



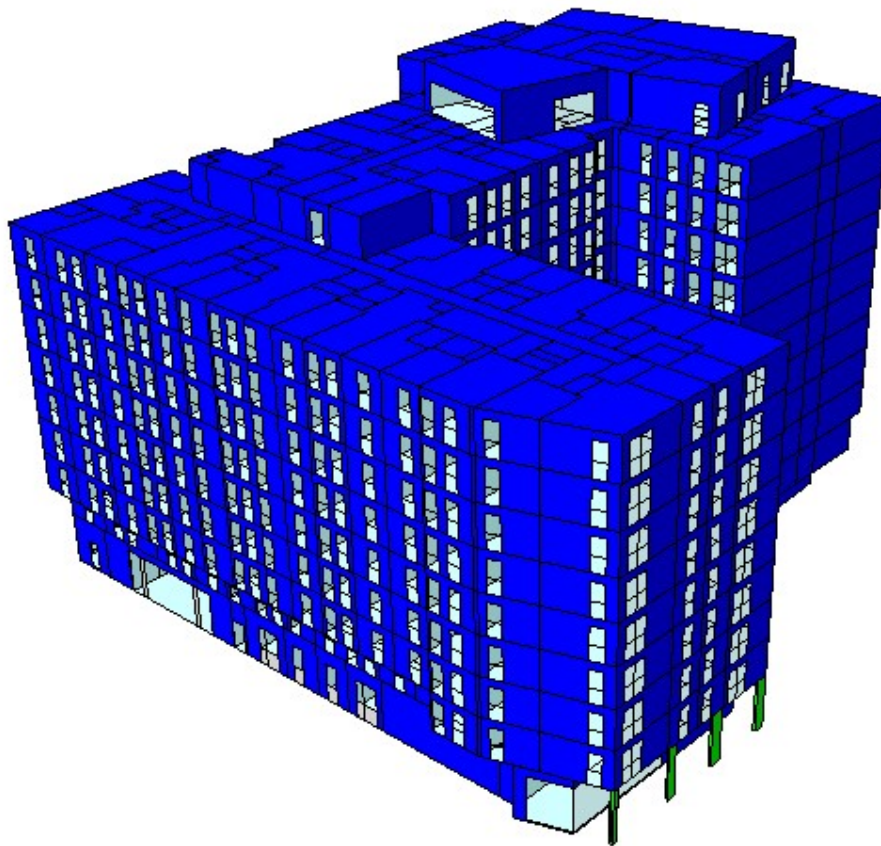
DESIGN ENGINEER SUSTAIN

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Tariff St - Block 1, Manchester

Summertime Internal Environment

CIBSE TM59 and Guide O Overheating analysis



QA

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Executive Summary

The Tariff St- Block 1 development was assessed against the requirements of CIBSE TM59 and in line with the Building Regulations approved document O 2021 for overheating compliance.

- Windows are simulated as openable inwards to **90 deg** (Side Hung)
- Glazing G Values are simulated as 0.4 (NE & NW facades) 0.35 (SE & SW facades)

On NW & SW facades (see **green** in below image), Windows and glazed doors are set to open between the hours of 08:00 and 23:00 only. This in-line with acoustic recommendations within acoustic report PR0680-REP01B-Mpf- 1NQ - Tariff St, Mcr-Environmental Noise Study by Fisher Acoustics (Dated Nov 2022)



Figure 8: Acoustic specification location plan, Level 02 to Level 08 – Living Rooms & Bedrooms

See report sections for further details/diagrams for other floors.

On the Ground Floor Level, windows are kept shut during the night time hours of 23:00 to 08:00 for security purposes inline with Guide O.

On All other facades (except on Ground Floor Level) Windows and doors can be openable all hours. Between 08:00 to 23:00 windows start to open > 22 degC and are fully open at 26degC (inline with Guide O). 23:00 to 08:00 Windows open if temperatures exceed 23degC.

The following measures are required to mitigate overheating:-

Trickle Rates of 13 l/s (Living/Kitchen), 8 l/s (general bedrooms)

Applies to levels 02-09

additional 3 1/2 beds needed to this bedroom for TM59 compliance

To be available for extended periods such as during the night time.



1.0 Introduction

A thermal model exercise has been undertaken to predict the internal temperatures over a typical year for the proposed residential development known as Tariff St – Block 1, Manchester

The development is a multi-storey block of residential accommodation, consisting of a number of 1, 2 and 3 bed apartments. There are some staff areas and a retail/commercial outlet situated on the ground floor. On the top floor there are some communal resident areas. None of the none residential zones are included within this report, with the exception of communal corridor zones.

All floors and apartments within block have been modelled.

The Block has been assessed acoustically by others and it is determined that windows will not be able to open for overheating mitigation during the night-time period in apartments on the West and Northern facades as detailed in section 3.4.2.

Assessing overheating risk in residential developments is a complex issue and not adequately assessed by building regulations. Indeed, it would be wrong to assume that a home that complies with building regulations also gives sufficient assurance of avoidance of overheating. Hence, the CIBSE TM59 recommendation that comfort conditions are separately assessed if it is felt that there could be a risk.

This assessment aims to identify whether the proposals meet the requirements of CIBSE TM59 in-line with the Building Regulations approved document O 2021 for overheating compliance.

The basis of the assessment is generally for Bedrooms and Living/Kitchen areas, however the communal circulation areas have also been included in this Assessment, following the TM59 approach.



2.0 Assessment Methodology and Criteria

Guide O Building regulations England 2021

The aim of requirement O1 is to protect the health and welfare of occupants of the building by reducing the occurrence of high indoor temperatures.

In the Secretary of State's view, requirement O1 is met by designing and constructing the building to achieve both of the following:-

- Limiting unwanted solar gains in summer.
- Providing an adequate means of removing excess heat from the indoor environment.

The guidance and regulations are written for the purposes of protecting health and welfare. Following this guidance does not guarantee the comfort of building occupants.

In the Secretary of State's view, compliance with requirement O1 can be demonstrated by using one of the following methods.

- a. The simplified method for limiting solar gains and providing a means of removing excess heat.
- b. The dynamic thermal modelling method, inline with the TM59 methodology, but incorporating additional elements from the guide O 2021.

These additional elements include a specific window opening formula as detailed in section 3.0 of this report, no blinds to be incorporated, any GF or easily accessible rooms to have daytime ventilation only via window/door openings.

This project will use the dynamic thermal modelling method of compliance.

TM59 Methodology

The TM59 methodology is a standardised approach to predicting overheating risk for residential building designs using dynamic thermal analysis. The aim is to produce a test that encourages good design that is comfortable within sensible limits, without being so stringent that it over promotes the use of mechanical cooling.

CIBSE TM59 also sets out profiles that represent reasonable usage patterns for a home suitable for evaluating overheating risk. The profiles are developed to test a design and do not cover all usage modes

The Methodology is intended for use by designers in order to influence building design for the better. It could be used at planning stage to assess risk, as well as at later design stages.

This methodology will:

- Allow different designs to be compared based on reasonable assumptions.
- Support design decisions that improve comfort without cooling
- Provide consistency across the industry for overheating risk prediction

This methodology will not:

- Guarantee that people will always be comfortable in compliant spaces, however they act
- Take into account unusual use

The Basis of the design comfort criteria for CIBSE TM59 is:

- CIBSE TM52: Limits of thermal comfort: avoiding overheating (2013) – Provides the principles of thermal comfort
- CIBSE Guide A: Environmental design (2015a) – Includes advice regarding sleep quality

The methodology is prescriptive so as to be consistently applied. It uses thermal modelling tools, defined internal gains profiles and specific weather files with a clearly defined thresholds to provide a clear pass/ fail result.

It is vital that the mitigation options selected as a result of the assessment are fully incorporated into the design or the assessment will have no value.

TM 59 Criteria - Homes

CIBSE TM59 sets out two different overheating criteria for different design strategies. The two strategies are:

- Buildings that are predominantly naturally ventilated
- Buildings that are predominantly mechanically ventilated

This analysis will consider the building with the windows open. As such, the assessment will consider the building as being predominantly naturally ventilated.

For homes that are predominantly naturally ventilated, two criteria apply. These are:

1. Living Rooms, Kitchens and Bedrooms – Hours of exceedance

The number of hours during which ΔT is greater than or equal to one degree ($^{\circ}K$) during the period May to September inclusive shall not be more than 3% of occupied hours. ΔT is defined as operative temperature less the maximum acceptable temperature. ΔT is rounded to the nearest whole degree (CIBSE TM52, criteria 1).

This has been determined as being 110.2 hours a year or less for Bedrooms and 59.6=7 hours or less for Living/Kitchen areas.

2. Bedrooms Only – Sleeping Conditions

During the sleeping hours the operative temperature in the bedroom from 10pm to 7am shall not exceed 26°C for more than 1% of annual hours.

This has been determined as being 32 hours a year.

The TM59 criteria set out above provides a basis for assessing the risk of perceived overheating. The criteria above and results contained within this report are estimates of the temperatures that may be experienced in a typical year based on the CIBSE DSY1 (Design Summer Year), weather file for the 2020's, high emissions, 50% percentile scenarios.

Futureserv have created a banding category for risk of overheating, which helps to illustrate more clearly which rooms might be at a higher risk of overheating, despite potentially complying with the TM59 criteria. The banding values can be seen below.

COLOUR KEY	LOW RISK	MED RISK	HIGH RISK	OVERHEATING
Living Areas Criterion A	<47 hrs	47-52 hrs	53-59.7 hrs	>59.7 hrs
Bedroom Areas Criterion A	<88 hrs	88-98 hrs	99-110.2 hrs	>110.2 hrs
Bedroom Areas Criterion B	<25 hrs	25-27 hrs	28-32 hrs	>32 hrs

Communal Corridors

Whilst there is no mandatory target to meet for communal corridors, if an operative temperature of 28 °C is exceeded for more than 3% of the total annual hours, then this should be identified as a significant risk.

3.0 Model Settings

3.1 Software

The model was created using IES VE 2023 software. The 'Suncast' solar shading software has been used to model the sun path and solar shading effect for the proposed building. 'Macroflo' software has been used to simulate the natural ventilation openings using a selection of appropriate control profiles.

