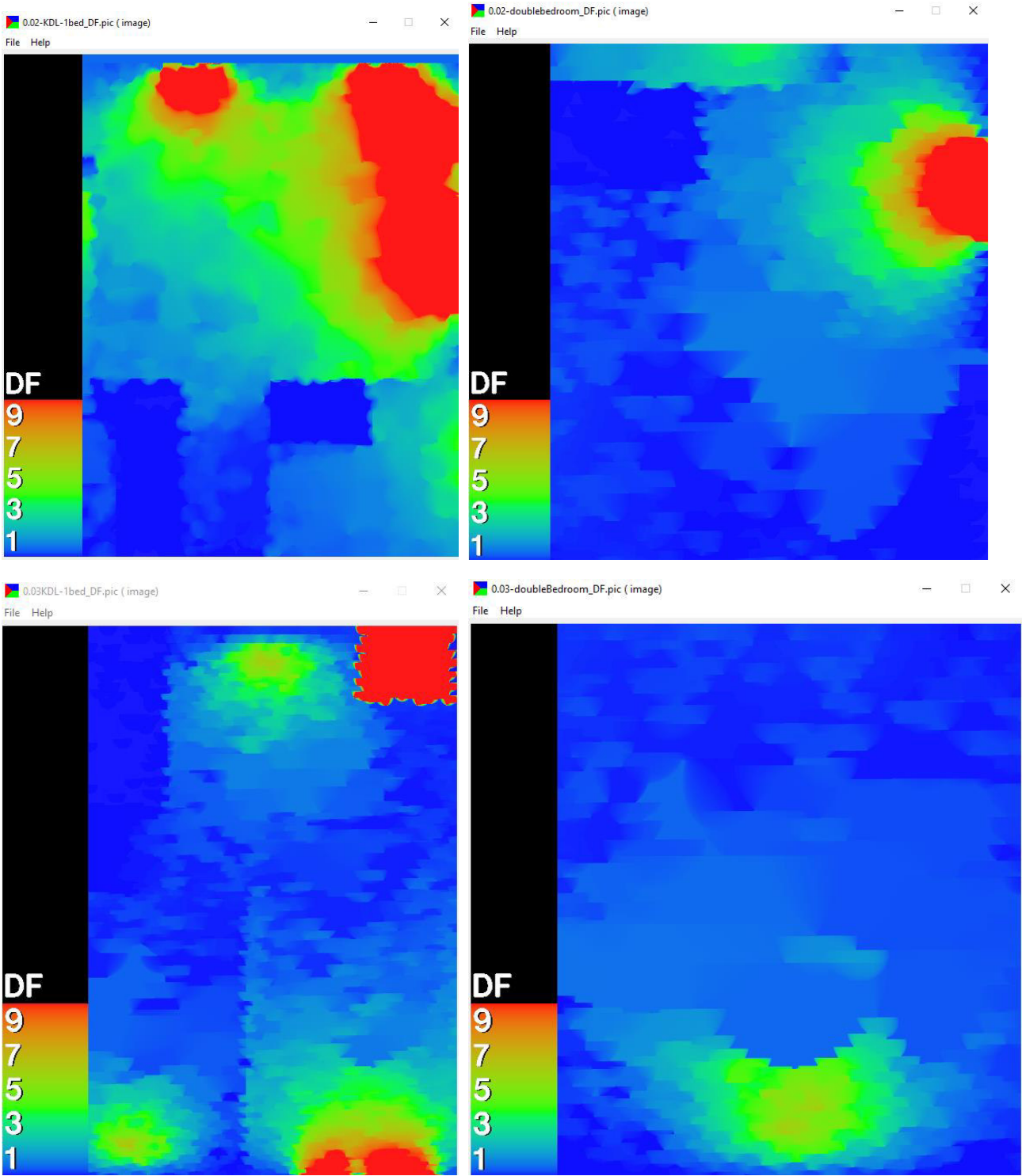


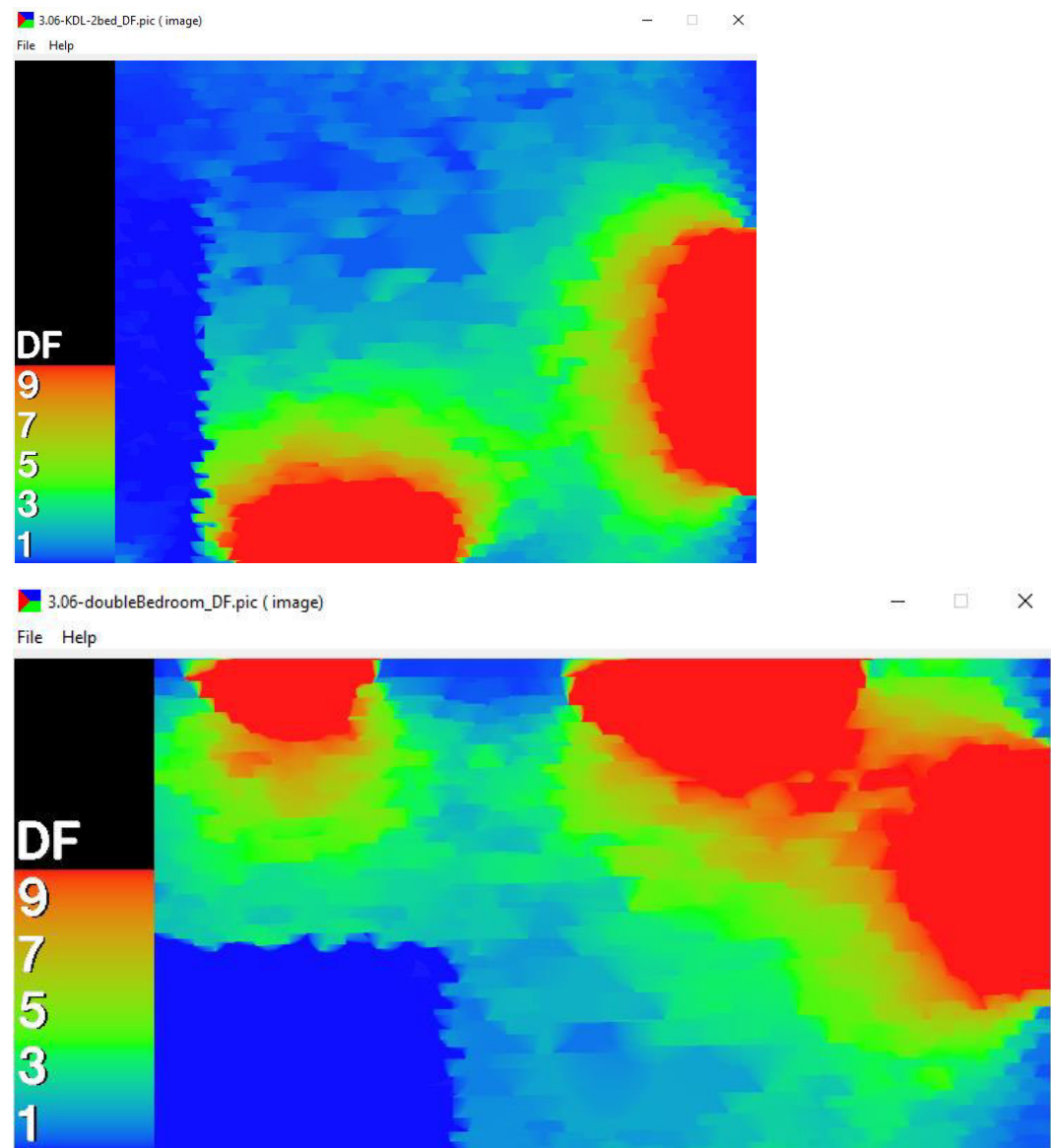
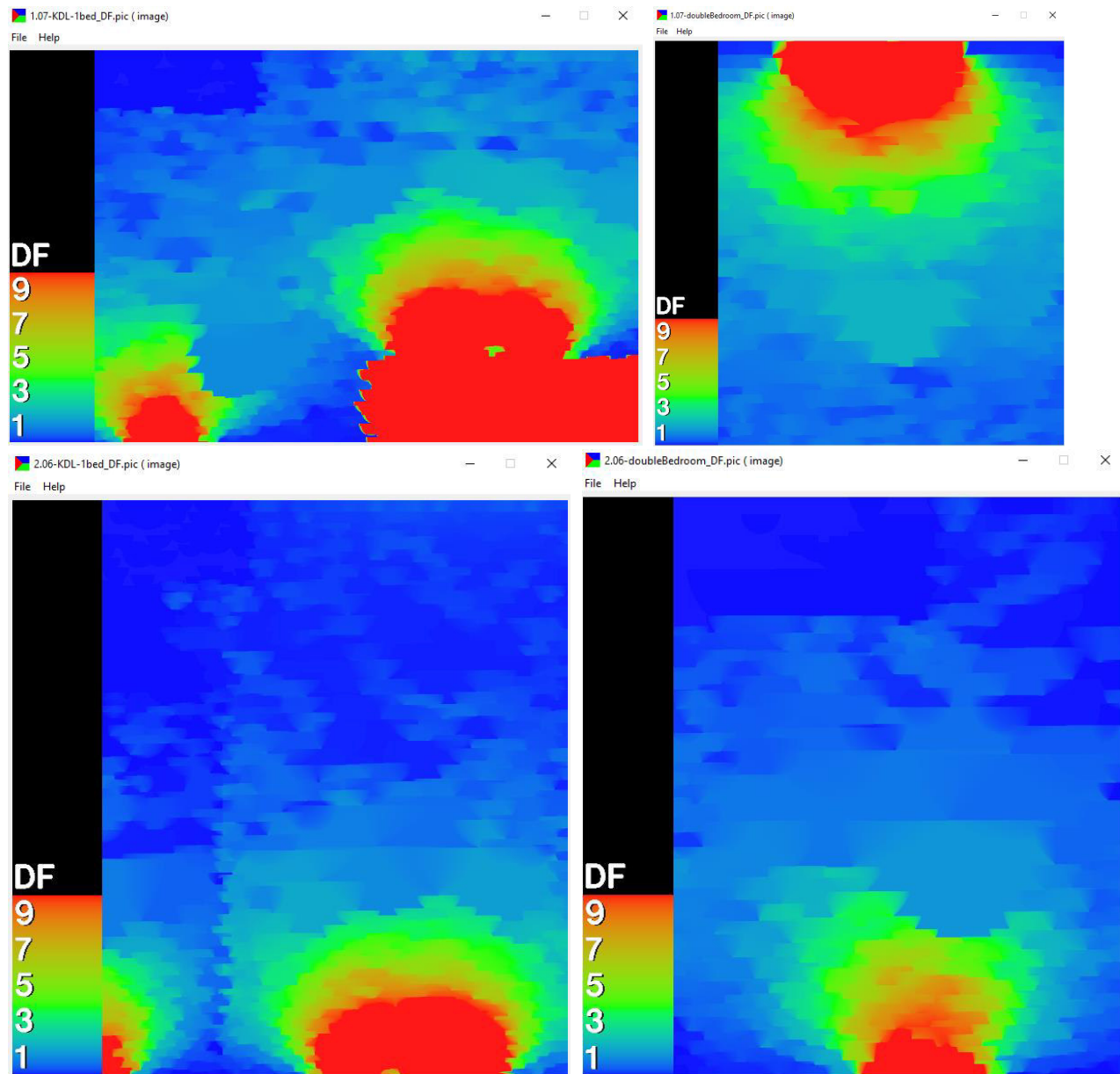




Appendix B Daylight Factor Image/Result samples

Block I







## Appendix C. Vertical Sky Component results

Block T VSC result					
Zone	Surface	Opening	VSC	Pane status	Result
[00000002]	2	0	39.91	Pass	Pass
[00000002]	2	1	39.95	Pass	
[00000003]	2	0	40.11	Pass	Pass
[00000003]	2	1	39.98	Pass	
[00000004]	2	0	39.87	Pass	Pass
[00000004]	2	1	40.04	Pass	
[00000005]	2	0	40.02	Pass	Pass
[00000005]	2	1	40.1	Pass	
[00000005]	3	0	40.05	Pass	
[00000005]	3	1	40.03	Pass	
[00000005]	4	0	24.02	Fail	
[00000005]	4	1	21.64	Fail	
[00000005]	4	2	18.3	Fail	
[0000000A]	2	0	40.02	Pass	Pass
[0000000A]	2	1	40.06	Pass	
[0000000B]	2	0	40.11	Pass	Pass
[0000000B]	2	1	40.02	Pass	
[0000000D]	2	0	39.98	Pass	Pass
[0000000D]	2	1	40	Pass	
[00000012]	2	0	39.99	Pass	Pass
[00000012]	2	1	39.94	Pass	
[00000013]	2	0	39.95	Pass	Pass
[00000013]	2	1	40.02	Pass	
[00000015]	2	0	20.63	Fail	Fail
[00000015]	2	1	22.62	Fail	
[00000015]	2	2	16.67	Fail	
[00000015]	2	3	24.32	Fail	

[00000015]	3	0	40	Pass	
[00000015]	3	1	40.1	Pass	
[00000015]	3	2	40.08	Pass	
[00000015]	3	3	40.05	Pass	
[00000018]	2	0	40.01	Pass	Pass
[00000018]	2	1	39.88	Pass	
[00000019]	8	0	18.67	Fail	Pass
[00000019]	8	1	19.2	Fail	
[00000019]	8	2	14.59	Fail	
[00000019]	8	3	15.81	Fail	
[0000001C]	2	0	39.88	Pass	Pass
[0000001C]	2	1	39.91	Pass	
[0000001D]	6	0	17.15	Fail	Pass
[0000001D]	6	1	19.67	Fail	
[00000020]	2	0	39.96	Pass	Pass
[00000020]	2	1	40.06	Pass	
[00000020]	2	2	40.06	Pass	
[00000020]	2	3	39.95	Pass	
[00000021]	2	0	24.58	Fail	Pass
[00000021]	2	1	21.28	Fail	
[00000021]	2	2	16.75	Fail	
[10000002]	2	0	40.08	Pass	Pass
[10000002]	2	1	39.84	Pass	
[10000003]	2	0	39.96	Pass	Pass
[10000003]	2	1	39.99	Pass	
[10000004]	2	0	39.98	Pass	Pass
[10000004]	2	1	39.92	Pass	
[10000005]	2	0	39.94	Pass	Pass
[10000005]	2	1	39.98	Pass	
[10000005]	3	0	39.9	Pass	
[10000005]	3	1	39.94	Pass	
[10000005]	4	0	39.62	Pass	



[10000005]	4	1	39.64	Pass	
[10000005]	4	2	39.68	Pass	
[1000000A]	2	0	39.88	Pass	Pass
[1000000A]	2	1	40.08	Pass	
[1000000B]	2	0	40.01	Pass	Pass
[1000000B]	2	1	39.9	Pass	
[1000000D]	2	0	40.07	Pass	Pass
[1000000D]	2	1	40.18	Pass	
[1000000D]	4	0	39.7	Pass	
[1000000D]	4	1	39.63	Pass	
[1000000D]	4	2	39.53	Pass	
[1000000D]	4	3	39.62	Pass	
[10000012]	2	0	40.09	Pass	Pass
[10000012]	2	1	40.12	Pass	
[10000013]	2	0	40.02	Pass	Pass
[10000013]	2	1	39.95	Pass	
[10000015]	2	0	39.62	Pass	Pass
[10000015]	2	1	39.65	Pass	
[10000015]	2	2	39.54	Pass	
[10000015]	2	3	39.63	Pass	
[10000015]	3	0	39.99	Pass	
[10000015]	3	1	39.95	Pass	
[10000015]	3	2	40.05	Pass	
[10000015]	3	3	39.89	Pass	
[10000018]	1	0	40.1	Pass	Pass
[10000018]	1	1	39.85	Pass	
[10000019]	6	0	39.58	Pass	Pass
[10000019]	6	1	39.61	Pass	
[10000019]	6	2	39.61	Pass	
[10000019]	6	3	39.6	Pass	
[1000001C]	3	0	39.92	Pass	Pass
[1000001C]	3	1	40.07	Pass	

[1000001D]	7	0	39.57	Pass	Pass
[1000001D]	7	1	39.45	Pass	
[1000001D]	7	2	39.65	Pass	
[1000001D]	7	3	39.8	Pass	
[10000021]	11	0	40.05	Pass	Pass
[10000021]	11	1	39.87	Pass	
[10000022]	5	0	39.47	Pass	Pass
[10000022]	5	1	39.68	Pass	
[10000022]	5	2	39.53	Pass	
[10000022]	5	3	39.66	Pass	
[10000025]	2	0	40.02	Pass	Pass
[10000025]	2	1	40.04	Pass	
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[10000026]	7	1	39.65	Pass	
[10000026]	7	2	39.61	Pass	
[10000026]	7	3	39.63	Pass	
[10000029]	2	0	40.06	Pass	Pass
[10000029]	2	1	39.92	Pass	
[10000029]	2	2	40.19	Pass	
[10000029]	2	3	39.93	Pass	
[1000002A]	2	0	39.44	Pass	Pass
[1000002A]	2	1	39.46	Pass	
[1000002A]	2	2	39.67	Pass	
[20000002]	2	0	40.01	Pass	Pass
[20000002]	2	1	39.86	Pass	
[20000003]	2	0	40.08	Pass	Pass
[20000003]	2	1	40.11	Pass	
[20000004]	2	0	40.07	Pass	Pass
[20000004]	2	1	39.96	Pass	
[20000005]	2	0	40.06	Pass	Pass
[20000005]	2	1	39.83	Pass	
[20000005]	3	0	39.97	Pass	

[20000005]	3	1	39.97	Pass	
[20000005]	4	0	39.91	Pass	
[20000005]	4	1	39.9	Pass	
[20000005]	4	2	39.87	Pass	
[2000000A]	2	0	40.03	Pass	Pass
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[2000000B]	2	1	39.93	Pass	
[2000000D]	2	0	39.97	Pass	Pass
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[2000000D]	4	0	39.95	Pass	
[2000000D]	4	1	40	Pass	
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[2000000D]	4	3	39.99	Pass	
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[20000012]	2	1	40.01	Pass	
[20000013]	2	0	39.92	Pass	Pass
[20000013]	2	1	39.98	Pass	
[20000015]	2	0	39.98	Pass	Pass
[20000015]	2	1	39.78	Pass	
[20000015]	2	2	39.99	Pass	
[20000015]	2	3	39.84	Pass	
[20000015]	3	0	39.98	Pass	
[20000015]	3	1	40.13	Pass	
[20000015]	3	2	39.95	Pass	
[20000015]	3	3	39.99	Pass	
[20000018]	1	0	39.97	Pass	Pass
[20000018]	1	1	39.85	Pass	
[20000019]	6	0	39.92	Pass	Pass
[20000019]	6	1	40.09	Pass	
[20000019]	6	2	39.9	Pass	
[20000019]	6	3	40.04	Pass	
[2000001C]	2	0	40	Pass	Pass

[2000001C]	2	1	40.01	Pass	
[2000001D]	4	0	40.06	Pass	Pass
[2000001D]	4	1	39.99	Pass	
[2000001D]	4	2	39.84	Pass	
[2000001D]	4	3	39.96	Pass	
[20000021]	11	0	39.94	Pass	Pass
[20000021]	11	1	39.95	Pass	
[20000022]	5	0	39.84	Pass	Pass
[20000022]	5	1	39.97	Pass	
[20000022]	5	2	39.93	Pass	
[20000022]	5	3	39.96	Pass	
[20000025]	2	0	39.91	Pass	Pass
[20000025]	2	1	39.94	Pass	
[20000026]	7	0	39.82	Pass	Pass
[20000026]	7	1	39.94	Pass	
[20000026]	7	2	39.94	Pass	
[20000026]	7	3	39.94	Pass	
[20000029]	2	0	40.06	Pass	Pass
[20000029]	2	1	40.04	Pass	
[20000029]	2	2	40.12	Pass	
[20000029]	2	3	40.02	Pass	
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[2000002A]	2	2	40.05	Pass	
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[30000002]	2	1	40.02	Pass	
[30000003]	2	0	40	Pass	Pass
[30000003]	2	1	40.08	Pass	
[30000004]	2	0	39.92	Pass	Pass
[30000004]	2	1	39.85	Pass	
[30000005]	2	0	39.87	Pass	Pass

[30000005]	2	1	39.99	Pass	
[30000005]	3	0	40.04	Pass	
[30000005]	3	1	40	Pass	
[30000005]	4	0	39.89	Pass	
[30000005]	4	1	40.03	Pass	
[30000005]	4	2	39.97	Pass	
[3000000A]	2	0	39.86	Pass	Pass
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[3000000D]	2	0	39.87	Pass	Pass
[3000000D]	2	1	40.02	Pass	
[3000000D]	4	0	39.95	Pass	
[3000000D]	4	1	39.95	Pass	
[3000000D]	4	2	39.95	Pass	
[3000000D]	4	3	39.86	Pass	
[30000012]	2	0	39.98	Pass	Pass
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[30000019]	6	1	39.93	Pass	
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[30000022]	5	2	39.97	Pass	
[30000022]	5	3	39.95	Pass	
[30000025]	2	0	40.11	Pass	Pass
[30000025]	2	1	40.11	Pass	
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[30000026]	7	1	39.98	Pass	
[30000026]	7	2	39.99	Pass	
[30000026]	7	3	40	Pass	
[30000029]	2	0	40.08	Pass	Pass
[30000029]	2	1	39.99	Pass	
[30000029]	2	2	39.97	Pass	
[30000029]	2	3	40.01	Pass	
[3000002A]	2	0	40.01	Pass	Pass
[3000002A]	2	1	39.96	Pass	
[3000002A]	2	2	40.08	Pass	
[40000002]	2	0	39.91	Pass	Pass
[40000002]	2	1	40.05	Pass	
[40000003]	2	0	40.01	Pass	Pass
[40000003]	2	1	39.99	Pass	
[40000004]	2	0	39.98	Pass	Pass
[40000004]	2	1	39.98	Pass	

