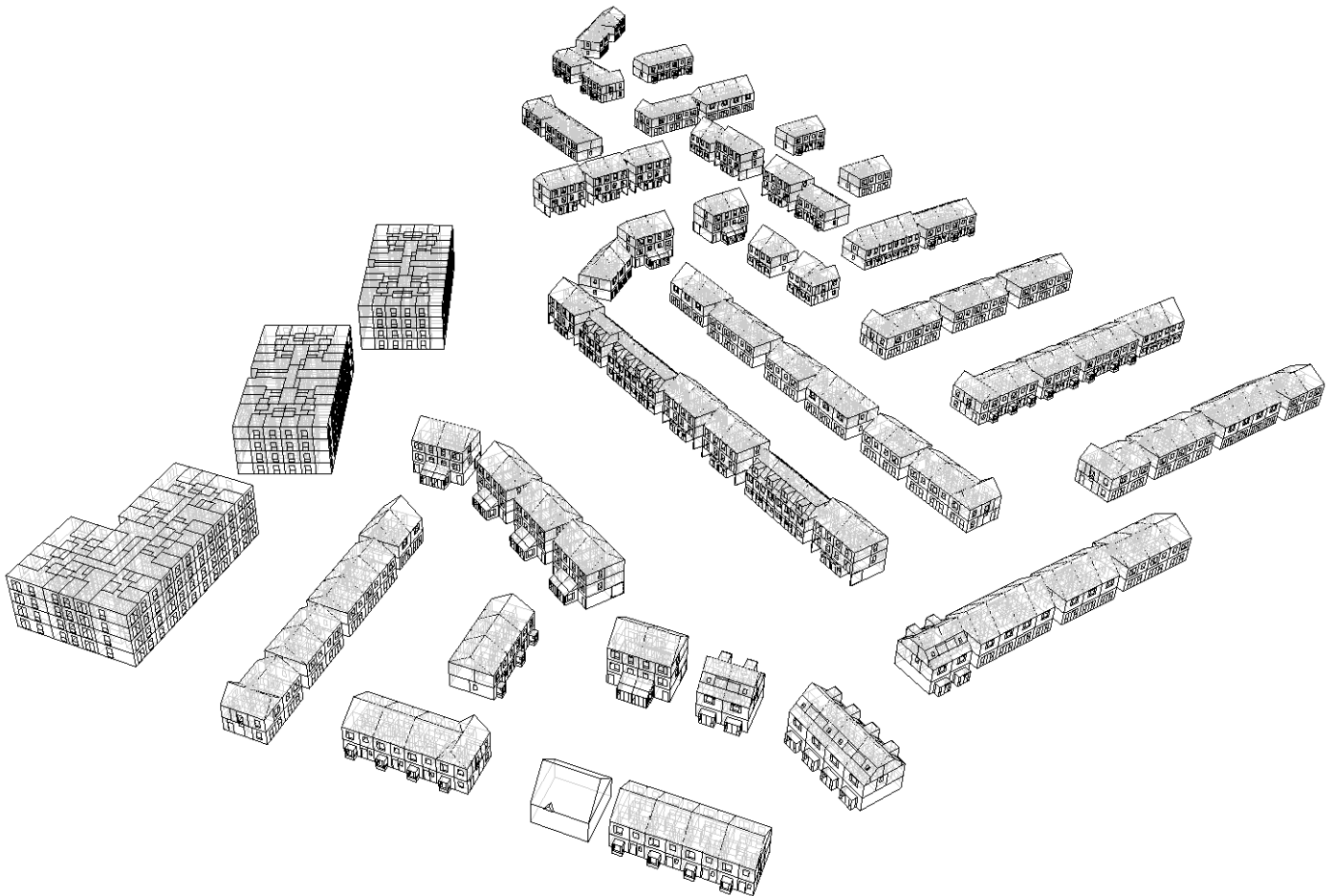


Part O – Overheating, Summary Report

BENNETT ST, MANCHESTER

OUR REF: 230923b

DATE: 15/11/2023



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1.0 INTRODUCTION

Hurstwood has been appointed to provide a TM59 Summary Report for the proposed 172 houses and 100 apartments at Bennett Street, Manchester, M12 5NL.



Figure 1. Site Layout, Kellen Homes Drawing KH006_A-100_M

The purpose of this report is to clearly confirm that:

1. Thermal modelling has been carried out using software in accordance with CIBSE AM11 Building Energy and Environmental Modelling.

The modelling demonstrates that the building design and services strategy can deliver thermal comfort levels in occupied spaces in accordance with the criteria set out in CIBSE Guide A Environmental Design; or other appropriate industry standard (where this sets a higher or more appropriate requirement/level for the building type) to a **warmer than average climate** as per guidance in *CIBSE TM48: Use of climate change data in building simulation*.

2. The software used to carry out the simulation at the detailed design stage provides full dynamic thermal analysis.
3. The results of the dynamic thermal analysis show which areas of the building pass the TM59 criteria and which areas need further consideration.

2.0 DECLARATION OF COMPLIANCE WITH CIBSE AM11

CIBSE Applications Manual AM11: 1998, Building Energy and Environmental Modelling has been written to help in the selection and application of BEEM software in practice.

The manual covers:

- a) *Applicability*: BEEM software is normally a complex package of various calculation procedures; it should only be used when it is appropriate to do so.
- b) *Selection*: a large number of BEEM software tools exist; choosing the right tool for the job is the first important task in modelling.
- c) *Quality*: there is always the possibility of errors within software, mistakes in implementation and/ or the misapplication of software. Consideration should be given to validation of software and procedures for their use.
- d) *User skills*: the effect of user errors and assumptions on the results obtained can far outweigh the accuracy of BEEM software. Appropriate training, together with the establishment and use of quality assurance procedures, is an important part of developing a modelling capability.
- e) *Input data*: access to guidance and sources of information for deriving appropriate input data is pertinent to good modelling.

The guidance given in AM11: 1998 has been followed in the production of this report.

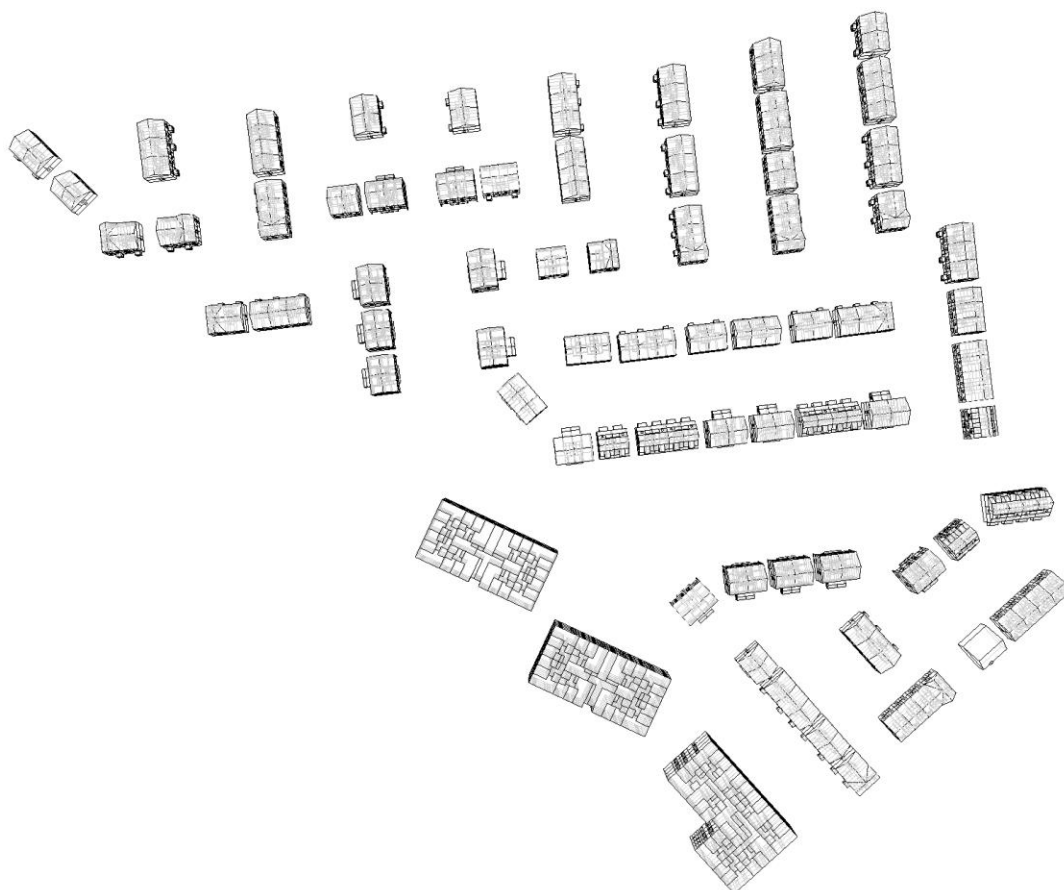


Figure 2. Top view of the proposed site from IES Thermal Model

3.0 SOFTWARE USED FOR DYNAMIC THERMAL SIMULATION

The simulation tool used for this investigation is IES Virtual Environment, Version 2023.2.0.0.

The calculation methodology adopted was full Dynamic Thermal Simulation over a period of 365 days with a 20 day pre-conditioning period.

The ApacheSim calculation engine was used and a full SunCast solar shading analysis was performed to ensure the local shading devices and overhangs were accurately reflected in the simulation.

ApacheSim is comprised of the following tools:

- Apache
- ApacheEngine
- Vista & VistaPro
- ApacheView
- ApachePro
- ApacheLocate
- Constructions Database



Calculations are based on first-principles models of heat transfer process and are driven by real weather data.