3.2 Drawings

The model is based on the drawings by Leach Rhodes Walker Architects:-

8198-LRW-B1-00-DR-A-20-101_P12_Ground Floor Plan.pdf
8198-LRW-B1-01-DR-A-20-102_P09_First Floor Plan.pdf
8198-LRW-B1-02-DR-A-20-103_P09_Second Floor Plan.pdf
8198-LRW-B1-03-DR-A-20-104_P09_Third Floor Plan.pdf
8198-LRW-B1-04-DR-A-20-105_P09_Fourth Floor Plan.pdf
8198-LRW-B1-05-DR-A-20-106_P09_Fifth Floor Plan.pdf
8198-LRW-B1-06-DR-A-20-107_P09_Sixth Floor Plan.pdf
8198-LRW-B1-07-DR-A-20-108_P09_Seventh Floor Plan.pdf
8198-LRW-B1-08-DR-A-20-109_P08_Eigth Floor Plan.pdf
8198-LRW-B1-09-DR-A-20-110_P09_Ninth Floor Plan.pdf
8198-LRW-B1-10-DR-A-20-111_P08_Tenth Floor Plan.pdf
8198-LRW-B1-B1-DR-A-20-100_P10_Basement Floor Plan.pdf
8198-LRW-B1-RF-DR-A-20-112_P07_Roof Plan.pdf
8198-LRW-B1-ZZ-DR-A-20-200_P04_Elevation A.pdf
8198-LRW-B1-ZZ-DR-A-20-201_P05_Elevation B.pdf
8198-LRW-B1-ZZ-DR-A-20-202_P05_Elevation C.pdf
8198-LRW-B1-ZZ-DR-A-20-203_P05_Elevation D.pdf
8198-LRW-B1-ZZ-DR-A-20-204_P04_Elevation E.pdf
8198-LRW-B1-ZZ-DR-A-20-205_P05_Elevation F.pdf
8198-LRW-B1-ZZ-DR-A-20-206_P04_Elevation G.pdf

3.3 Weather file and weather file characteristics

The Manchester DSY1 2020High50 (Design Summer Year) weather file was used as directed by TM59 methodology, as it is the closest DSY weather file to the site.

3.4 Ventilation

3.4.1 Natural ventilation

In the residential areas, all the Living/Kitchen and Bedrooms have access to natural ventilation via openable windows or glazed doors.

Measurements for window openings and free areas, where available have been taken from the window type drawings and/or elevations and are based on the assumed openable area of the window (Side Hung), as opened to an angle of 90 degrees.

Any reduction in the window free areas may affect compliance with the overheating criteria.

Purge ventilation is to be provided via openable windows and or glazed doors. The Architect is responsible for ensuring that the window opening areas are sufficiently sized to achieve the building regulations Part F requirements for purge ventilation.

An infiltration rate of 0.12 ach/hr has been applied to all areas.
Target Air permeability is 3m3/m2@50Pa.

3.4.2 Windows and Openings

Window opening is manual. Inline with Guide O, Windows have been set to begin to open when the internal temperature exceeds 22°C. The Windows will be fully open when the internal temperature reaches 26°C.

On Northern and Western facades, Windows and glazed doors are set to open between the hours of 08:00 and 23:00 only. This in-line with acoustic recommendations within acoustic report. PR0680-REP01B-Mpf- 1NQ - Tariff St, Mcr-Environmental Noise Study by Fisher Acoustics (Dated Nov 2022)

In the below image as taken from the acoustic spec
Green = acoustically at risk = Windows shut at night



Figure 6: Acoustic specification location plan, Ground Floor – Living Rooms & Bedrooms



Figure 8: Acoustic specification location plan, Level 02 to Level 08 – Living Rooms & Bedrooms



Figure 9: Acoustic specification location plan, Level 09 – Living Rooms & Bedrooms

On the Ground Floor Level windows are kept shut during the night time hours of 23:00 to 08:00 for security purposes inline with Guide O.

On All other facades (except on Ground Floor Level) Windows and doors can be openable all hours. Between 08:00 to 23:00 windows start to open > 22 degC and are fully open at 26degC (inline with Guide O). After 23:00 Windows open only if temperatures exceed 23degC.

The glazed doors have been modelled as openable for ventilation purposes, using the same opening profile as the windows.

For all openable windows, the estimated openable areas have been measured from elevations, taking into consideration the frame areas seen.

3.4.3 Window Free areas tabulated for various window types

There are a number of window types and glazed doors in the building. The various types simulated are tabulated below:-

Window Type Ref	Description	Window width (m) (Excluding Fixed Panes) *	Window Height (m) (Excluding Fixed Panes)	% of window area that is openable	Equivalent Orifice area % **	Equivalent Orifice area m2 **	NOTE
WTA & WTC	Side Hung Window Opens to 90 deg	0.910	1.223	80	83.87%	0.931 m2	
WTD	Side Hung Window Opens to 90 deg	0.905	1.223	80	83.87%	0.931 m2	
WTJ Glazed door	Side Hung Glazed Door (SGL)	1.022	2.26	80	83.87%	1.937m2	
WTF Glazed door	Side Hung Glazed Door (SGL)	1.215	2.26	80	83.87%	2.3m2	
WT? - GF Apartments 10 & 11 Living Areas	Side Hung Window Opens to 90 deg	1.22	1.2	80	83.87%	1.23m2	Window opening details and type TBC

* Includes frames.

** Where equivalent orifice area is calculated automatically using:-

4.2.1.2 All Hung Windows / Doors

$$f = \frac{C_v}{C_D} * f_a / 100$$

where:

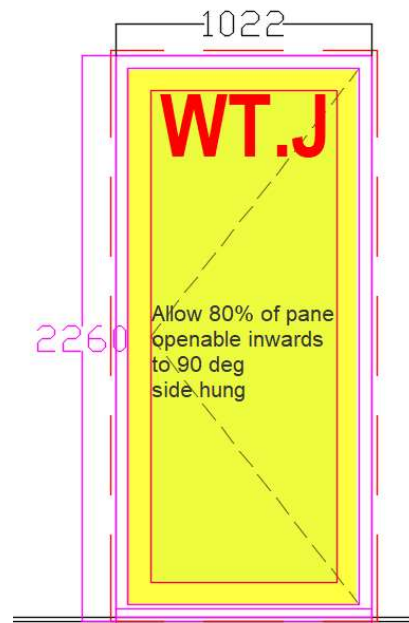
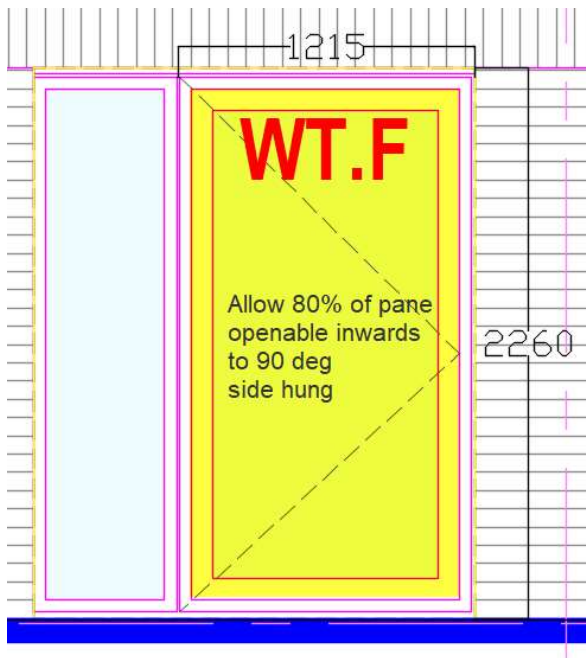
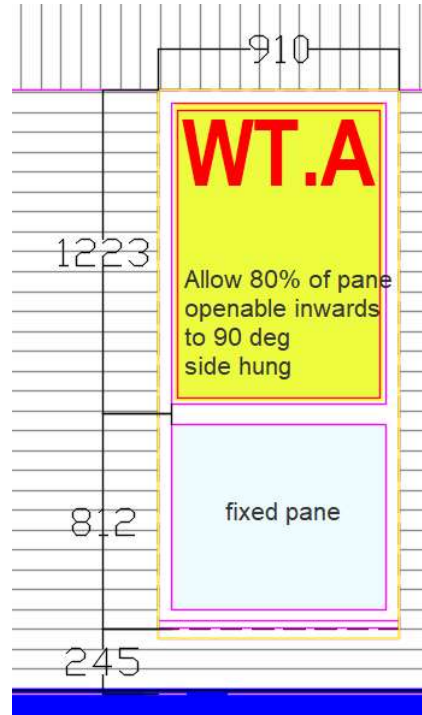
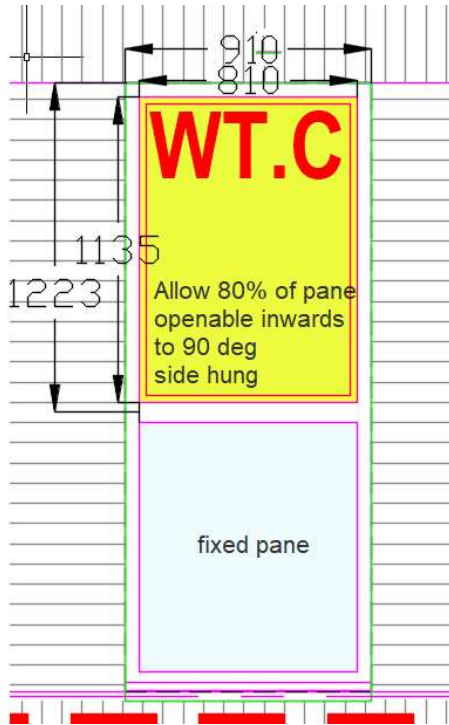
C_D is the discharge coefficient for a sharp edge orifice (0.62)

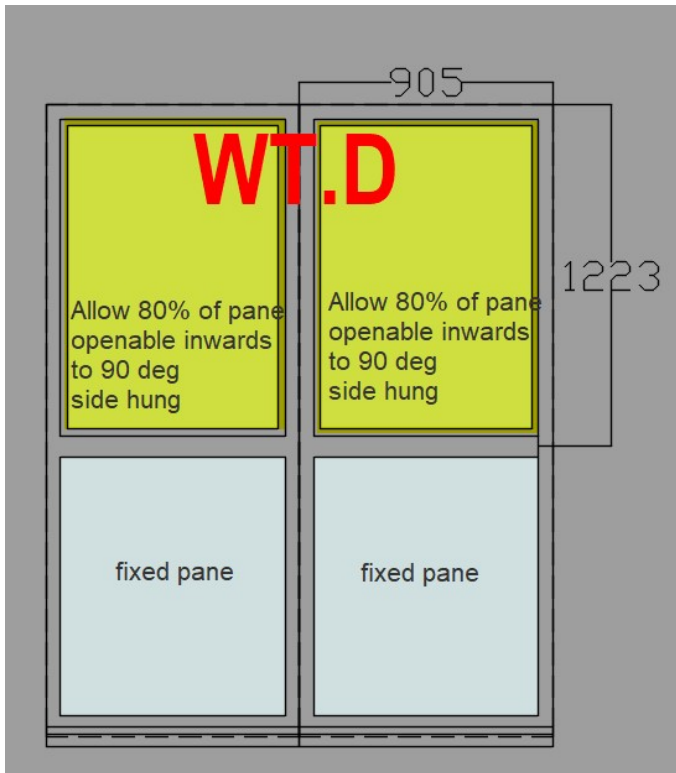
C_v is a discharge coefficient

f_a is the openable area %

Where the discharge coefficient is used based on opening angle, proportions (L/H and hanging type).