[40000005]	2	0	40.09	Pass	Pass
[40000005]	2	1	40.03	Pass	
[40000005]	3	0	39.92	Pass	
[40000005]	3	1	39.96	Pass	
[40000005]	4	0	40.05	Pass	
[40000005]	4	1	39.87	Pass	
[40000005]	4	2	39.99	Pass	
[4000000A]	2	0	40	Pass	Pass
[4000000A]	2	1	40.02	Pass	
[4000000B]	2	0	39.95	Pass	Pass
[4000000B]	2	1	40.06	Pass	
[4000000D]	2	0	40	Pass	Pass
[4000000D]	2	1	39.94	Pass	
[4000000D]	4	0	39.91	Pass	
[4000000D]	4	1	40.02	Pass	
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[40000015]	2	1	40.07	Pass	
[40000015]	2	2	40.04	Pass	
[40000015]	2	3	40.06	Pass	
[40000015]	3	0	39.95	Pass	
[40000015]	3	1	39.93	Pass	
[40000015]	3	2	40	Pass	
[40000015]	3	3	39.91	Pass	
[40000018]	1	0	39.99	Pass	Pass
[40000018]	1	1	40.13	Pass	
[40000019]	6	0	40	Pass	Pass
[40000019]	6	1	40.03	Pass	

[40000019]	6	2	40.08	Pass	
[40000019]	6	3	40.04	Pass	
[4000001C]	2	0	39.95	Pass	Pass
[4000001C]	2	1	39.99	Pass	
[4000001D]	4	0	39.93	Pass	Pass
[4000001D]	4	1	40.05	Pass	
[4000001D]	4	2	39.9	Pass	
[4000001D]	4	3	40.02	Pass	
[4000001D]	4	4	40.05	Pass	
[40000021]	11	0	39.94	Pass	Pass
[40000021]	11	1	40.02	Pass	
[40000022]	5	0	39.81	Pass	Pass
[40000022]	5	1	40.14	Pass	
[40000022]	5	2	39.92	Pass	
[40000022]	5	3	40.08	Pass	
[40000025]	2	0	39.96	Pass	Pass
[40000025]	2	1	39.99	Pass	
[40000026]	7	0	39.94	Pass	Pass
[40000026]	7	1	39.87	Pass	
[40000026]	7	2	40.04	Pass	
[40000026]	7	3	39.92	Pass	
[40000029]	2	0	39.85	Pass	Pass
[40000029]	2	1	40	Pass	
[40000029]	2	2	40.05	Pass	
[40000029]	2	3	39.9	Pass	
[4000002A]	2	0	40.05	Pass	Pass
[4000002A]	2	1	39.91	Pass	
[4000002A]	2	2	40.03	Pass	
[50000002]	2	0	40.02	Pass	Pass
[50000002]	2	1	39.95	Pass	
[50000003]	2	0	39.9	Pass	Pass
[50000003]	2	1	40.09	Pass	



[50000004]	2	0	40.01	Pass	Pass
[50000004]	2	1	39.88	Pass	
[50000005]	2	0	40.14	Pass	Pass
[50000005]	2	1	39.95	Pass	
[50000005]	3	0	40.03	Pass	
[50000005]	3	1	40.05	Pass	
[50000005]	4	0	40.02	Pass	
[50000005]	4	1	39.87	Pass	
[50000005]	4	2	40.1	Pass	
[5000000A]	2	0	39.88	Pass	Pass
[5000000A]	2	1	40.08	Pass	
[5000000B]	2	0	40.04	Pass	Pass
[5000000B]	2	1	39.83	Pass	
[5000000D]	2	0	40.07	Pass	Pass
[5000000D]	2	1	40.07	Pass	
[5000000D]	4	0	39.97	Pass	
[5000000D]	4	1	39.96	Pass	
[5000000D]	4	2	39.96	Pass	
[5000000D]	4	3	39.94	Pass	
[50000012]	2	0	40.05	Pass	Pass
[50000012]	2	1	39.92	Pass	
[50000013]	2	0	39.9	Pass	Pass
[50000013]	2	1	40.03	Pass	
[50000015]	2	0	40.03	Pass	Pass
[50000015]	2	1	40.02	Pass	
[50000015]	2	2	40.02	Pass	
[50000015]	2	3	39.98	Pass	
[50000015]	3	0	39.99	Pass	
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[50000015]	3	2	39.99	Pass	
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[50000018]	1	1	39.94	Pass	

[50000019]	6	0	39.88	Pass	Pass
[50000019]	6	1	39.89	Pass	
[50000019]	6	2	39.88	Pass	
[50000019]	6	3	39.89	Pass	
[5000001C]	3	0	39.9	Pass	Pass
[5000001C]	3	1	39.94	Pass	
[5000001D]	7	0	39.98	Pass	Pass
[5000001D]	7	1	39.98	Pass	
[5000001D]	7	2	39.98	Pass	
[5000001D]	7	3	39.97	Pass	
[50000021]	11	0	40.06	Pass	Pass
[50000021]	11	1	40.01	Pass	
[50000022]	5	0	39.84	Pass	Pass
[50000022]	5	1	39.84	Pass	
[50000022]	5	2	39.83	Pass	
[50000022]	5	3	40.03	Pass	
[50000025]	2	0	40	Pass	Pass
[50000025]	2	1	40.01	Pass	
[50000026]	7	0	39.98	Pass	Pass
[50000026]	7	1	39.98	Pass	
[50000026]	7	2	39.98	Pass	
[50000026]	7	3	40.01	Pass	
[50000029]	2	0	39.99	Pass	Pass
[50000029]	2	1	40	Pass	
[50000029]	2	2	39.95	Pass	
[50000029]	2	3	39.9	Pass	
[5000002A]	2	0	39.83	Pass	Pass
[5000002A]	2	1	40	Pass	
[5000002A]	2	2	39.98	Pass	
[60000002]	2	0	39.99	Pass	Pass
[60000002]	2	1	40.14	Pass	

[60000003]	2	0	39.93	Pass	Pass
[60000003]	2	1	39.95	Pass	
[60000004]	2	0	39.8	Pass	Pass
[60000004]	2	1	39.88	Pass	
[60000005]	2	0	39.9	Pass	Pass
[60000005]	2	1	40	Pass	
[60000005]	3	0	40.05	Pass	
[60000005]	3	1	40	Pass	
[60000005]	4	0	40	Pass	
[60000005]	4	1	39.97	Pass	
[60000005]	4	2	39.97	Pass	
[60000009]	11	0	40.1	Pass	Pass
[60000009]	11	1	39.94	Pass	
[6000000A]	4	0	40.02	Pass	Pass
[6000000A]	4	1	40.01	Pass	
[6000000A]	4	2	40.02	Pass	
[6000000A]	4	3	39.9	Pass	
[6000000A]	5	0	39.96	Pass	
[6000000A]	5	1	39.88	Pass	
[6000000D]	2	0	39.92	Pass	Pass
[6000000D]	2	1	39.85	Pass	
[6000000E]	7	0	39.82	Pass	Pass
[6000000E]	7	1	40.05	Pass	
[6000000E]	7	2	40.03	Pass	
[6000000E]	7	3	40.04	Pass	
[60000011]	2	0	39.96	Pass	Pass
[60000011]	2	1	39.99	Pass	
[60000011]	2	2	40.01	Pass	
[60000011]	2	3	39.89	Pass	
[60000012]	2	0	39.9	Pass	Pass
[60000012]	2	1	40.03	Pass	
[60000012]	2	2	40.01	Pass	
[6F000000]	7	0	39.95	Pass	Pass

[6F000000]	7	1	39.77	Pass	
[CM000002]	4	0	39.67	Pass	Pass
[CM000002]	4	1	39.68	Pass	
[CM000003]	0	0	40.01	Pass	Pass
[CM000003]	0	1	39.96	Pass	
[CM000003]	12	0	39.51	Pass	
[CM000003]	12	1	39.63	Pass	
[CM000005]	0	0	39.96	Pass	Pass
[CM000005]	0	1	40.01	Pass	
[CM000005]	12	0	39.79	Pass	
[CM000005]	12	1	39.77	Pass	
[CM000006]	4	0	39.91	Pass	Pass
[CM000006]	4	1	39.72	Pass	
[CM000008]	4	0	39.89	Pass	Pass
[CM000008]	4	1	40	Pass	
[CM000009]	0	0	39.95	Pass	Pass
[CM000009]	0	1	40.03	Pass	
[CM000009]	12	0	39.86	Pass	
[CM000009]	12	1	39.91	Pass	
[CM00000C]	0	0	40.03	Pass	Pass
[CM00000C]	0	1	40.12	Pass	
[CM00000C]	12	0	39.99	Pass	
[CM00000C]	12	1	40.01	Pass	
[CM00000D]	4	0	39.91	Pass	Pass
[CM00000D]	4	1	39.87	Pass	
[CM00000E]	0	0	40.04	Pass	Pass
[CM00000E]	0	1	39.97	Pass	
[CM000010]	0	0	39.9	Pass	Pass
[CM000010]	0	1	39.92	Pass	
[CM000010]	12	0	39.52	Pass	
[CM000010]	12	1	39.19	Pass	

[CM000011]	4	0	39.39	Pass	Pass
[CM000011]	4	1	39.2	Pass	
[CM000014]	2	0	39.93	Pass	Pass
[CM000014]	2	1	39.98	Pass	
[NT000000]	2	0	33.5	Pass	Pass

Block I VSC results					
Zone	Surface	Opening	VSC	Each Pane status	Overall Status
[00000004]	2	0	27.23	Pass	PASS
[00000004]	2	1	25.93	Fail	
[00000005]	2	0	20.58	Fail	PASS
[00000005]	2	1	20.29	Fail	
[00000005]	3	0	25.77	Fail	
[00000005]	3	1	26.72	Fail	
[00000005]	3	2	24.43	Fail	
[00000005]	3	3	23.97	Fail	
[00000006]	11	0	26.28	Fail	PASS
[00000006]	11	1	27.37	Pass	
[0000000B]	2	0	21.14	Fail	PASS
[0000000B]	2	1	19.76	Fail	
[0000000B]	2	2	20.07	Fail	
[0000000B]	2	3	18.85	Fail	
[0000000E]	3	0	21.34	Fail	PASS
[0000000E]	3	1	21.05	Fail	
[0000000F]	2	0	19.49	Fail	PASS
[0000000F]	2	1	18.44	Fail	
[0000000F]	3	0	19	Fail	
[0000000F]	3	1	21.38	Fail	
[00000013]	2	0	30.63	Pass	PASS

[00000013]	2	1	29.95	Pass	
[00000014]	2	0	23.05	Fail	PASS
[00000014]	2	1	23.06	Fail	
[00000014]	5	0	30.7	Pass	
[00000014]	5	1	30.82	Pass	
[00000018]	3	0	29.77	Pass	PASS
[00000018]	3	1	30.43	Pass	
[00000019]	4	0	22.74	Fail	PASS
[00000019]	4	1	22.79	Fail	
[00000019]	5	0	30.66	Pass	
[00000019]	5	1	30.56	Pass	
[0000001C]	7	0	21.38	Fail	PASS
[0000001C]	7	1	21.36	Fail	
[0000001D]	7	1	18.24	Fail	PASS
[0000001D]	7	2	17.57	Fail	
[0000001D]	11	0	18.83	Fail	
[0000001D]	11	1	21.46	Fail	
[00000021]	3	0	15.55	Fail	PASS
[00000021]	3	1	16.81	Fail	
[00000021]	3	2	15.74	Fail	
[00000021]	3	3	17.06	Fail	
[00000027]	3	0	5.98	Fail	FAIL
[00000027]	3	1	5.9	Fail	
[00000028]	2	0	4.53	Fail	PASS
[00000028]	2	1	5.75	Fail	
[00000028]	3	0	16.64	Fail	
[00000028]	3	1	15.18	Fail	
[00000028]	3	2	15.27	Fail	
[00000028]	3	3	16.37	Fail	
[00000029]	3	0	4.68	Fail	FAIL
[00000029]	3	1	5.86	Fail	
[0000002D]	2	0	5.96	Fail	FAIL

[0000002D]	2	1	5.26	Fail	
[0000002E]	4	0	2.57	Fail	FAIL
[0000002E]	4	1	2.95	Fail	
[01000002]	2	0	27.87	Pass	PASS
[01000002]	2	1	28.53	Pass	
[01000003]	2	0	18.09	Fail	PASS
[01000003]	2	1	19.19	Fail	
[10000006]	2	0	28.51	Pass	PASS
[10000006]	2	1	27.68	Pass	
[10000006]	2	2	27.72	Pass	
[1000000D]	3	0	36.9	Pass	PASS
[1000000D]	3	1	37.58	Pass	
[1000000E]	2	0	33.37	Pass	PASS
[1000000E]	2	1	32.53	Pass	
[1000000F]	3	0	28.03	Pass	PASS
[1000000F]	3	1	27.74	Pass	
[1000000F]	3	2	27.71	Pass	
[1000000F]	4	0	34.28	Pass	
[1000000F]	4	1	33.36	Pass	
[10000010]	6	0	36.36	Pass	PASS
[10000010]	6	1	37.48	Pass	
[10000017]	2	0	30.73	Pass	PASS
[10000017]	2	1	30.39	Pass	
[10000018]	2	0	33.42	Pass	PASS
[10000018]	2	1	32.33	Pass	
[10000019]	2	0	20.59	Fail	PASS
[10000019]	2	1	20.75	Fail	
[10000019]	2	2	21.06	Fail	
[1000001E]	2	0	26.86	Fail	PASS
[1000001E]	2	1	27.81	Pass	

[1000001F]	2	0	30.71	Pass	PASS
[1000001F]	2	1	30.17	Pass	
[10000020]	2	0	22.4	Fail	PASS
[10000020]	2	1	22.05	Fail	
[10000020]	2	2	30.44	Pass	
[10000020]	2	3	30.49	Pass	
[10000020]	3	0	29.96	Pass	
[10000020]	3	1	28.36	Pass	
[10000025]	2	0	22.58	Fail	PASS
[10000025]	2	1	23.97	Fail	
[10000025]	2	2	23.01	Fail	
[10000025]	2	3	25.15	Fail	
[10000029]	3	0	21.82	Fail	PASS
[10000029]	3	1	21.54	Fail	
[1000002A]	2	0	20.88	Fail	PASS
[1000002A]	2	1	18.63	Fail	
0 [1000002D]	2	0	23.9	1 Fail	PASS
1 [1000002D]	2	1	25.5	8 Fail	
2 [1000002E]	2	0	26.3	7 Fail	PASS
3 [1000002E]	2	1	26	2 Fail	
4 [1000002F]	3	0	31.2	3 Pass	PASS
5 [1000002F]	3	1	30.7	3 Pass	
6 [1000002F]	7	0	19.8	8 Fail	
7 [1000002F]	7	1	19.8	5 Fail	
8 [10000032]	2	0	23.1	8 Fail	PASS
9 [10000032]	2	1	24.5	1 Fail	
0 [10000033]	4	0	26.3	0 Fail	PASS
1 [10000033]	4	1	25.9	5 Fail	
2 [10000034]	3	0	30.7	4 Pass	PASS
3 [10000034]	3	1	30.9	7 Pass	
4 [10000034]	5	0	20.2	3 Fail	



5 [10000034]	5	1	20	0 Fail	
6 [10000038]	3	0	21.7	2 Fail	PASS
7 [10000038]	3	1	21.4	0 Fail	
8 [10000039]	2	0	18.5	8 Fail	PASS
9 [10000039]	2	1	21.4	7 Fail	
0 [11000003]	3	0	19.4	4 Fail	PASS
1 [11000003]	3	1	21.3	7 Fail	
2 [11000003]	3	2	21.4	3 Fail	
3 [11000003]	3	3	19.7	2 Fail	
4 [11000008]	2	0	7.5	8 Fail	FAIL
5 [11000008]	2	1	7.7	0 Fail	
6 [11000009]	2	0	20.8	8 Fail	PASS
7 [11000009]	] 2	1	19.3	0 Fail	
8 [1100000A]	] 2	0	20.9	0 Fail	PASS
9 [1100000A]	] 2	1	19.2	1 Fail	
0 [1100000A]	] 3	0	6.6	2 Fail	
1 [1100000A]	] 3	1	4.7	6 Fail	
2 [1100000A]	] 3	2	8	2 Fail	
3 [1100000A]	] 3	3	7.8	5 Fail	
4 [11000011]	] 2	0	5.6	5 Fail	FAIL
5 [11000011]	] 2	1	6.5	2 Fail	
6 [11000012]	] 2	0	9.3	0 Fail	FAIL
7 [11000012]	] 2	1	8.7	8 Fail	
8 [11000013]	] 2	0	2.3	3 Fail	FAIL
9 [11000013]	] 2	1	2.3	3 Fail	
0 [11000013]	] 2	2	3	7 Fail	
1 [11000019]	] 2	0	37.4	8 Pass	PASS
2 [11000019]	] 2	1	36.7	4 Pass	
3 [1100001A]	] 2	0	12.4	8 Fail	FAIL
4 [1100001A]	] 2	1	12.2	5 Fail	

5 [1100001B]	] 2	0	19	8 Fail	PASS
6 [1100001B]	] 2	1	19.3	6 Fail	
7 [1100001B]	] 3	0	28.3	1 Pass	
8 [1100001B]	] 3	1	27.6	6 Pass	
9 [1100001B]	] 3	2	28.4	3 Pass	
0 [1100001C]	] 5	0	37.1	5 Pass	PASS
1 [1100001C]	] 5	1	38	7 Pass	
2 [11000024]	] 2	0	27.6	8 Pass	PASS
3 [11000024]	] 2	1	27.4	0 Pass	
4 [11000024]	] 2	2	28.6	8 Pass	
5 [1F000002]	] 2	0	16.6	9 Fail	PASS
6 [1F000002]	] 2	1	17.5	5 Fail	
7 [1F000002]	] 2	2	21.3	7 Fail	
8 [1F000002]	] 2	3	20.1	8 Fail	
9 [1F000007]	] 3	0	17.9	4 Fail	PASS
0 [1F000007]	] 3	1	19.4	2 Fail	
1 [1F000007]	] 3	2	22.8	8 Fail	
2 [1F000007]	] 3	3	21.5	7 Fail	
3 [20000006]	] 2	0	30.3	5 Pass	PASS
4 [20000006]	] 2	1	30.4	2 Pass	
5 [20000006]	] 2	2	30.8	8 Pass	
6 [2000000D]	] 3	0	36.9	4 Pass	PASS
7 [2000000D]	] 3	1	38.1	3 Pass	
8 [2000000E]	] 2	0	34.7	4 Pass	PASS
9 [2000000E]	] 2	1	35.8	0 Pass	
0 [2000000F]	] 3	0	30.1	3 Pass	PASS
1 [2000000F]	] 3	1	29.9	3 Pass	
2 [2000000F]	] 3	2	30.9	0 Pass	
3 [2000000F]	] 4	0	35.3	4 Pass	
4 [2000000F]	] 4	1	36	0 Pass	
5 [20000010]	] 6	0	37.9	4 Pass	PASS
6 [20000010]	] 6	1	36.6	1 Pass	

7 [20000017]	] 2	0	32.6	5 Pass	PASS
8 [20000017]	] 2	1	33.4	7 Pass	
9 [20000018]	] 2	0	34	9 Pass	PASS
0 [20000018]	] 2	1	35.1	5 Pass	
1 [20000019]	] 2	0	26	3 Fail	PASS
2 [20000019]	] 2	1	25.8	7 Fail	
3 [20000019]	] 2	2	25.3	9 Fail	
4 [2000001E]	] 2	0	30.1	2 Pass	PASS
5 [2000001E]	] 2	1	31.5	3 Pass	
6 [2000001F]	] 2	0	33.2	1 Pass	PASS
7 [2000001F]	] 2	1	33.1	0 Pass	
8 [20000020]	] 2	0	33.1	7 Pass	PASS
9 [20000020]	] 2	1	33.3	6 Pass	
0 [20000020]	] 2	2	26.8	1 Fail	
1 [20000020]	] 2	3	26.9	9 Fail	
2 [20000020]	] 3	0	32.7	9 Pass	
3 [20000020]	] 3	1	31.5	0 Pass	
4 [20000025]	] 2	0	27.1	4 Pass	PASS
5 [20000025]	] 2	1	29.1	2 Pass	
6 [20000025]	] 2	2	27.6	3 Pass	
7 [20000025]	] 2	3	29.4	8 Pass	
8 [20000029]	] 3	0	22.7	7 Fail	PASS
9 [20000029]	] 3	1	22.9	1 Fail	
0 [2000002A]	] 2	0	27.7	6 Pass	PASS
1 [2000002A]	] 2	1	29.1	5 Pass	
2 [2000002D]	] 2	0	28.3	1 Pass	PASS
3 [2000002D]	] 2	1	30.1	8 Pass	
4 [2000002E]	] 2	0	30.5	0 Pass	PASS
5 [2000002E]	] 2	1	30.5	0 Pass	
6 [2000002F]	] 3	0	31.5	0 Pass	PASS
7 [2000002F]	] 3	1	32	2 Pass	

8 [2000002F]	] 7	0	32.6	3 Pass	
9 [2000002F]	] 7	1	30	1 Pass	
0 [20000032]	] 2	0	26.9	5 Fail	PASS
1 [20000032]	] 2	1	28.7	6 Pass	
2 [20000033]	] 4	0	30.1	3 Pass	PASS
3 [20000033]	] 4	1	30.1	9 Pass	
4 [20000034]	] 3	0	31.2	8 Pass	PASS
5 [20000034]	] 3	1	31.5	2 Pass	
6 [20000034]	] 5	0	32.7	2 Pass	
7 [20000034]	] 5	1	30.8	1 Pass	
8 [20000038]	] 3	0	22.5	5 Fail	PASS
9 [20000038]	] 3	1	22.6	0 Fail	
0 [20000039]	] 2	0	27.2	9 Pass	PASS
1 [20000039]	] 2	1	28.8	9 Pass	
2 [21000003]	] 3	0	26.9	5 Fail	PASS
3 [21000003]	] 3	1	24.7	4 Fail	
4 [21000003]	] 3	2	24.7	1 Fail	
5 [21000003]	] 3	3	26.8	8 Fail	
6 [21000008]	] 2	0	9.3	1 Fail	FAIL
7 [21000008]	] 2	1	10.2	2 Fail	
8 [21000009]	] 2	0	24.4	7 Fail	PASS
9 [21000009]	] 2	1	26.6	2 Fail	
0 [2100000A]	] 2	0	24.3	9 Fail	PASS
1 [2100000A]	] 2	1	26.6	0 Fail	
2 [2100000A]	] 3	0	10.3	4 Fail	
3 [2100000A]	] 3	1	9.8	9 Fail	
4 [2100000A]	] 3	2	8.3	8 Fail	
5 [2100000A]	] 3	3	9.5	9 Fail	
6 [21000011]	] 2	0	6.7	5 Fail	FAIL
7 [21000011]	] 2	1	7.4	4 Fail	
8 [21000012]	] 2	0	8.9	7 Fail	FAIL