Data Entry Options

- Extensive database of global weather
- Data detailing layer-by-layer thermo-physical properties of building elements
- Comprehensive data on glazing systems including angle-dependent transmissivity and absorptivity
- Sensible and latent gains from lights, equipment and occupants
- Natural ventilation, mechanical ventilation and infiltration
- Plant operation profiles
- Plant efficiency and fuel characteristics
- Powerful facilities for assigning and editing time-varying room data such as plant, casual gains and air exchanges
- Database of constructions
- Time-series profiles
- Tabular Edit feature for Building Template Manager & NCM (for UK Part L)
- Tabular Edit interface for entering properties of thermal templates, room thermal properties, HVAC systems and constructions. Gives ability to quickly enter data, review inputs and includes option to export and import *.csv files (e.g. Excel)
- Faster project setup using Master Template and Design Options features. The Master Templates feature delivers bulk data copying & rapid automatic seeding of data in to a project while the Design Option feature provides a means to make specific and targeted changes to specified data in a project

Analysis options

- User-controlled time steps down to 1 minute
- Idealised or detailed HVAC plant modeling
- Options for natural and mechanical ventilation; specify flows in advance or calculate using MacroFlo and ApacheHVAC

- Choice of models for internal and external convection

RadianceIES – Day Lighting and Electric Lighting Simulation

RADIANCE is a computer software package developed by the Lighting Systems Research Group at Lawrence Berkley Laboratory in California, USA. It was developed as a research tool to accurately calculate and predict the visible radiation within a space. Radiance is internationally recognised as one of the leading lighting simulation tools available. Using a 3-dimensional geometrical model of the physical environment Radiance produces a map of spectral radiance values in a photo-realistic image.

Radiance can be categorised as a “ray-tracing” algorithm, which tracks rays of light backwards from the “eye” to the “focus” of the scene. This contrasts with the “radiosity” technique where the exchange of energy between surface matches is matched.

SunCast – Solar Shading Analysis

SunCast is used to perform shading and solar insolation studies. It can be used to investigate:

- External obstruction and self-shading of a building.
- Solar mapping through windows and openings.
- The effects of changing orientation of building.

SunCast generates shadows and internal solar insolation from any sun position defined by date, time, orientation, site latitude and longitude. This shadow information can be stored for subsequent analysis by:

- Viewing shadows from any eye position.
- Animating the solar analyses by generating a sequence of images and creating an *.avi movie.
- Making opaque surfaces “transparent” to permit the user to better view the solar insolation on internal surfaces e.g. “removing” roofs or surfaces to identify internal solar insolation paths.
- Displaying solar surface shading/insolation statistics.
- Output data for thermal simulation.

SunCast can be used in a variety of studies including passive solar design and is essential at the planning stage to visualize the effect of the building on surrounding buildings. SunCast has also been used to study problems such as grass growth in sports stadia and ‘right of light’ issues.

MacroFlo – Multi Zone Air Movement

MacroFlo uses a multi-zone thermo-fluid solver to simulate bulk air flow driven by wind pressure and buoyancy forces. It allows analysis of problems involving infiltration, natural ventilation and mechanical ventilation. Typical applications include:

- Evaluation of natural ventilation solutions (including Advanced Natural Ventilation and Mixed-mode systems).
- Evaluation of ventilation control strategies.
- An understanding of the performance of double-skin façades.
- Analysis of room temperature statistics in naturally ventilated buildings (simulation of overheating risk).
- Predictions of air velocities through openings.
- Analysis of HVAC systems where the building is used as a return air pathway.

4.0 RELEVANT THERMAL COMFORT CRITERIA

Approved Document O – Overheating has been produced to support Part O of Schedule 1 to the Building Regulations 2010. The approved document came into effect on June 15th 2022 for use in England.

Building Regulation O1 Requirement:

Requirement	
<i>Requirement</i>	<i>Limits on application</i>
O1 Overheating mitigation	
(1) Reasonable provision must be made in respect of a dwelling, institution or any other building containing one or more rooms for residential purposes, other than a room in a hotel ("residences") to—	
(a) limit unwanted solar gains in summer;	
(b) provide an adequate means to remove heat from the indoor environment.	
(2) In meeting the obligations in paragraph (1)—	
(a) account must be taken of the safety of any occupant, and their reasonable enjoyment of the residence; and	
(b) mechanical cooling may only be used where insufficient heat is capable of being removed from the indoor environment without it.	

Figure 2. Extract from The Building Regulations England

To demonstrate compliance with Regulation O1 using the dynamic thermal modelling method, all of the following guidance should be followed:

- CIBSE's TM59 methodology for predicting overheating risk.
- The limits on the use of CIBSE's TM59 methodology set out in paragraphs 2.5 and 2.6 of ADO.
- The acceptable strategies for reducing overheating risk in paragraphs 2.7 to 2.11 of ADO.

Table 1.5 of CIBSE Guide A recommends summer and winter comfort criteria for building spaces which can be used to determine whether acceptable internal temperatures can be achieved.

Building/room type	Winter operative temp. range for stated activity and clothing levels			Summer operative temp. range (air conditioned buildings†) for stated activity and clothing levels		
	Temp. /°C	Activity /met	Clothing /clo	Temp. /°C	Activity /met	Clothing /clo
<i>Dwellings:</i>						
— <i>bathrooms</i>	20-22	-	-	23-25	-	-
— <i>bedrooms</i>	17-19	0.9	2.5	23-25	0.9	1.2
— <i>halls/stairs/landings</i>	19-24	-	-	21-25	-	-
— <i>kitchens</i>	17-19	1.6	1.0	21-25	1.5	0.5
— <i>living rooms</i>	22-23	1.1	1.0	21-25	1.1	0.6
— <i>toilets</i>	19-21	-	-	21-25	1.1	0.6

The CIBSE criteria for homes predominantly naturally ventilated outlined in Section 4.2 of CIBSE TM59 (2017) is applicable to all non-acoustically affected habitable rooms: Both of the following criteria must be met in all relevant rooms for the dwelling to pass:



- (a) For living rooms, kitchens and bedrooms: the number of hours during which DT is greater than or equal to one degree (K) during the period May to September inclusive shall not be more than 3 per cent of occupied hours. (CIBSE TM52 Criterion 1: Hours of exceedance).
- (b) For bedrooms only: to guarantee comfort during the sleeping hours the operative temperature in the bedroom from 10 pm to 7 am shall not exceed 26 °C for more than 1% of annual hours. (Note: 1% of the annual hours between 22:00 and 07:00 for bedrooms is 32 hours, so 33 or more hours above 26 °C will be recorded as a fail).

The CIBSE criteria for homes predominantly mechanically ventilated outlined in Section 4.3 of CIBSE TM59 (2017) is applicable to all acoustically affected habitable rooms: All occupied rooms should not exceed an operative temperature of 26°C for more than 3% of the annual occupied annual hours.

Dwellings are to be assessed against TM52 thermal comfort Category II.

5.0 RELEVANT SIMULATION DATA

Weather Data

To demonstrate adaptability to a current climate scenario the Manchester_DSY1_2020_High Emissions_50% percentile scenario has been applied as per guidance in Section 3.2 of *CIBSE TM59 - Design methodology for the assessment of overheating risk in homes*. This represents a predicted warmer than average summer based in historic measured data for the region.

General Performance Criteria

Building Element	Value	Unit
External Wall – Timber Frame	0.19	W/m ² .K
External Wall – Full Fill	0.19	W/m ² .K
External Wall – Wall to Corridors	0.26	W/m ² .K
Ground Floor – Jetfloor	0.10 to 0.12	W/m ² .K
Exposed Floor – Over Garage	0.16	W/m ² .K
External Roof – Plane	0.10	W/m ² .K
External Roof – Sloping	0.13	W/m ² .K
External Roof – Bay Roof	0.14	W/m ² .K
External Roof – Dormer Roof	0.25	W/m ² .K
External Roof – Flat Roof	0.14	W/m ² .K
Glazing (Windows, French Doors, and Bi Fold Doors)	1.30	W/m ² .K
Glazing (Windows, French Doors, and Bi Fold Doors) g-value	63	%
Front Door	1.30	W/m ² .K
Rear and Half Glazed Doors	1.30	W/m ² .K

Thermal Mass Analysis

Building Element	Thermal Mass, Cm	Value	Thermal Mass Classification
External Wall	60.0	kJ/(m ² .K)	Very Lightweight
Internal Partition	24.9	kJ/(m ² .K)	Very Lightweight
External Roof	65.7	kJ/(m ² .K)	Very Lightweight
External Floor	133.1	kJ/(m ² .K)	Very Lightweight
Intermediate Floor	79.0	kJ/(m ² .K)	Very Lightweight

General Infiltration

This ventilation profile is considered to run continuously. The assumed ventilation rate is 0.25 air changes per hour.

The condition of the supply air is External.

Natural Ventilation

Dwellings acoustically affected by the adjacent railway have openable windows, but because they cannot be relied upon for ventilation and as such have been modelled as 'always closed' for the purpose of this investigation.

The Noise and Vibration Impact Assessment Report 50-636-R1-5, produced by E3P, August 2023 has identified all acoustically affected elevations (highlighted red in Figure 3).



Figure 3. Site Layout Showing Acoustically Affected Elevations, image taken from E3P Report 50-636-R1-5

Natural ventilation is the primary means of ventilation in in all dwellings without acoustic restrictions. All occupied perimeter rooms shall have manually controlled windows.

Side-hung opening windows are currently modelled with a 90% openable area and a maximum opening angle of 90°.

Side-hung opening windows are currently modelled with a 90% openable area and a maximum opening angle of 60°.