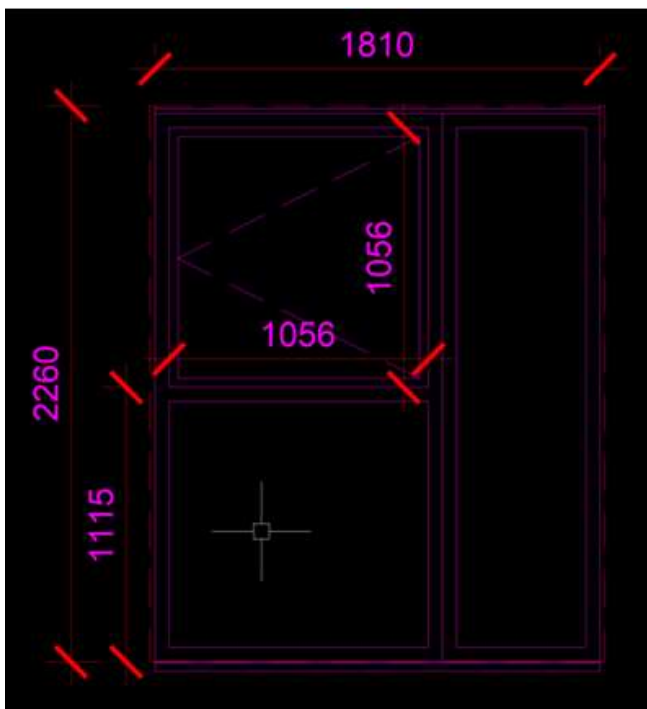
The equivalent area: It is the area of a sharp edged orifice through which air would pass at the same volume flow rate, under an identical applied pressure difference, as the opening under consideration. Typically for windows even when fully open the opening will perform with a higher pressure drop than a sharp edged orifice. For window, door and grille/louvre opening categories in MacroFlo this is given by the aerodynamic area divided by the coefficient of discharge for a sharp edge orifice ($C_D = 0.62$).





GF Apartment 10 and 11 Living Areas window. WT?

Openable pane drawn with overall width 1.2m (incl frame) and height 1.22 (incl frame)



If the free openable areas or the available opening angle of proposed the windows and glazed doors differ from those stated above, please advise the assessor to allow modifications to be made which may affect TM59 overheating compliance.

3.5 Auxiliary ventilation

The apartment areas are ventilated with Mechanical Extract fans. These extract air from the Kitchen/Living areas and bathrooms/ensuites.

Make up air will flow from outside back into the adjoining Living spaces and bedrooms via trickle vents in the windows.

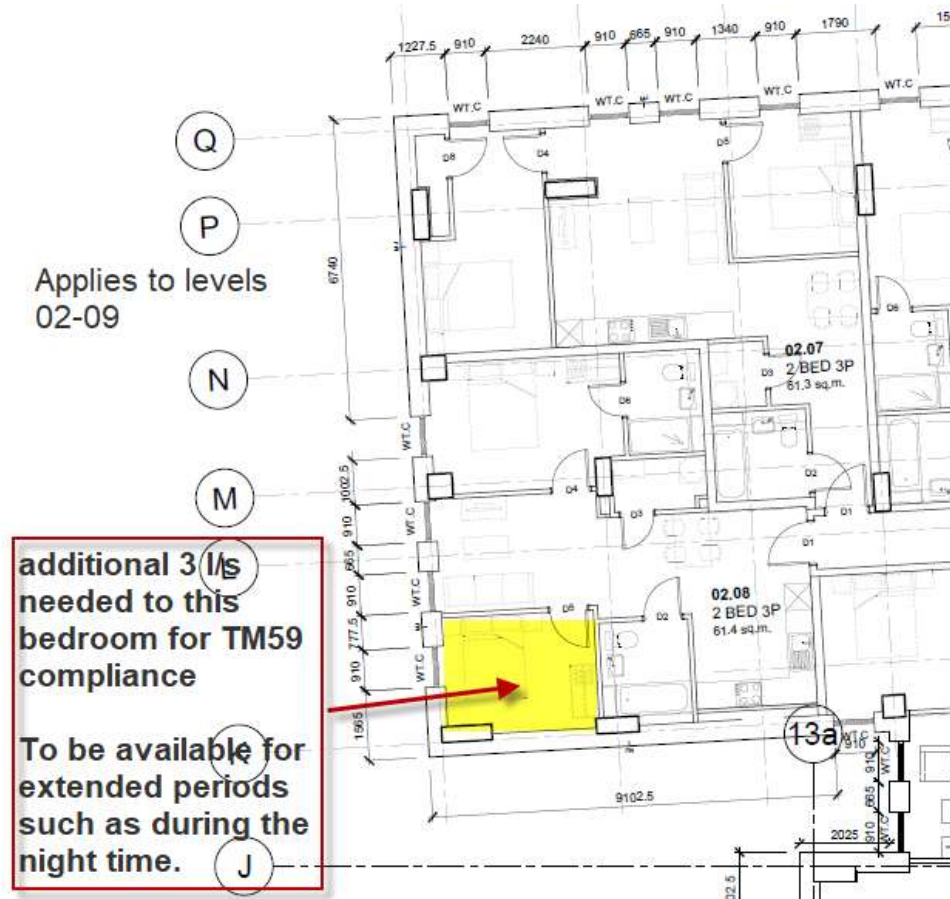
For the purpose of the overheating assessment, the following constant trickle ventilation rates have been applied, with the supply air at external temperature, to simulate a background trickle level of ventilation.

Bedrooms = 8 l/s

Living/Kitchen = 13 l/s

Overheating bedrooms = 11 l/s (See below)

It was found that in apartment 08 in the 2nd bedroom. (Floors 2-8) and the same bedroom in apartment 09 (Floor 09) an increased ventilation rates needs to be made available of 11 l/s. (8 l/s + 3 l/s) This ventilation rate should be available for extended periods such as during the night time. Therefore it could be provided with either a boost function or as a constant rate.



3.6 Internal Gains

TM59

The internal gains and profiles that have been used for the internal temperature analysis model have been taken from CIBSE TM59 and are listed in appendix A.

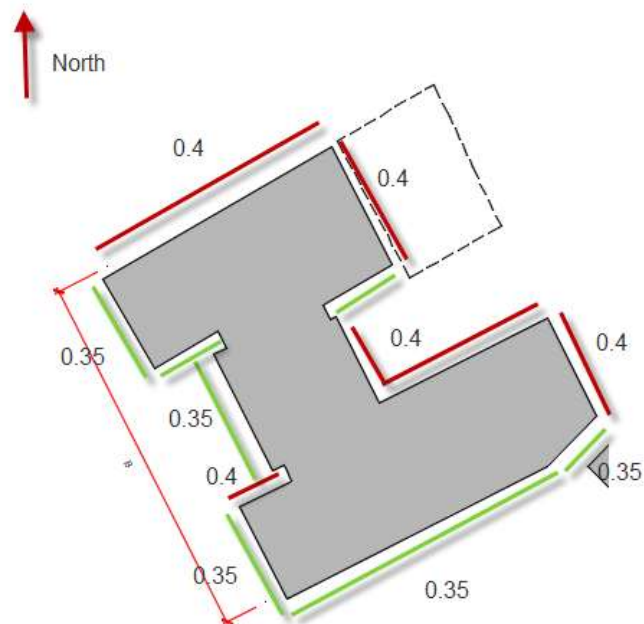
There is also no inclusion of pipe heat losses down the corridors, as there is no community heating distribution, and so no contribution to heat gains in this manner.

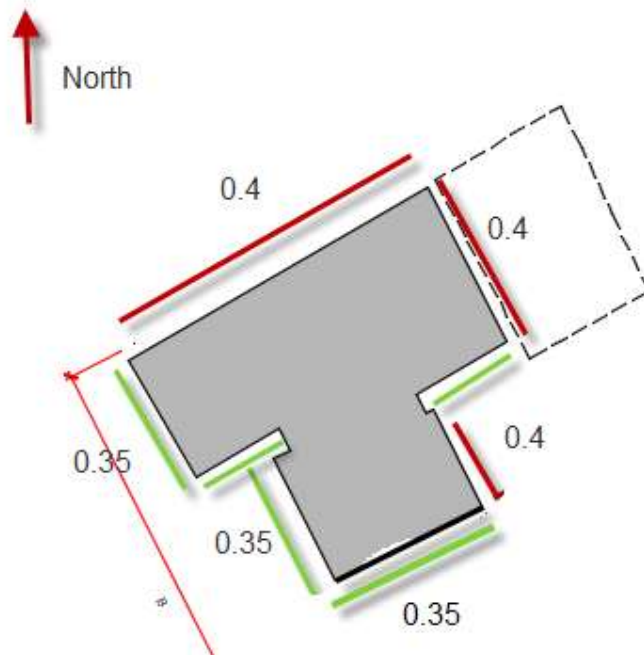
3.7 Building Fabric Specification

The building specification used in the model is as follows:

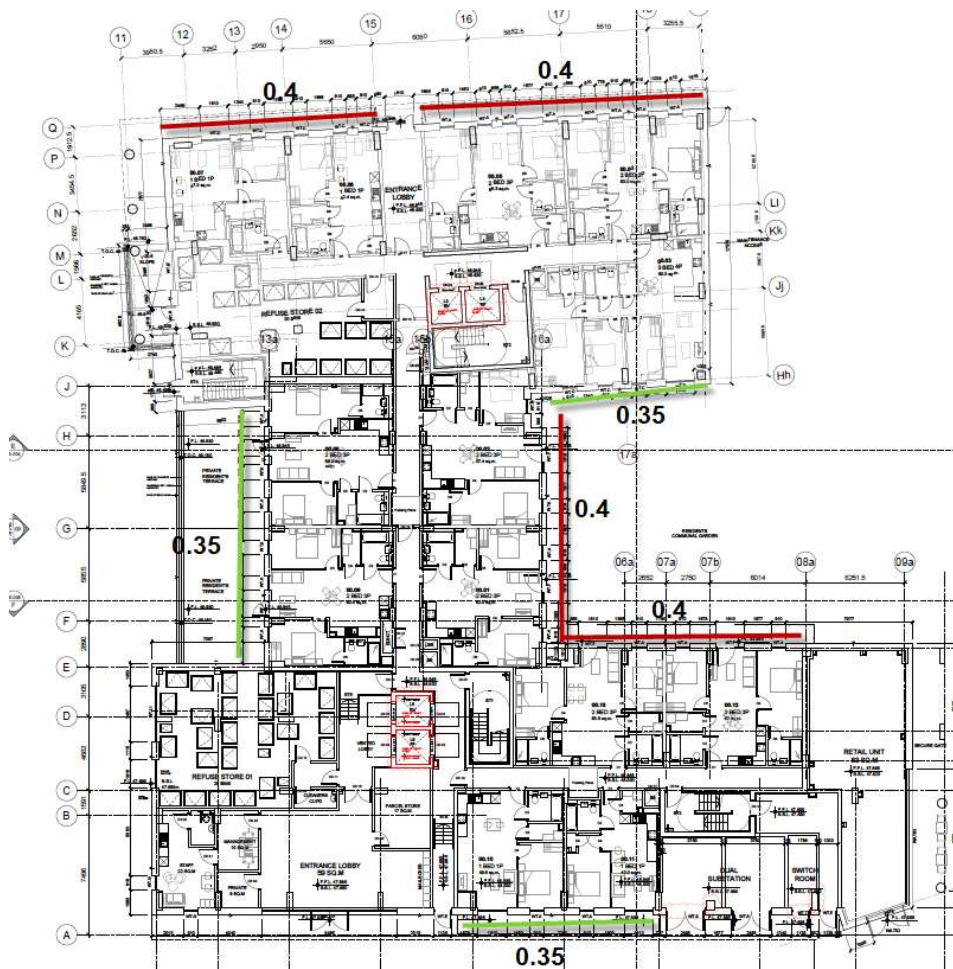
- Exposed Floor $U = 0.11 \text{ W/m}^2\text{K}$
- Insulated soffit between heated/unheated zones (GF) $U = 0.12 \text{ W/m}^2\text{K}$
- External Wall $U = 0.14 \text{ W/m}^2\text{K}$
- Insulated Wall between heated/unheated zones (GF) $U = 0.23 \text{ W/m}^2\text{K}$
- Roof $U = 0.1 \text{ W/m}^2\text{K}$
- Windows (General) $U = 1.0 \text{ W/m}^2\text{K}$ Nett incl Frame
- Windows (Curtain) $U = 1.0 \text{ W/m}^2\text{K}$ Nett incl Frame
- G Value 0.35 (SE and SW Facades)
- G Value 0.4 (NE & NW Facades)

G Values for Residential Areas Only 1F-8F



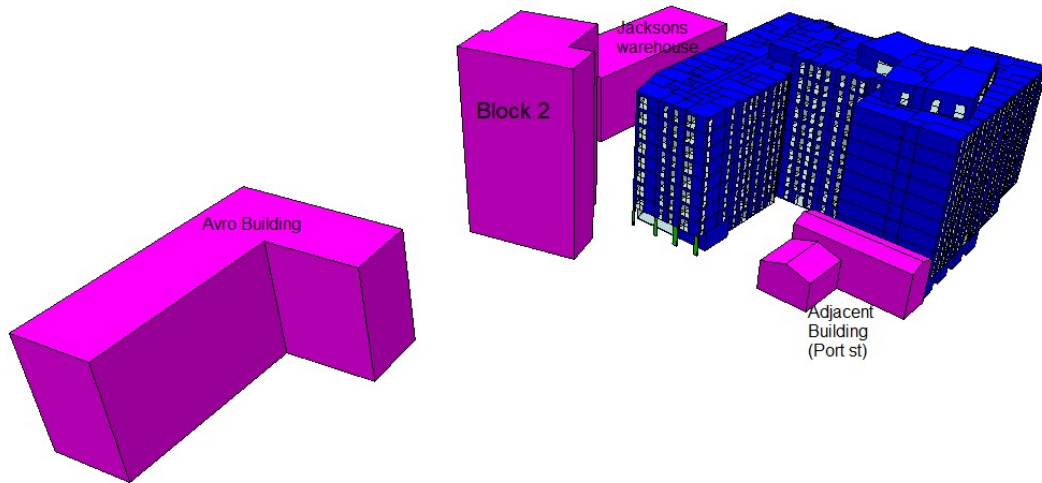


G Values for Residential Areas Only GF



No Blinds have been simulated.

Adjacent Buildings Included for solar shading can be seen below. Their heights were taken from the Daylighting and Solar Report Daylight & Sunlight Impact on neighbouring properties
Tariff Street, Manchester (By Gia Chartered Surveyors, 20 April 2023)



Non residential areas (apart from corridors and stairwells) are not considered within this assessment, and therefore the suitability of the fabric specification of these areas is to be considered within the Part L2 assessment report. Criterion 3 solar gain analysis will then be used to determine appropriate G values for these areas not considered within this report.

4.0 Results

4.1 Summary of TM59 Overheating assessment Results - Simulation 1

- Trickle vent rates at 8l/s (bedrooms), 13 l/s (Living Rooms)
- Windows and Glazed doors openable to 90 deg side Hung
- Windows shut at night (acoustic facades and GF)
- 0.4 G Northerly facades, 0.35 G Southerly Facades

The results from the Initial overheating simulation showed that **8** out of **571** of the assessed bedrooms and Kitchen/Living/Dining Areas didn't comply with the TM59 overheating criteria.

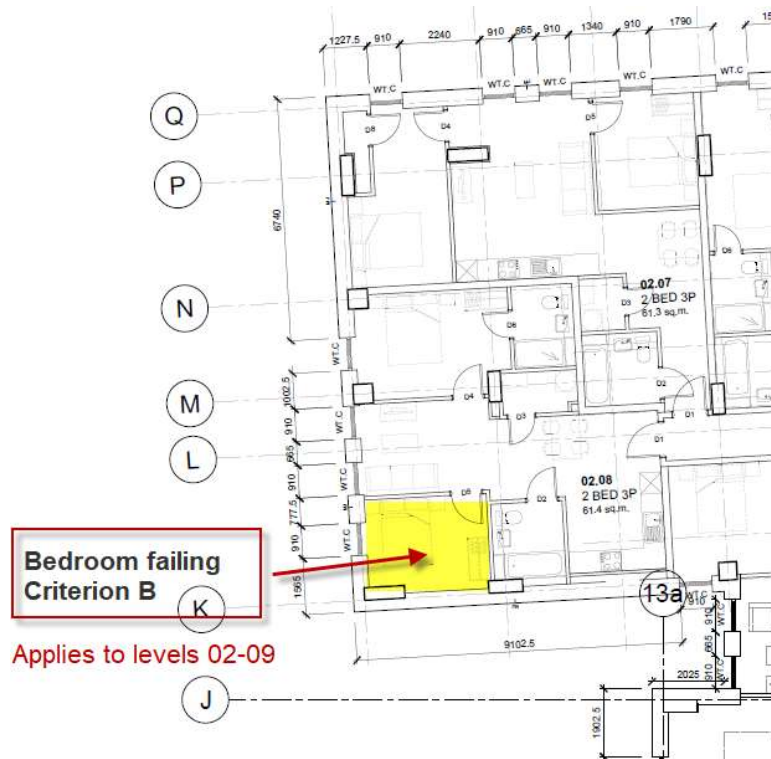
0 of the **200** assessed living/Kitchen areas failed criterion A, whereby the ΔT ($T_{\max}$ - $T_{\text{operative}}$) is $\geq 1K$ for more than 3% of Occupied Summer Hours.

0 of the **371** assessed Bedroom areas failed criterion A, whereby the ΔT ($T_{\max}$ - $T_{\text{operative}}$) is $\geq 1K$ for more than 3% of Occupied Summer Hours.

8 of the **371** assessed bedrooms failed criterion B, whereby the $T_{\text{operative}}$ exceeds 26°C for more than 1% of the sleeping hours (11pm till 7am annually)

The failing rooms are bedrooms, which are failing criterion B. This could be explained by the fact that this criterion is assessed during the night-time period. Unfortunately we are not able to simulate openable windows during this night time period in this apartment due to acoustic restraints.

The results for the initial overheating simulation can be seen in table 4.1 in Appendix B.





4.3 Summary of Communal Circulation Areas Results – Simulation 1

The circulation areas have been assessed against TM59 criteria for circulation areas, i.e. No. of hours that operative temp exceeds 28deg should be less than 3% of annual occupied hours.

The results from the Initial overheating simulation show that **48** out of **48** assessed areas Passed the overheating criteria.

Whilst there is no mandatory target to meet for communal corridors, if an operative temperature of 28 °C is exceeded for more than 3% of the total annual hours, then this should be identified as a significant risk.