9 [21000012]	] 2	1	9.9	2 Fail	
0 [21000013]	] 2	0	4.8	8 Fail	FAIL
1 [21000013]	] 2	1	4	0 Fail	
2 [21000013]	] 2	2	4.2	2 Fail	
3 [21000019]	] 2	0	37.1	7 Pass	PASS
4 [21000019]	] 2	1	38.1	3 Pass	
5 [2100001A]	] 2	0	12.3	2 Fail	FAIL
6 [2100001A]	] 2	1	12.9	3 Fail	
7 [2100001B]	] 2	0	19	4 Fail	PASS
8 [2100001B]	] 2	1	19.3	7 Fail	
9 [2100001B]	] 3	0	30.8	1 Pass	
0 [2100001B]	] 3	1	30.3	1 Pass	
1 [2100001B]	] 3	2	30.2	2 Pass	
2 [2100001C]	] 5	0	37.8	7 Pass	PASS
3 [2100001C]	] 5	1	37.3	1 Pass	
4 [21000024]	] 2	0	30.9	3 Pass	PASS
5 [21000024]	] 2	1	30.3	0 Pass	
6 [21000024]	] 2	2	30.5	0 Pass	
7 [2F000002]	] 2	0	19.5	2 Fail	PASS
8 [2F000002]	] 2	1	21.1	6 Fail	
9 [2F000002]	] 2	2	25.6	9 Fail	
0 [2F000002]	] 2	3	23.7	9 Fail	
1 [2F000007]	] 3	0	21.7	7 Fail	PASS
2 [2F000007]	] 3	1	23.9	6 Fail	
3 [2F000007]	] 3	2	27.8	4 Pass	
4 [2F000007]	] 3	3	25.6	9 Fail	
5 [30000006]	] 2	0	30.1	8 Pass	PASS
6 [30000006]	] 2	1	30.2	1 Pass	
7 [30000006]	] 2	2	30.8	4 Pass	
8 [3000000D]	] 3	0	36.9	4 Pass	PASS
9 [3000000D]	] 3	1	38.1	0 Pass	

0 [3000000E]	] 2	0	37.3	2 Pass	PASS
1 [3000000E]	] 2	1	37.9	6 Pass	
2 [3000000F]	] 3	0	30.7	6 Pass	PASS
3 [3000000F]	] 3	1	30.2	1 Pass	
4 [3000000F]	] 3	2	30.4	3 Pass	
5 [3000000F]	] 4	0	37.3	5 Pass	
6 [3000000F]	] 4	1	38	4 Pass	
7 [30000010]	] 6	0	37.9	5 Pass	PASS
8 [30000010]	] 6	1	36.8	3 Pass	
9 [30000017]	] 2	0	35.1	3 Pass	PASS
0 [30000017]	] 2	1	35.2	4 Pass	
1 [30000018]	] 2	0	37.1	5 Pass	PASS
2 [30000018]	] 2	1	37.7	5 Pass	
3 [30000019]	] 2	0	28.6	6 Pass	PASS
4 [30000019]	] 2	1	28	0 Pass	
5 [30000019]	] 2	2	27.7	0 Pass	
6 [3000001E]	] 2	0	35.8	6 Pass	PASS
7 [3000001E]	] 2	1	34.5	0 Pass	
8 [3000001F]	] 2	0	35.2	0 Pass	PASS
9 [3000001F]	] 2	1	35.4	7 Pass	
0 [30000020]	] 2	0	37.7	4 Pass	PASS
1 [30000020]	] 2	1	36.9	5 Pass	
2 [30000020]	] 2	2	37.3	2 Pass	
3 [30000020]	] 2	3	37.2	4 Pass	
4 [30000020]	] 3	0	35.2	9 Pass	
5 [30000020]	] 3	1	36.5	5 Pass	
6 [30000025]	] 2	0	34.4	8 Pass	PASS
7 [30000025]	] 2	1	32.7	6 Pass	
8 [30000025]	] 2	2	34.9	2 Pass	
9 [30000025]	] 2	3	33.1	1 Pass	
0 [30000029]	] 3	0	31.8	2 Pass	PASS
1 [30000029]	] 3	1	28.1	0 Pass	

2 [3000002C]	] 3	0	23.2	9 Fail	PASS
3 [3000002C]	] 3	1	23.3	0 Fail	
4 [3000002D]	] 2	0	32.1	0 Pass	PASS
5 [3000002D]	] 2	1	35	5 Pass	
6 [3000002D]	] 2	2	34.9	7 Pass	
7 [3000002D]	] 2	3	34.9	9 Pass	
8 [3000002E]	] 3	0	29.2	5 Pass	PASS
9 [3000002E]	] 3	1	31	1 Pass	
0 [30000032]	] 2	0	25.5	3 Fail	PASS
1 [30000032]	] 2	1	24	0 Fail	
2 [30000035]	] 3	0	22.9	5 Fail	PASS
3 [30000035]	] 3	1	23.1	3 Fail	
4 [30000036]	] 3	0	28.9	0 Pass	PASS
5 [30000036]	] 3	1	30.5	8 Pass	
6 [30000036]	] 3	2	33.4	5 Pass	
7 [30000036]	] 3	3	32.9	1 Pass	
8 [30000037]	] 3	0	29.7	0 Pass	PASS
9 [30000037]	] 3	1	28	5 Pass	
0 [3000003C]	] 3	0	33.4	4 Pass	PASS
1 [3000003C]	] 3	1	31.1	3 Pass	
2 [3000003C]	] 3	2	31.3	2 Pass	
3 [3000003C]	] 3	3	33.7	4 Pass	
4 [30000041]	] 2	0	13	3 Fail	PASS
5 [30000041]	] 2	1	14.2	9 Fail	
6 [30000042]	] 2	0	31	3 Pass	PASS
7 [30000042]	] 2	1	33.5	7 Pass	
8 [30000043]	] 2	0	31	1 Pass	PASS
9 [30000043]	] 2	1	33.4	2 Pass	
0 [30000043]	] 3	0	14.4	1 Fail	
1 [30000043]	] 3	1	13.5	7 Fail	
2 [30000043]	] 3	2	12.3	9 Fail	

3 [30000043]	] 3	3	14	1 Fail	
4 [31000005]	] 2	0	8.8	4 Fail	FAIL
5 [31000005]	] 2	1	9.7	4 Fail	
6 [31000006]	] 2	0	11	9 Fail	FAIL
7 [31000006]	] 2	1	11.1	5 Fail	
8 [31000007]	] 2	0	7.9	3 Fail	FAIL
9 [31000007]	] 2	1	6.9	2 Fail	
0 [31000007]	] 2	2	6.9	3 Fail	
1 [3100000D]	] 2	0	37	2 Pass	PASS
2 [3100000D]	] 2	1	38.1	3 Pass	
3 [3100000E]	] 2	0	13.5	8 Fail	PASS
4 [3100000E]	] 2	1	13.3	4 Fail	
5 [3100000F]	] 2	0	19.7	2 Fail	PASS
6 [3100000F]	] 2	1	19.5	6 Fail	
7 [3100000F]	] 3	0	30.5	2 Pass	
8 [3100000F]	] 3	1	30.4	4 Pass	
9 [3100000F]	] 3	2	30.1	2 Pass	
0 [31000010]	] 5	0	37.9	6 Pass	PASS
1 [31000010]	] 5	1	37.2	7 Pass	
2 [31000018]	] 2	0	30.9	7 Pass	PASS
3 [31000018]	] 2	1	30.5	2 Pass	
4 [31000018]	] 2	2	30.2	8 Pass	
5 [40000006]	] 2	0	30.6	0 Pass	PASS
6 [40000006]	] 2	1	30.1	4 Pass	
7 [40000006]	] 2	2	30.9	8 Pass	
8 [4000000D]	] 3	0	37.8	2 Pass	PASS
9 [4000000D]	] 3	1	38.4	6 Pass	
0 [4000000E]	] 2	0	39.6	2 Pass	PASS
1 [4000000E]	] 2	1	39	5 Pass	
2 [4000000F]	] 3	0	30.2	4 Pass	PASS



3 [4000000F]	] 3	1	30.1	5 Pass	
4 [4000000F]	] 3	2	30.7	3 Pass	
5 [4000000F]	] 4	0	39.7	7 Pass	
6 [4000000F]	] 4	1	39.3	2 Pass	
7 [40000010]	] 6	0	37.2	8 Pass	PASS
8 [40000010]	] 6	1	37.8	7 Pass	
9 [40000017]	] 2	0	39.5	3 Pass	PASS
0 [40000017]	] 2	1	39	6 Pass	
1 [40000018]	] 2	0	39	7 Pass	PASS
2 [40000018]	] 2	1	38.5	5 Pass	
3 [40000018]	] 2	2	38.5	1 Pass	
4 [40000018]	] 2	3	39.2	0 Pass	
5 [40000018]	] 3	0	29.7	1 Pass	
6 [40000018]	] 3	1	29.3	8 Pass	
7 [40000018]	] 3	2	30.4	8 Pass	
8 [40000019]	] 2	0	38.3	6 Pass	PASS
9 [40000019]	] 2	1	38.9	8 Pass	
0 [4000001A]	] 2	0	37.5	4 Pass	PASS
1 [4000001A]	] 2	1	37.2	9 Pass	
2 [4000001F]	] 3	0	39.2	5 Pass	PASS
3 [4000001F]	] 3	1	37.6	5 Pass	
4 [4000001F]	] 3	2	37.6	4 Pass	
5 [4000001F]	] 3	3	39.2	1 Pass	
6 [40000024]	] 2	0	37.7	7 Pass	PASS
7 [40000024]	] 2	1	39.4	1 Pass	
8 [40000025]	] 2	0	20.7	6 Fail	PASS
9 [40000025]	] 2	1	20	3 Fail	
0 [40000026]	] 2	0	37.6	5 Pass	PASS
1 [40000026]	] 2	1	39.1	9 Pass	
2 [40000026]	] 3	0	20.5	9 Fail	
3 [40000026]	] 3	1	22.9	0 Fail	
4 [40000026]	] 3	2	24.9	6 Fail	
5 [40000026]	] 3	3	23.8	0 Fail	

6 [4000002D]	] 2	0	12.5	6 Fail	FAIL
7 [4000002D]	] 2	1	13.1	1 Fail	
8 [4000002E]	] 2	0	12.7	6 Fail	FAIL
9 [4000002E]	] 2	1	12.2	1 Fail	
0 [4000002F]	] 2	0	16.7	6 Fail	PASS
1 [4000002F]	] 2	1	15.4	0 Fail	
2 [4000002F]	] 2	2	18.3	1 Fail	
3 [40000035]	] 2	0	37	7 Pass	PASS
4 [40000035]	] 2	1	37.8	4 Pass	
5 [40000036]	] 2	0	14.3	3 Fail	PASS
6 [40000036]	] 2	1	13.9	5 Fail	
7 [40000037]	] 2	0	20.5	6 Fail	PASS
8 [40000037]	] 2	1	19.8	5 Fail	
9 [40000037]	] 3	0	30.8	9 Pass	
0 [40000037]	] 3	1	30.3	6 Pass	
1 [40000037]	] 3	2	30.4	0 Pass	
2 [40000038]	] 5	0	37.8	4 Pass	PASS
3 [40000038]	] 5	1	37	4 Pass	
4 [40000040]	] 2	0	31.2	4 Pass	PASS
5 [40000040]	] 2	1	30	1 Pass	
6 [40000040]	] 2	2	30.5	7 Pass	
7 [50000006]	] 2	0	39.6	5 Pass	PASS
8 [50000006]	] 2	1	39.6	1 Pass	
9 [50000006]	] 2	2	39.7	6 Pass	
0 [5000000D]	] 3	0	39.8	5 Pass	PASS
1 [5000000D]	] 3	1	39.8	1 Pass	
2 [5000000E]	] 2	0	39.5	5 Pass	PASS
3 [5000000E]	] 2	1	39.7	9 Pass	
4 [5000000F]	] 3	0	39.6	6 Pass	PASS
5 [5000000F]	] 3	1	39.6	2 Pass	

6 [5000000F]	] 3	2	39.7	0 Pass	
7 [5000000F]	] 4	0	39.6	5 Pass	
8 [5000000F]	] 4	1	39.9	6 Pass	
9 [50000010]	] 6	0	39.9	1 Pass	PASS
0 [50000010]	] 6	1	39.8	0 Pass	
1 [50000017]	] 2	0	39.7	2 Pass	PASS
2 [50000017]	] 2	1	39.9	7 Pass	
3 [50000018]	] 2	0	39.1	8 Pass	PASS
4 [50000018]	] 2	1	39.4	1 Pass	
5 [50000018]	] 2	2	39.4	2 Pass	
6 [50000018]	] 2	3	39.3	3 Pass	
7 [50000018]	] 3	0	39.2	6 Pass	
8 [50000018]	] 3	1	39.3	8 Pass	
9 [50000018]	] 3	2	39.3	8 Pass	
0 [50000019]	] 2	0	39.5	4 Pass	PASS
1 [50000019]	] 2	1	39.6	3 Pass	
2 [5000001A]	] 2	0	39.2	7 Pass	PASS
3 [5000001A]	] 2	1	39	8 Pass	
4 [50000022]	] 2	0	13.3	4 Fail	PASS
5 [50000022]	] 2	1	13.4	3 Fail	
6 [50000023]	] 2	0	18.6	9 Fail	PASS
7 [50000023]	] 2	1	18.2	9 Fail	
8 [50000023]	] 3	0	26.8	6 Fail	
9 [50000023]	] 3	1	26.6	0 Fail	
0 [50000023]	] 3	2	29.3	4 Pass	
1 [50000024]	] 4	0	14.3	Fail	PASS
2 [50000024]	] 4	1	14.4	Fail	
3 [50000025]	] 2	0	38.1	Pass	PASS
4 [50000025]	] 2	1	37.9	Pass	
5 [5000002B]	] 2	0	37.1	Pass	PASS
6 [5000002B]	] 2	1	37.9	Pass	

7 [5000002C]	] 2	0	14.8	Fail	PASS
8 [5000002C]	] 2	1	15.3	Fail	
9 [5000002D]	] 2	0	21.1	Fail	PASS
0 [5000002D]	] 2	1	20.8	Fail	
1 [5000002D]	] 3	0	27.8	Pass	
2 [5000002D]	] 3	1	27.6	Pass	
3 [5000002D]	] 3	2	28.3	Pass	
4 [5000002E]	] 5	0	37.7	Pass	PASS
5 [5000002E]	] 5	1	37	Pass	
6 [50000036]	] 2	0	28	Pass	PASS
7 [50000036]	] 2	1	27.7	Pass	
8 [50000036]	] 2	2	28.2	Pass	
9 [NT000000]	] 3	0	5.7	Fail	FAIL
0 [NT000000]	] 3	1	5.4	Fail	
1 [NT000001]	] 8	0	10.2	Fail	FAIL
2 [NT000001]	] 8	1	9.2	Fail	
3 [60000006]	] 2	0	14.3	Fail	PASS
4 [60000006]	] 2	1	14.3	Fail	
5 [60000007]	] 2	0	18.8	Fail	PASS
6 [60000007]	] 2	1	19.7	Fail	
7 [60000007]	] 3	0	28.4	Pass	
8 [60000007]	] 3	1	27.2	Pass	
9 [60000007]	] 3	2	27.4	Pass	
0 [60000008]	] 4	0	14.9	Fail	PASS
1 [60000008]	] 4	1	15.8	Fail	
2 [60000009]	] 2	0	38.8	Pass	PASS
3 [60000009]	] 2	1	38.6	Pass	
4 [6000000F]	] 2	0	38.1	Pass	PASS
5 [6000000F]	] 2	1	37.9	Pass	
6 [60000010]	] 2	0	16.2	Fail	PASS
7 [60000010]	] 2	1	15.6	Fail	

8 [60000011]	] 2	0	21.9	Fail	PASS
9 [60000011]	] 2	1	21.5	Fail	
0 [60000011]	] 3	0	28.5	Pass	
1 [60000011]	] 3	1	27.3	Pass	
2 [60000011]	] 3	2	28.1	Pass	
3 [60000012]	] 5	0	37.7	5 Pass	PASS
4 [60000012]	] 5	1	38.1	6 Pass	
5 [6000001A]	] 2	0	28.4	Pass	PASS
6 [6000001A]	] 2	1	27.7	Pass	
7 [6000001A]	] 2	2	28.2	Pass	
8 [70000006]	] 2	0	15.6	Fail	PASS
9 [70000006]	] 2	1	16.3	Fail	
0 [70000007]	] 2	0	20.2	Fail	PASS
1 [70000007]	] 2	1	20.1	Fail	
2 [70000007]	] 3	0	39.3	Pass	
3 [70000007]	] 3	1	39.4	Pass	
4 [70000007]	] 3	2	39.3	Pass	
5 [70000008]	] 4	0	17	Fail	PASS
6 [70000008]	] 4	1	16.2	Fail	
7 [70000009]	] 2	0	39.2	Pass	PASS
8 [70000009]	] 2	1	39.2	Pass	
9 [7000000F]	] 2	0	39.9	Pass	PASS
0 [7000000F]	] 2	1	40	Pass	
1 [70000010]	] 2	0	16.5	Fail	PASS
2 [70000010]	] 2	1	17.4	Fail	
3 [70000011]	] 2	0	22.1	Fail	PASS
4 [70000011]	] 2	1	22.9	Fail	
5 [70000011]	] 3	0	39.5	Pass	
6 [70000011]	] 3	1	39.6	Pass	
7 [70000011]	] 3	2	39.6	Pass	
8 [70000012]	] 5	0	39.9	Pass	PASS

9 [70000012]	] 5	1	39.9	Pass	
0 [7000001A]	] 2	0	39.6	Pass	PASS
1 [7000001A]	] 2	1	39.6	Pass	
2 [7000001A]	] 2	2	39.7	Pass	

VSC - Block 13&16					
Room	Surface	Opening	VSC	existing status	Result
[PL000003]	2	0	25.13	Fail	Pass
[PL000003]	2	1	27.39	Pass	
[PL000003]	6	0	38.39	Pass	
[PL000004]	4	0	26.15	Fail	Pass
[PL000004]	4	1	25.17	Fail	
[PL000006]	2	0	38.42	Pass	Pass
[PL000006]	2	1	38.4	Pass	
[PL000006]	3	0	27.45	Pass	
[PL00000B]	2	0	30.19	Pass	Pass
[PL00000B]	2	1	30.54	Pass	
[PL00000B]	6	0	38.17	Pass	
[PL00000E]	1	0	28.94	Pass	Pass
[PL00000E]	1	1	29.69	Pass	
[PL00000E]	3	0	35.4	Pass	
[PL000011]	1	0	29.78	Pass	Pass
[PL000011]	1	1	29.74	Pass	
[PL000011]	3	0	35.41	Pass	
[PL000014]	1	0	26.37	Fail	Pass
[PL000014]	1	1	25.08	Fail	
[PL000014]	3	0	31.48	Pass	
[PL000015]	4	0	31.77	Pass	Pass
[PL000015]	4	1	31.78	Pass	
[PL000015]	4	2	31.78	Pass	
[PL00001C]	2	0	28.47	Pass	Pass

[PL00001C]	2	1	27.57	Pass	
[PL00001C]	6	0	38.29	Pass	
[PL00001F]	1	0	28.65	Pass	Pass
[PL00001F]	1	1	27.68	Pass	
[PL00001F]	3	0	31.5	Pass	
[PL000022]	1	0	29.82	Pass	Pass
[PL000022]	1	1	29.34	Pass	
[PL000022]	3	0	31.37	Pass	
[PL000025]	1	0	30.5	Pass	Pass
[PL000025]	1	1	30.24	Pass	
[PL000025]	3	0	30.97	Pass	
[PL000028]	1	0	31.08	Pass	Pass
[PL000028]	1	1	31.1	Pass	
[PL000028]	3	0	31.36	Pass	
[PL00002A]	0	0	31.19	Pass	Pass
[PL00002A]	4	0	30.55	Pass	
[PL00002A]	4	1	30.24	Pass	
[PL00002C]	3	0	23.67	Fail	Fail
[PL00002E]	5	0	28.75	Pass	Pass
[PL000030]	3	0	23.46	Fail	Fail
[PL000032]	5	0	28.53	Pass	Pass
[PL000034]	3	0	23.95	Fail	Fail
[PL000036]	5	0	27.92	Pass	Pass
[PL000038]	3	0	24.86	Fail	Fail
[PL00003A]	5	0	28.87	Pass	Pass
[PL00003C]	3	0	29.95	Pass	Pass
[PL00003D]	3	0	26.62	Fail	Pass

[PL00003D]	3	1	26.49	Fail	
[PL00003D]	5	0	11.09	Fail	
[PL00003E]	3	0	30.22	Pass	Pass
[PL000040]	3	0	30.09	Pass	Pass
[PL000041]	3	0	27.3	Pass	Pass
[PL000041]	3	1	27.14	Pass	
[PL000041]	5	0	7.36	Fail	
[PL000042]	3	0	30	Pass	Pass
[PL000044]	3	0	30.84	Pass	Pass
[PL000045]	3	0	27.28	Pass	Pass
[PL000045]	3	1	27.25	Pass	
[PL000045]	5	0	7.37	Fail	
[PL000046]	3	0	30.53	Pass	Pass
[PL000048]	3	0	28.74	Pass	Pass
[PL000048]	4	0	38.52	Pass	
[PL000048]	4	1	38.52	Pass	
[PL000048]	4	2	38.51	Pass	
[PL000048]	4	3	38.6	Pass	
[PL000048]	4	4	38.61	Pass	
[PL000048]	4	5	38.61	Pass	
[PL000048]	4	6	38.54	Pass	
[PL00004B]	6	0	28.03	Pass	Pass
[PL00004C]	0	0	28.83	Pass	Pass
[PL00004C]	7	0	26.52	Fail	
[PL00004D]	3	0	29.29	Pass	Pass
[PL00004D]	4	0	29.33	Pass	
[PL00004D]	4	1	28.99	Pass	
[PL00004D]	4	2	29.2	Pass	
[PL000050]	6	0	29.7	Pass	Pass