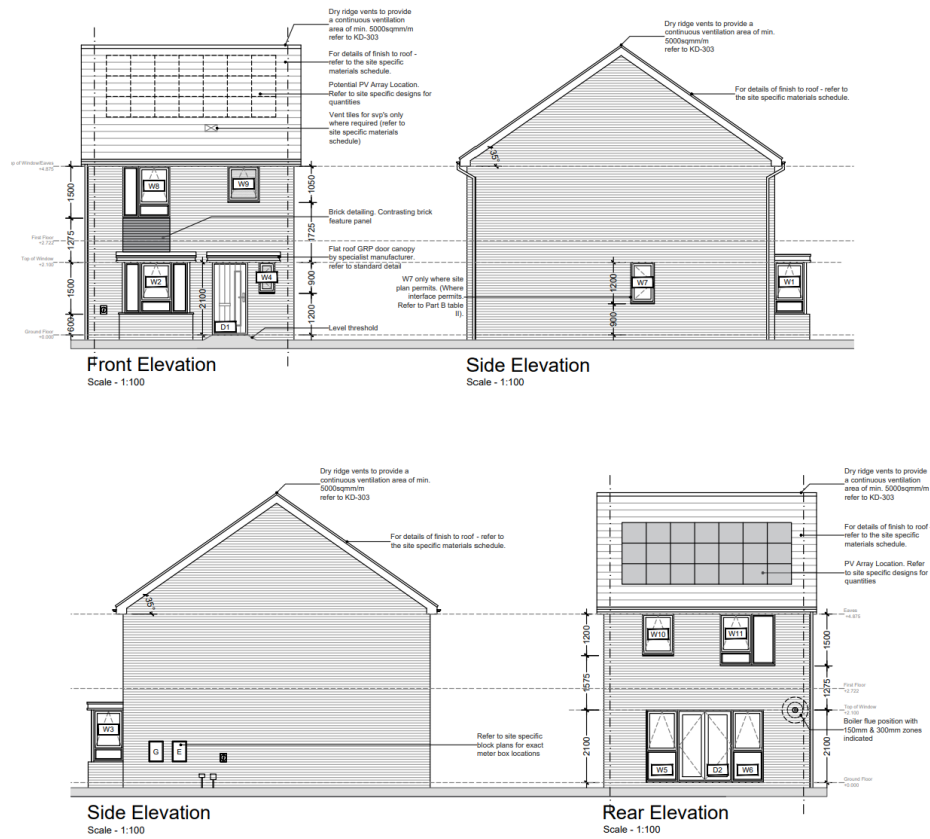


Figure 5. House Type: Cedar, Elevations

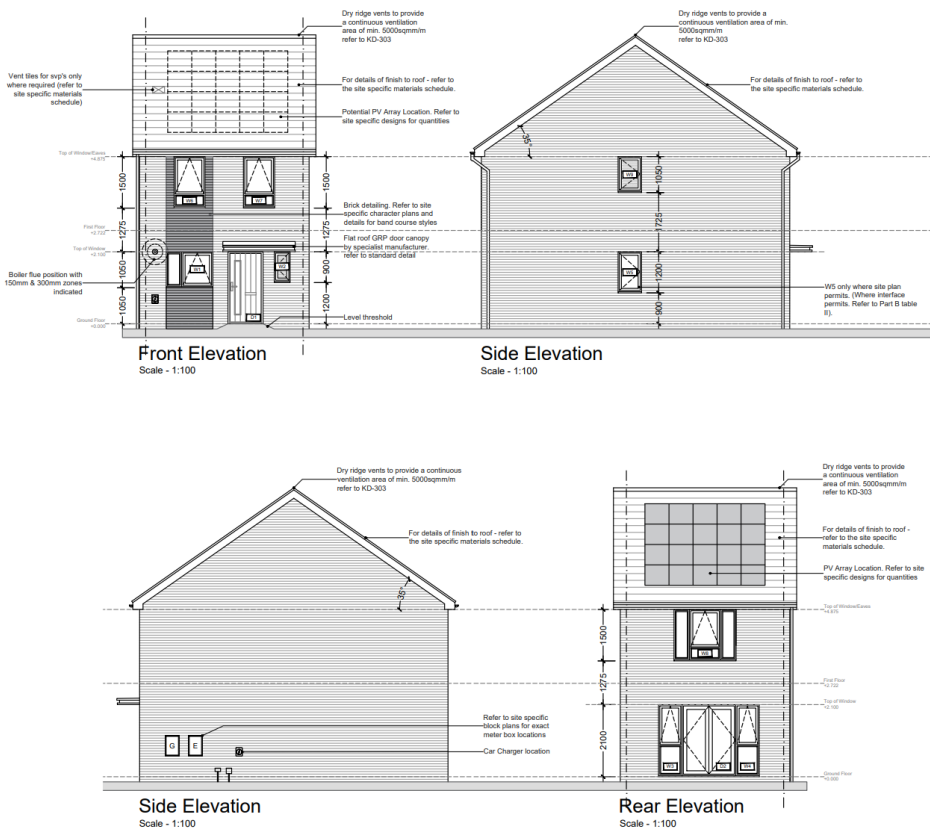


Figure 6. House Type: Hickory, Elevations

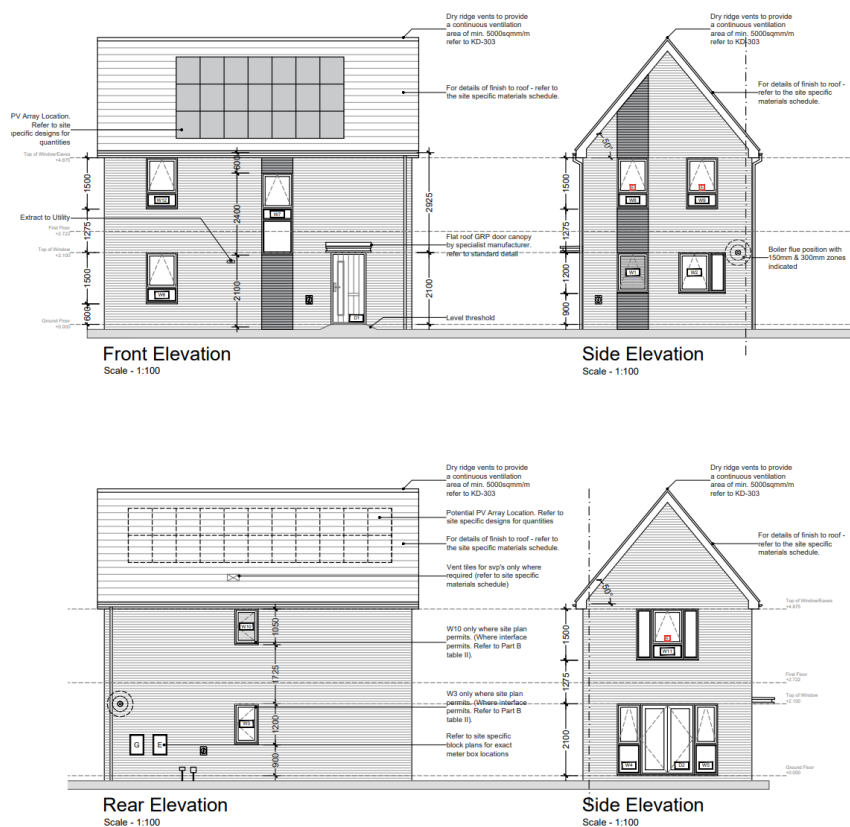
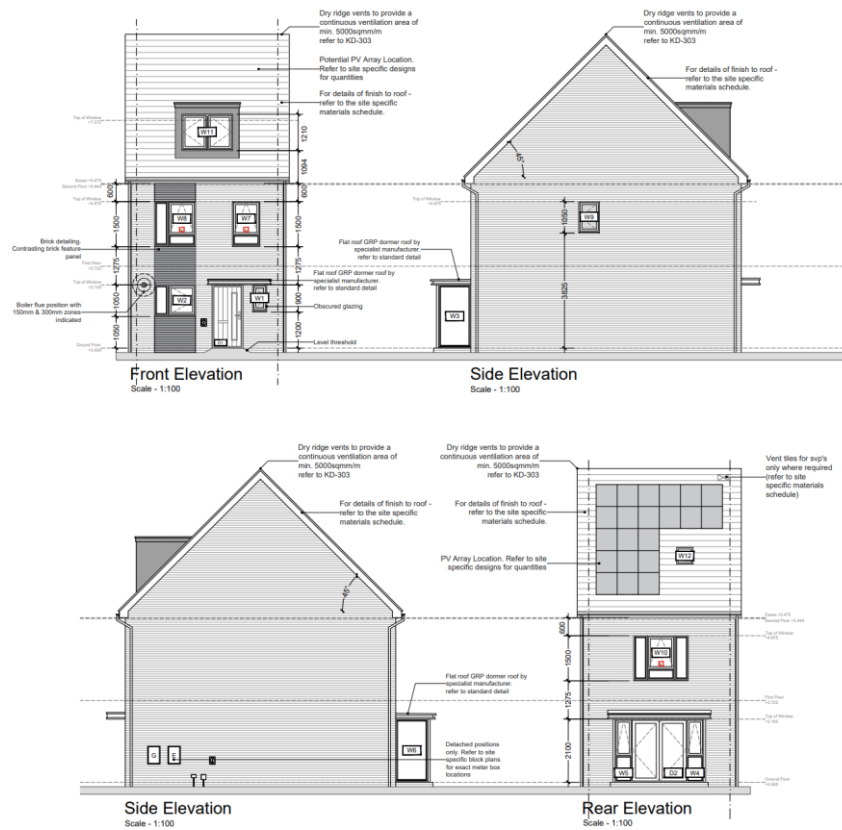