*The results for the corridor areas overheating simulation can be seen in **table 4.3 TM59 Assessment Results Table – Simulation 1***

Appendix A – CIBSE TM59 Rooms Gains and Profiles

Extract from TM59: 2017 Section 6

Supplementary information on profile development

7

Table 2 Occupancy and equipment gain descriptions

Unit/ room type	Occupancy	Equipment load
Studio	2 people at 70% gains from 11 pm to 8 am 2 people at 100% gains from 8 am to 11 pm	Peak load of 450 W from 6 pm to 8 pm*. 200 W from 8 pm to 10 pm 110 W from 9 am to 6 pm and 10 pm to 12 pm Base load of 85 W for the rest of the day
1-bedroom apartment: living room/kitchen	1 person from 9 am to 10 pm; room is unoccupied for the rest of the day	Peak load of 450 W from 6 pm to 8 pm 200 W from 8 pm to 10 pm 110 W from 9 am to 6 pm and from 10 pm to 12 pm Base load of 85 W for the rest of the day
1-bedroom apartment: living room	1 person at 75% gains from 9 am to 10 pm; room is unoccupied for the rest of the day	Peak load of 150 W from 6 pm to 10 pm 60 W from 9 am to 6 pm and from 10 pm to 12 pm Base load of 35 W for the rest of the day
1-bedroom apartment: kitchen	1 person at 25% gains from 9 am to 10 pm; room is unoccupied for the rest of the day	Peak load of 300 W from 6 pm to 8 pm Base load of 50 W for the rest of the day
2-bedroom apartment: living room/kitchen	2 people from 9 am to 10 pm; room is unoccupied for the rest of the day	Peak load of 450 W from 6 pm to 8 pm 200 W from 8 pm to 10 pm 110 W from 9 am to 6 pm and from 10 pm to 12 pm Base load of 85 W for the rest of the day
2-bedroom apartment: living room	2 people at 75% gains from 9 am to 10 pm; room is unoccupied for the rest of the day	Peak load of 150 W from 6 pm to 10 pm 60 W from 9 am to 6 pm and from 10 pm to 12 pm Base load of 35 W for the rest of the day
2-bedroom apartment: kitchen	2 people at 25% gains from 9 am to 10 pm; room is unoccupied for the rest of the day	Peak load of 300 W from 6 pm to 8 pm Base load of 50 W for the rest of the day
3-bedroom apartment: living room/kitchen	3 people from 9 am to 10 pm; room is unoccupied for the rest of the day	Peak load of 450 W from 6 pm to 8 pm 200 W from 8 pm to 10 pm 110 W from 9 am to 6 pm and from 10 pm to 12 pm Base load of 85 W for the rest of the day
3-bedroom apartment: living room	3 people at 75% gains from 9 am to 10 pm; room is unoccupied for the rest of the day	Peak load of 150 W from 6 pm to 10 pm 60 W from 9 am to 6 pm and from 10 pm to 12 pm Base load of 35 W for the rest of the day
3-bedroom apartment: kitchen	3 people at 25% gains from 9 am to 10 pm; room is unoccupied for the rest of the day	Peak load of 300 W from 6 pm to 8 pm base load of 50 W for the rest of the day
Double bedroom	2 people at 70% gains from 11 pm to 8 am 2 people at full gains from 8 am to 9 am and from 10 pm to 11 pm 1 person at full gains in the bedroom from 9 am to 10 pm	Peak load of 80 W from 8 am to 11 pm Base load of 10 W during the sleeping hours
Single bedroom (too small to accommodate double bed)	1 person at 70% gains from 11 pm to 8 am 1 person at full gains from 8 am to 11 pm	Peak load of 80 W from 8 am to 11 pm Base load of 10 W during sleeping hours
Communal corridors	Assumed to be zero	Pipework heat loss only; see section 3.1 above

* All times in GMT

Figure 1. Heat gain profile

Number of people	Description	Peak load (W)		Period																											
		Sensible	Latent	Hour-ending																											
				00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24				
1	Single bedroom occupancy	75	55	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7		
2	Double bedroom occupancy	150	110	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	0.7		
2	Studio occupancy	150	110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
1	1-bed living/kitchen occupancy	75	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1	1-bed living occupancy	75	55	0	0	0	0	0	0	0	0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0	0	0		
1	1-bed kitchen occupancy	75	55	0	0	0	0	0	0	0	0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0	0	0		
2	2-bed living/kitchen occupancy	150	110	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
2	2-bed living occupancy	150	110	0	0	0	0	0	0	0	0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0	0	0		
2	2-bed kitchen occupancy	150	110	0	0	0	0	0	0	0	0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0	0	0		
3	3-bed living/kitchen occupancy	225	165	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
3	3-bed living occupancy	225	165	0	0	0	0	0	0	0	0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0	0	0		
3	3-bed kitchen occupancy	225	165	0	0	0	0	0	0	0	0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0	0	0		
80	Single bedroom equipment	80	80	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.13		
80	Double bedroom equipment	80	80	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.13		
450	Studio equipment	450	450	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24		
450	Living/kitchen equipment	450	450	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24		
150	Living equipment	150	150	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4		
300	Kitchen equipment	300	300	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17		
Lighting profile		2 (W/m ²)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		



Extract from TM59: 2017 Section 5.2

For the purposes of the assessment, lighting energy is assumed to be proportional to floor area, and lighting loads are measured in W/m^2 . From 6 pm to 11 pm, 2 W/m^2 should be assumed as the default for an efficient new-build home.

This assumes that good daylight levels are available (also noting that only May to September is assessed within CIBSE TM52).

For existing buildings, or specialist lighting designs, a calculated higher value should be used.

For communal corridors, use 2 W/m^2 ; this may be assumed as zero if passive infrared (pir) sensors are present.

Communal Corridors

Extract from TM59: 2017 Section 3.9

Communal corridor heat gains should be modelled based on calculated losses from pipework

Extract from TM59: 2017 Section 5.2

For communal corridors, use 2 W/m^2 ; this may be assumed as zero if passive infrared (PIR) sensors are present.

Appendix B – Results tables

Key:

L/K/D = Living/Kitchen/Dining

B = no. of bedrooms

(S) single bedrooms

(M) master bedrooms

Table 4.1 TM59 Assessment Results Table - Simulation 1

The building was simulated with:-

- Trickle vent rates at 8l/s (bedrooms), 13 l/s (Living Rooms)
- Windows and Glazed doors openable to 90 deg side Hung
- Windows shut at night (acoustic facades and GF)
- 0.4 G Northerly facades, 0.35 G Southerly Facades

COLOUR KEY	LOW RISK	MED RISK	HIGH RISK	OVERHEATING
Living Areas Criterion A	<47 hrs	47-52 hrs	53-59.7 hrs	>59.7 hrs
Bedroom Areas Criterion A	<88 hrs	88-98 hrs	99-110.2 hrs	>110.2 hrs
Bedroom Areas Criterion B	<25 hrs	25-27 hrs	28-32 hrs	>32 hrs