[PL000051]	6	0	30.84	Pass	Pass
[PL000051]	7	0	33.08	Pass	
[PL000052]	2	0	38.65	Pass	Pass
[PL000052]	2	1	36.84	Pass	
[PL000054]	4	0	27.69	Pass	Pass
[PL000055]	4	0	30.37	Pass	Pass
[PL000057]	2	0	38.45	Pass	Pass
[PL000057]	2	1	38.65	Pass	
[PL000059]	4	0	31.5	Pass	Pass
[PL000059]	4	1	29.74	Pass	
[PL00005A]	4	0	31.82	Pass	Pass
[PL00005C]	2	0	32.89	Pass	Pass
[PL00005C]	2	1	32.64	Pass	
[PL00005F]	7	0	33.97	Pass	Pass
[PL000060]	7	0	33.25	Pass	Pass
[PL000061]	4	0	32.93	Pass	Pass
[PL000061]	4	1	32.93	Pass	
[PL000062]	2	0	31.3	Pass	Pass
[PL000062]	2	1	31.6	Pass	
[PL000065]	4	0	38.51	Pass	Pass
[PL000065]	4	1	38.5	Pass	
[PL000066]	2	0	32.89	Pass	Pass
[PL000066]	2	1	32.53	Pass	
[PL000069]	4	0	38.51	Pass	Pass
[PL000069]	4	1	38.39	Pass	
[PL00006A]	2	0	33.05	Pass	Pass
[PL00006A]	2	1	33.02	Pass	

[PL00006D]	2	0	38.44	Pass	Pass
[PL00006D]	2	1	38.49	Pass	
[PL00006F]	4	0	33.49	Pass	Pass
[PL000070]	4	0	33.14	Pass	Pass
[PL000072]	4	0	32.31	Pass	Pass
[PL000072]	4	1	32.73	Pass	
[PL000073]	2	0	27.66	Pass	Pass
[PL000073]	2	1	29.67	Pass	
[PL000076]	4	0	33.05	Pass	Pass
[PL000076]	4	1	32.89	Pass	
[PL000077]	2	0	32.98	Pass	Pass
[PL000077]	2	1	33.38	Pass	
[PL00007A]	4	0	32.73	Pass	Pass
[PL00007A]	4	1	32.37	Pass	
[PL00007B]	2	0	33.56	Pass	Pass
[PL00007B]	2	1	33.9	Pass	
[PL00007E]	4	0	32.78	Pass	Pass
[PL00007E]	4	1	32.45	Pass	
[PL00007F]	2	0	34.03	Pass	Pass
[PL00007F]	2	1	34.32	Pass	
[PL000082]	3	0	25.06	Fail	Fail
[PL000083]	3	0	25.03	Fail	Fail
[PL000084]	4	0	33.34	Pass	Pass
[PL000085]	0	0	33.28	Pass	Pass
[PL000086]	3	0	24.66	Fail	Fail

[PL000087]	3	0	24.91	Fail	Fail
[PL000088]	4	0	33.3	Pass	Pass
[PL000089]	0	0	33.07	Pass	Pass
[PL00008A]	3	0	25.41	Fail	Fail
[PL00008B]	3	0	25.65	Fail	Fail
[PL00008C]	4	0	32.93	Pass	Pass
[PL00008D]	0	0	32.88	Pass	Pass
[PL00008E]	3	0	25.54	Fail	Fail
[PL00008F]	3	0	26.96	Fail	Fail
[PL000090]	4	0	33.01	Pass	Pass
[PL000091]	0	0	32.88	Pass	Pass
[PL000094]	7	0	33.58	Pass	Pass
[PL000094]	7	1	34.21	Pass	
[PL000095]	7	0	29.94	Pass	Pass
[PL000095]	7	1	30.55	Pass	
[PL000098]	7	0	33.54	Pass	Pass
[PL000098]	7	1	34.3	Pass	
[PL000099]	7	0	30.12	Pass	Pass
[PL000099]	7	1	30.74	Pass	
[PL00009C]	7	0	33.82	Pass	Pass
[PL00009C]	7	1	34.46	Pass	
[PL00009D]	7	0	30.26	Pass	Pass
[PL00009D]	7	1	30.91	Pass	
[PL00009E]	5	0	37.32	Pass	Pass

[PL0000A0]	3	0	26.74	Fail	Pass
[PL0000A0]	3	1	26.71	Fail	
[PL0000A1]	5	0	36.89	Pass	Pass
[PL0000A3]	3	0	26.84	Fail	Pass
[PL0000A3]	3	1	26.73	Fail	
[PL0000A4]	5	0	36.78	Pass	Pass
[PL0000A6]	3	0	27.33	Pass	Pass
[PL0000A6]	3	1	26.81	Fail	
[PL0000A7]	5	0	36.59	Pass	Pass
[PL0000A9]	3	0	28.01	Pass	Pass
[PL0000A9]	3	1	27.53	Pass	
[PL0000AA]	3	0	30.76	Pass	Pass
[PL0000AA]	4	0	38.7	Pass	
[PL0000AA]	4	1	38.76	Pass	
[PL0000AB]	3	0	29.57	Pass	Pass
[PL0000AC]	0	0	32.47	Pass	Pass
[PL0000AC]	1	0	28.45	Pass	Pass
[PL0000AE]	3	0	30.93	Pass	Pass
[PL0000AE]	4	0	32.94	Pass	
[PL0000AF]	3	0	31.26	Pass	Pass
[PL0000B1]	0	0	32.12	Pass	Pass
[PL0000B1]	7	0	34.29	Pass	
[PL0000B2]	2	0	38.61	Pass	Pass
[PL0000B2]	2	1	36.91	Pass	
[PL0000B6]	2	0	38.7	Pass	Pass
[PL0000B6]	2	1	38.79	Pass	
[PL0000BA]	0	0	38.64	Pass	Pass

[PL0000BA]	0	1	38.65	Pass	
[PL0000BD]	0	0	38.61	Pass	Pass
[PL0000BD]	0	1	38.65	Pass	
[PL0000C0]	2	0	38.57	Pass	Pass
[PL0000C0]	2	1	38.69	Pass	
[PL0000C4]	0	0	34.09	Pass	Pass
[PL0000C4]	0	1	33.89	Pass	
[PL0000C7]	2	0	33.99	Pass	Pass
[PL0000C7]	2	1	34.63	Pass	
[PL0000CA]	0	0	34.55	Pass	Pass
[PL0000CA]	0	1	34.87	Pass	
[PL0000CD]	0	0	34.53	Pass	Pass
[PL0000CD]	0	1	34.09	Pass	
[PL0000D0]	0	0	34.01	Pass	Pass
[PL0000D0]	0	1	34.36	Pass	
[PL0000D3]	0	0	34.08	Pass	Pass
[PL0000D3]	0	1	34.12	Pass	
[PL0000D8]	4	0	31.63	Pass	Pass
[PL0000D8]	5	0	34.5	Pass	
[PL0000D8]	5	1	35.04	Pass	
[PL0000D9]	3	0	34.67	Pass	Pass
[PL0000D9]	3	1	34.58	Pass	
[PL0000DA]	5	0	36.56	Pass	Pass
[PL0000DA]	5	1	36.99	Pass	
[PL0000DF]	4	0	31.54	Pass	Pass
[PL0000DF]	5	0	35.9	Pass	
[PL0000DF]	5	1	35.96	Pass	
[PL0000E0]	3	0	34.64	Pass	Pass
[PL0000E0]	3	1	34.66	Pass	

[PL0000E1]	5	0	37.32	Pass	Pass
[PL0000E1]	5	1	37.43	Pass	
[PL0000E6]	4	0	30.98	Pass	Pass
[PL0000E6]	5	0	35.92	Pass	
[PL0000E6]	5	1	36.19	Pass	
[PL0000E7]	3	0	34.43	Pass	Pass
[PL0000E7]	3	1	34.27	Pass	
[PL0000E8]	5	0	37.46	Pass	Pass
[PL0000E8]	5	1	37.23	Pass	
[PL0000ED]	4	0	31.1	Pass	Pass
[PL0000ED]	5	0	35.83	Pass	
[PL0000ED]	5	1	35.63	Pass	
[PL0000EE]	3	0	34.08	Pass	Pass
[PL0000EE]	3	1	34.32	Pass	
[PL0000EF]	5	0	37.34	Pass	Pass
[PL0000EF]	5	1	36.87	Pass	
[PL0000F4]	4	0	31.45	Pass	Pass
[PL0000F4]	5	0	34.99	Pass	
[PL0000F4]	5	1	34.04	Pass	
[PL0000F5]	3	0	34.4	Pass	Pass
[PL0000F5]	3	1	34.24	Pass	
[PL0000F6]	5	0	36.53	Pass	Pass
[PL0000F6]	5	1	36.08	Pass	
[PL0000FC]	2	0	25.56	Fail	Pass
[PL0000FC]	2	1	28.82	Pass	
[PL0000FC]	6	0	38.36	Pass	
[PL0000FD]	4	0	27.06	Pass	Pass
[PL0000FD]	4	1	26.61	Fail	
[PL0000FF]	2	0	38.34	Pass	Pass

[PL0000FF]	2	1	38.34	Pass	
[PL0000FF]	3	0	32.86	Pass	
[PL000104]	2	0	30.12	Pass	Pass
[PL000104]	2	1	30.37	Pass	
[PL000104]	6	0	38.07	Pass	
[PL000107]	1	0	30.39	Pass	Pass
[PL000107]	1	1	30.24	Pass	
[PL000107]	3	0	35.55	Pass	
[PL00010A]	1	0	30.33	Pass	Pass
[PL00010A]	1	1	30.21	Pass	
[PL00010A]	3	0	35.51	Pass	
[PL00010E]	2	0	30.19	Pass	Pass
[PL00010E]	2	1	29.54	Pass	
[PL00010E]	6	0	38.33	Pass	
[PL00010F]	3	0	35.83	Pass	Pass
[PL00010F]	4	0	38.48	Pass	
[PL00010F]	4	1	38.47	Pass	
[PL00010F]	4	2	38.47	Pass	
[PL000112]	6	0	35.34	Pass	Pass
[PL000113]	0	0	30.35	Pass	Pass
[PL000113]	7	0	35.65	Pass	
[PL000114]	2	0	38.57	Pass	Pass
[PL000114]	2	1	36.31	Pass	
[PL000116]	4	0	28.3	Pass	Pass
[PL000117]	4	0	32.24	Pass	Pass
[PL000119]	2	0	38.58	Pass	Pass
[PL000119]	2	1	38.48	Pass	
[PL00011B]	4	0	33.19	Pass	Pass
[PL00011C]	4	0	33.47	Pass	Pass

[PL00011E]	4	0	38.46	Pass	Pass
[PL00011E]	4	1	38.48	Pass	
[PL00011F]	2	0	33.31	Pass	Pass
[PL00011F]	2	1	33.68	Pass	
[PL000122]	4	0	38.47	Pass	Pass
[PL000122]	4	1	38.53	Pass	
[PL000123]	2	0	33.42	Pass	Pass
[PL000123]	2	1	33.17	Pass	
[PL000126]	2	0	38.51	Pass	Pass
[PL000126]	2	1	38.35	Pass	
[PL000128]	4	0	33.5	Pass	Pass
[PL000129]	4	0	33.17	Pass	Pass
[PL00012B]	3	0	38.21	Pass	
[PL00012B]	4	0	38.69	Pass	Pass
[PL00012C]	3	0	37.84	Pass	Pass
[PL00012D]	0	0	34.42	Pass	Pass
[PL00012D]	1	0	38.06	Pass	
[PL00012F]	2	0	38.47	Pass	Pass
[PL00012F]	2	1	36.84	Pass	
[PL000133]	2	0	38.76	Pass	Pass
[PL000133]	2	1	38.54	Pass	
[PL000137]	0	0	38.58	Pass	Pass
[PL000137]	0	1	38.66	Pass	
[PL00013A]	0	0	38.49	Pass	Pass
[PL00013A]	0	1	38.49	Pass	
[PL00013D]	2	0	38.79	Pass	Pass
[PL00013D]	2	1	38.52	Pass	

[PL000144]	2	0	31.25	Pass	Pass
[PL000144]	2	1	31.3	Pass	
[PL000144]	6	0	38.21	Pass	
[PL000145]	2	0	38.43	Pass	Pass
[PL000145]	2	1	38.5	Pass	
[PL000147]	4	0	33.97	Pass	Pass
[PL000148]	4	0	33.74	Pass	Pass
[PL00014A]	2	0	38.74	Pass	Pass
[PL00014A]	2	1	38.74	Pass	
[PL000151]	2	0	31.61	Pass	Pass
[PL000151]	2	1	31.46	Pass	
[PL000151]	6	0	38.16	Pass	
[PL000152]	2	0	38.34	Pass	Pass
[PL000152]	2	1	38.51	Pass	
[PL000154]	4	0	34.63	Pass	Pass
[PL000155]	4	0	33.96	Pass	Pass
[PL000157]	2	0	38.71	Pass	Pass
[PL000157]	2	1	38.66	Pass	
[PL00015E]	2	0	31.47	Pass	Pass
[PL00015E]	2	1	31.22	Pass	
[PL00015E]	6	0	38.35	Pass	
[PL00015F]	2	0	38.34	Pass	Pass
[PL00015F]	2	1	38.6	Pass	
[PL000161]	4	0	34.2	Pass	Pass
[PL000162]	4	0	34.34	Pass	Pass
[PL000164]	2	0	38.69	Pass	Pass
[PL000164]	2	1	38.52	Pass	

[PL00016A]	1	0	31.29	Pass	Pass
[PL00016A]	1	1	31.02	Pass	
[PL00016A]	3	0	29.96	Pass	
[PL00016B]	4	0	31.94	Pass	Pass
[PL00016B]	4	1	31.8	Pass	
[PL00016C]	2	0	34.52	Pass	Pass
[PL00016C]	2	1	34.52	Pass	
[PL00016F]	0	0	33.42	Pass	Pass
[PL00016F]	0	1	33.67	Pass	
[PL000173]	0	0	30.23	Pass	Pass
[PL000173]	4	0	30.61	Pass	
[PL000173]	4	1	30.29	Pass	
[PL000175]	2	0	31.95	Pass	Pass
[PL000175]	2	1	31.59	Pass	
[PL000178]	7	0	33.69	Pass	Pass
[PL000179]	7	0	33.76	Pass	Pass
[PL00017A]	2	0	33.79	Pass	Pass
[PL00017A]	2	1	33.36	Pass	
[PL00017F]	1	0	28.61	Pass	Pass
[PL00017F]	1	1	26.03	Fail	
[PL00017F]	3	0	28.68	Pass	
[PL000180]	4	0	27.92	Pass	Pass
[PL000180]	4	1	27.86	Pass	
[PL000180]	4	2	27.99	Pass	
[PL000186]	1	0	30.14	Pass	Pass
[PL000186]	1	1	29.75	Pass	
[PL000186]	3	0	29.5	Pass	
[PL000189]	1	0	30.76	Pass	Pass
[PL000189]	1	1	30.42	Pass	



[PL000189]	3	0	29.86	Pass	
[PL00018C]	1	0	30.67	Pass	Pass
[PL00018C]	1	1	31.18	Pass	
[PL00018C]	3	0	30.36	Pass	
[PL00018D]	3	0	31.45	Pass	Pass
[PL00018D]	4	0	32.94	Pass	
[PL00018D]	4	1	31.67	Pass	
[PL00018D]	4	2	31.86	Pass	
[PL000190]	6	0	30.79	Pass	Pass
[PL000191]	6	0	30.32	Pass	Pass
[PL000191]	7	0	29.84	Pass	
[PL000192]	4	0	30.6	Pass	Pass
[PL000192]	4	1	31	Pass	
[PL000193]	2	0	33.45	Pass	Pass
[PL000193]	2	1	33.64	Pass	
[PL000196]	4	0	29.12	Pass	Pass
[PL000196]	4	1	30.4	Pass	
[PL000197]	2	0	29.29	Pass	Pass
[PL000197]	2	1	32.08	Pass	
[PL00019A]	4	0	31.49	Pass	Pass
[PL00019A]	4	1	31.21	Pass	
[PL00019B]	2	0	33.82	Pass	Pass
[PL00019B]	2	1	34.25	Pass	
[PL00019E]	4	0	31.59	Pass	Pass
[PL00019E]	4	1	31.54	Pass	
[PL00019F]	2	0	34.24	Pass	Pass
[PL00019F]	2	1	34.21	Pass	
[PL0001A2]	3	0	34.28	Pass	Pass
[PL0001A2]	4	0	36.15	Pass	

[PL0001A3]	3	0	33.28	Pass	Pass
[PL0001A5]	0	0	33.03	Pass	Pass
[PL0001A5]	7	0	31.19	Pass	
[PL0001A6]	0	0	31.95	Pass	Pass
[PL0001A6]	0	1	30.96	Pass	
[PL0001A9]	0	0	32.4	Pass	Pass
[PL0001A9]	0	1	32.48	Pass	
[PL0001AC]	0	0	32.99	Pass	Pass
[PL0001AC]	0	1	32.88	Pass	
[PL0001AF]	0	0	33.45	Pass	Pass
[PL0001AF]	0	1	33.47	Pass	
[PL0001B5]	2	0	29.86	Pass	Pass
[PL0001B5]	2	1	29.83	Pass	
[PL0001B5]	6	0	38.51	Pass	
[PL0001B6]	2	0	38.53	Pass	Pass
[PL0001B6]	2	1	35.94	Pass	
[PL0001B8]	4	0	33.65	Pass	Pass
[PL0001B9]	4	0	33.68	Pass	Pass
[PL0001BB]	2	0	38.77	Pass	Pass
[PL0001BB]	2	1	36.18	Pass	
[PL0001C1]	1	0	30.73	Pass	Pass
[PL0001C1]	1	1	31.29	Pass	
[PL0001C1]	3	0	38.64	Pass	
[PL0001C4]	1	0	32.72	Pass	Pass
[PL0001C4]	1	1	32.17	Pass	
[PL0001C4]	3	0	35.37	Pass	
[PL0001C5]	4	0	38.8	Pass	Pass
[PL0001C5]	4	1	38.8	Pass	

[PL0001C6]	2	0	34.27	Pass	Pass
[PL0001C6]	2	1	33.93	Pass	
[PL0001C9]	4	0	38.8	Pass	Pass
[PL0001C9]	4	1	38.54	Pass	
[PL0001CA]	2	0	34.46	Pass	Pass
[PL0001CA]	2	1	34.89	Pass	
[PL0001CD]	0	0	38.86	Pass	Pass
[PL0001CD]	0	1	38.88	Pass	
[PL0001D0]	0	0	38.66	Pass	Pass
[PL0001D0]	0	1	38.98	Pass	
[PL0001D6]	2	0	33.79	Pass	Pass
[PL0001D6]	2	1	34.17	Pass	
[PL0001D6]	6	0	38.32	Pass	
[PL0001D7]	2	0	38.71	Pass	Pass
[PL0001D7]	2	1	38.53	Pass	
[PL0001D9]	4	0	35.38	Pass	Pass
[PL0001DA]	4	0	36.02	Pass	Pass
[PL0001DC]	2	0	38.89	Pass	Pass
[PL0001DC]	2	1	38.7	Pass	
[PL0001E3]	2	0	35.18	Pass	Pass
[PL0001E3]	2	1	35.53	Pass	
[PL0001E3]	6	0	38.33	Pass	
[PL0001E4]	2	0	38.55	Pass	Pass
[PL0001E4]	2	1	38.34	Pass	
[PL0001E6]	4	0	36.42	Pass	Pass
[PL0001E7]	4	0	36.21	Pass	Pass
[PL0001E9]	2	0	38.81	Pass	Pass

[PL0001E9]	2	1	38.8	Pass	
[PL0001EF]	1	0	35.87	Pass	Pass
[PL0001EF]	1	1	35.85	Pass	
[PL0001EF]	3	0	38.5	Pass	
[PL0001F2]	1	0	36.49	Pass	Pass
[PL0001F2]	1	1	36.48	Pass	
[PL0001F2]	3	0	35.68	Pass	
[PL0001F3]	4	0	38.94	Pass	Pass
[PL0001F3]	4	1	38.95	Pass	
[PL0001F4]	2	0	36.79	Pass	Pass
[PL0001F4]	2	1	36.73	Pass	
[PL0001F7]	4	0	38.93	Pass	Pass
[PL0001F7]	4	1	38.77	Pass	
[PL0001F8]	2	0	37.27	Pass	Pass
[PL0001F8]	2	1	37.33	Pass	
[PL0001FB]	0	0	38.92	Pass	Pass
[PL0001FB]	0	1	39.08	Pass	
[PL0001FE]	0	0	38.81	Pass	Pass
[PL0001FE]	0	1	39.09	Pass	
[PL000204]	2	0	36.69	Pass	Pass
[PL000204]	2	1	36.89	Pass	
[PL000204]	6	0	38.57	Pass	
[PL000205]	2	0	38.88	Pass	Pass
[PL000205]	2	1	38.68	Pass	
[PL000207]	4	0	37.32	Pass	Pass
[PL000208]	4	0	37.3	Pass	Pass
[PL00020A]	2	0	38.98	Pass	Pass
[PL00020A]	2	1	38.97	Pass	

[PL00020E]	0	0	23.12	Fail	Pass
[PL00020E]	4	0	31.95	Pass	
[PL00020E]	4	1	33.75	Pass	
[PL000210]	2	0	23.96	Fail	Pass
[PL000210]	2	1	24.7	Fail	
[PL000213]	7	0	35.93	Pass	Pass
[PL000214]	7	0	33.66	Pass	Pass
[PL000215]	2	0	25.36	Fail	Pass
[PL000215]	2	1	26.33	Fail	
[PL00021A]	1	0	31.61	Pass	Pass
[PL00021A]	1	1	31.46	Pass	
[PL00021A]	3	0	20.79	Fail	
[PL00021B]	4	0	23.75	Fail	Pass
[PL00021B]	4	1	21.93	Fail	
[PL00021C]	2	0	34.74	Pass	Pass
[PL00021C]	2	1	34.93	Pass	
[PL00021F]	0	0	23.71	Fail	Pass
[PL00021F]	0	1	25.55	Fail	
[PL000224]	1	0	29.73	Pass	Pass
[PL000224]	1	1	30.11	Pass	
[PL000224]	3	0	21.43	Fail	
[PL000225]	4	0	24.17	Fail	Pass
[PL000225]	4	1	23.21	Fail	
[PL000226]	2	0	33.62	Pass	Pass
[PL000226]	2	1	33.88	Pass	
[PL000229]	0	0	24.78	Fail	Pass
[PL000229]	0	1	25.86	Fail	
[PL00022C]	0	0	26.2	Fail	Pass
[PL00022C]	4	0	33.18	Pass	