Figure 11. L-shaped Apartments, Elevations 02

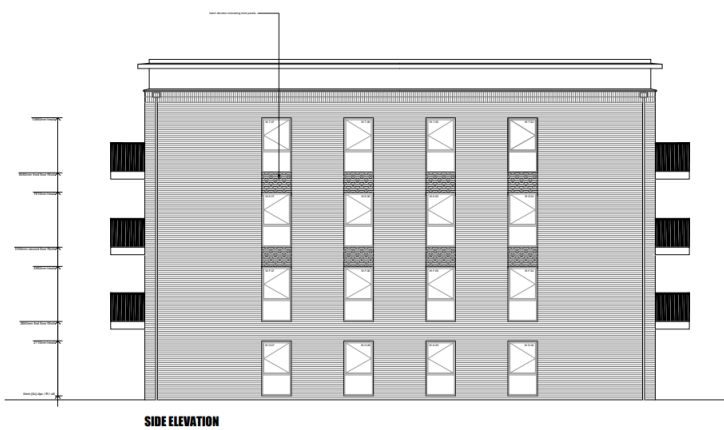


Figure 12. Straight Apartments, Elevations 01



Figure 13. Straight Apartments, Elevations 02

Mechanical ventilation

Each non-acoustically affected dwelling has a Vent Axia Lo-Carbon PoziDry Pro positive input ventilation unit to continually supply filtered fresh air into the building to meet minimum Part F ventilation requirements. Airflow is dependent on the number of bedrooms.

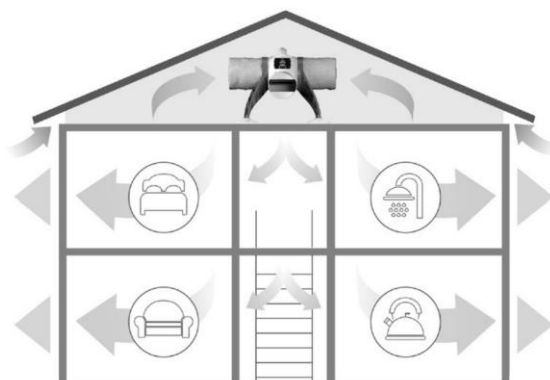


Figure 14. Vent Axia Lo-Carbon PoziDry Pro, Installation Example

Bedroom	Trickle		Energy Recovery	
	Flow Rate (l/s)	Power (W)	Flow Rate (l/s)	Power (W)
1	19	3.1	29	5.1
2	25	4.3	37	7.6
3	31	6.0	46	12.0
4	37	8.0	49	13.1
Adjustable	19-48	-	20-49	-

Acoustically affected bedrooms have been modelled with a mechanical extract ventilation rate of 30 l/s.

Acoustically affected Living and Kitchen/Dining spaces have been modelled with a mechanical extract ventilation rate of 4ACH.

In addition to having openable windows and patio doors, non-acoustically affected apartments with dual-aspect Kitchen/Living/Dining (APT.03 and APT.06 on each floor) have been modelled with a mechanical extract ventilation rate of 30 l/s.

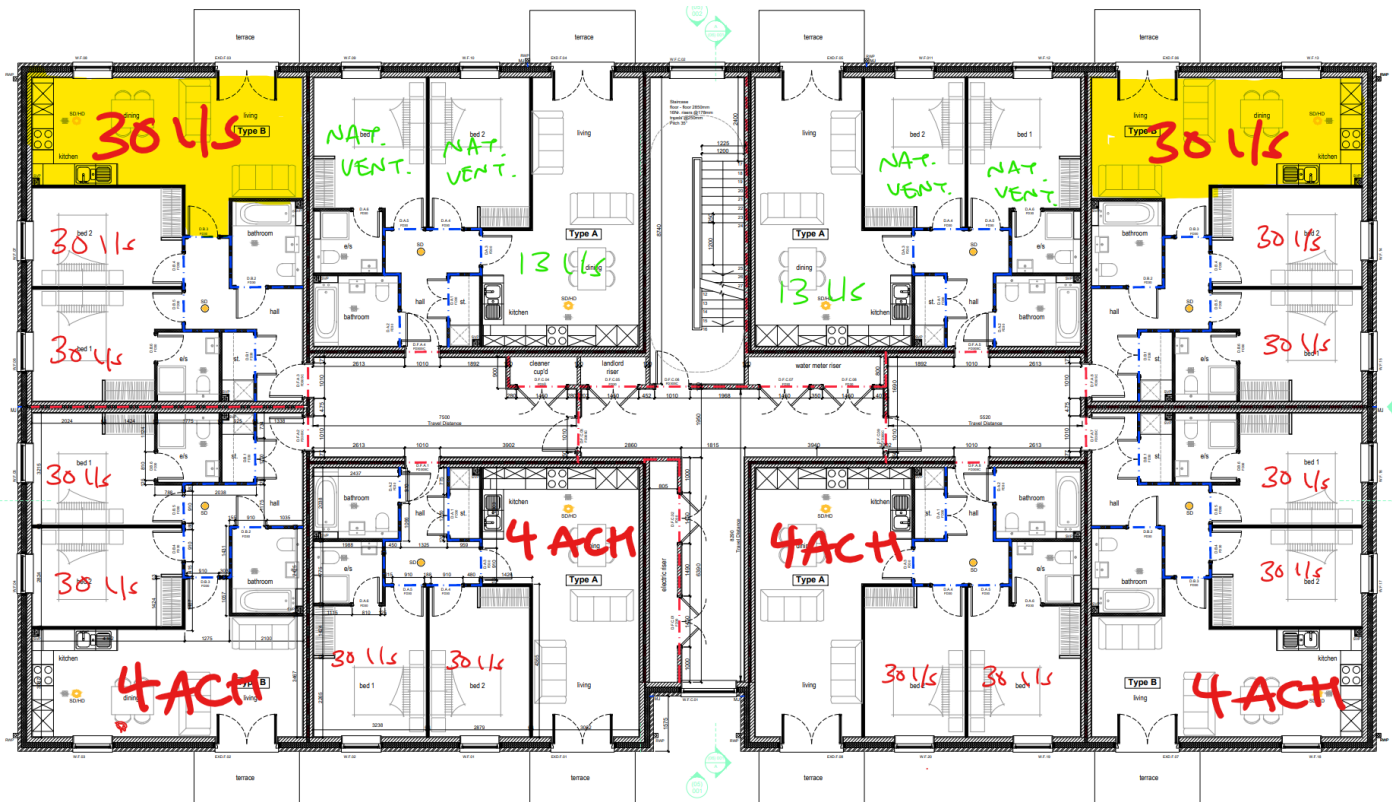


Figure 15. Mechanical Ventilation rates for apartments in Blocks 2 and 3

Internal Shading Devices

In line with Section 2.8 of Approved Document Part O (2021), internal curtains and blinds have not been taken into consideration when assessing the overheating risk of this development.

Internal Gains

Figure 1 of CIBSE TM59 provides guidance on the typical peak equipment gains which can be expected in modern dwellings.

Room Type	Watts
Bedroom	80
Kitchen/Living/Dining	450
Living	150
Kitchen/Dining	300

All internal gains are controlled by specific modulating profiles which are used to represent the equipment heat gain into the space as it varies throughout the day. These profiles are taken directly from Figure 1 of CIBSE TM59.

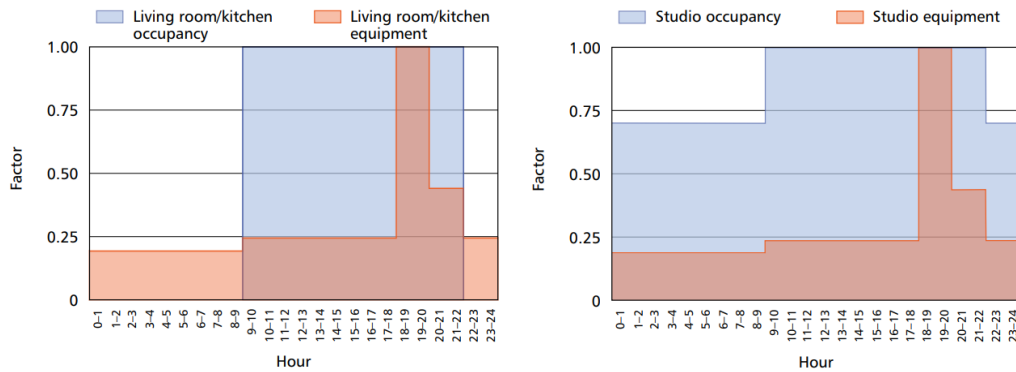


Figure 16. Heat gain profile for Kitchen/Living, and Heat gain profile for Studio

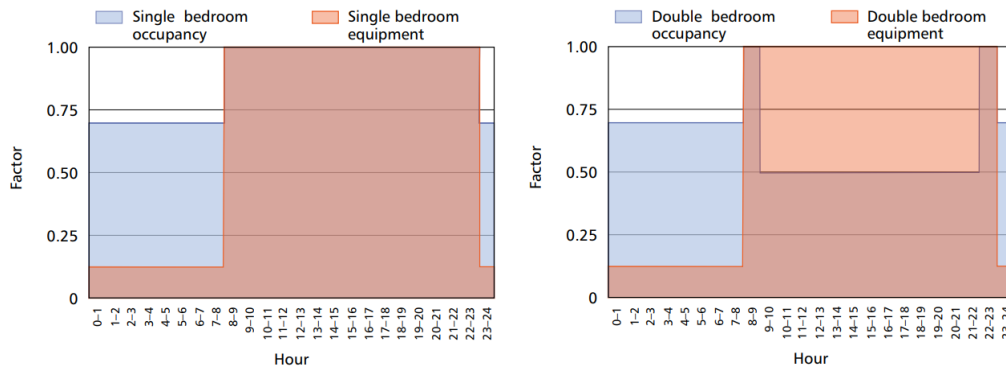


Figure 17. Heat gain profile Single Bedroom, and Heat gain profile for Double Bedroom