Location	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
01_07_3B4P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
01_06_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_05_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_04_2B4P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
01_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_02_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
01_18_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_16_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_13_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_12_3B6P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_11_2B3P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
01_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
01_09_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
01_08_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_04_2B4P_L/K/D	1989	59.7	2	Pass	N/A	N/A	Pass
02_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_02_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
02_11_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
02_10_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
02_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_08_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
02_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
02_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_13_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
02_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
03_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
03_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
03_11_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
03_10_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
03_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_08_2B3P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
03_07_2B3P_L/K/D	1989	59.7	2	Pass	N/A	N/A	Pass
03_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_13_2B3P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
03_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
04_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
04_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
04_10_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
04_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_08_2B3P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
04_07_2B3P_L/K/D	1989	59.7	2	Pass	N/A	N/A	Pass
04_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
04_13_2B3P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
04_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
05_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
05_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
05_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
05_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_08_2B3P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
05_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
05_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_13_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
05_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
06_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
06_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
06_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
06_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
06_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_08_2B3P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
06_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
06_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_13_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
06_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
07_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
07_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
07_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
07_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_08_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
07_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
07_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_13_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
07_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_04_2B4P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
08_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
08_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
08_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
08_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_08_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
08_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
08_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_13_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
08_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
09_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
09_02_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
09_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
09_13_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
09_12_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
09_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
09_10_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_09_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
09_08_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_04_2B4P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_07_1B2P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_06_1B2P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_05_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_02_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
00_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_13_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_12_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_10_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_11_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_09_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
00_08_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
00_07_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_06_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_05_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_04_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
01_07_3B4P_BED (M)	3672	110.2	0	Pass	11	Pass	Pass
01_07_3B4P_BED	3672	110.2	2	Pass	20	Pass	Pass
01_07_3B4P_BED (S)	3672	110.2	25	Pass	1	Pass	Pass
01_06_2B3P_BED (M)	3672	110.2	0	Pass	10	Pass	Pass
01_06_2B3P_BED	3672	110.2	1	Pass	11	Pass	Pass
01_05_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_05_3B4P_BED (S)	3672	110.2	3	Pass	0	Pass	Pass
01_05_3B4P_BED	3672	110.2	1	Pass	15	Pass	Pass
01_04_2B4P_BED	3672	110.2	0	Pass	7	Pass	Pass
01_04_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
01_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_02_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_02_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_20_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_18_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_18_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
01_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
01_16_1B1P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_13_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_12_3B6P_BED	3672	110.2	6	Pass	22	Pass	Pass
01_12_3B6P_BED	3672	110.2	1	Pass	6	Pass	Pass
01_12_3B6P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_11_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_11_2B3P_BED	3672	110.2	13	Pass	16	Pass	Pass
01_10_1B1P_BED	3672	110.2	14	Pass	20	Pass	Pass
01_09_1B1P_BED	3672	110.2	16	Pass	21	Pass	Pass
01_08_2B3P_BED (M)	3672	110.2	1	Pass	1	Pass	Pass
01_08_2B3P_BED	3672	110.2	0	Pass	7	Pass	Pass
02_04_2B4P_BED	3672	110.2	0	Pass	10	Pass	Pass
02_04_2B4P_BED (M)	3672	110.2	0	Pass	1	Pass	Pass
02_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
02_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_02_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_02_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
02_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_12_2B3P_BED	3672	110.2	16	Pass	21	Pass	Pass
02_11_1B1P_BED	3672	110.2	15	Pass	22	Pass	Pass
02_10_1B1P_BED	3672	110.2	16	Pass	22	Pass	Pass
02_09_2B3P_BED (M)	3672	110.2	2	Pass	10	Pass	Pass
02_09_2B3P_BED	3672	110.2	0	Pass	3	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
02_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_07_2B3P_BED (M)	3672	110.2	0	Pass	21	Pass	Pass
02_07_2B3P_BED	3672	110.2	4	Pass	16	Pass	Pass
02_08_2B3P_BED	3672	110.2	16	Pass	43	Fail	Fail
02_06_2B4P_BED (M)	3672	110.2	1	Pass	14	Pass	Pass
02_06_2B4P_BED	3672	110.2	0	Pass	10	Pass	Pass
02_05_2B4P_BED (M)	3672	110.2	0	Pass	5	Pass	Pass
02_05_2B4P_BED	3672	110.2	1	Pass	14	Pass	Pass
02_13_2B3P_BED	3672	110.2	16	Pass	25	Pass	Pass
02_13_2B3P_BED (M)	3672	110.2	1	Pass	0	Pass	Pass
02_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_08_2B3P_BED (M)	3672	110.2	10	Pass	25	Pass	Pass
03_04_2B4P_BED	3672	110.2	0	Pass	11	Pass	Pass
03_04_2B4P_BED (M)	3672	110.2	0	Pass	5	Pass	Pass
03_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
03_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
03_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
03_12_2B3P_BED	3672	110.2	16	Pass	21	Pass	Pass
03_11_1B1P_BED	3672	110.2	15	Pass	22	Pass	Pass
03_10_1B1P_BED	3672	110.2	16	Pass	24	Pass	Pass
03_09_2B3P_BED (M)	3672	110.2	2	Pass	13	Pass	Pass
03_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
03_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_07_2B3P_BED (M)	3672	110.2	1	Pass	24	Pass	Pass
03_07_2B3P_BED	3672	110.2	6	Pass	22	Pass	Pass
03_08_2B3P_BED	3672	110.2	18	Pass	47	Fail	Fail
03_06_2B4P_BED (M)	3672	110.2	1	Pass	15	Pass	Pass
03_06_2B4P_BED	3672	110.2	0	Pass	15	Pass	Pass
03_05_2B4P_BED (M)	3672	110.2	0	Pass	9	Pass	Pass
03_05_2B4P_BED	3672	110.2	1	Pass	15	Pass	Pass
03_13_2B3P_BED	3672	110.2	16	Pass	26	Pass	Pass
03_13_2B3P_BED (M)	3672	110.2	4	Pass	1	Pass	Pass
03_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_08_2B3P_BED (M)	3672	110.2	10	Pass	29	Pass	Pass
04_04_2B4P_BED	3672	110.2	0	Pass	11	Pass	Pass
04_04_2B4P_BED (M)	3672	110.2	0	Pass	4	Pass	Pass
04_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
04_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
04_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
04_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_12_2B3P_BED	3672	110.2	16	Pass	21	Pass	Pass
04_11_1B1P_BED	3672	110.2	15	Pass	22	Pass	Pass
04_10_1B1P_BED	3672	110.2	16	Pass	23	Pass	Pass
04_09_2B3P_BED (M)	3672	110.2	2	Pass	13	Pass	Pass
04_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
04_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_07_2B3P_BED (M)	3672	110.2	1	Pass	24	Pass	Pass
04_07_2B3P_BED	3672	110.2	6	Pass	22	Pass	Pass
04_08_2B3P_BED	3672	110.2	17	Pass	48	Fail	Fail
04_06_2B4P_BED (M)	3672	110.2	1	Pass	15	Pass	Pass
04_06_2B4P_BED	3672	110.2	0	Pass	15	Pass	Pass
04_05_2B4P_BED (M)	3672	110.2	0	Pass	9	Pass	Pass
04_05_2B4P_BED	3672	110.2	1	Pass	15	Pass	Pass
04_13_2B3P_BED	3672	110.2	16	Pass	26	Pass	Pass
04_13_2B3P_BED (M)	3672	110.2	5	Pass	1	Pass	Pass
04_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_08_2B3P_BED (M)	3672	110.2	10	Pass	29	Pass	Pass
05_04_2B4P_BED	3672	110.2	0	Pass	11	Pass	Pass
05_04_2B4P_BED (M)	3672	110.2	0	Pass	4	Pass	Pass
05_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
05_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
05_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
05_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_12_2B3P_BED	3672	110.2	16	Pass	21	Pass	Pass
05_11_1B1P_BED	3672	110.2	14	Pass	22	Pass	Pass
05_10_1B1P_BED	3672	110.2	16	Pass	23	Pass	Pass
05_09_2B3P_BED (M)	3672	110.2	2	Pass	10	Pass	Pass
05_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
05_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_07_2B3P_BED (M)	3672	110.2	1	Pass	23	Pass	Pass
05_07_2B3P_BED	3672	110.2	5	Pass	18	Pass	Pass
05_08_2B3P_BED	3672	110.2	17	Pass	48	Fail	Fail
05_06_2B4P_BED (M)	3672	110.2	1	Pass	15	Pass	Pass
05_06_2B4P_BED	3672	110.2	0	Pass	14	Pass	Pass
05_05_2B4P_BED (M)	3672	110.2	0	Pass	9	Pass	Pass
05_05_2B4P_BED	3672	110.2	1	Pass	15	Pass	Pass
05_13_2B3P_BED	3672	110.2	16	Pass	26	Pass	Pass
05_13_2B3P_BED (M)	3672	110.2	5	Pass	1	Pass	Pass
05_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_08_2B3P_BED (M)	3672	110.2	10	Pass	27	Pass	Pass
06_04_2B4P_BED	3672	110.2	0	Pass	10	Pass	Pass
06_04_2B4P_BED (M)	3672	110.2	0	Pass	2	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
06_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
06_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
06_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_12_2B3P_BED	3672	110.2	15	Pass	20	Pass	Pass
06_11_1B1P_BED	3672	110.2	14	Pass	21	Pass	Pass
06_10_1B1P_BED	3672	110.2	15	Pass	21	Pass	Pass
06_09_2B3P_BED (M)	3672	110.2	2	Pass	9	Pass	Pass
06_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
06_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_07_2B3P_BED (M)	3672	110.2	1	Pass	22	Pass	Pass
06_07_2B3P_BED	3672	110.2	5	Pass	18	Pass	Pass
06_08_2B3P_BED	3672	110.2	16	Pass	46	Fail	Fail
06_06_2B4P_BED (M)	3672	110.2	1	Pass	14	Pass	Pass
06_06_2B4P_BED	3672	110.2	0	Pass	14	Pass	Pass
06_05_2B4P_BED (M)	3672	110.2	0	Pass	8	Pass	Pass
06_05_2B4P_BED	3672	110.2	1	Pass	14	Pass	Pass
06_13_2B3P_BED	3672	110.2	16	Pass	24	Pass	Pass
06_13_2B3P_BED (M)	3672	110.2	4	Pass	1	Pass	Pass
06_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
06_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_08_2B3P_BED (M)	3672	110.2	10	Pass	26	Pass	Pass
07_04_2B4P_BED	3672	110.2	0	Pass	9	Pass	Pass
07_04_2B4P_BED (M)	3672	110.2	0	Pass	1	Pass	Pass
07_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
07_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
07_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_12_2B3P_BED	3672	110.2	15	Pass	20	Pass	Pass
07_11_1B1P_BED	3672	110.2	14	Pass	20	Pass	Pass
07_10_1B1P_BED	3672	110.2	14	Pass	21	Pass	Pass
07_09_2B3P_BED (M)	3672	110.2	2	Pass	9	Pass	Pass
07_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
07_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_07_2B3P_BED (M)	3672	110.2	1	Pass	20	Pass	Pass
07_07_2B3P_BED	3672	110.2	5	Pass	18	Pass	Pass
07_08_2B3P_BED	3672	110.2	16	Pass	46	Fail	Fail
07_06_2B4P_BED (M)	3672	110.2	1	Pass	14	Pass	Pass
07_06_2B4P_BED	3672	110.2	0	Pass	14	Pass	Pass
07_05_2B4P_BED (M)	3672	110.2	0	Pass	8	Pass	Pass
07_05_2B4P_BED	3672	110.2	1	Pass	14	Pass	Pass
07_13_2B3P_BED	3672	110.2	16	Pass	24	Pass	Pass
07_13_2B3P_BED (M)	3672	110.2	3	Pass	0	Pass	Pass
07_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
07_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_08_2B3P_BED (M)	3672	110.2	10	Pass	25	Pass	Pass
08_04_2B4P_BED	3672	110.2	0	Pass	7	Pass	Pass
08_04_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
08_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
08_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_12_2B3P_BED	3672	110.2	15	Pass	20	Pass	Pass
08_11_1B1P_BED	3672	110.2	14	Pass	19	Pass	Pass
08_10_1B1P_BED	3672	110.2	14	Pass	21	Pass	Pass
08_09_2B3P_BED (M)	3672	110.2	2	Pass	9	Pass	Pass
08_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
08_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_07_2B3P_BED (M)	3672	110.2	1	Pass	19	Pass	Pass
08_07_2B3P_BED	3672	110.2	5	Pass	18	Pass	Pass
08_08_2B3P_BED	3672	110.2	15	Pass	45	Fail	Fail
08_06_2B4P_BED (M)	3672	110.2	1	Pass	14	Pass	Pass
08_06_2B4P_BED	3672	110.2	0	Pass	9	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
08_05_2B4P_BED (M)	3672	110.2	0	Pass	4	Pass	Pass
08_05_2B4P_BED	3672	110.2	1	Pass	9	Pass	Pass
08_13_2B3P_BED	3672	110.2	14	Pass	21	Pass	Pass
08_13_2B3P_BED (M)	3672	110.2	1	Pass	0	Pass	Pass
08_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_08_2B3P_BED (M)	3672	110.2	10	Pass	23	Pass	Pass
09_04_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_04_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
09_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
09_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
09_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_02_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
09_02_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
09_13_2B3P_BED	3672	110.2	14	Pass	18	Pass	Pass
09_12_1B1P_BED	3672	110.2	11	Pass	17	Pass	Pass
09_11_1B1P_BED	3672	110.2	12	Pass	17	Pass	Pass
09_10_2B3P_BED (M)	3672	110.2	2	Pass	3	Pass	Pass
09_10_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_13_2B3P_BED (M)	3672	110.2	0	Pass	11	Pass	Pass
09_08_2B3P_BED (M)	3672	110.2	0	Pass	17	Pass	Pass
09_08_2B3P_BED	3672	110.2	3	Pass	15	Pass	Pass
09_09_2B3P_BED	3672	110.2	13	Pass	40	Fail	Fail
09_09_2B3P_BED (M)	3672	110.2	5	Pass	18	Pass	Pass
09_07_1B2P_BED	3672	110.2	0	Pass	2	Pass	Pass
09_06_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_05_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
00_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
00_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_02_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_02_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_13_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_13_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_12_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_08_2B3P_BED	3672	110.2	9	Pass	12	Pass	Pass
00_09_2B3P_BED	3672	110.2	9	Pass	12	Pass	Pass
00_10_1B1P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_11_1B1P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_09_2B3P_BED (M)	3672	110.2	1	Pass	0	Pass	Pass
00_08_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_07_1B1P_BED(S)	3672	110.2	2	Pass	0	Pass	Pass
00_06_1B1P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_05_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_05_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_04_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_04_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
571				0		8	8

Table 4.2 TM59 Assessment Results Table - Simulation 2

The building was simulated with:-

- Trickle vent rates at 8l/s (bedrooms), 13 l/s (Living Rooms)
- Trickle Vent rate increased to 11 l/s to failing bedrooms as identified in simulation 1 (Using a summertime boost function) 8l/s + 3 l/s = 11 l/s total. (8no. bedrooms affected)
- Windows and Glazed doors openable to 90 deg side Hung
- Windows shut at night (acoustic facades and GF)
- 0.4 G Northerly facades, 0.35 G Southerly Facades