[PL00022C]	4	1	34.13	Pass	
[PL00022E]	2	0	26.84	Fail	Pass
[PL00022E]	2	1	25.73	Fail	
[PL000231]	7	0	36.53	Pass	Pass
[PL000232]	7	0	34.65	Pass	Pass
[PL000233]	2	0	28.01	Pass	Pass
[PL000233]	2	1	26.93	Fail	
[PL000238]	1	0	35.88	Pass	Pass
[PL000238]	1	1	35.83	Pass	
[PL000238]	3	0	25.03	Fail	
[PL000239]	4	0	27.18	Pass	Pass
[PL000239]	4	1	26.81	Fail	
[PL00023A]	2	0	37.43	Pass	Pass
[PL00023A]	2	1	37.3	Pass	
[PL00023D]	0	0	27.52	Pass	Pass
[PL00023D]	0	1	28.67	Pass	
[PL000241]	1	0	38.5	Pass	Pass
[PL000241]	1	1	38.5	Pass	
[PL000241]	4	0	33.67	Pass	
[PL000244]	2	0	30.77	Pass	Pass
[PL000244]	5	0	31.57	Pass	
[PL000245]	3	0	34.52	Pass	Pass
[PL000245]	5	0	34.06	Pass	
[PL000246]	6	0	35.24	Pass	Pass
[PL000248]	2	0	38.58	Pass	Pass
[PL000248]	3	0	35.84	Pass	
[PL00024A]	3	0	37.22	Pass	Pass
[PL00024A]	5	0	36.44	Pass	

[PL00024B]	4	0	37.62	Pass	Pass
[PL00024C]	2	0	38.73	Pass	Pass
[PL00024C]	4	0	37.75	Pass	
[PL00024E]	1	0	24.61	Fail	Pass
[PL00024E]	1	1	23.62	Fail	
[PL00024E]	4	0	31.05	Pass	
[PL000251]	2	0	31.4	Pass	Pass
[PL000251]	5	0	29.52	Pass	
[PL000252]	3	0	32.42	Pass	Pass
[PL000252]	5	0	34.69	Pass	
[PL000253]	6	0	32.82	Pass	Pass
[PL000255]	2	0	25	Fail	Pass
[PL000255]	3	0	32.98	Pass	
[PL000257]	3	0	35.04	Pass	Pass
[PL000257]	5	0	37.81	Pass	
[PL000258]	4	0	35.39	Pass	Pass
[PL000259]	2	0	26.77	Fail	Pass
[PL000259]	4	0	35.61	Pass	
[PL00025B]	1	0	29.37	Pass	Pass
[PL00025B]	1	1	29.17	Pass	
[PL00025B]	4	0	39.97	Pass	
[PL00025E]	2	0	36.42	Pass	Pass
[PL00025E]	5	0	40	Pass	
[PL00025F]	3	0	39.86	Pass	Pass
[PL00025F]	5	0	37.7	Pass	
[PL000260]	6	0	39.91	Pass	Pass
[PL000262]	2	0	29.78	Pass	Pass

[PL000262]	3	0	39.84	Pass	
[PL000264]	3	0	40.04	Pass	Pass
[PL000264]	5	0	38.63	Pass	
[PL000265]	4	0	40.04	Pass	Pass
[PL000266]	2	0	30.65	Pass	Pass
[PL000266]	4	0	39.87	Pass	
[PL000267]	3	0	32.46	Pass	Pass
[PL000269]	5	0	28.61	Pass	Pass
[PL00026B]	3	0	32.01	Pass	Pass
[PL00026D]	5	0	28.19	Pass	Pass
[PL00026F]	3	0	31.56	Pass	Pass
[PL000271]	5	0	28.45	Pass	Pass
[PL000273]	3	0	31.45	Pass	Pass
[PL000275]	5	0	28.83	Pass	Pass
[PL000277]	3	0	30.16	Pass	Pass
[PL000278]	3	0	27.11	Pass	Pass
[PL000278]	3	1	27.18	Pass	
[PL000278]	5	0	10.33	Fail	
[PL000279]	3	0	30.02	Pass	Pass
[PL00027B]	3	0	30.1	Pass	Pass
[PL00027C]	3	0	26.82	Fail	Pass
[PL00027C]	3	1	26.92	Fail	
[PL00027C]	5	0	7.65	Fail	
[PL00027D]	3	0	30.31	Pass	Pass

[PL00027F]	3	0	30.86	Pass	Pass
[PL000280]	3	0	26.87	Fail	Pass
[PL000280]	3	1	26.59	Fail	
[PL000280]	5	0	7.68	Fail	
[PL000281]	3	0	30.51	Pass	Pass
[PL000283]	3	0	35.08	Pass	Pass
[PL000284]	3	0	34.84	Pass	Pass
[PL000285]	4	0	32.76	Pass	Pass
[PL000286]	0	0	33.34	Pass	Pass
[PL000287]	3	0	34.55	Pass	Pass
[PL000288]	3	0	34.68	Pass	Pass
[PL000289]	4	0	33.26	Pass	Pass
[PL00028A]	0	0	33.12	Pass	Pass
[PL00028B]	3	0	34.13	Pass	Pass
[PL00028C]	3	0	33.88	Pass	Pass
[PL00028D]	4	0	33.1	Pass	Pass
[PL00028E]	0	0	33.14	Pass	Pass
[PL00028F]	3	0	33.8	Pass	Pass
[PL000290]	3	0	33.71	Pass	Pass
[PL000291]	4	0	33.07	Pass	Pass
[PL000292]	0	0	32.89	Pass	Pass
[PL000295]	7	0	32.95	Pass	Pass
[PL000295]	7	1	33.25	Pass	

[PL000296]	7	0	31.29	Pass	Pass
[PL000296]	7	1	32.09	Pass	
[PL000299]	7	0	32.96	Pass	Pass
[PL000299]	7	1	33.52	Pass	
[PL00029A]	7	0	31.46	Pass	Pass
[PL00029A]	7	1	32.21	Pass	
[PL00029D]	7	0	33.14	Pass	Pass
[PL00029D]	7	1	33.8	Pass	
[PL00029E]	7	0	31.03	Pass	Pass
[PL00029E]	7	1	31.92	Pass	
[PL00029F]	5	0	36.39	Pass	Pass
[PL0002A1]	3	0	37.51	Pass	Pass
[PL0002A1]	3	1	37.53	Pass	
[PL0002A2]	5	0	36.42	Pass	Pass
[PL0002A4]	3	0	37.13	Pass	Pass
[PL0002A4]	3	1	37.54	Pass	
[PL0002A5]	5	0	36.33	Pass	Pass
[PL0002A7]	3	0	36.74	Pass	Pass
[PL0002A7]	3	1	36.93	Pass	
[PL0002A8]	5	0	35.76	Pass	Pass
[PL0002AA]	3	0	36.33	Pass	Pass
[PL0002AA]	3	1	36.78	Pass	



## Appendix D. Annual Probable Sunlight Hours

APSH - Block T						
Room ID	Room Name	Orientation	Annual	Winter	Annual Result	Winter Result
RM00000B	0.02 K/D/L-2 bed	20.3	16.02	0.69	Fail	Fail
RM000015	0.03 Double Bedroom	110.3	47.07	16.15	Pass	Pass
RM000015	0.03 Double Bedroom	110.3	46.53	15.97	Pass	Pass
RM000013	0.03 Double Ensuite Bedroom	200.3	55.88	15.61	Pass	Pass
RM000013	0.03 Double Ensuite Bedroom	200.3	53.98	13.72	Pass	Pass
RM000014	0.03 K/D/L-2 bed	200.3	16.46	11.47	Fail	Pass
RM000014	0.03 K/D/L-2 bed	200.3	19.91	12.36	Fail	Pass
RM000014	0.03 K/D/L-2 bed	200.3	13.54	10.48	Fail	Pass
RM000014	0.03 K/D/L-2 bed	200.3	25.83	13.5	Pass	Pass
RM000014	0.03 K/D/L-2 bed	110.3	46.19	15.97	Pass	Pass
RM000014	0.03 K/D/L-2 bed	110.3	45.83	15.97	Pass	Pass
RM000014	0.03 K/D/L-2 bed	110.3	46.72	16.08	Pass	Pass
RM000014	0.03 K/D/L-2 bed	110.3	45.32	15.04	Pass	Pass
RM00001A	0.04 Double Bedroom	200.3	52.85	13.11	Pass	Pass
RM00001A	0.04 Double Bedroom	200.3	54.6	14.32	Pass	Pass
RM00001B	0.04 K/D/L-1 bed	200.3	11.29	7.44	Fail	Pass
RM00001B	0.04 K/D/L-1 bed	200.3	10.48	5.21	Fail	Pass
RM00001B	0.04 K/D/L-1 bed	200.3	10.1	7.65	Fail	Pass
RM00001B	0.04 K/D/L-1 bed	200.3	8.88	2.93	Fail	Fail
RM000024	0.05 Double Bedroom	200.3	57.65	19.45	Pass	Pass
RM000024	0.05 Double Bedroom	200.3	57.04	18.93	Pass	Pass
RM000026	0.05 K/D/L-1 bed	200.3	12.15	9.11	Fail	Pass
RM000026	0.05 K/D/L-1 bed	200.3	18.46	13.42	Fail	Pass
KD000004	1.02 K/D/L-2 bed	110.3	21.11	4.83	Fail	Fail
KD000004	1.02 K/D/L-2 bed	110.3	27.86	11.16	Pass	Pass
KD000004	1.02 K/D/L-2 bed	110.3	25.14	8.55	Pass	Pass
KD000004	1.02 K/D/L-2 bed	110.3	26.95	10.3	Pass	Pass
BD000003	1.03 Double Bedroom	110.3	49.59	18.34	Pass	Pass
BD000003	1.03 Double Bedroom	110.3	51.69	20.44	Pass	Pass
DB000002	1.03 Double Ensuite Bedroom	200.3	58.06	17.78	Pass	Pass
DB000002	1.03 Double Ensuite Bedroom	200.3	60.49	20.21	Pass	Pass
KD000005	1.03 K/D/L-2 bed	200.3	30.91	18.38	Pass	Pass
KD000005	1.03 K/D/L-2 bed	200.3	17.68	14.63	Fail	Pass
KD000005	1.03 K/D/L-2 bed	200.3	24.89	17.34	Fail	Pass
KD000005	1.03 K/D/L-2 bed	200.3	21.18	16.2	Fail	Pass
KD000005	1.03 K/D/L-2 bed	110.3	47.51	16.53	Pass	Pass

KD000005	1.03 K/D/L-2 bed	110.3	49.1	18.12	Pass	Pass
KD000005	1.03 K/D/L-2 bed	110.3	47.41	16.86	Pass	Pass
KD000005	1.03 K/D/L-2 bed	110.3	49.64	19.09	Pass	Pass
BD000008	1.04 Double Bedroom	200.3	60.99	20.71	Pass	Pass
BD000008	1.04 Double Bedroom	200.3	58.66	18.39	Pass	Pass
BD00002D	1.04 K/D/L-1 bed	200.3	11.43	5.49	Fail	Pass
BD00002D	1.04 K/D/L-1 bed	200.3	13.23	10.81	Fail	Pass
BD00002D	1.04 K/D/L-1 bed	200.3	14.07	8.83	Fail	Pass
BD00002D	1.04 K/D/L-1 bed	200.3	14.89	11.04	Fail	Pass
KD000031	1.05 Double Bedroom	200.3	58.54	18.26	Pass	Pass
KD000031	1.05 Double Bedroom	200.3	61.91	21.63	Pass	Pass
CY000001	1.05 K/D/L-1 bed	200.3	13.64	9.76	Fail	Pass
CY000001	1.05 K/D/L-1 bed	200.3	13.91	8.69	Fail	Pass
CY000001	1.05 K/D/L-1 bed	200.3	12.27	9.78	Fail	Pass
CY000001	1.05 K/D/L-1 bed	200.3	11.55	5.75	Fail	Pass
RF000004	1.06 Double Bedroom	200.3	56.48	21.07	Pass	Pass
RF000004	1.06 Double Bedroom	200.3	53.57	18.15	Pass	Pass
PL000002	1.06 K/D/L-1 bed	200.3	11.72	6.13	Fail	Pass
PL000002	1.06 K/D/L-1 bed	200.3	10.2	7.96	Fail	Pass
PL000002	1.06 K/D/L-1 bed	200.3	12.76	7.96	Fail	Pass
PL000002	1.06 K/D/L-1 bed	200.3	11.61	8.08	Fail	Pass
BD000005	1.07 Double Bedroom	200.3	60.65	22.45	Pass	Pass
BD000005	1.07 Double Bedroom	200.3	63.57	25.38	Pass	Pass
KD000006	1.07 K/D/L-1 bed	200.3	15.42	9.39	Fail	Pass
KD000006	1.07 K/D/L-1 bed	200.3	13.88	11.32	Fail	Pass
KD000006	1.07 K/D/L-1 bed	200.3	18.77	13.33	Fail	Pass
KD000006	1.07 K/D/L-1 bed	200.3	17.74	13.74	Fail	Pass
KD000009	2.02 K/D/L-2 bed	110.3	21.77	4.86	Fail	Fail
KD000009	2.02 K/D/L-2 bed	110.3	28.95	11.63	Pass	Pass
KD000009	2.02 K/D/L-2 bed	110.3	25.9	8.69	Pass	Pass
KD000009	2.02 K/D/L-2 bed	110.3	27.99	10.71	Pass	Pass
BD00000E	2.03 Double Bedroom	110.3	53.42	21.53	Pass	Pass
BD00000E	2.03 Double Bedroom	110.3	53.47	21.53	Pass	Pass
DB000005	2.03 Double Ensuite Bedroom	200.3	65.45	25.17	Pass	Pass
DB000005	2.03 Double Ensuite Bedroom	200.3	68.82	28.54	Pass	Pass
KD00000B	2.03 K/D/L-2 bed	200.3	37.04	24.54	Pass	Pass
KD00000B	2.03 K/D/L-2 bed	200.3	23.3	20.24	Fail	Pass
KD00000B	2.03 K/D/L-2 bed	200.3	30.95	23.41	Pass	Pass
KD00000B	2.03 K/D/L-2 bed	200.3	27.41	22.43	Pass	Pass
KD00000B	2.03 K/D/L-2 bed	110.3	52.08	20.84	Pass	Pass
KD00000B	2.03 K/D/L-2 bed	110.3	53.06	21.81	Pass	Pass
KD00000B	2.03 K/D/L-2 bed	110.3	52.66	21.46	Pass	Pass

KD00000B	2.03 K/D/L-2 bed	110.3	52.78	21.53	Pass	Pass
BD000009	2.04 Double Bedroom	200.3	69.8	29.52	Pass	Pass
BD000009	2.04 Double Bedroom	200.3	67.21	26.93	Pass	Pass
BD000006	2.04 K/D/L-1 bed	200.3	15.81	9.89	Fail	Pass
BD000006	2.04 K/D/L-1 bed	200.3	18.8	16.38	Fail	Pass
BD000006	2.04 K/D/L-1 bed	200.3	20.09	14.86	Fail	Pass
BD000006	2.04 K/D/L-1 bed	200.3	20.84	17	Fail	Pass
DB000016	2.05 Double Bedroom	200.3	68.26	27.98	Pass	Pass
DB000016	2.05 Double Bedroom	200.3	70.01	29.73	Pass	Pass
KD000001	2.05 K/D/L-1 bed	200.3	15.75	9.83	Fail	Pass
KD000001	2.05 K/D/L-1 bed	200.3	18.51	16.1	Fail	Pass
KD000001	2.05 K/D/L-1 bed	200.3	19.6	14.5	Fail	Pass
KD000001	2.05 K/D/L-1 bed	200.3	20.22	16.47	Fail	Pass
DB000003	2.06 Double Bedroom	200.3	64.24	28.77	Pass	Pass
DB000003	2.06 Double Bedroom	200.3	62.27	26.86	Pass	Pass
KD000002	2.06 K/D/L-1 bed	200.3	15.18	9.74	Fail	Pass
KD000002	2.06 K/D/L-1 bed	200.3	14.15	12.01	Fail	Pass
KD000002	2.06 K/D/L-1 bed	200.3	17.15	12.47	Fail	Pass
KD000002	2.06 K/D/L-1 bed	200.3	16.06	12.68	Fail	Pass
BD00000C	2.07 Double Bedroom	200.3	68.87	29.98	Pass	Pass
BD00000C	2.07 Double Bedroom	200.3	71.27	32.12	Pass	Pass
KD000007	2.07 K/D/L-1 bed	200.3	19.82	13.86	Fail	Pass
KD000007	2.07 K/D/L-1 bed	200.3	18.8	16.35	Fail	Pass
KD000007	2.07 K/D/L-1 bed	200.3	23.94	18.67	Fail	Pass
KD000007	2.07 K/D/L-1 bed	200.3	22.96	19.1	Fail	Pass
KD000010	3.02 K/D/L-2 bed	110.3	28.36	11.08	Pass	Pass
KD000010	3.02 K/D/L-2 bed	110.3	26.12	8.9	Pass	Pass
KD000010	3.02 K/D/L-2 bed	110.3	29.27	11.95	Pass	Pass
KD000010	3.02 K/D/L-2 bed	110.3	21.86	4.96	Fail	Fail
BD000017	3.03 Double Bedroom	110.3	53.47	21.53	Pass	Pass
BD000017	3.03 Double Bedroom	110.3	53.47	21.53	Pass	Pass
DB000009	3.03 Double Ensuite Bedroom	200.3	73.5	33.23	Pass	Pass
DB000009	3.03 Double Ensuite Bedroom	200.3	72.11	31.83	Pass	Pass
KD000012	3.03 K/D/L-2 bed	200.3	31.4	26.42	Pass	Pass
KD000012	3.03 K/D/L-2 bed	200.3	35.7	28.16	Pass	Pass
KD000012	3.03 K/D/L-2 bed	200.3	25.86	22.81	Pass	Pass
KD000012	3.03 K/D/L-2 bed	200.3	42.02	29.52	Pass	Pass
KD000012	3.03 K/D/L-2 bed	110.3	52.78	21.53	Pass	Pass
KD000012	3.03 K/D/L-2 bed	110.3	52.78	21.53	Pass	Pass
KD000012	3.03 K/D/L-2 bed	110.3	53.06	21.81	Pass	Pass
KD000012	3.03 K/D/L-2 bed	110.3	53.07	21.81	Pass	Pass
BD000012	3.04 Double Bedroom	200.3	72.81	32.53	Pass	Pass

BD000012	3.04 Double Bedroom	200.3	74.2	33.92	Pass	Pass
BD00000B	3.04 K/D/L-1 bed	200.3	24.16	20.3	Fail	Pass
BD00000B	3.04 K/D/L-1 bed	200.3	24.2	18.95	Fail	Pass
BD00000B	3.04 K/D/L-1 bed	200.3	20.8	18.37	Fail	Pass
BD00000B	3.04 K/D/L-1 bed	200.3	20.07	14.12	Fail	Pass
KD00002B	3.05 Double Bedroom	200.3	74.5	34.23	Pass	Pass
KD00002B	3.05 Double Bedroom	200.3	72.45	32.17	Pass	Pass
KD00000C	3.05 K/D/L-1 bed	200.3	23.64	20.04	Fail	Pass
KD00000C	3.05 K/D/L-1 bed	200.3	24.02	19.04	Fail	Pass
KD00000C	3.05 K/D/L-1 bed	200.3	20.18	17.94	Fail	Pass
KD00000C	3.05 K/D/L-1 bed	200.3	20.22	14.56	Fail	Pass
DB000007	3.06 Double Bedroom	200.3	65.74	30.32	Pass	Pass
DB000007	3.06 Double Bedroom	200.3	67.76	31.61	Pass	Pass
KD00000D	3.06 K/D/L-1 bed	200.3	18.81	15.48	Fail	Pass
KD00000D	3.06 K/D/L-1 bed	200.3	20.14	15.49	Fail	Pass
KD00000D	3.06 K/D/L-1 bed	200.3	15.51	13.38	Fail	Pass
KD00000D	3.06 K/D/L-1 bed	200.3	18.18	12.77	Fail	Pass
BD000015	3.07 Double Bedroom	200.3	74.31	34.72	Pass	Pass
BD000015	3.07 Double Bedroom	200.3	73.63	34.04	Pass	Pass
KD00000E	3.07 K/D/L-1 bed	200.3	24.91	21.16	Fail	Pass
KD00000E	3.07 K/D/L-1 bed	200.3	26.42	21.23	Pass	Pass
KD00000E	3.07 K/D/L-1 bed	200.3	20.47	18.14	Fail	Pass
KD00000E	3.07 K/D/L-1 bed	200.3	22.57	16.68	Fail	Pass
KD000017	4.02 K/D/L-2 bed	110.3	23.49	6.59	Fail	Pass
KD000017	4.02 K/D/L-2 bed	110.3	31.06	13.74	Pass	Pass
KD000017	4.02 K/D/L-2 bed	110.3	27.96	10.74	Pass	Pass
KD000017	4.02 K/D/L-2 bed	110.3	30.14	12.86	Pass	Pass
BD000020	4.03 Double Bedroom	110.3	54.17	22.22	Pass	Pass
BD000020	4.03 Double Bedroom	110.3	54.17	22.22	Pass	Pass
DB00000D	4.03 Double Ensuite Bedroom	200.3	74.31	34.03	Pass	Pass
DB00000D	4.03 Double Ensuite Bedroom	200.3	75.39	35.11	Pass	Pass
KD000019	4.03 K/D/L-2 bed	200.3	43.86	31.35	Pass	Pass
KD000019	4.03 K/D/L-2 bed	200.3	26.47	23.42	Pass	Pass
KD000019	4.03 K/D/L-2 bed	200.3	37.54	29.99	Pass	Pass
KD000019	4.03 K/D/L-2 bed	200.3	33.01	28.02	Pass	Pass
KD000019	4.03 K/D/L-2 bed	110.3	53.48	22.22	Pass	Pass
KD000019	4.03 K/D/L-2 bed	110.3	54	22.22	Pass	Pass
KD000019	4.03 K/D/L-2 bed	110.3	53.47	22.22	Pass	Pass
KD000019	4.03 K/D/L-2 bed	110.3	54	22.22	Pass	Pass
BD00001B	4.04 Double Bedroom	200.3	76.06	35.78	Pass	Pass
BD00001B	4.04 Double Bedroom	200.3	75	34.72	Pass	Pass
BD000014	4.04 K/D/L-1 bed	200.3	21.87	15.92	Fail	Pass