The occupancy gain is based on the CIBSE figures of 75W Sensible and 55W Latent per person. The number of occupants in each space and the variation profile for each is specified in Table 5.2 of CIBSE TM59 and summarised below:

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	0.7	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	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	1	0.7
2	Studio occupancy	150	110	0.7	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	0.7
1	1-bedroom living/kitchen occupancy	75	55	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
1	1-bedroom living occupancy	75	55	0	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
1	1-bedroom kitchen occupancy	75	55	0	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
2	2-bedroom living/kitchen occupancy	150	110	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
2	2-bedroom living occupancy	150	110	0	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
2	2-bedroom kitchen occupancy	150	110	0	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
3	3-bedroom living/kitchen occupancy	225	165	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
3	3-bedroom living occupancy	225	165	0	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
3	3-bedroom kitchen occupancy	225	165	0	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
	Single bedroom equipment	80		0.13	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	0.13
	Double bedroom equipment	80		0.13	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	0.13
	Studio equipment	450		0.19	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	1	1	0.44	0.44	0.24
	Living/litchen equipment	450		0.19	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	1	1	0.44	0.44	0.24
	Living equipment	150		0.23	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	1	1	1	1	0.4	
	Kitchen equipment	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	1	1	0.17	0.17	0.17	
	Lighting profile	2 (W/m2)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0

Figure 18. Heat gain profiles

The internal lighting gain is set globally as 2.0W/m² between 6pm and 11pm in line with Section 5.2 of TM59 (2017).

6.0 RESULTS FOR PREDOMINANTLY NATURALLY VENTILATED SPACES [CURRENT DSY]

ROOM NAME	Occupied Areas % Hrs $\Delta T > 1^\circ\text{K}$, <3% (criteria a)	Bedrooms No. Annual Hrs >26°C, 10pm to 7am, <33 (criteria b)	PASS/FAIL
001_CED_00_K/D	0.2	-	PASS
001_CED_00_LIVING	0.0	-	PASS
001_CED_01_BED 1	0.0	6.0	PASS
001_CED_01_BED 2	0.0	4.5	PASS
001_CED_01_BED 3	0.0	2.0	PASS
002_CED_00_K/D	0.2	-	PASS
002_CED_00_LIVING	0.0	-	PASS
002_CED_01_BED 1	0.0	6.0	PASS
002_CED_01_BED 2	0.0	4.5	PASS
002_CED_01_BED 3	0.0	2.0	PASS
003_CED_00_K/D	0.2	-	PASS
003_CED_00_LIVING	0.0	-	PASS
003_CED_01_BED 1	0.0	6.0	PASS
003_CED_01_BED 2	0.0	4.5	PASS
003_CED_01_BED 3	0.0	2.0	PASS
004_CED_00_K/D	0.1	-	PASS
004_CED_00_LIVING	0.1	-	PASS
004_CED_01_BED 1	0.0	6.5	PASS
004_CED_01_BED 2	0.0	5.5	PASS
004_CED_01_BED 3	0.0	2.0	PASS
005_ACA_00_K/D	0.2	-	PASS
005_ACA_00_LIVING	2.8	-	PASS
005_ACA_01_BED 1	0.0	4.5	PASS
005_ACA_01_BED 2	0.0	4.5	PASS
005_ACA_01_BED 3	0.0	2.5	PASS
006_CED_00_K/D	0.2	-	PASS
006_CED_00_LIVING	0.0	-	PASS
006_CED_01_BED 1	0.0	6.0	PASS
006_CED_01_BED 2	0.0	4.5	PASS
006_CED_01_BED 3	0.0	2.0	PASS



007_CED_00_K/D	0.1	-	PASS
007_CED_00_LIVING	0.0	-	PASS
007_CED_01_BED 1	0.0	6.0	PASS
007_CED_01_BED 2	0.0	5.0	PASS
007_CED_01_BED 3	0.0	2.0	PASS
008_CED_00_K/D	0.0	-	PASS
008_CED_00_LIVING	0.1	-	PASS
008_CED_01_BED 1	0.0	6.0	PASS
008_CED_01_BED 2	0.0	5.5	PASS
008_CED_01_BED 3	0.0	1.5	PASS
009_ACA_00_K/D	0.0	-	PASS
009_ACA_00_LIVING	2.7	-	PASS
009_ACA_01_BED 1	0.0	6.0	PASS
009_ACA_01_BED 2	0.0	3.5	PASS
009_ACA_01_BED 3	0.0	3.5	PASS
010_CED_00_K/D	0.0	-	PASS
010_CED_00_LIVING	0.2	-	PASS
010_CED_01_BED 1	0.0	4.5	PASS
010_CED_01_BED 2	0.0	6.0	PASS
010_CED_01_BED 3	0.0	1.5	PASS
011_CED_00_K/D	0.0	-	PASS
011_CED_00_LIVING	0.1	-	PASS
011_CED_01_BED 1	0.0	4.5	PASS
011_CED_01_BED 2	0.0	7.0	PASS
011_CED_01_BED 3	0.0	1.5	PASS
012_CED_00_K/D	0.0	-	PASS
012_CED_00_LIVING	0.2	-	PASS
012_CED_01_BED 1	0.0	4.5	PASS
012_CED_01_BED 2	0.0	6.0	PASS
012_CED_01_BED 3	0.0	1.5	PASS
013_CED_00_K/D	0.0	-	PASS
013_CED_00_LIVING	0.1	-	PASS
013_CED_01_BED 1	0.0	4.5	PASS
013_CED_01_BED 2	0.1	7.0	PASS
013_CED_01_BED 3	0.0	1.5	PASS

014_CED_00_K/D	0.0	-	PASS
014_CED_00_LIVING	0.1	-	PASS
014_CED_01_BED 1	0.0	4.5	PASS
014_CED_01_BED 2	0.0	6.0	PASS
014_CED_01_BED 3	0.0	1.5	PASS
015_CED_00_K/D	0.0	-	PASS
015_CED_00_LIVING	0.2	-	PASS
015_CED_01_BED 1	0.0	4.5	PASS
015_CED_01_BED 2	0.0	6.0	PASS
015_CED_01_BED 3	0.0	1.5	PASS
016_HIC_00_K/L/D	0.0	0.0	PASS
016_HIC_01_BED 1	0.0	4.5	PASS
016_HIC_01_BED 2	0.0	1.5	PASS
017_HIC_00_K/L/D	0.0	0.0	PASS
017_HIC_01_BED 1	0.0	4.5	PASS
017_HIC_01_BED 2	0.0	1.5	PASS
018_PAL_00_K/D	0.1	-	PASS
018_PAL_01_BED 2	0.0	10.0	PASS
018_PAL_01_LIVING	0.0	-	PASS
018_PAL_02_BED 1	0.0	1.5	PASS
018_PAL_02_BED 3	0.4	14.5	PASS
018_PAL_02_BED 4	0.0	4.0	PASS
019_PAL_00_K/D	0.0	-	PASS
019_PAL_01_BED 2	0.0	5.5	PASS
019_PAL_01_LIVING	0.0	-	PASS
019_PAL_02_BED 1	0.0	1.5	PASS
019_PAL_02_BED 3	0.0	8.5	PASS
019_PAL_02_BED 4	0.0	4.0	PASS
020_PAL_00_K/D	0.0	-	PASS
020_PAL_01_BED 2	0.0	6.5	PASS
020_PAL_01_LIVING	0.0	-	PASS
020_PAL_02_BED 1	0.0	1.0	PASS
020_PAL_02_BED 3	0.3	11.0	PASS
020_PAL_02_BED 4	0.0	4.0	PASS
021_PAL_00_K/D	0.0	-	PASS

021_PAL_01_BED 2	0.0	6.0	PASS
021_PAL_01_LIVING	0.0	-	PASS
021_PAL_02_BED 1	0.0	1.0	PASS
021_PAL_02_BED 3	0.0	8.5	PASS
021_PAL_02_BED 4	0.0	4.0	PASS
022_PAL_00_K/D	0.2	-	PASS
022_PAL_01_BED 2	0.0	6.0	PASS
022_PAL_01_LIVING	0.0	-	PASS
022_PAL_02_BED 1	0.0	1.0	PASS
022_PAL_02_BED 3	0.2	9.5	PASS
022_PAL_02_BED 4	0.0	4.0	PASS
023_PAL_00_K/D	0.0	-	PASS
023_PAL_01_BED 2	0.0	6.0	PASS
023_PAL_01_LIVING	0.0	-	PASS
023_PAL_02_BED 1	0.0	1.0	PASS
023_PAL_02_BED 3	0.0	8.5	PASS
023_PAL_02_BED 4	0.0	4.0	PASS
024_PAL_00_K/D	0.2	-	PASS
024_PAL_01_BED 2	0.0	6.0	PASS
024_PAL_01_LIVING	0.0	-	PASS
024_PAL_02_BED 1	0.0	1.0	PASS
024_PAL_02_BED 3	0.2	9.5	PASS
024_PAL_02_BED 4	0.0	4.0	PASS
025_PAL_00_K/D	0.0	-	PASS
025_PAL_01_BED 2	0.0	7.0	PASS
025_PAL_01_LIVING	0.0	-	PASS
025_PAL_02_BED 1	0.0	1.0	PASS
025_PAL_02_BED 3	0.1	10.0	PASS
025_PAL_02_BED 4	0.0	4.0	PASS
026_CED_00_K/D	0.6	-	PASS
026_CED_00_LIVING	0.0	-	PASS
026_CED_01_BED 1	0.0	11.5	PASS
026_CED_01_BED 2	0.0	3.0	PASS
026_CED_01_BED 3	0.0	3.5	PASS
027_CED_00_K/D	0.7	-	PASS