COLOUR KEY	LOW RISK	MED RISK	HIGH RISK	OVERHEATING
Living Areas Criterion A	<47 hrs	47-52 hrs	53-59.7 hrs	>59.7 hrs
Bedroom Areas Criterion A	<88 hrs	88-98 hrs	99-110.2 hrs	>110.2 hrs
Bedroom Areas Criterion B	<25 hrs	25-27 hrs	28-32 hrs	>32 hrs

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
01_07_3B4P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
01_06_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_05_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_04_2B4P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
01_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_02_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_18_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_16_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_13_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_12_3B6P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
01_11_2B3P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
01_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
01_09_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
01_08_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_04_2B4P_L/K/D	1989	59.7	2	Pass	N/A	N/A	Pass
02_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_02_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
02_11_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
02_10_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
02_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_08_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
02_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
02_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_13_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
02_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
02_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
03_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
03_11_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
03_10_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
03_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_08_2B3P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
03_07_2B3P_L/K/D	1989	59.7	2	Pass	N/A	N/A	Pass
03_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_13_2B3P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
03_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
03_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
04_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
04_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
04_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
04_10_1B1P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
04_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_08_2B3P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
04_07_2B3P_L/K/D	1989	59.7	2	Pass	N/A	N/A	Pass
04_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_13_2B3P_L/K/D	1989	59.7	8	Pass	N/A	N/A	Pass
04_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
04_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
05_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
05_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
05_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
05_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_08_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
05_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
05_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
05_13_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
05_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
05_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
06_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
06_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
06_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
06_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_08_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
06_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
06_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_13_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
06_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
06_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_04_2B4P_L/K/D	1989	59.7	3	Pass	N/A	N/A	Pass
07_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
07_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
07_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
07_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
07_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_08_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
07_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
07_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_13_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
07_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
07_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_04_2B4P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
08_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_03_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_22_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_21_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_20_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_19_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_18_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_12_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
08_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
08_10_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
08_09_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_08_2B3P_L/K/D	1989	59.7	6	Pass	N/A	N/A	Pass
08_07_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
08_06_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_05_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_13_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
08_14_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_15_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_16_2B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
08_17_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
09_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
09_02_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
09_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
09_13_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
09_12_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
09_11_1B1P_L/K/D	1989	59.7	7	Pass	N/A	N/A	Pass
09_10_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_09_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
09_08_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_04_2B4P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_07_1B2P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_06_1B2P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
09_05_1B2P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_03_3B4P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_02_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_01_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_13_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_12_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_10_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_11_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_09_2B3P_L/K/D	1989	59.7	5	Pass	N/A	N/A	Pass
00_08_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
00_07_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_06_1B1P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_05_2B3P_L/K/D	1989	59.7	0	Pass	N/A	N/A	Pass
00_04_2B3P_L/K/D	1989	59.7	1	Pass	N/A	N/A	Pass
01_07_3B4P_BED (M)	3672	110.2	0	Pass	11	Pass	Pass
01_07_3B4P_BED	3672	110.2	2	Pass	19	Pass	Pass
01_07_3B4P_BED (S)	3672	110.2	25	Pass	1	Pass	Pass
01_06_2B3P_BED (M)	3672	110.2	0	Pass	10	Pass	Pass
01_06_2B3P_BED	3672	110.2	1	Pass	11	Pass	Pass
01_05_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_05_3B4P_BED (S)	3672	110.2	3	Pass	0	Pass	Pass
01_05_3B4P_BED	3672	110.2	1	Pass	15	Pass	Pass
01_04_2B4P_BED	3672	110.2	0	Pass	7	Pass	Pass
01_04_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
01_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
01_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_02_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_02_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_20_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_18_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_18_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
01_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_16_1B1P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_13_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
01_12_3B6P_BED	3672	110.2	6	Pass	22	Pass	Pass
01_12_3B6P_BED	3672	110.2	1	Pass	6	Pass	Pass
01_12_3B6P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_11_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
01_11_2B3P_BED	3672	110.2	13	Pass	16	Pass	Pass
01_10_1B1P_BED	3672	110.2	14	Pass	20	Pass	Pass
01_09_1B1P_BED	3672	110.2	16	Pass	21	Pass	Pass
01_08_2B3P_BED (M)	3672	110.2	1	Pass	1	Pass	Pass
01_08_2B3P_BED	3672	110.2	0	Pass	7	Pass	Pass
02_04_2B4P_BED	3672	110.2	0	Pass	10	Pass	Pass
02_04_2B4P_BED (M)	3672	110.2	0	Pass	1	Pass	Pass
02_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
02_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_02_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_02_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
02_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
02_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_12_2B3P_BED	3672	110.2	16	Pass	21	Pass	Pass
02_11_1B1P_BED	3672	110.2	15	Pass	22	Pass	Pass
02_10_1B1P_BED	3672	110.2	16	Pass	22	Pass	Pass
02_09_2B3P_BED (M)	3672	110.2	2	Pass	10	Pass	Pass
02_09_2B3P_BED	3672	110.2	0	Pass	3	Pass	Pass
02_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_07_2B3P_BED (M)	3672	110.2	0	Pass	21	Pass	Pass
02_07_2B3P_BED	3672	110.2	4	Pass	16	Pass	Pass
02_08_2B3P_BED	3672	110.2	16	Pass	23	Pass	Pass
02_06_2B4P_BED (M)	3672	110.2	1	Pass	14	Pass	Pass
02_06_2B4P_BED	3672	110.2	0	Pass	10	Pass	Pass
02_05_2B4P_BED (M)	3672	110.2	0	Pass	5	Pass	Pass
02_05_2B4P_BED	3672	110.2	1	Pass	14	Pass	Pass
02_13_2B3P_BED	3672	110.2	16	Pass	25	Pass	Pass
02_13_2B3P_BED (M)	3672	110.2	1	Pass	0	Pass	Pass
02_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
02_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
02_08_2B3P_BED (M)	3672	110.2	10	Pass	25	Pass	Pass
03_04_2B4P_BED	3672	110.2	0	Pass	11	Pass	Pass
03_04_2B4P_BED (M)	3672	110.2	0	Pass	5	Pass	Pass
03_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
03_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
03_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
03_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_12_2B3P_BED	3672	110.2	16	Pass	21	Pass	Pass
03_11_1B1P_BED	3672	110.2	15	Pass	22	Pass	Pass
03_10_1B1P_BED	3672	110.2	16	Pass	24	Pass	Pass
03_09_2B3P_BED (M)	3672	110.2	2	Pass	13	Pass	Pass
03_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
03_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_07_2B3P_BED (M)	3672	110.2	1	Pass	24	Pass	Pass
03_07_2B3P_BED	3672	110.2	6	Pass	22	Pass	Pass
03_08_2B3P_BED	3672	110.2	16	Pass	27	Pass	Pass
03_06_2B4P_BED (M)	3672	110.2	1	Pass	15	Pass	Pass
03_06_2B4P_BED	3672	110.2	0	Pass	15	Pass	Pass
03_05_2B4P_BED (M)	3672	110.2	0	Pass	9	Pass	Pass
03_05_2B4P_BED	3672	110.2	1	Pass	15	Pass	Pass
03_13_2B3P_BED	3672	110.2	16	Pass	26	Pass	Pass
03_13_2B3P_BED (M)	3672	110.2	4	Pass	1	Pass	Pass
03_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
03_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
03_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
03_08_2B3P_BED (M)	3672	110.2	10	Pass	27	Pass	Pass
04_04_2B4P_BED	3672	110.2	0	Pass	11	Pass	Pass
04_04_2B4P_BED (M)	3672	110.2	0	Pass	4	Pass	Pass
04_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
04_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
04_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_12_2B3P_BED	3672	110.2	16	Pass	21	Pass	Pass
04_11_1B1P_BED	3672	110.2	15	Pass	22	Pass	Pass
04_10_1B1P_BED	3672	110.2	16	Pass	23	Pass	Pass
04_09_2B3P_BED (M)	3672	110.2	2	Pass	13	Pass	Pass
04_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
04_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_07_2B3P_BED (M)	3672	110.2	1	Pass	24	Pass	Pass
04_07_2B3P_BED	3672	110.2	6	Pass	22	Pass	Pass
04_08_2B3P_BED	3672	110.2	16	Pass	27	Pass	Pass
04_06_2B4P_BED (M)	3672	110.2	1	Pass	15	Pass	Pass
04_06_2B4P_BED	3672	110.2	0	Pass	15	Pass	Pass
04_05_2B4P_BED (M)	3672	110.2	0	Pass	9	Pass	Pass
04_05_2B4P_BED	3672	110.2	1	Pass	15	Pass	Pass
04_13_2B3P_BED	3672	110.2	16	Pass	26	Pass	Pass
04_13_2B3P_BED (M)	3672	110.2	5	Pass	1	Pass	Pass
04_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
04_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
04_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
04_08_2B3P_BED (M)	3672	110.2	10	Pass	28	Pass	Pass
05_04_2B4P_BED	3672	110.2	0	Pass	11	Pass	Pass
05_04_2B4P_BED (M)	3672	110.2	0	Pass	4	Pass	Pass
05_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
05_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
05_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_12_2B3P_BED	3672	110.2	16	Pass	21	Pass	Pass
05_11_1B1P_BED	3672	110.2	14	Pass	22	Pass	Pass
05_10_1B1P_BED	3672	110.2	16	Pass	23	Pass	Pass
05_09_2B3P_BED (M)	3672	110.2	2	Pass	10	Pass	Pass
05_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
05_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_07_2B3P_BED (M)	3672	110.2	1	Pass	23	Pass	Pass
05_07_2B3P_BED	3672	110.2	5	Pass	18	Pass	Pass
05_08_2B3P_BED	3672	110.2	16	Pass	26	Pass	Pass
05_06_2B4P_BED (M)	3672	110.2	1	Pass	15	Pass	Pass
05_06_2B4P_BED	3672	110.2	0	Pass	14	Pass	Pass
05_05_2B4P_BED (M)	3672	110.2	0	Pass	9	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
05_05_2B4P_BED	3672	110.2	1	Pass	15	Pass	Pass
05_13_2B3P_BED	3672	110.2	16	Pass	26	Pass	Pass
05_13_2B3P_BED (M)	3672	110.2	5	Pass	1	Pass	Pass
05_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
05_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
05_08_2B3P_BED (M)	3672	110.2	10	Pass	27	Pass	Pass
06_04_2B4P_BED	3672	110.2	0	Pass	10	Pass	Pass
06_04_2B4P_BED (M)	3672	110.2	0	Pass	2	Pass	Pass
06_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
06_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
06_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_12_2B3P_BED	3672	110.2	15	Pass	20	Pass	Pass
06_11_1B1P_BED	3672	110.2	14	Pass	21	Pass	Pass
06_10_1B1P_BED	3672	110.2	15	Pass	21	Pass	Pass
06_09_2B3P_BED (M)	3672	110.2	2	Pass	9	Pass	Pass
06_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
06_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_07_2B3P_BED (M)	3672	110.2	1	Pass	22	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
06_07_2B3P_BED	3672	110.2	5	Pass	18	Pass	Pass
06_08_2B3P_BED	3672	110.2	15	Pass	26	Pass	Pass
06_06_2B4P_BED (M)	3672	110.2	1	Pass	14	Pass	Pass
06_06_2B4P_BED	3672	110.2	0	Pass	14	Pass	Pass
06_05_2B4P_BED (M)	3672	110.2	0	Pass	8	Pass	Pass
06_05_2B4P_BED	3672	110.2	1	Pass	14	Pass	Pass
06_13_2B3P_BED	3672	110.2	16	Pass	24	Pass	Pass
06_13_2B3P_BED (M)	3672	110.2	4	Pass	1	Pass	Pass
06_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
06_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
06_08_2B3P_BED (M)	3672	110.2	10	Pass	26	Pass	Pass
07_04_2B4P_BED	3672	110.2	0	Pass	9	Pass	Pass
07_04_2B4P_BED (M)	3672	110.2	0	Pass	1	Pass	Pass
07_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
07_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
07_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_12_2B3P_BED	3672	110.2	15	Pass	20	Pass	Pass
07_11_1B1P_BED	3672	110.2	14	Pass	20	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
07_10_1B1P_BED	3672	110.2	14	Pass	21	Pass	Pass
07_09_2B3P_BED (M)	3672	110.2	2	Pass	9	Pass	Pass
07_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
07_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_07_2B3P_BED (M)	3672	110.2	1	Pass	20	Pass	Pass
07_07_2B3P_BED	3672	110.2	5	Pass	18	Pass	Pass
07_08_2B3P_BED	3672	110.2	15	Pass	26	Pass	Pass
07_06_2B4P_BED (M)	3672	110.2	1	Pass	14	Pass	Pass
07_06_2B4P_BED	3672	110.2	0	Pass	14	Pass	Pass
07_05_2B4P_BED (M)	3672	110.2	0	Pass	8	Pass	Pass
07_05_2B4P_BED	3672	110.2	1	Pass	14	Pass	Pass
07_13_2B3P_BED	3672	110.2	16	Pass	24	Pass	Pass
07_13_2B3P_BED (M)	3672	110.2	3	Pass	0	Pass	Pass
07_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
07_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
07_08_2B3P_BED (M)	3672	110.2	10	Pass	25	Pass	Pass
08_04_2B4P_BED	3672	110.2	0	Pass	7	Pass	Pass
08_04_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
08_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_03_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_03_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_22_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_22_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_21_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_21_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_20_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
08_20_2B3P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
08_19_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_19_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_12_2B3P_BED	3672	110.2	15	Pass	20	Pass	Pass
08_11_1B1P_BED	3672	110.2	14	Pass	19	Pass	Pass
08_10_1B1P_BED	3672	110.2	14	Pass	21	Pass	Pass
08_09_2B3P_BED (M)	3672	110.2	2	Pass	9	Pass	Pass
08_09_2B3P_BED	3672	110.2	0	Pass	4	Pass	Pass
08_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_07_2B3P_BED (M)	3672	110.2	1	Pass	19	Pass	Pass
08_07_2B3P_BED	3672	110.2	5	Pass	18	Pass	Pass
08_08_2B3P_BED	3672	110.2	14	Pass	26	Pass	Pass
08_06_2B4P_BED (M)	3672	110.2	1	Pass	14	Pass	Pass
08_06_2B4P_BED	3672	110.2	0	Pass	9	Pass	Pass
08_05_2B4P_BED (M)	3672	110.2	0	Pass	4	Pass	Pass
08_05_2B4P_BED	3672	110.2	1	Pass	9	Pass	Pass
08_13_2B3P_BED	3672	110.2	14	Pass	21	Pass	Pass
08_13_2B3P_BED (M)	3672	110.2	1	Pass	0	Pass	Pass
08_14_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_14_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_15_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_16_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_16_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_17_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_17_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
08_18_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
08_08_2B3P_BED (M)	3672	110.2	10	Pass	23	Pass	Pass
09_04_2B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_04_2B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
09_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
09_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
09_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_02_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
09_02_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax ≥ 1K	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
09_13_2B3P_BED	3672	110.2	14	Pass	18	Pass	Pass
09_12_1B1P_BED	3672	110.2	11	Pass	17	Pass	Pass
09_11_1B1P_BED	3672	110.2	12	Pass	17	Pass	Pass
09_10_2B3P_BED (M)	3672	110.2	2	Pass	3	Pass	Pass
09_10_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_13_2B3P_BED (M)	3672	110.2	0	Pass	11	Pass	Pass
09_08_2B3P_BED (M)	3672	110.2	0	Pass	17	Pass	Pass
09_08_2B3P_BED	3672	110.2	3	Pass	15	Pass	Pass
09_09_2B3P_BED	3672	110.2	13	Pass	22	Pass	Pass
09_09_2B3P_BED (M)	3672	110.2	5	Pass	18	Pass	Pass
09_07_1B2P_BED	3672	110.2	0	Pass	2	Pass	Pass
09_06_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
09_05_1B2P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_03_3B4P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_03_3B4P_BED (S)	3672	110.2	0	Pass	0	Pass	Pass
00_03_3B4P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_02_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_02_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_01_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_01_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_13_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_13_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_12_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_12_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_08_2B3P_BED	3672	110.2	9	Pass	12	Pass	Pass
00_09_2B3P_BED	3672	110.2	9	Pass	12	Pass	Pass
00_10_1B1P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_11_1B1P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_09_2B3P_BED (M)	3672	110.2	1	Pass	0	Pass	Pass
00_08_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_07_1B1P_BED(S)	3672	110.2	2	Pass	0	Pass	Pass
00_06_1B1P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_05_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass
00_05_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_04_2B3P_BED	3672	110.2	0	Pass	0	Pass	Pass
00_04_2B3P_BED (M)	3672	110.2	0	Pass	0	Pass	Pass