BD000014	4.04 K/D/L-1 bed	200.3	21.23	18.79	Fail	Pass
BD000014	4.04 K/D/L-1 bed	200.3	26	20.74	Pass	Pass
BD000014	4.04 K/D/L-1 bed	200.3	25.69	21.84	Pass	Pass
DB000015	4.05 Double Bedroom	200.3	75.3	35.03	Pass	Pass
DB000015	4.05 Double Bedroom	200.3	76.19	35.91	Pass	Pass
KD000013	4.05 K/D/L-1 bed	200.3	22.04	16.38	Fail	Pass
KD000013	4.05 K/D/L-1 bed	200.3	20.64	18.38	Fail	Pass
KD000013	4.05 K/D/L-1 bed	200.3	25.81	20.83	Pass	Pass
KD000013	4.05 K/D/L-1 bed	200.3	25.14	21.53	Pass	Pass
KD000013	4.05 K/D/L-1 bed	200.3	19.54	17.6	Fail	Pass
DB00000B	4.06 Double Bedroom	200.3	70.68	32.88	Pass	Pass
DB00000B	4.06 Double Bedroom	200.3	69.15	32.34	Pass	Pass
KD000014	4.06 K/D/L-1 bed	200.3	19.73	14.37	Fail	Pass
KD000014	4.06 K/D/L-1 bed	200.3	15.5	13.41	Fail	Pass
KD000014	4.06 K/D/L-1 bed	200.3	21.65	17.02	Fail	Pass
KD000014	4.06 K/D/L-1 bed	200.3	20.08	16.85	Fail	Pass
BD00001E	4.07 Double Bedroom	200.3	75	35.42	Pass	Pass
BD00001E	4.07 Double Bedroom	200.3	75.67	35.42	Pass	Pass
KD000015	4.07 K/D/L-1 bed	200.3	23.41	17.48	Fail	Pass
KD000015	4.07 K/D/L-1 bed	200.3	21.15	18.73	Fail	Pass
KD000015	4.07 K/D/L-1 bed	200.3	27.48	22.24	Pass	Pass
KD000015	4.07 K/D/L-1 bed	200.3	26.35	22.5	Pass	Pass
KD00001E	5.02 K/D/L-2 bed	110.3	49.79	17.31	Pass	Pass
KD00001E	5.02 K/D/L-2 bed	110.3	45.81	13.89	Pass	Pass
KD00001E	5.02 K/D/L-2 bed	110.3	52.07	19.55	Pass	Pass
KD00001E	5.02 K/D/L-2 bed	110.3	36.45	8.05	Pass	Pass
BD000029	5.03 Double Bedroom	110.3	55.56	22.92	Pass	Pass
BD000029	5.03 Double Bedroom	110.3	55.4	22.92	Pass	Pass
DB000011	5.03 Double Ensuite Bedroom	200.3	77.08	36.81	Pass	Pass
DB000011	5.03 Double Ensuite Bedroom	200.3	76.97	36.69	Pass	Pass
KD000020	5.03 K/D/L-2 bed	200.3	63.14	34.37	Pass	Pass
KD000020	5.03 K/D/L-2 bed	200.3	69.8	36.4	Pass	Pass
KD000020	5.03 K/D/L-2 bed	200.3	52.47	28.96	Pass	Pass
KD000020	5.03 K/D/L-2 bed	200.3	73.16	36.69	Pass	Pass
KD000020	5.03 K/D/L-2 bed	110.3	55.57	22.94	Pass	Pass
KD000020	5.03 K/D/L-2 bed	110.3	55.31	22.79	Pass	Pass
KD000020	5.03 K/D/L-2 bed	110.3	55.56	22.92	Pass	Pass
KD000020	5.03 K/D/L-2 bed	110.3	55.2	22.65	Pass	Pass
BD000024	5.04 Double Bedroom	200.3	77.08	36.81	Pass	Pass
BD000024	5.04 Double Bedroom	200.3	77.08	36.81	Pass	Pass
BD00001D	5.04 K/D/L-1 bed	200.3	51.49	26.3	Pass	Pass
BD00001D	5.04 K/D/L-1 bed	200.3	51.22	25.21	Pass	Pass

BD00001D	5.04 K/D/L-1 bed	200.3	44.01	22.68	Pass	Pass
BD00001D	5.04 K/D/L-1 bed	200.3	41.55	19.12	Pass	Pass
KD000027	5.05 Double Bedroom	200.3	77.08	36.81	Pass	Pass
KD000027	5.05 Double Bedroom	200.3	77.08	36.81	Pass	Pass
KD000022	5.05 K/D/L-1 bed	200.3	51.6	26.29	Pass	Pass
KD000022	5.05 K/D/L-1 bed	200.3	51.07	25.05	Pass	Pass
KD000022	5.05 K/D/L-1 bed	200.3	44.29	22.76	Pass	Pass
KD000022	5.05 K/D/L-1 bed	200.3	41.35	18.99	Pass	Pass
DB00000F	5.06 Double Bedroom	200.3	72.82	33.26	Pass	Pass
DB00000F	5.06 Double Bedroom	200.3	74.75	34.48	Pass	Pass
KD00001B	5.06 K/D/L-1 bed	200.3	21.72	18.07	Fail	Pass
KD00001B	5.06 K/D/L-1 bed	200.3	23.16	18.3	Fail	Pass
KD00001B	5.06 K/D/L-1 bed	200.3	16.51	14.24	Fail	Pass
KD00001B	5.06 K/D/L-1 bed	200.3	20.9	15.36	Fail	Pass
BD000027	5.07 Double Bedroom	200.3	76.66	36.38	Pass	Pass
BD000027	5.07 Double Bedroom	200.3	76.39	36.11	Pass	Pass
KD00001C	5.07 K/D/L-1 bed	200.3	26.35	22.5	Pass	Pass
KD00001C	5.07 K/D/L-1 bed	200.3	27.49	22.25	Pass	Pass
KD00001C	5.07 K/D/L-1 bed	200.3	21.15	18.73	Fail	Pass
KD00001C	5.07 K/D/L-1 bed	200.3	23.41	17.48	Fail	Pass
DB000013	6.02 Double Bedroom	200.3	77.08	36.81	Pass	Pass
DB000013	6.02 Double Bedroom	200.3	77.7	36.81	Pass	Pass
KD000021	6.02 K/D/L-1 bed	200.3	50.18	35.39	Pass	Pass
KD000021	6.02 K/D/L-1 bed	200.3	42.36	33.03	Pass	Pass
KD000021	6.02 K/D/L-1 bed	200.3	57.7	36.22	Pass	Pass
KD000021	6.02 K/D/L-1 bed	200.3	31.33	26.47	Pass	Pass
KD000021	6.02 K/D/L-1 bed	110.3	56.94	24.31	Pass	Pass
KD000021	6.02 K/D/L-1 bed	110.3	56.79	24.15	Pass	Pass
BD000030	6.03 Double Bedroom	200.3	77.7	36.81	Pass	Pass
BD000030	6.03 Double Bedroom	200.3	77.08	36.81	Pass	Pass
KD000023	6.03 K/D/L-1 bed	200.3	24.35	20.75	Fail	Pass
KD000023	6.03 K/D/L-1 bed	200.3	26.52	18.37	Pass	Pass
KD000023	6.03 K/D/L-1 bed	200.3	30.7	24.78	Pass	Pass
KD000023	6.03 K/D/L-1 bed	200.3	30.59	23.04	Pass	Pass

APSH - Block I						
Room ID	Room Name	Orientation	Annual	Winter	Annual Result	Winter Result
0	0.04_K/D/L - 1bed	200.3	46.7	27.97	Pass	Pass
0	0.04_K/D/L - 1bed	200.3	45.13	27.77	Pass	Pass
10000006	2.01_K/D/L -2bed	200.3	58.64	35.88	Pass	Pass

10000006	2.01_K/D/L -2bed	200.3	59.96	36.1	Pass	Pass
10000006	2.01_K/D/L -2bed	200.3	63.38	36.41	Pass	Pass
1000000D	2.02_Double Bedroom	200.3	66.33	35.61	Pass	Pass
1000000D	2.02_Double Bedroom	200.3	72.91	36.59	Pass	Pass
10000029	2.06_Double Bedroom	200.3	40.63	21.14	Pass	Pass
10000029	2.06_Double Bedroom	200.3	41.2	21.14	Pass	Pass
1000002A	2.06_K/D/L -1bed	200.3	47.62	24.77	Pass	Pass
1000002A	2.06_K/D/L -1bed	200.3	48.43	25.48	Pass	Pass
1000002E	2.07_Double Bedroom	20.3	6.61	0	Fail	Fail
1000002F	2.07_K/D/L -1bed	200.3	50.11	27.14	Pass	Pass
1000002F	2.07_K/D/L -1bed	200.3	51.9	27.11	Pass	Pass
1000002F	2.07_K/D/L -1bed	200.3	49.82	26.67	Pass	Pass
1000002F	2.07_K/D/L -1bed	200.3	44.94	24.62	Pass	Pass
10000034	2.08_K/D/L -1bed	200.3	45.34	23.67	Pass	Pass
10000034	2.08_K/D/L -1bed	200.3	45.77	23.6	Pass	Pass
10000034	2.08_K/D/L -1bed	200.3	49.17	25.15	Pass	Pass
10000034	2.08_K/D/L -1bed	200.3	45	22.88	Pass	Pass
10000038	2.09_Double Bedroom	200.3	37.54	16.71	Pass	Pass
10000038	2.09_Double Bedroom	200.3	37.05	16.71	Pass	Pass
10000039	2.09_K/D/L -1bed	200.3	43.03	20.07	Pass	Pass
10000039	2.09_K/D/L -1bed	200.3	44.01	21.53	Pass	Pass
11000008	2.11_Double Bedroom	110.3	9.19	7.04	Fail	Pass
11000008	2.11_Double Bedroom	110.3	8.33	6.69	Fail	Pass
1100000A	2.11_K/D/L - 2bed	110.3	11.32	5.31	Fail	Pass
1100000A	2.11_K/D/L - 2bed	110.3	10.16	4.96	Fail	Fail
1100000A	2.11_K/D/L - 2bed	110.3	10.7	5.19	Fail	Pass
1100000A	2.11_K/D/L - 2bed	110.3	11	4.41	Fail	Fail
11000011	2.12_Double Bedroom	110.3	14.46	10.14	Fail	Pass
11000011	2.12_Double Bedroom	110.3	14.46	10.14	Fail	Pass
11000012	2.12_Double Bedroom Ensuite	110.3	18.26	11.97	Fail	Pass
11000012	2.12_Double Bedroom Ensuite	110.3	18.26	11.97	Fail	Pass
11000013	2.12_K/D/L - 2bed	110.3	9.22	7.24	Fail	Pass
11000013	2.12_K/D/L - 2bed	110.3	11.6	7.58	Fail	Pass
11000013	2.12_K/D/L - 2bed	110.3	10.36	7.37	Fail	Pass
11000019	2.13_Double Bedroom	200.3	70.26	34.91	Pass	Pass
11000019	2.13_Double Bedroom	200.3	71.66	36.81	Pass	Pass
1100001A	2.13_Double Bedroom Ensuite	110.3	24.84	15.9	Fail	Pass
1100001A	2.13_Double Bedroom Ensuite	110.3	24.84	15.9	Fail	Pass
1100001B	2.13_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
1100001B	2.13_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
1100001B	2.13_K/D/L - 3bed	200.3	63.46	36.37	Pass	Pass
1100001B	2.13_K/D/L - 3bed	200.3	61.22	36.06	Pass	Pass

1100001B	2.13_K/D/L - 3bed	200.3	61.26	35.84	Pass	Pass
1100001C	2.13_Single Bedroom	200.3	77.83	36.67	Pass	Pass
1100001C	2.13_Single Bedroom	200.3	70.97	36.33	Pass	Pass
11000024	2.14_K/D/L - 2bed	200.3	61.03	35.72	Pass	Pass
11000024	2.14_K/D/L - 2bed	200.3	60.22	35.93	Pass	Pass
11000024	2.14_K/D/L - 2bed	200.3	61.7	36.19	Pass	Pass
20000006	3.01_K/D/L -2bed	200.3	58.69	35.88	Pass	Pass
20000006	3.01_K/D/L -2bed	200.3	59.96	36.1	Pass	Pass
20000006	3.01_K/D/L -2bed	200.3	63.38	36.41	Pass	Pass
2000000D	3.02_Double Bedroom	200.3	67.09	35.61	Pass	Pass
2000000D	3.02_Double Bedroom	200.3	74.07	36.59	Pass	Pass
20000010	3.02_Single Bedroom	200.3	68.62	36.81	Pass	Pass
20000010	3.02_Single Bedroom	200.3	65.48	34.49	Pass	Pass
21000008	3.09_Double Bedroom	110.3	9.18	6.82	Fail	Pass
21000008	3.09_Double Bedroom	110.3	12.33	5.69	Fail	Pass
2100000A	3.09_K/D/L - 2bed	110.3	16.79	5.31	Fail	Pass
2100000A	3.09_K/D/L - 2bed	110.3	13.88	5.08	Fail	Pass
2100000A	3.09_K/D/L - 2bed	110.3	16.71	5.25	Fail	Pass
2100000A	3.09_K/D/L - 2bed	110.3	15.72	4.44	Fail	Fail
21000011	3.10_Double Bedroom	110.3	14.46	10.14	Fail	Pass
21000011	3.10_Double Bedroom	110.3	14.46	10.14	Fail	Pass
21000012	3.10_Double Bedroom Ensuite	110.3	18.26	11.97	Fail	Pass
21000012	3.10_Double Bedroom Ensuite	110.3	18.26	11.97	Fail	Pass
21000013	3.10_K/D/L - 2bed	110.3	7.25	6.5	Fail	Pass
21000013	3.10_K/D/L - 2bed	110.3	8.41	7.42	Fail	Pass
21000013	3.10_K/D/L - 2bed	110.3	7.5	6.84	Fail	Pass
21000019	3.11_Double Bedroom	200.3	70.67	34.91	Pass	Pass
21000019	3.11_Double Bedroom	200.3	71.78	36.81	Pass	Pass
2100001A	3.11_Double Bedroom Ensuite	110.3	24.84	15.9	Fail	Pass
2100001A	3.11_Double Bedroom Ensuite	110.3	24.84	15.9	Fail	Pass
2100001B	3.11_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
2100001B	3.11_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
2100001B	3.11_K/D/L - 3bed	200.3	63.75	36.37	Pass	Pass
2100001B	3.11_K/D/L - 3bed	200.3	61.5	36.06	Pass	Pass
2100001B	3.11_K/D/L - 3bed	200.3	61.53	35.84	Pass	Pass
2100001C	3.11_Single Bedroom	200.3	77.71	36.67	Pass	Pass
2100001C	3.11_Single Bedroom	200.3	71.27	36.33	Pass	Pass
21000024	3.12_K/D/L - 2bed	200.3	62.57	35.72	Pass	Pass
21000024	3.12_K/D/L - 2bed	200.3	61.63	35.93	Pass	Pass
21000024	3.12_K/D/L - 2bed	200.3	62.47	36.19	Pass	Pass
30000006	4.01_K/D/L -2bed	200.3	59.44	35.88	Pass	Pass
30000006	4.01_K/D/L -2bed	200.3	60.75	36.1	Pass	Pass



30000006	4.01_K/D/L - 2bed	200.3	64.14	36.41	Pass	Pass
3000000D	4.02_Double Bedroom	200.3	70.94	35.62	Pass	Pass
3000000D	4.02_Double Bedroom	200.3	77.72	36.59	Pass	Pass
3000000E	4.02_Double Bedroom Ensuite	290.3	42.13	13.19	Pass	Pass
3000000E	4.02_Double Bedroom Ensuite	290.3	40.08	13.19	Pass	Pass
3000000F	4.02_K/D/L - 3bed	200.3	61.58	35.79	Pass	Pass
3000000F	4.02_K/D/L - 3bed	200.3	59.81	35.58	Pass	Pass
3000000F	4.02_K/D/L - 3bed	200.3	59.9	35.44	Pass	Pass
3000000F	4.02_K/D/L - 3bed	290.3	42.13	13.19	Pass	Pass
3000000F	4.02_K/D/L - 3bed	290.3	40.08	13.19	Pass	Pass
30000010	4.02_Single Bedroom	200.3	67.15	34.49	Pass	Pass
30000010	4.02_Single Bedroom	200.3	69.31	36.81	Pass	Pass
3000002F	4.05_Double Bedroom	110.3	24.98	7.6	Fail	Pass
3000002F	4.05_Double Bedroom	110.3	20.94	7.44	Fail	Pass
30000031	4.05_K/D/L - 2bed	110.3	22.6	5.56	Fail	Pass
30000031	4.05_K/D/L - 2bed	110.3	25.63	5.78	Pass	Pass
30000031	4.05_K/D/L - 2bed	110.3	29.48	5.57	Pass	Pass
30000031	4.05_K/D/L - 2bed	110.3	28.18	5.5	Pass	Pass
31000005	4.06_Double Bedroom	110.3	14.69	10.14	Fail	Pass
31000005	4.06_Double Bedroom	110.3	15.95	10.14	Fail	Pass
31000006	4.06_Double Bedroom Ensuite	110.3	18.38	11.97	Fail	Pass
31000006	4.06_Double Bedroom Ensuite	110.3	18.26	11.97	Fail	Pass
31000007	4.06_K/D/L - 2bed	110.3	17.27	7.64	Fail	Pass
31000007	4.06_K/D/L - 2bed	110.3	15.86	7.68	Fail	Pass
31000007	4.06_K/D/L - 2bed	110.3	18.51	7.64	Fail	Pass
3100000D	4.07_Double Bedroom	200.3	70.56	34.91	Pass	Pass
3100000D	4.07_Double Bedroom	200.3	72.25	36.81	Pass	Pass
3100000E	4.07_Double Bedroom Ensuite	110.3	24.84	15.9	Fail	Pass
3100000E	4.07_Double Bedroom Ensuite	110.3	24.84	15.9	Fail	Pass
3100000F	4.07_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
3100000F	4.07_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
3100000F	4.07_K/D/L - 3bed	200.3	63.79	36.37	Pass	Pass
3100000F	4.07_K/D/L - 3bed	200.3	61.56	36.06	Pass	Pass
3100000F	4.07_K/D/L - 3bed	200.3	61.6	35.84	Pass	Pass
31000010	4.07_Single Bedroom	200.3	78.3	36.67	Pass	Pass
31000010	4.07_Single Bedroom	200.3	71.15	36.33	Pass	Pass
31000018	4.08_K/D/L - 2bed	200.3	62.89	35.72	Pass	Pass
31000018	4.08_K/D/L - 2bed	200.3	61.98	35.93	Pass	Pass
31000018	4.08_K/D/L - 2bed	200.3	62.85	36.19	Pass	Pass
40000006	5.01_K/D/L - 2bed	200.3	79.86	36.81	Pass	Pass
40000006	5.01_K/D/L - 2bed	200.3	79.86	36.81	Pass	Pass
40000006	5.01_K/D/L - 2bed	200.3	79.86	36.81	Pass	Pass

4000000D	5.02_Double Bedroom	200.3	79.86	36.81	Pass	Pass
4000000D	5.02_Double Bedroom	200.3	79.86	36.81	Pass	Pass
4000000E	5.02_Double Bedroom Ensuite	290.3	42.36	13.19	Pass	Pass
4000000E	5.02_Double Bedroom Ensuite	290.3	42.36	13.19	Pass	Pass
4000000F	5.02_K/D/L - 3bed	200.3	79.86	36.81	Pass	Pass
4000000F	5.02_K/D/L - 3bed	200.3	79.86	36.81	Pass	Pass
4000000F	5.02_K/D/L - 3bed	200.3	79.86	36.81	Pass	Pass
40000035	5.05_Double Bedroom	200.3	70.76	34	Pass	Pass
40000035	5.05_Double Bedroom	200.3	71.62	36.64	Pass	Pass
40000036	5.05_Double Bedroom Ensuite	110.3	25.2	15.9	Pass	Pass
40000036	5.05_Double Bedroom Ensuite	110.3	25.54	15.9	Pass	Pass
40000037	5.05_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
40000037	5.05_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
40000037	5.05_K/D/L - 3bed	200.3	56.86	34.28	Pass	Pass
40000037	5.05_K/D/L - 3bed	200.3	56.51	34.63	Pass	Pass
40000037	5.05_K/D/L - 3bed	200.3	58.53	35.18	Pass	Pass
40000038	5.05_Single Bedroom	200.3	77.44	36.55	Pass	Pass
40000038	5.05_Single Bedroom	200.3	70.49	36.29	Pass	Pass
40000040	5.06_K/D/L - 2bed	200.3	57.57	34.82	Pass	Pass
40000040	5.06_K/D/L - 2bed	200.3	57.05	34.35	Pass	Pass
40000040	5.06_K/D/L - 2bed	200.3	58.23	34.06	Pass	Pass
50000006	6.01_Double Bedroom Ensuite	110.3	22.2	11.97	Fail	Pass
50000006	6.01_Double Bedroom Ensuite	110.3	22.07	11.97	Fail	Pass
50000007	6.01_K/D/L - 3bed	110.3	24.3	7.68	Fail	Pass
50000007	6.01_K/D/L - 3bed	110.3	24.43	7.68	Fail	Pass
50000008	6.01_Single Bedroom	110.3	21.36	10.14	Fail	Pass
50000008	6.01_Single Bedroom	110.3	21.49	10.14	Fail	Pass
5000000F	6.02_Double Bedroom	200.3	72.03	36.64	Pass	Pass
5000000F	6.02_Double Bedroom	200.3	72.46	34	Pass	Pass
50000010	6.02_Double Bedroom Ensuite	110.3	25.54	15.9	Pass	Pass
50000010	6.02_Double Bedroom Ensuite	110.3	25.54	15.9	Pass	Pass
50000011	6.02_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
50000011	6.02_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
50000011	6.02_K/D/L - 3bed	200.3	58.77	35.18	Pass	Pass
50000011	6.02_K/D/L - 3bed	200.3	56.75	34.63	Pass	Pass
50000011	6.02_K/D/L - 3bed	200.3	57.07	34.28	Pass	Pass
50000012	6.02_Single Bedroom	200.3	71.21	36.29	Pass	Pass
50000012	6.02_Single Bedroom	200.3	77.54	36.55	Pass	Pass
5000001A	6.03_K/D/L - 2bed	200.3	58.36	34.11	Pass	Pass
5000001A	6.03_K/D/L - 2bed	200.3	57.1	34.35	Pass	Pass
5000001A	6.03_K/D/L - 2bed	200.3	57.63	34.82	Pass	Pass
60000006	7.01_Double Bedroom Ensuite	110.3	22.47	11.97	Fail	Pass