027_CED_00_LIVING	0.0	-	PASS
027_CED_01_BED 1	0.0	12.5	PASS
027_CED_01_BED 2	0.0	2.0	PASS
027_CED_01_BED 3	0.0	3.5	PASS
028_CED_00_K/D	0.7	-	PASS
028_CED_00_LIVING	0.0	-	PASS
028_CED_01_BED 1	0.0	13.0	PASS
028_CED_01_BED 2	0.0	3.0	PASS
028_CED_01_BED 3	0.0	4.0	PASS
029_PAL_00_K/D	0.1	-	PASS
029_PAL_01_BED 2	0.0	9.5	PASS
029_PAL_01_LIVING	0.0	-	PASS
029_PAL_02_BED 1	0.0	1.5	PASS
029_PAL_02_BED 3	0.4	14.5	PASS
029_PAL_02_BED 4	0.0	4.0	PASS
030_PAL_00_K/D	0.0	-	PASS
030_PAL_01_BED 2	0.0	6.5	PASS
030_PAL_01_LIVING	0.0	-	PASS
030_PAL_02_BED 1	0.0	1.5	PASS
030_PAL_02_BED 3	0.0	8.5	PASS
030_PAL_02_BED 4	0.0	4.0	PASS
032_LAR_00_K/L/D	0.0	-	PASS
032_LAR_01_BED 2	0.0	3.5	PASS
032_LAR_01_BED 3	0.0	4.0	PASS
032_LAR_02_BED 1	0.0	0.5	PASS
034_LAR_00_K/L/D	0.0	-	PASS
034_LAR_01_BED 2	0.0	3.5	PASS
034_LAR_01_BED 3	0.0	1.5	PASS
034_LAR_02_BED 1	0.0	0.5	PASS
035_LAR_00_K/L/D	0.0	-	PASS
035_LAR_01_BED 2	0.0	4.5	PASS
035_LAR_01_BED 3	0.0	1.5	PASS
035_LAR_02_BED 1	0.0	0.5	PASS
036_LAR_00_K/L/D	0.0	-	PASS
036_LAR_01_BED 2	0.0	4.5	PASS



036_LAR_01_BED 3	0.0	1.5	PASS
036_LAR_02_BED 1	0.0	0.5	PASS
037_LAR_00_K/L/D	0.0	-	PASS
037_LAR_01_BED 2	0.0	3.0	PASS
037_LAR_01_BED 3	0.1	5.5	PASS
037_LAR_02_BED 1	0.0	1.5	PASS
038_LAR_00_K/L/D	0.0	-	PASS
038_LAR_01_BED 2	0.0	46.0	PASS
038_LAR_01_BED 3	0.1	5.0	PASS
038_LAR_02_BED 1	0.0	5.0	PASS
039_HIC_00_K/L/D	0.0	0.0	PASS
039_HIC_01_BED 1	0.0	5.0	PASS
039_HIC_01_BED 2	0.0	1.5	PASS
040_HIC_00_K/L/D	0.0	0.0	PASS
040_HIC_01_BED 1	0.0	5.5	PASS
040_HIC_01_BED 2	0.0	1.5	PASS
041_HIC_00_K/L/D	0.0	0.0	PASS
041_HIC_01_BED 1	0.0	5.5	PASS
041_HIC_01_BED 2	0.0	1.5	PASS
042_HIC_00_K/L/D	0.0	0.0	PASS
042_HIC_01_BED 1	0.0	5.0	PASS
042_HIC_01_BED 2	0.0	1.5	PASS
043_HIC_00_K/L/D	0.0	0.0	PASS
043_HIC_01_BED 1	0.0	5.0	PASS
043_HIC_01_BED 2	0.0	1.5	PASS
044_HIC_00_K/L/D	0.0	0.0	PASS
044_HIC_01_BED 1	0.0	5.0	PASS
044_HIC_01_BED 2	0.0	1.5	PASS
045_HIC_00_K/L/D	0.0	0.5	PASS
045_HIC_01_BED 1	0.0	5.0	PASS
045_HIC_01_BED 2	0.0	1.5	PASS
046_CED_00_K/D	0.0	-	PASS
046_CED_00_LIVING	0.2	-	PASS
046_CED_01_BED 1	0.0	8.0	PASS
046_CED_01_BED 2	0.1	7.0	PASS



046_CED_01_BED 3	0.0	2.5	PASS
047_CED_00_K/D	0.0	-	PASS
047_CED_00_LIVING	0.1	-	PASS
047_CED_01_BED 1	0.0	6.5	PASS
047_CED_01_BED 2	0.1	6.0	PASS
047_CED_01_BED 3	0.0	2.0	PASS
048_CED_00_K/D	0.0	-	PASS
048_CED_00_LIVING	0.1	-	PASS
048_CED_01_BED 1	0.0	6.5	PASS
048_CED_01_BED 2	0.1	6.0	PASS
048_CED_01_BED 3	0.0	2.5	PASS
049_ACA_00_K/D	0.4	-	PASS
049_ACA_00_LIVING	2.9	-	PASS
049_ACA_01_BED 1	0.1	21.5	PASS
049_ACA_01_BED 2	0.0	3.0	PASS
049_ACA_01_BED 3	0.0	8.0	PASS
050_CED_00_K/D	0.0	-	PASS
050_CED_00_LIVING	0.1	-	PASS
050_CED_01_BED 1	0.0	6.0	PASS
050_CED_01_BED 2	0.1	6.0	PASS
050_CED_01_BED 3	0.0	2.5	PASS
051_CED_00_K/D	0.0	-	PASS
051_CED_00_LIVING	0.1	-	PASS
051_CED_01_BED 1	0.0	8.0	PASS
051_CED_01_BED 2	0.1	6.5	PASS
051_CED_01_BED 3	0.0	2.5	PASS
052_CED_00_K/D	0.0	-	PASS
052_CED_00_LIVING	0.1	-	PASS
052_CED_01_BED 1	0.0	6.5	PASS
052_CED_01_BED 2	0.1	5.5	PASS
052_CED_01_BED 3	0.0	2.0	PASS
053_CED_00_K/D	0.0	-	PASS
053_CED_00_LIVING	0.1	-	PASS
053_CED_01_BED 1	0.0	6.5	PASS
053_CED_01_BED 2	0.1	6.0	PASS

053_CED_01_BED 3	0.0	2.5	PASS
054_HIC_00_K/L/D	0.0	0.0	PASS
054_HIC_01_BED 1	0.0	5.0	PASS
054_HIC_01_BED 2	0.0	1.5	PASS
055_HIC_00_K/L/D	0.0	0.0	PASS
055_HIC_01_BED 1	0.0	5.5	PASS
055_HIC_01_BED 2	0.0	1.5	PASS
056_HIC_00_K/L/D	0.0	0.0	PASS
056_HIC_01_BED 1	0.0	5.5	PASS
056_HIC_01_BED 2	0.0	1.5	PASS
057_HIC_00_K/L/D	0.0	0.0	PASS
057_HIC_01_BED 1	0.0	5.0	PASS
057_HIC_01_BED 2	0.0	1.5	PASS
058_CED_00_K/D	0.0	-	PASS
058_CED_00_LIVING	0.2	-	PASS
058_CED_01_BED 1	0.0	8.0	PASS
058_CED_01_BED 2	0.1	7.0	PASS
058_CED_01_BED 3	0.0	2.5	PASS
059_CED_00_K/D	0.0	-	PASS
059_CED_00_LIVING	0.1	-	PASS
059_CED_01_BED 1	0.0	6.5	PASS
059_CED_01_BED 2	0.1	6.0	PASS
059_CED_01_BED 3	0.0	2.5	PASS
060_HIC_00_K/L/D	0.1	0.5	PASS
060_HIC_01_BED 1	0.0	8.5	PASS
060_HIC_01_BED 2	0.0	1.0	PASS
062_HIC_00_K/L/D	0.3	0.5	PASS
062_HIC_01_BED 1	0.1	10.5	PASS
062_HIC_01_BED 2	0.0	1.0	PASS
063_CED_00_K/D	0.6	-	PASS
063_CED_00_LIVING	0.0	-	PASS
063_CED_01_BED 1	0.1	10.5	PASS
063_CED_01_BED 2	0.0	3.5	PASS
063_CED_01_BED 3	0.0	3.5	PASS
064_CED_00_K/D	0.6	-	PASS