	Criterion a				Criterion b		Overall
	May-Sept				Annual 10pm - 7am		
Location	Occupied Summer Hours	3% of Occupied Summer Hours	No. of hours Top - Tmax $\geq 1K$	Pass/Fail criterion A	< 32 Hrs above 26°C (Top)	Pass/Fail criterion B	Pass/Fail Overall
571				0		0	0

Table 4.3 Communal Circulation areas Overheating Results Table – Initial

The building was initially simulated with:-

- Windows were modelled as per current elevations and plans.
- No AOV's or other openings were simulated as openable within stairwells.
- 0.4 G Northerly facades, 0.35 G Southerly Facades

	Total Hours	3% of Hours	No. of hours Top > 28 °C	Pass/Fail
Location	Annual	Annual	Annual	
01_CORRIDOR_1	8760	262.8	0	Pass
01_CORRIDOR_4	8760	262.8	0	Pass
01_CORRIDOR_2	8760	262.8	0	Pass
01_CORRIDOR_3	8760	262.8	0	Pass
02_CORRIDOR_1	8760	262.8	0	Pass
02_CORRIDOR_4	8760	262.8	0	Pass
02_CORRIDOR_2	8760	262.8	0	Pass
02_CORRIDOR_3	8760	262.8	0	Pass
03_CORRIDOR_1	8760	262.8	0	Pass
03_CORRIDOR_4	8760	262.8	0	Pass
03_CORRIDOR_2	8760	262.8	0	Pass
03_CORRIDOR_3	8760	262.8	0	Pass
04_CORRIDOR_1	8760	262.8	0	Pass
04_CORRIDOR_4	8760	262.8	0	Pass
04_CORRIDOR_2	8760	262.8	0	Pass
04_CORRIDOR_3	8760	262.8	0	Pass
05_CORRIDOR_1	8760	262.8	0	Pass
05_CORRIDOR_4	8760	262.8	0	Pass
05_CORRIDOR_2	8760	262.8	0	Pass
05_CORRIDOR_3	8760	262.8	0	Pass
06_CORRIDOR_1	8760	262.8	0	Pass
06_CORRIDOR_4	8760	262.8	0	Pass

	Total Hours	3% of Hours	No. of hours Top > 28 °C	Pass/Fail
Location	Annual	Annual	Annual	
06_CORRIDOR_2	8760	262.8	0	Pass
06_CORRIDOR_3	8760	262.8	0	Pass
07_CORRIDOR_1	8760	262.8	0	Pass
07_CORRIDOR_4	8760	262.8	0	Pass
07_CORRIDOR_2	8760	262.8	0	Pass
07_CORRIDOR_3	8760	262.8	0	Pass
08_CORRIDOR_1	8760	262.8	0	Pass
08_CORRIDOR_4	8760	262.8	0	Pass
08_CORRIDOR_2	8760	262.8	0	Pass
08_CORRIDOR_3	8760	262.8	0	Pass
09_CORRIDOR_1	8760	262.8	0	Pass
09_CORRIDOR_2	8760	262.8	0	Pass
09_CORRIDOR_3	8760	262.8	0	Pass
10_LOBBY	8760	262.8	0	Pass
00_CORRIDOR_1	8760	262.8	0	Pass
00_CORRIDOR_3	8760	262.8	0	Pass
00_CORRIDOR_4	8760	262.8	0	Pass
00_CORRIDOR_2	8760	262.8	0	Pass
00_LIFT LOBBY (L5_6)	8760	262.8	0	Pass
00_LOBBY (REFUSE 1)	8760	262.8	0	Pass
00_ESACPE LOBBY 3 (UNHTD)	8760	262.8	0	Pass
00_LOBBY (REFUSE 1)	8760	262.8	0	Pass
00_ENNTRANCE LOBBY (MAIN)	8760	262.8	15	Pass
00_ENTRANCE LOBBY (NORTH)	8760	262.8	0	Pass
-1_CORRIDOR	8760	262.8	0	Pass
-1_LOBBY (4)	8760	262.8	0	Pass