60000006	7.01_Double Bedroom Ensuite	110.3	22.59	11.97	Fail	Pass
60000007	7.01_K/D/L - 3bed	110.3	25.56	7.68	Pass	Pass
60000007	7.01_K/D/L - 3bed	110.3	24.91	7.68	Fail	Pass
60000008	7.01_Single Bedroom	110.3	22.62	10.14	Fail	Pass
60000008	7.01_Single Bedroom	110.3	21.98	10.14	Fail	Pass
6000000F	7.02_Double Bedroom	200.3	79.86	36.81	Pass	Pass
6000000F	7.02_Double Bedroom	200.3	79.86	36.81	Pass	Pass
60000010	7.02_Double Bedroom Ensuite	110.3	25.54	15.9	Pass	Pass
60000010	7.02_Double Bedroom Ensuite	110.3	25.54	15.9	Pass	Pass
60000011	7.02_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
60000011	7.02_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
60000011	7.02_K/D/L - 3bed	200.3	79.86	36.81	Pass	Pass
60000011	7.02_K/D/L - 3bed	200.3	79.86	36.81	Pass	Pass
60000011	7.02_K/D/L - 3bed	200.3	79.86	36.81	Pass	Pass
60000012	7.02_Single Bedroom	200.3	79.86	36.81	Pass	Pass
60000012	7.02_Single Bedroom	200.3	79.86	36.81	Pass	Pass
6000001A	7.03_K/D/L - 2bed	200.3	79.86	36.81	Pass	Pass
6000001A	7.03_K/D/L - 2bed	200.3	79.86	36.81	Pass	Pass
6000001A	7.03_K/D/L - 2bed	200.3	79.86	36.81	Pass	Pass
CY000002	1.01_K/D/L - 2bed	200.3	57.11	34.97	Pass	Pass
CY000002	1.01_K/D/L - 2bed	200.3	53.87	34.68	Pass	Pass
CY000002	1.01_K/D/L - 2bed	200.3	52.56	34.27	Pass	Pass
SP000005	0.03_K/D/L - 1bed	200.3	28.2	22.93	Pass	Pass
SP000005	0.03_K/D/L - 1bed	200.3	32.72	24.15	Pass	Pass
SP00000D	0.09_Double Bedroom	110.3	14.47	10.15	Fail	Pass
SP00000D	0.09_Double Bedroom	110.3	14.46	10.14	Fail	Pass
SP00000E	0.08_K/D/L - 2bed	110.3	7.51	4	Fail	Fail
SP00000E	0.08_K/D/L - 2bed	110.3	7.73	3.16	Fail	Fail
SP00000F	0.08_Double Bedroom	110.3	5.17	5.17	Fail	Pass
SP00000F	0.08_Double Bedroom	110.3	1.18	1.18	Fail	Fail
SP000012	0.08_Single Bedroom	110.3	7.62	4.16	Fail	Fail
SP000012	0.08_Single Bedroom	110.3	6.41	2.89	Fail	Fail
SP000016	0.09_K/D/L - 1bed	110.3	5.89	5.69	Fail	Pass
SP000016	0.09_K/D/L - 1bed	110.3	4.36	4.36	Fail	Fail
SP000020	0.06_Double Bedroom	200.3	33.34	17.34	Pass	Pass
SP000020	0.06_Double Bedroom	200.3	33.65	16	Pass	Pass
SP000024	0.06_K/D/L - 1bed	200.3	29.43	19.34	Pass	Pass
SP000024	0.06_K/D/L - 1bed	200.3	32.5	20.64	Pass	Pass
SP000025	0.05_Double Bedroom	200.3	43.99	23.04	Pass	Pass
SP000025	0.05_Double Bedroom	200.3	44.25	23.69	Pass	Pass
SP000028	0.05_K/D/L - 1bed	200.3	46.45	26.68	Pass	Pass
SP000028	0.05_K/D/L - 1bed	200.3	45.04	25.87	Pass	Pass

SP00002A	0.04_Double Bedroom	200.3	47.2	26.85	Pass	Pass
SP00002A	0.04_Double Bedroom	200.3	46.92	27.25	Pass	Pass
SP00002E	0.03_Double Bedroom	200.3	34.6	20.08	Pass	Pass
SP00002E	0.03_Double Bedroom	200.3	33.79	20.19	Pass	Pass
SP000058	1.02_K/D/L - 3bed	200.3	51.06	33.82	Pass	Pass
SP000058	1.02_K/D/L - 3bed	200.3	50.47	34.05	Pass	Pass
SP000058	1.02_K/D/L - 3bed	200.3	51.41	34.45	Pass	Pass
SP000075	1.06_Double Bedroom	200.3	37.86	20.19	Pass	Pass
SP000075	1.06_Double Bedroom	200.3	35.06	21.14	Pass	Pass
SP000077	1.06_K/D/L - 1bed	200.3	33.8	24.15	Pass	Pass
SP000077	1.06_K/D/L - 1bed	200.3	28.45	22.89	Pass	Pass
SP000078	1.07_K/D/L - 1bed	200.3	47.99	27.08	Pass	Pass
SP000078	1.07_K/D/L - 1bed	200.3	47.62	27.14	Pass	Pass
SP000078	1.07_K/D/L - 1bed	200.3	30.05	24.46	Pass	Pass
SP000078	1.07_K/D/L - 1bed	200.3	27.28	22.44	Pass	Pass
SP00007E	1.09_K/D/L - 1bed	200.3	29.43	19.34	Pass	Pass
SP00007E	1.09_K/D/L - 1bed	200.3	32.48	20.61	Pass	Pass
SP000080	1.09_Double Bedroom	200.3	33.65	16.71	Pass	Pass
SP000080	1.09_Double Bedroom	200.3	34.77	16.71	Pass	Pass
SP00008F	1.14_K/D/L - 2bed	200.3	55.54	34.82	Pass	Pass
SP00008F	1.14_K/D/L - 2bed	200.3	54.92	34.35	Pass	Pass
SP00008F	1.14_K/D/L - 2bed	200.3	56.11	34.11	Pass	Pass
SP000093	1.13_Double Bedroom	200.3	70.88	36.64	Pass	Pass
SP000093	1.13_Double Bedroom	200.3	70.22	34	Pass	Pass
SP000094	1.13_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
SP000094	1.13_K/D/L - 3bed	110.3	36	21.83	Pass	Pass
SP000094	1.13_K/D/L - 3bed	200.3	56.27	34.28	Pass	Pass
SP000094	1.13_K/D/L - 3bed	200.3	55.93	34.63	Pass	Pass
SP000094	1.13_K/D/L - 3bed	200.3	57.96	35.18	Pass	Pass
SP000095	1.12_Double Bedroom Ensuite	110.3	18.26	11.97	Fail	Pass
SP000095	1.12_Double Bedroom Ensuite	110.3	18.26	11.97	Fail	Pass
SP000098	1.12_K/D/L - 2bed	110.3	6.57	6.48	Fail	Pass
SP000098	1.12_K/D/L - 2bed	110.3	7.87	7.17	Fail	Pass
SP000098	1.12_K/D/L - 2bed	110.3	6.16	6.16	Fail	Pass
SP00009B	1.13_Double Bedroom Ensuite	110.3	24.84	15.9	Fail	Pass
SP00009B	1.13_Double Bedroom Ensuite	110.3	24.84	15.9	Fail	Pass
SP00009E	1.12_Double Bedroom	110.3	14.46	10.14	Fail	Pass
SP00009E	1.12_Double Bedroom	110.3	14.46	10.14	Fail	Pass
SP0000A4	1.11_K/D/L - 2bed	110.3	8.58	3.97	Fail	Fail
SP0000A4	1.11_K/D/L - 2bed	110.3	8.53	5.02	Fail	Pass
SP0000A4	1.11_K/D/L - 2bed	110.3	8.69	5.15	Fail	Pass
SP0000A4	1.11_K/D/L - 2bed	110.3	8.84	5.27	Fail	Pass

SP0000A7	1.11_Double Bedroom	110.3	8.17	5.5	Fail	Pass
SP0000A7	1.11_Double Bedroom	110.3	7.61	6.67	Fail	Pass
SP0000BD	1.08_K/D/L -1bed	200.3	45.02	23.67	Pass	Pass
SP0000BD	1.08_K/D/L -1bed	200.3	44.63	23.44	Pass	Pass
SP0000BD	1.08_K/D/L -1bed	200.3	28	21.36	Pass	Pass
SP0000BD	1.08_K/D/L -1bed	200.3	29.57	23.12	Pass	Pass
SP0000C0	3.06_K/D/L -2bed	200.3	49.11	24.8	Pass	Pass
SP0000C0	3.06_K/D/L -2bed	200.3	50.54	25.48	Pass	Pass
SP0000C1	3.06_Double Bedroom	200.3	41.38	21.14	Pass	Pass
SP0000C1	3.06_Double Bedroom	200.3	41.95	21.14	Pass	Pass
SP0000C8	3.07_Double Bedroom	200.3	37.69	16.71	Pass	Pass
SP0000C8	3.07_Double Bedroom	200.3	38.89	16.71	Pass	Pass
SP0000CA	3.07_K/D/L -2bed	200.3	46.07	21.53	Pass	Pass
SP0000CA	3.07_K/D/L -2bed	200.3	45.16	20.07	Pass	Pass
SP0000DB	5.04_Double Bedroom Ensuite	110.3	20.22	11.97	Fail	Pass
SP0000DB	5.04_Double Bedroom Ensuite	110.3	21.05	11.97	Fail	Pass
SP0000E1	5.04_K/D/L -3bed	110.3	22.85	7.68	Fail	Pass
SP0000E1	5.04_K/D/L -3bed	110.3	21.6	7.68	Fail	Pass
SP0000E8	5.04_Single Bedroom	110.3	19.91	10.14	Fail	Pass
SP0000E8	5.04_Single Bedroom	110.3	18.62	10.14	Fail	Pass
SP000085	1.14_Double Bedroom	200.3	70.31	36.28	Pass	Pass
SP000085	1.14_Double Bedroom	200.3	75.57	36.53	Pass	Pass

APSH - Block 13 & 16						
Room ID	Room Name	Orientation	Annual	Winter	Annual Result	Winter Result
RM000003	Plot 13.02 K/D/L-5 bed OF	113	40.05	16.77	Pass	Pass
RM000003	Plot 13.02 K/D/L-5 bed OF	113	39.08	17.06	Pass	Pass
RM000001	Plot 13.01 Living Rm-4 Bed OF	113	40.35	14.15	Pass	Pass
RM000001	Plot 13.01 Living Rm-4 Bed OF	113	41.2	15.62	Pass	Pass
7	Plot 13.06 K/D/L-5 bed OF	113	42.79	15.53	Pass	Pass
7	Plot 13.06 K/D/L-5 bed OF	113	42.67	16.26	Pass	Pass
RM000009	Plot 13.04 K/D/L-3 bed OF	113	41.86	16.09	Pass	Pass
RM000009	Plot 13.04 K/D/L-3 bed OF	113	42.5	15.65	Pass	Pass
0000000A	Plot 13.05 K/D/L-3 bed OF	113	42.49	15.43	Pass	Pass
0000000A	Plot 13.05 K/D/L-3 bed OF	113	42.29	15.53	Pass	Pass
0000000C	Plot 13.31 Corridor OF	113	0	0	Fail	Fail
0000000D	Plot 13.31 K/D/L-3 bed OF	113	42.62	16	Pass	Pass
0000000E	Plot 13.30 Living Rm-4 Bed OF	113	46.16	18.57	Pass	Pass
0000000E	Plot 13.30 Living Rm-4 Bed OF	113	42.22	17.22	Pass	Pass

0000000E	Plot 13.30 Living Rm-4 Bed OF	113	43.78	16.7	Pass	Pass
3	Plot 13.03 K/D/L-5 bed OF	113	34.77	13.94	Pass	Pass
3	Plot 13.03 K/D/L-5 bed OF	113	37.26	15.97	Pass	Pass
3000002	Plot 13.32 Corridor OF	113	0	0	Fail	Fail
3000003	Plot 13.32 K/D/L-3 bed OF	113	42.5	15.18	Pass	Pass
3000005	Plot 13.33 Corridor OF	113	0	0	Fail	Fail
3000006	Plot 13.33 K/D/L-3 bed OF	113	39.82	14.37	Pass	Pass
3000008	Plot 13.34 Corridor OF	113	0	0	Fail	Fail
3000009	Plot 13.34 K/D/L-3 bed OF	113	38.45	12.45	Pass	Pass
0300000B	Plot 13.36 Corridor OF	113	0	0	Fail	Fail
0300000C	Plot 13.36 K/D/L-3 bed OF	113	39.15	11.81	Pass	Pass
RM00000A	Plot 13.35 K/D/L-4 bed OF	113	40.13	12.82	Pass	Pass
RM000010	Plot 13.35 Corridor OF	113	0	0	Fail	Fail
1000004	Plot 13.16 Living Rm-2 bed OF	203	48.64	15.22	Pass	Pass
1000006	Plot 13.17 Living Rm-2 bed OF	203	47.56	12.46	Pass	Pass
0100000A	Plot 13.18 Living Rm-2 bed OF	203	47.57	11.22	Pass	Pass
0100000E	Plot 13.19 Living Rm-2 bed OF	203	49.36	12.88	Pass	Pass
2000000	Plot 13.0X WC OF	203	51.8	17.43	Pass	Pass
2000001	Plot 13.20 K/D/L-2 bed OF	203	14.82	8.82	Fail	Pass
2000002	Plot 13.20 Corridor OF	203	50.55	17.15	Pass	Pass
2000002	Plot 13.20 Corridor OF	293	0	0	Fail	Fail
2000004	Plot 13.0X WC OF	203	52.32	15.98	Pass	Pass
2000005	Plot 13.21 K/D/L-2 bed OF	203	8.24	6.63	Fail	Pass
2000006	Plot 13.21 Corridor OF	203	50.21	14.92	Pass	Pass
2000006	Plot 13.21 Corridor OF	293	0	0	Fail	Fail
2000008	Plot 13.22 WC OF	203	54.67	17.48	Pass	Pass
2000009	Plot 13.22 K/D/L-2 bed OF	203	8.77	7.16	Fail	Pass
0200000A	Plot 13.22 Corridor OF	203	52.89	15.99	Pass	Pass
10000004	Plot 13.01 Single Bedroom 1F	113	43.86	15.79	Pass	Pass
RM000016	Plot 13.02 Single Bedroom 1F	113	46.32	19.09	Pass	Pass
RM000015	Plot 13.02 Single Bedroom 1F	113	45.82	20.09	Pass	Pass
10000008	Plot 13.03 Single Bedroom 1F	113	44.9	20.08	Pass	Pass
10000009	Plot 13.03 Single Bedroom 1F	113	41.34	16.69	Pass	Pass
10000010	Plot 13.35 Double Bedroom 1F	113	42.74	14.23	Pass	Pass
10000010	Plot 13.35 Double Bedroom 1F	113	42.94	14.46	Pass	Pass
RM000014	Plot 13.32 Double Bedroom 1F	113	45.23	17.6	Pass	Pass
RM000014	Plot 13.32 Double Bedroom 1F	113	46.31	17.65	Pass	Pass
1000001A	Plot 13.04 Double Bedroom 1F	293	36.65	13.19	Pass	Pass
1000001B	Plot 13.04 Single Bedroom 1F	113	46.6	18.71	Pass	Pass
1000001B	Plot 13.04 Single Bedroom 1F	113	46.16	18.98	Pass	Pass
10000017	Plot 13.05 Single Bedroom 1F	113	47	17.94	Pass	Pass
10000017	Plot 13.05 Single Bedroom 1F	113	46.73	17.57	Pass	Pass

10000020	Plot 13.06 Single Bedroom 1F	113	46.49	17.96	Pass	Pass
10000021	Plot 13.06 Single Bedroom 1F	113	46.1	17.37	Pass	Pass
10000023	Plot 13.31 Double Bedroom 1F	113	45.91	18.83	Pass	Pass
10000023	Plot 13.31 Double Bedroom 1F	113	44.65	17.69	Pass	Pass
10000027	Plot 13.33 Double Bedroom 1F	113	44.82	16.79	Pass	Pass
10000027	Plot 13.33 Double Bedroom 1F	113	44.16	16.46	Pass	Pass
1000002B	Plot 13.34 Double Bedroom 1F	113	42.4	15.46	Pass	Pass
1000002B	Plot 13.34 Double Bedroom 1F	113	38.3	11.62	Pass	Pass
1000002F	Plot 13.36 Double Bedroom 1F	113	42.24	13.62	Pass	Pass
1000002F	Plot 13.36 Double Bedroom 1F	113	42.11	13.1	Pass	Pass
1000003A	Plot 13.16 Bathroom 1F	203	62.3	27.32	Pass	Pass
1000003B	Plot 13.16 Corridor 1F	203	63.26	26.92	Pass	Pass
1000003E	Plot 13.17 Bathroom 1F	203	62.69	25.31	Pass	Pass
1000003F	Plot 13.17 Corridor 1F	203	62.49	24.41	Pass	Pass
10000042	Plot 13.18 Bathroom 1F	203	62.09	23.32	Pass	Pass
10000043	Plot 13.18 Corridor 1F	203	61.88	22.66	Pass	Pass
10000046	Plot 13.19 Bathroom 1F	203	60.42	21.2	Pass	Pass
10000047	Plot 13.19 Corridor 1F	203	58.96	20.08	Pass	Pass
RM00001F	Plot 13.20 Double Bedroom 1F	203	62.08	25.09	Pass	Pass
RM00001F	Plot 13.20 Double Bedroom 1F	203	63.47	26.89	Pass	Pass
10000049	Plot 13.21 Double Bedroom 1F	203	61.82	23.36	Pass	Pass
10000049	Plot 13.21 Double Bedroom 1F	203	63.82	25.39	Pass	Pass
1000004D	Plot 13.22 Double Bedroom 1F	203	60.74	21.95	Pass	Pass
1000004D	Plot 13.22 Double Bedroom 1F	203	64.9	25.51	Pass	Pass
20000000	Plot 13.16 Corridor 2F	203	71.12	31.27	Pass	Pass
20000003	Plot 13.17 Corridor 2F	203	71.24	31.23	Pass	Pass
20000006	Plot 13.18 Corridor 2F	203	70.89	30.88	Pass	Pass
20000009	Plot 13.19 Corridor 2F	203	68.85	28.62	Pass	Pass
20000012	Plot 13.01 Single Bedroom 2F	113	48.37	19.14	Pass	Pass
20000014	Plot 13.30 Single Bedroom 2F	113	49.48	22.19	Pass	Pass
20000023	Plot 13.31 Double Bedroom 2F	113	48.69	20.14	Pass	Pass
20000023	Plot 13.31 Double Bedroom 2F	113	48.63	20.83	Pass	Pass
2000002F	Plot 13.35 Double Bedroom 2F	113	46.87	17.7	Pass	Pass
2000002F	Plot 13.35 Double Bedroom 2F	113	47.15	17.99	Pass	Pass
20000020	Plot 13.32 Double Bedroom 2F	113	50.38	20.24	Pass	Pass
20000020	Plot 13.32 Double Bedroom 2F	113	49.95	20.14	Pass	Pass
20000026	Plot 13.33 Double Bedroom 2F	113	49.12	19.25	Pass	Pass
20000026	Plot 13.33 Double Bedroom 2F	113	50.1	20.48	Pass	Pass
20000029	Plot 13.34 Double Bedroom 2F	113	42.62	14.84	Pass	Pass
20000029	Plot 13.34 Double Bedroom 2F	113	47.86	17.91	Pass	Pass
2000002C	Plot 13.36 Double Bedroom 2F	113	45.95	16.79	Pass	Pass
2000002C	Plot 13.36 Double Bedroom 2F	113	46.37	17.21	Pass	Pass

RM000034	Plot 16.10 K/D/L-2 bed 0F	203	55.28	24.02	Pass	Pass
RM000034	Plot 16.10 K/D/L-2 bed 0F	203	56.87	24.32	Pass	Pass
RM000038	Plot 16.10 Double Bedroom 2F	203	62.44	26.98	Pass	Pass
RM000038	Plot 16.10 Double Bedroom 2F	203	64.16	27.73	Pass	Pass
XK000000	Plot 16.11 K/D/L-2 bed 0F	203	58.54	24.73	Pass	Pass
XK000000	Plot 16.11 K/D/L-2 bed 0F	203	58.58	24.31	Pass	Pass
XD000001	Plot 16.11 Double Bedroom 2F	203	64.8	27.7	Pass	Pass
XD000001	Plot 16.11 Double Bedroom 2F	203	64.49	26.98	Pass	Pass
XK000001	Plot 16.12 K/D/L-2 bed 0F	203	59.67	24.28	Pass	Pass
XK000001	Plot 16.12 K/D/L-2 bed 0F	203	60.49	24.52	Pass	Pass
XD000003	Plot 16.12 Double Bedroom 2F	203	65.73	27.66	Pass	Pass
XD000003	Plot 16.12 Double Bedroom 2F	203	65.92	27.46	Pass	Pass
XK000002	Plot 16.13 K/D/L-2 bed 0F	203	60.7	23.91	Pass	Pass
XK000002	Plot 16.13 K/D/L-2 bed 0F	203	59.91	23.19	Pass	Pass
XD000005	Plot 16.13 Double Bedroom 2F	203	66.81	27.98	Pass	Pass
XD000005	Plot 16.13 Double Bedroom 2F	203	65.8	26.92	Pass	Pass
XK000003	Plot 16.14 K/D/L-2 bed 0F	203	59.22	22.61	Pass	Pass
XK000003	Plot 16.14 K/D/L-2 bed 0F	203	58.12	21.72	Pass	Pass
XD000007	Plot 16.14 Double Bedroom 2F	203	64.92	25.97	Pass	Pass
XD000007	Plot 16.14 Double Bedroom 2F	203	64.2	25.29	Pass	Pass
0200000F	Plot 13.14 K/D/L-5 bed 0F	113	24.93	6.87	Fail	Pass
0200000F	Plot 13.14 K/D/L-5 bed 0F	113	34.93	10.91	Pass	Pass
1000010	Plot 13.15 Living Rm-4 Bed 0F	113	36.88	16.64	Pass	Pass
1000010	Plot 13.15 Living Rm-4 Bed 0F	113	36.6	16.82	Pass	Pass
1000012	Plot 13.15 Kitchen-4 Bed 0F	203	62.45	22.87	Pass	Pass
6000003	Plot 13.10 K/D/L-5 bed 0F	113	36.17	11.13	Pass	Pass
6000003	Plot 13.10 K/D/L-5 bed 0F	113	39.39	12.53	Pass	Pass
4000002	Plot 13.12 K/D/L-3 bed 0F	113	38	11.95	Pass	Pass
4000002	Plot 13.12 K/D/L-3 bed 0F	113	37.49	12.57	Pass	Pass
5000002	Plot 13.11 K/D/L-3 bed 0F	113	40.57	14.19	Pass	Pass
5000002	Plot 13.11 K/D/L-3 bed 0F	113	40.27	14.55	Pass	Pass
3000010	Plot 13.13 K/D/L-5 bed 0F	113	37.53	11.27	Pass	Pass
3000010	Plot 13.13 K/D/L-5 bed 0F	113	35.69	10.35	Pass	Pass
1000014	Plot 13.15 Double Bedroom 1F	203	69.42	29.53	Pass	Pass
1000017	Plot 13.15 Corridor 1F	203	68.85	28.75	Pass	Pass
1000018	Plot 13.15 Single Bedroom 1F	113	43.06	18.25	Pass	Pass
1000018	Plot 13.15 Single Bedroom 1F	203	67.81	27.53	Pass	Pass
2000012	Plot 13.14 Single Bedroom 1F	113	28.91	7.05	Pass	Pass
2000013	Plot 13.14 Single Bedroom 1F	113	40.11	12.21	Pass	Pass
3000011	Plot 13.13 Double Bedroom 1F	293	35.66	12.5	Pass	Pass
3000011	Plot 13.13 Double Bedroom 1F	293	35.13	11.28	Pass	Pass
3000013	Plot 13.13 Single Bedroom 1F	113	42.45	12.72	Pass	Pass