064_CED_00_LIVING	0.0	-	PASS
064_CED_01_BED 1	0.1	10.0	PASS
064_CED_01_BED 2	0.0	3.5	PASS
064_CED_01_BED 3	0.0	3.5	PASS
065_CED_00_K/D	0.6	-	PASS
065_CED_00_LIVING	0.0	-	PASS
065_CED_01_BED 1	0.1	11.5	PASS
065_CED_01_BED 2	0.0	3.5	PASS
065_CED_01_BED 3	0.0	3.5	PASS
066_CED_00_K/D	0.6	-	PASS
066_CED_00_LIVING	0.0	-	PASS
066_CED_01_BED 1	0.1	10.5	PASS
066_CED_01_BED 2	0.0	3.5	PASS
066_CED_01_BED 3	0.0	3.5	PASS
068_CED_00_K/D	0.7	-	PASS
068_CED_00_LIVING	0.0	-	PASS
068_CED_01_BED 1	0.1	10.5	PASS
068_CED_01_BED 2	0.0	3.5	PASS
068_CED_01_BED 3	0.0	3.5	PASS
069_CED_00_K/D	0.6	-	PASS
069_CED_00_LIVING	0.0	-	PASS
069_CED_01_BED 1	0.1	10.5	PASS
069_CED_01_BED 2	0.0	3.5	PASS
069_CED_01_BED 3	0.0	4.5	PASS
070_ACA_00_K/D	0.7	-	PASS
070_ACA_00_LIVING	2.7	-	PASS
070_ACA_01_BED 1	0.0	46.5	PASS
070_ACA_01_BED 2	0.0	5.0	PASS
070_ACA_01_BED 3	0.0	5.0	PASS
071_ACA_00_K/D	0.3	-	PASS
071_ACA_00_LIVING	2.9	-	PASS
071_ACA_01_BED 1	0.1	0.0	PASS
071_ACA_01_BED 2	0.0	3.5	PASS
071_ACA_01_BED 3	0.0	2.0	PASS
071_HIC_00_K/L/D	0.1	0.5	PASS



071_HIC_01_BED 1	0.0	9.0	PASS
071_HIC_01_BED 2	0.0	1.0	PASS
072_CED_00_K/D	0.0	-	PASS
072_CED_00_LIVING	0.1	-	PASS
072_CED_01_BED 1	0.0	6.0	PASS
072_CED_01_BED 2	0.1	6.0	PASS
072_CED_01_BED 3	0.0	2.5	PASS
073_CED_00_K/D	0.0	-	PASS
073_CED_00_LIVING	0.1	-	PASS
073_CED_01_BED 1	0.0	5.5	PASS
073_CED_01_BED 2	0.1	6.0	PASS
073_CED_01_BED 3	0.0	2.5	PASS
074_CED_00_K/D	0.0	-	PASS
074_CED_00_LIVING	0.2	-	PASS
074_CED_01_BED 1	0.0	8.0	PASS
074_CED_01_BED 2	0.1	7.0	PASS
074_CED_01_BED 3	0.0	2.5	PASS
075_CED_00_K/D	0.0	-	PASS
075_CED_00_LIVING	0.1	-	PASS
075_CED_01_BED 1	0.0	6.0	PASS
075_CED_01_BED 2	0.1	6.0	PASS
075_CED_01_BED 3	0.0	2.0	PASS
076_CED_00_K/D	0.6	-	PASS
076_CED_00_K/D	0.0	-	PASS
076_CED_00_LIVING	0.1	-	PASS
076_CED_00_LIVING	0.0	-	PASS
076_CED_01_BED 1	0.1	11.5	PASS
076_CED_01_BED 1	0.0	5.5	PASS
076_CED_01_BED 2	0.0	3.5	PASS
076_CED_01_BED 2	0.1	6.0	PASS
076_CED_01_BED 3	0.0	2.0	PASS
076_CED_01_BED 3	0.0	3.5	PASS
077_CED_00_K/D	0.0	-	PASS
077_CED_00_LIVING	0.2	-	PASS
077_CED_01_BED 1	0.0	8.0	PASS

077_CED_01_BED 2	0.1	6.5	PASS
077_CED_01_BED 3	0.0	2.5	PASS
078_CED_00_K/D	0.0	-	PASS
078_CED_00_LIVING	0.1	-	PASS
078_CED_01_BED 1	0.0	6.5	PASS
078_CED_01_BED 2	0.1	6.0	PASS
078_CED_01_BED 3	0.0	2.0	PASS
079_CED_00_K/D	0.0	-	PASS
079_CED_00_LIVING	0.1	-	PASS
079_CED_01_BED 1	0.0	6.5	PASS
079_CED_01_BED 2	0.1	6.0	PASS
079_CED_01_BED 3	0.0	2.5	PASS
080_CED_00_K/D	0.7	-	PASS
080_CED_00_LIVING	0.0	-	PASS
080_CED_01_BED 1	0.1	11.0	PASS
080_CED_01_BED 2	0.0	3.5	PASS
080_CED_01_BED 3	0.0	4.0	PASS
081_CED_00_K/D	0.7	-	PASS
081_CED_00_LIVING	0.0	-	PASS
081_CED_01_BED 1	0.1	11.0	PASS
081_CED_01_BED 2	0.0	3.5	PASS
081_CED_01_BED 3	0.0	3.5	PASS
082_CED_00_K/D	0.6	-	PASS
082_CED_00_LIVING	0.0	-	PASS
082_CED_01_BED 1	0.1	11.5	PASS
082_CED_01_BED 2	0.0	4.0	PASS
082_CED_01_BED 3	0.0	3.5	PASS
083_HIC_00_K/L/D	0.1	0.5	PASS
083_HIC_01_BED 1	0.0	8.5	PASS
083_HIC_01_BED 2	0.0	1.0	PASS
084_HIC_00_K/L/D	0.1	0.5	PASS
084_HIC_01_BED 1	0.1	11.0	PASS
084_HIC_01_BED 2	0.0	1.0	PASS
085_HIC_00_K/L/D	0.1	0.5	PASS
085_HIC_01_BED 1	0.1	11.0	PASS

085_HIC_01_BED 2	0.0	1.0	PASS
086_HIC_00_K/L/D	0.3	0.5	PASS
086_HIC_01_BED 1	0.1	12.0	PASS
086_HIC_01_BED 2	0.0	1.0	PASS
087_OLI_00_K/L/D	0.0	-	PASS
087_OLI_01_BED 1	0.0	1.5	PASS
087_OLI_01_BED 2	0.0	0.5	PASS
088_HIC_00_K/L/D	0.0	0.0	PASS
088_HIC_01_BED 1	0.0	3.5	PASS
088_HIC_01_BED 2	0.0	1.5	PASS
089_HIC_00_K/L/D	0.0	0.0	PASS
089_HIC_01_BED 1	0.0	3.5	PASS
089_HIC_01_BED 2	0.0	1.5	PASS
090_HIC_00_K/L/D	0.0	0.0	PASS
090_HIC_01_BED 1	0.0	3.5	PASS
090_HIC_01_BED 2	0.0	1.5	PASS
091_PAL_00_K/D	0.0	-	PASS
091_PAL_01_BED 2	0.0	7.5	PASS
091_PAL_01_LIVING	0.4	-	PASS
091_PAL_02_BED 1	0.2	1.5	PASS
091_PAL_02_BED 3	0.0	10.0	PASS
091_PAL_02_BED 4	0.0	2.5	PASS
092_PAL_00_K/D	0.0	-	PASS
092_PAL_01_BED 2	0.0	4.0	PASS
092_PAL_01_LIVING	0.3	-	PASS
092_PAL_02_BED 1	0.2	1.5	PASS
092_PAL_02_BED 3	0.0	7.0	PASS
092_PAL_02_BED 4	0.0	2.5	PASS
093_CED_00_K/D	0.0	-	PASS
093_CED_00_LIVING	0.1	-	PASS
093_CED_01_BED 1	0.0	3.5	PASS
093_CED_01_BED 2	0.0	5.5	PASS
093_CED_01_BED 3	0.0	1.5	PASS
094_CED_00_K/D	0.0	-	PASS
094_CED_00_LIVING	0.2	-	PASS

094_CED_01_BED 1	0.0	3.5	PASS
094_CED_01_BED 2	0.0	5.5	PASS
094_CED_01_BED 3	0.0	1.5	PASS
095_PAL_00_K/D	0.0	-	PASS
095_PAL_01_BED 2	0.0	3.0	PASS
095_PAL_01_LIVING	0.0	-	PASS
095_PAL_02_BED 1	0.0	1.5	PASS
095_PAL_02_BED 3	0.0	5.5	PASS
095_PAL_02_BED 4	0.0	1.5	PASS
096_PAL_00_K/D	0.1	-	PASS
096_PAL_01_BED 2	0.0	3.0	PASS
096_PAL_01_LIVING	0.0	-	PASS
096_PAL_02_BED 1	0.0	1.5	PASS
096_PAL_02_BED 3	0.0	6.5	PASS
096_PAL_02_BED 4	0.0	1.5	PASS
097_CED_00_K/D	0.0	-	PASS
097_CED_00_LIVING	0.2	-	PASS
097_CED_01_BED 1	0.0	8.0	PASS
097_CED_01_BED 2	0.1	6.5	PASS
097_CED_01_BED 3	0.0	2.0	PASS
098_CED_00_K/D	0.0	-	PASS
098_CED_00_LIVING	0.1	-	PASS
098_CED_01_BED 1	0.0	5.5	PASS
098_CED_01_BED 2	0.1	6.0	PASS
098_CED_01_BED 3	0.0	2.0	PASS
099_CED_00_K/D	0.8	-	PASS
099_CED_00_LIVING	0.0	-	PASS
099_CED_01_BED 1	0.1	11.0	PASS
099_CED_01_BED 2	0.0	3.5	PASS
099_CED_01_BED 3	0.0	3.5	PASS
100_CED_00_K/D	0.8	-	PASS
100_CED_00_LIVING	0.0	-	PASS
100_CED_01_BED 1	0.1	12.5	PASS
100_CED_01_BED 2	0.0	3.5	PASS
100_CED_01_BED 3	0.0	3.5	PASS