3000014	Plot 13.13 Single Bedroom 1F	113	44.07	14.73	Pass	Pass
4000004	Plot 13.12 Single Bedroom 1F	113	45.8	16.29	Pass	Pass
4000004	Plot 13.12 Single Bedroom 1F	113	45.38	15.87	Pass	Pass
5000004	Plot 13.11 Single Bedroom 1F	113	46.53	17.57	Pass	Pass
5000004	Plot 13.11 Single Bedroom 1F	113	47.56	17.89	Pass	Pass
6000006	Plot 13.10 Single Bedroom 1F	113	47.31	17.18	Pass	Pass
6000007	Plot 13.10 Single Bedroom 1F	113	43.84	14.83	Pass	Pass
1000019	Plot 13.15 Double Bedroom 2F	203	72.22	31.94	Pass	Pass
0100001A	Plot 13.15 Corridor 2F	203	72.46	32.19	Pass	Pass
0100001B	Plot 13.15 Single Bedroom 2F	113	48.67	18.77	Pass	Pass
0100001B	Plot 13.15 Single Bedroom 2F	203	71.33	31.06	Pass	Pass
2000015	Plot 13.14 Double Bedroom 2F	293	35.67	10.67	Pass	Pass
0600000F	Plot 13.07 K/D/L-5 bed 0F	113	43.65	17.31	Pass	Pass
0600000F	Plot 13.07 K/D/L-5 bed 0F	113	42.26	17.15	Pass	Pass
6000012	Plot 13.07 Single Bedroom 1F	113	47.55	18.75	Pass	Pass
6000013	Plot 13.07 Single Bedroom 1F	113	47.82	18.9	Pass	Pass
0600001B	Plot 13.08 K/D/L-5 bed 0F	113	42.24	16.13	Pass	Pass
0600001B	Plot 13.08 K/D/L-5 bed 0F	113	42.83	15.98	Pass	Pass
0600001E	Plot 13.08 Single Bedroom 1F	113	48.17	18.67	Pass	Pass
0600001F	Plot 13.08 Single Bedroom 1F	113	48.69	18.75	Pass	Pass
6000027	Plot 13.09 K/D/L-5 bed 0F	113	42.07	14.69	Pass	Pass
6000027	Plot 13.09 K/D/L-5 bed 0F	113	42.89	14.31	Pass	Pass
0600002A	Plot 13.09 Single Bedroom 1F	113	47.92	17.87	Pass	Pass
0600002B	Plot 13.09 Single Bedroom 1F	113	47.85	18.07	Pass	Pass
0600002D	Plot 13.09 Double Bedroom 2F	293	37.7	13.19	Pass	Pass
30000001	Plot 13.37 Corridor 0F	113	0	0	Fail	Fail
30000002	Plot 13.37 K/D/L-3 bed 0F	113	33.22	7.46	Pass	Pass
0X000005	Plot 13.37 Double Bedroom 1F	113	37.84	11.32	Pass	Pass
0X000005	Plot 13.37 Double Bedroom 1F	113	35.78	9.12	Pass	Pass
0X00000C	Plot 13.37 Double Bedroom 2F	113	39.68	11.02	Pass	Pass
0X00000C	Plot 13.37 Double Bedroom 2F	113	43.83	13.78	Pass	Pass
35000001	Plot 13.38 K/D/L-4 bed 0F	113	37.97	10.17	Pass	Pass
35000002	Plot 13.38 Corridor 0F	113	0	0	Fail	Fail
0X000000	Plot 13.38 Double Bedroom 1F	113	41.06	12.14	Pass	Pass
0X000000	Plot 13.38 Double Bedroom 1F	113	41.11	12.01	Pass	Pass
0X000009	Plot 13.38 Double Bedroom 2F	113	45.59	14.51	Pass	Pass
0X000009	Plot 13.38 Double Bedroom 2F	113	44.91	14.58	Pass	Pass
30000004	Plot 13.42 Corridor 0F	113	0	0	Fail	Fail
30000005	Plot 13.42 K/D/L-3 bed 0F	113	32.27	6.68	Pass	Pass
30000006	Plot 13.43 Living Rm-4 Bed 0F	113	37.5	10.58	Pass	Pass
30000006	Plot 13.43 Living Rm-4 Bed 0F	113	35.25	10.42	Pass	Pass
30000006	Plot 13.43 Living Rm-4 Bed 0F	113	36.49	9.82	Pass	Pass

30000009	Plot 13.43 Corrido 0F	203	0	0	Fail	Fail
3000000B	Plot 13.41 Corridor 0F	113	0	0	Fail	Fail
3000000C	Plot 13.41 K/D/L-3 bed 0F	113	33.96	8.33	Pass	Pass
3000000E	Plot 13.40 Corridor 0F	113	0	0	Fail	Fail
3000000F	Plot 13.40 K/D/L-3 bed 0F	113	36.87	9.51	Pass	Pass
30000011	Plot 13.39 Corridor 0F	113	0	0	Fail	Fail
30000012	Plot 13.39 K/D/L-3 bed 0F	113	38.51	10.76	Pass	Pass
0X00000F	Plot 13.43 Double Bedroom 1F	203	59.03	18.75	Pass	Pass
0X00000F	Plot 13.43 Double Bedroom 1F	293	31.57	9.2	Pass	Pass
0X00000F	Plot 13.43 Double Bedroom 1F	293	31.24	9.72	Pass	Pass
0X00000F	Plot 13.43 Double Bedroom 1F	293	31.22	9.69	Pass	Pass
0X000012	Plot 13.43 Corridor 1F	203	56.81	17	Pass	Pass
0X000013	Plot 13.43 Single Bedroom 1F	203	55.1	15.51	Pass	Pass
0X000013	Plot 13.43 Single Bedroom 1F	113	38.77	10.86	Pass	Pass
0X000014	Plot 13.41 Double Bedroom 1F	113	35	8.07	Pass	Pass
0X000014	Plot 13.41 Double Bedroom 1F	113	37.2	9.33	Pass	Pass
0X000018	Plot 13.42 Double Bedroom 1F	113	31.39	5.18	Pass	Pass
0X000018	Plot 13.42 Double Bedroom 1F	113	35.17	8.09	Pass	Pass
0X00001C	Plot 13.40 Double Bedroom 1F	113	38.78	10.31	Pass	Pass
0X00001C	Plot 13.40 Double Bedroom 1F	113	38.63	10.16	Pass	Pass
0X000020	Plot 13.39 Double Bedroom 1F	113	40.3	11.82	Pass	Pass
0X000020	Plot 13.39 Double Bedroom 1F	113	40.78	11.82	Pass	Pass
0X000024	Plot 13.43 Double Bedroom 2F	203	63.77	23.49	Pass	Pass
0X000024	Plot 13.43 Double Bedroom 2F	293	33.59	11.26	Pass	Pass
0X000025	Plot 13.43 Corridor 2F	203	61.64	21.36	Pass	Pass
0X000027	Plot 13.43 Single Bedroom 2F	203	59.46	19.59	Pass	Pass
0X000027	Plot 13.43 Single Bedroom 2F	113	41.3	11.67	Pass	Pass
0X000028	Plot 13.42 Double Bedroom 2F	113	39.2	10.58	Pass	Pass
0X000028	Plot 13.42 Double Bedroom 2F	113	35.5	8.02	Pass	Pass
0X00002B	Plot 13.41 Double Bedroom 2F	113	42.61	12.21	Pass	Pass
0X00002B	Plot 13.41 Double Bedroom 2F	113	42.15	11.8	Pass	Pass
0X00002E	Plot 13.40 Double Bedroom 2F	113	43.79	13.68	Pass	Pass
0X00002E	Plot 13.40 Double Bedroom 2F	113	43.2	12.95	Pass	Pass
0X000031	Plot 13.39 Double Bedroom 2F	113	44.74	14.91	Pass	Pass
0X000031	Plot 13.39 Double Bedroom 2F	113	44.47	14.53	Pass	Pass
2000020	Plot 16.02 K/D/L-5 bed 0F	113	39.03	15.68	Pass	Pass
2000020	Plot 16.02 K/D/L-5 bed 0F	113	36.1	14.97	Pass	Pass
2000023	Plot 16.02 Single Bedroom 1F	113	46.2	17.68	Pass	Pass
2000024	Plot 16.02 Single Bedroom 1F	113	43.66	16.46	Pass	Pass
0400000C	Plot 16.03 K/D/L-3 bed 0F	113	40.51	18.86	Pass	Pass
0400000C	Plot 16.03 K/D/L-3 bed 0F	113	41.76	19.05	Pass	Pass
0500000C	Plot 16.04 K/D/L-3 bed 0F	113	46.64	20.91	Pass	Pass

0500000C	Plot 16.04 K/D/L-3 bed 0F	113	44.08	20.43	Pass	Pass
0400000E	Plot 16.03 Single Bedroom 1F	113	46.44	19.57	Pass	Pass
0400000E	Plot 16.03 Single Bedroom 1F	113	46.85	19.44	Pass	Pass
0500000E	Plot 16.04 Single Bedroom 1F	113	48.26	20.89	Pass	Pass
0500000E	Plot 16.04 Single Bedroom 1F	113	48.97	21.53	Pass	Pass
0200002D	Plot 16.05 K/D/L-5 bed 0F	113	47.48	21.12	Pass	Pass
0200002D	Plot 16.05 K/D/L-5 bed 0F	113	47.37	21.21	Pass	Pass
0200002E	Plot 16.05 Double Bedroom 1F	293	36.11	13.19	Pass	Pass
2000030	Plot 16.05 Single Bedroom 1F	113	50.09	21.53	Pass	Pass
2000031	Plot 16.05 Single Bedroom 1F	113	50.34	22	Pass	Pass
0200003A	Plot 16.06 K/D/L-5 bed 0F	113	47.85	21.59	Pass	Pass
0200003A	Plot 16.06 K/D/L-5 bed 0F	113	45.67	20.1	Pass	Pass
0200003D	Plot 16.06 Single Bedroom 1F	113	51.26	22.5	Pass	Pass
0200003E	Plot 16.06 Single Bedroom 1F	113	48.02	20.18	Pass	Pass
4000016	Plot 16.07 K/D/L-3 bed 0F	113	51.09	23.56	Pass	Pass
4000016	Plot 16.07 K/D/L-3 bed 0F	113	51.21	23.61	Pass	Pass
5000016	Plot 16.09 K/D/L-3 bed 0F	113	52.17	24.31	Pass	Pass
5000016	Plot 16.09 K/D/L-3 bed 0F	113	52.11	24.26	Pass	Pass
4000018	Plot 16.07 Single Bedroom 1F	113	53.25	23.61	Pass	Pass
4000018	Plot 16.07 Single Bedroom 1F	113	52.97	23.61	Pass	Pass
5000018	Plot 16.09 Single Bedroom 1F	113	54.21	24.25	Pass	Pass
5000018	Plot 16.09 Single Bedroom 1F	113	54.49	24.31	Pass	Pass
2000047	Plot 16.09 K/D/L-5 bed 0F	113	52.52	24.31	Pass	Pass
2000047	Plot 16.09 K/D/L-5 bed 0F	113	52.73	24.31	Pass	Pass
0200004A	Plot 16.09 Single Bedroom 1F	113	54.72	24.31	Pass	Pass
0200004B	Plot 16.09 Single Bedroom 1F	113	54.45	24.31	Pass	Pass
35000003	Plot 16.18 K/D/L-4 bed 0F	113	32.36	17.77	Pass	Pass
35000004	Plot 16.18 Corridor 0F	113	0	0	Fail	Fail
0X000034	Plot 16.18 Double Bedroom 1F	113	32.72	17.77	Pass	Pass
0X000034	Plot 16.18 Double Bedroom 1F	113	33.98	19.44	Pass	Pass
0X000039	Plot 16.18 Double Bedroom 2F	113	35.66	17.77	Pass	Pass
0X000039	Plot 16.18 Double Bedroom 2F	113	35.94	19.44	Pass	Pass
30000014	Plot 16.17 Corridor 0F	113	0	0	Fail	Fail
30000015	Plot 16.17 K/D/L-3 bed 0F	113	16.54	7.49	Fail	Pass
0X00003C	Plot 16.17 Double Bedroom 1F	113	26.37	11.58	Pass	Pass
0X00003C	Plot 16.17 Double Bedroom 1F	113	18.72	8.01	Fail	Pass
0X000040	Plot 16.17 Double Bedroom 2F	113	22.85	8.01	Fail	Pass
0X000040	Plot 16.17 Double Bedroom 2F	113	32.36	11.71	Pass	Pass
30000017	Plot 16.16 Corridor 0F	113	0	0	Fail	Fail
30000018	Plot 16.16 K/D/L-3 bed 0F	113	27.74	11.45	Pass	Pass
0X000043	Plot 16.16 Double Bedroom 1F	113	29.7	12.5	Pass	Pass
0X000043	Plot 16.16 Double Bedroom 1F	113	30.35	11.38	Pass	Pass

0X000047	Plot 16.16 Double Bedroom 2F	113	34.84	12.17	Pass	Pass
0X000047	Plot 16.16 Double Bedroom 2F	113	34.71	12.81	Pass	Pass
35000005	Plot 16.19 K/D/L-4 bed 0F	113	37.99	22.21	Pass	Pass
35000006	Plot 16.19 Corridor 0F	113	0	0	Fail	Fail
0X00004A	Plot 16.19 Double Bedroom 1F	113	37.99	22.21	Pass	Pass
0X00004A	Plot 16.19 Double Bedroom 1F	113	35.44	20.51	Pass	Pass
0X00004F	Plot 16.19 Double Bedroom 2F	113	39.91	22.21	Pass	Pass
0X00004F	Plot 16.19 Double Bedroom 2F	113	37.35	20.51	Pass	Pass
3000001A	Plot 16.20 Corridor 0F	113	0	0	Fail	Fail
3000001B	Plot 16.20 K/D/L-3 bed 0F	113	35.26	19.98	Pass	Pass
0X000052	Plot 16.20 Double Bedroom 1F	113	31.27	16.52	Pass	Pass
0X000052	Plot 16.20 Double Bedroom 1F	113	35.44	19.85	Pass	Pass
0X000056	Plot 16.20 Double Bedroom 2F	113	37.58	19.85	Pass	Pass
0X000056	Plot 16.20 Double Bedroom 2F	113	31.26	16.51	Pass	Pass
3000001E	Plot 16.01 Living Rm-4 Bed 0F	113	42	14.04	Pass	Pass
0X000062	Plot 16.01 Double Bedroom 1F	113	46.53	16.6	Pass	Pass
0X00005D	Plot 16.01 Single Bedroom 2F	113	52.83	20.63	Pass	Pass
0X00005E	Plot 16.01 Double Bedroom 2F	293	36.11	13.19	Pass	Pass
3000001F	Plot 16.15 Kitchen-4 Bed 0F	113	31.49	11.11	Pass	Pass
3000001F	Plot 16.15 Kitchen-4 Bed 0F	113	31.33	11.94	Pass	Pass
0X000066	Plot 16.15 Single Bedroom 1F	113	32.88	11.94	Pass	Pass
0X00006A	Plot 16.15 Double Bedroom 2F	113	36.71	12.91	Pass	Pass
30000023	Plot 16.21 Kitchen-4 Bed 0F	113	44.44	24.31	Pass	Pass
30000023	Plot 16.21 Kitchen-4 Bed 0F	113	43.49	24.05	Pass	Pass
30000023	Plot 16.21 Kitchen-4 Bed 0F	203	77.38	36.81	Pass	Pass
30000025	Plot 16.21 Corridor	203	0	0	Fail	Fail
30000026	Plot 16.21 Living Rm-4 Bed 0F	293	35.56	13.19	Pass	Pass
30000026	Plot 16.21 Living Rm-4 Bed 0F	203	77.08	36.11	Pass	Pass
0X00006C	Plot 16.21 Double Bedroom 1F	203	77.78	36.81	Pass	Pass
0X00006D	Plot 16.21 Corridor 1F	203	77.78	36.81	Pass	Pass
0X00006F	Plot 16.21 Single Bedroom 1F	113	43.49	24.05	Pass	Pass
0X00006F	Plot 16.21 Single Bedroom 1F	203	77.78	36.81	Pass	Pass
0X000071	Plot 16.21 Single Bedroom 2F	203	78.02	36.81	Pass	Pass
0X000071	Plot 16.21 Single Bedroom 2F	293	36.52	13.19	Pass	Pass
0X000072	Plot 16.21 Corridor 2F	203	78.05	36.81	Pass	Pass
0X000073	Plot 16.21 Double Bedroom 2F	113	43.76	24.05	Pass	Pass
0X000073	Plot 16.21 Double Bedroom 2F	203	78.1	36.81	Pass	Pass
16000000	Plot 13.26 Kitchen-2 bed 0F	203	59.88	19.6	Pass	Pass
16000003	Plot 13.26 Corridor 0F	203	0	0	Fail	Fail
16000004	Plot 13.27 Kitchen-2 bed 0F	203	58.14	17.86	Pass	Pass
17000001	Plot 13.27 Corridor 0F	203	0	0	Fail	Fail
0X000075	Plot 13.28 Kitchen-2 bed 0F	203	56.54	16.95	Pass	Pass



18000002	Plot 13.28 Corridor 0F	203	0	0	Fail	Fail
OX000076	Plot 13.29 Kitchen-2 bed 0F	203	55.31	15.73	Pass	Pass
19000002	Plot 13.29 Corridor 0F	203	0	0	Fail	Fail
OX000078	Plot 13.23 K/D/L-2 bed 0F	203	45.11	10.55	Pass	Pass
OX000078	Plot 13.23 K/D/L-2 bed 0F	203	45.13	11.31	Pass	Pass
OX00007C	Plot 13.24 K/D/L-2 bed 0F	203	46.96	10.86	Pass	Pass
OX00007C	Plot 13.24 K/D/L-2 bed 0F	203	45.31	9.79	Pass	Pass
OX000080	Plot 13.25 K/D/L-2 bed 0F	203	46.41	9.74	Pass	Pass
OX000080	Plot 13.25 K/D/L-2 bed 0F	203	46.43	9.6	Pass	Pass
16000005	Plot 13.26 Double Bedroom 1F	203	67.38	26.41	Pass	Pass
16000006	Plot 13.26 Single Bedroom 1F	203	65.65	24.68	Pass	Pass
17000002	Plot 13.27 Double Bedroom 1F	203	64.56	23.59	Pass	Pass
17000003	Plot 13.27 Single Bedroom 1F	203	64.43	23.52	Pass	Pass
18000003	Plot 13.28 Double Bedroom 1F	203	64.02	23.26	Pass	Pass
18000004	Plot 13.28 Single Bedroom 1F	203	63.66	23.21	Pass	Pass
OX000083	Plot 13.29 Double Bedroom 1F	203	61.69	21.47	Pass	Pass
19000003	Plot 13.29 Single Bedroom 1F	203	62.12	21.85	Pass	Pass
OX000088	Plot 13.23 Double Bedroom 1F	203	56.65	19.91	Pass	Pass
OX000088	Plot 13.23 Double Bedroom 1F	203	58.71	21.4	Pass	Pass
OX00008C	Plot 13.24 Double Bedroom 1F	203	55.38	17.01	Pass	Pass
OX00008C	Plot 13.24 Double Bedroom 1F	203	57.74	19.08	Pass	Pass
OX000090	Plot 13.25 Double Bedroom 1F	203	55.68	16.52	Pass	Pass
OX000090	Plot 13.25 Double Bedroom 1F	203	56.85	17.96	Pass	Pass
1600000A	Plot 13.26 Double Bedroom 2F	203	70.14	29.17	Pass	Pass
1600000A	Plot 13.26 Double Bedroom 2F	203	70.83	29.86	Pass	Pass
17000007	Plot 13.27 Double Bedroom 2F	203	69.28	28.31	Pass	Pass
17000007	Plot 13.27 Double Bedroom 2F	203	69.84	28.87	Pass	Pass
18000008	Plot 13.28 Double Bedroom 2F	203	67.27	26.29	Pass	Pass
18000008	Plot 13.28 Double Bedroom 2F	203	68.15	27.17	Pass	Pass
19000006	Plot 13.29 Double Bedroom 2F	203	66.82	25.92	Pass	Pass
19000006	Plot 13.29 Double Bedroom 2F	203	66.82	25.84	Pass	Pass