101_PAL_00_K/D	0.0	-	PASS
101_PAL_01_BED 2	0.0	2.5	PASS
101_PAL_01_LIVING	0.0	-	PASS
101_PAL_02_BED 1	0.0	1.5	PASS
101_PAL_02_BED 3	0.0	5.5	PASS
101_PAL_02_BED 4	0.0	1.5	PASS
102_PAL_00_K/D	0.1	-	PASS
102_PAL_01_BED 2	0.0	3.0	PASS
102_PAL_01_LIVING	0.0	-	PASS
102_PAL_02_BED 1	0.0	1.5	PASS
102_PAL_02_BED 3	0.0	6.5	PASS
102_PAL_02_BED 4	0.0	1.5	PASS
103_HIC_00_K/L/D	0.0	0.0	PASS
103_HIC_01_BED 1	0.0	3.5	PASS
103_HIC_01_BED 2	0.0	1.5	PASS
104_HIC_00_K/L/D	0.0	0.0	PASS
104_HIC_01_BED 1	0.0	3.5	PASS
104_HIC_01_BED 2	0.0	1.5	PASS
105_ACA_01_BED 2	0.0	0.0	PASS
107_CED_00_K/D	0.0	-	PASS
107_CED_00_LIVING	0.1	-	PASS
107_CED_01_BED 1	0.0	6.5	PASS
107_CED_01_BED 2	0.1	6.0	PASS
107_CED_01_BED 3	0.0	2.5	PASS
108_HIC_00_K/L/D	0.0	0.0	PASS
108_HIC_01_BED 1	0.0	5.0	PASS
108_HIC_01_BED 2	0.0	1.5	PASS
109_HIC_00_K/L/D	0.0	0.0	PASS
109_HIC_01_BED 1	0.0	5.5	PASS
109_HIC_01_BED 2	0.0	1.5	PASS
110_HIC_00_K/L/D	0.0	0.0	PASS
110_HIC_01_BED 1	0.0	5.0	PASS
110_HIC_01_BED 2	0.0	1.5	PASS
111_HIC_00_K/L/D	0.0	0.0	PASS
111_HIC_01_BED 1	0.0	5.0	PASS

111_HIC_01_BED 2	0.0	1.5	PASS
112_CED_00_LIVING	0.0	-	PASS
112_CED_01_BED 2	0.0	3.5	PASS
113_CED_00_LIVING	0.0	-	PASS
113_CED_01_BED 2	0.0	3.5	PASS
114_CED_00_LIVING	0.0	-	PASS
114_CED_01_BED 2	0.0	3.5	PASS
115_ACA_00_K/D	0.0	-	PASS
115_ACA_01_BED 2	0.0	1.5	PASS
115_ACA_01_BED 3	0.0	0.5	PASS
116_CED_00_K/D	0.0	-	PASS
116_CED_00_K/D	0.0	-	PASS
116_CED_00_LIVING	0.1	-	PASS
116_CED_01_BED 1	0.0	6.0	PASS
116_CED_01_BED 1	0.0	1.5	PASS
116_CED_01_BED 2	0.1	6.0	PASS
116_CED_01_BED 3	0.0	1.5	PASS
116_CED_01_BED 3	0.0	2.5	PASS
117_CED_00_K/D	0.0	-	PASS
117_CED_01_BED 1	0.0	3.5	PASS
117_CED_01_BED 3	0.0	1.5	PASS
118_ACA_00_K/D	0.0	-	PASS
119_HIC_01_BED 1	0.0	4.5	PASS
120_HIC_01_BED 1	0.0	3.5	PASS
121_CED_00_K/D	0.0	-	PASS
121_CED_01_BED 1	0.0	4.5	PASS
121_CED_01_BED 3	0.0	1.5	PASS
122_CED_00_K/D	0.0	-	PASS
122_CED_01_BED 1	0.0	4.5	PASS
122_CED_01_BED 3	0.0	1.5	PASS
123_ACA_00_LIVING	2.4	-	PASS
123_ACA_01_BED 1	0.0	0.5	PASS
124_CED_00_LIVING	0.0	-	PASS
124_CED_01_BED 2	0.0	1.5	PASS
125_CED_00_LIVING	0.0	-	PASS



125_CED_01_BED 2	0.0	1.5	PASS
126_CED_00_LIVING	0.0	-	PASS
126_CED_01_BED 2	0.0	1.5	PASS
127_CED_00_LIVING	0.0	-	PASS
127_CED_01_BED 2	0.0	2.0	PASS
128_PAL_01_LIVING	0.0	-	PASS
128_PAL_02_BED 1	0.0	1.5	PASS
129_PAL_01_LIVING	0.0	-	PASS
129_PAL_02_BED 1	0.0	1.5	PASS
130_PAL_01_LIVING	0.0	-	PASS
130_PAL_02_BED 1	0.0	1.5	PASS
131_LAR_00_K/L/D	0.1	-	PASS
131_LAR_01_BED 2	0.0	4.5	PASS
131_LAR_01_BED 3	0.0	1.5	PASS
131_LAR_02_BED 1	0.0	0.5	PASS
131_PAL_01_LIVING	0.0	-	PASS
131_PAL_02_BED 1	0.0	1.5	PASS
132_PAL_01_LIVING	0.0	-	PASS
132_PAL_02_BED 1	0.0	1.5	PASS
133_LAR_00_K/L/D	0.0	-	PASS
133_LAR_01_BED 2	0.0	3.0	PASS
133_LAR_01_BED 3	0.0	5.5	PASS
133_LAR_02_BED 1	0.0	1.5	PASS
133_PAL_01_LIVING	0.0	-	PASS
133_PAL_02_BED 1	0.0	1.5	PASS
134_PAL_00_K/D	0.0	-	PASS
134_PAL_01_BED 2	0.0	3.5	PASS
134_PAL_01_LIVING	0.3	-	PASS
134_PAL_02_BED 1	0.2	1.5	PASS
134_PAL_02_BED 3	0.0	7.0	PASS
134_PAL_02_BED 4	0.0	2.5	PASS
135_PAL_00_K/D	0.0	-	PASS
135_PAL_01_BED 2	0.0	7.5	PASS
135_PAL_01_LIVING	0.3	-	PASS
135_PAL_02_BED 1	0.2	1.5	PASS

135_PAL_02_BED 3	0.0	10.0	PASS
135_PAL_02_BED 4	0.0	2.5	PASS
136_HIC_00_K/L/D	0.0	0.0	PASS
136_HIC_01_BED 1	0.0	4.5	PASS
136_HIC_01_BED 2	0.0	1.5	PASS
137_HIC_00_K/L/D	0.0	0.0	PASS
137_HIC_01_BED 1	0.0	3.5	PASS
137_HIC_01_BED 2	0.0	1.5	PASS
138_HIC_00_K/L/D	0.0	0.0	PASS
138_HIC_01_BED 1	0.0	4.5	PASS
138_HIC_01_BED 2	0.0	1.5	PASS
139_PAL_00_K/D	0.1	-	PASS
139_PAL_01_BED 2	0.0	3.0	PASS
139_PAL_01_LIVING	0.0	-	PASS
139_PAL_02_BED 1	0.0	1.5	PASS
139_PAL_02_BED 3	0.0	6.5	PASS
139_PAL_02_BED 4	0.0	1.5	PASS
140_PAL_00_K/D	0.0	-	PASS
140_PAL_01_BED 2	0.0	2.5	PASS
140_PAL_01_LIVING	0.0	-	PASS
140_PAL_02_BED 1	0.0	1.5	PASS
140_PAL_02_BED 3	0.0	5.5	PASS
140_PAL_02_BED 4	0.0	1.5	PASS
141_LAR_00_K/L/D	0.0	-	PASS
141_LAR_01_BED 2	0.0	1.5	PASS
141_LAR_01_BED 3	0.0	5.0	PASS
141_LAR_02_BED 1	0.0	1.5	PASS
142_LAR_00_K/L/D	0.0	-	PASS
142_LAR_01_BED 2	0.0	1.5	PASS
142_LAR_01_BED 3	0.0	4.0	PASS
142_LAR_02_BED 1	0.0	1.5	PASS
143_LAR_00_K/L/D	0.0	-	PASS
143_LAR_01_BED 2	0.0	1.5	PASS
143_LAR_01_BED 3	0.0	4.0	PASS
143_LAR_02_BED 1	0.0	1.5	PASS



144_LAR_00_K/L/D	0.0	-	PASS
144_LAR_01_BED 2	0.0	1.5	PASS
144_LAR_01_BED 3	0.0	4.0	PASS
144_LAR_02_BED 1	0.0	1.0	PASS
145_LAR_00_K/L/D	0.0	-	PASS
145_LAR_01_BED 2	0.0	1.5	PASS
145_LAR_01_BED 3	0.0	4.0	PASS
145_LAR_02_BED 1	0.0	0.5	PASS
146_LAR_00_K/L/D	0.0	-	PASS
146_LAR_01_BED 2	0.0	1.5	PASS
146_LAR_01_BED 3	0.0	5.0	PASS
146_LAR_02_BED 1	0.0	1.5	PASS
147_PAL_00_K/D	0.1	-	PASS
147_PAL_01_BED 2	0.0	3.0	PASS
147_PAL_01_LIVING	0.0	-	PASS
147_PAL_02_BED 1	0.0	1.5	PASS
147_PAL_02_BED 3	0.0	6.5	PASS
147_PAL_02_BED 4	0.0	1.5	PASS
148_PAL_00_K/D	0.0	-	PASS
148_PAL_01_BED 2	0.0	1.5	PASS
148_PAL_01_LIVING	0.0	-	PASS
148_PAL_02_BED 1	0.0	1.5	PASS
148_PAL_02_BED 3	0.0	4.5	PASS
148_PAL_02_BED 4	0.0	1.5	PASS
149_PAL_00_K/D	0.0	-	PASS
149_PAL_01_BED 2	0.0	1.5	PASS
149_PAL_01_LIVING	0.0	-	PASS
149_PAL_02_BED 1	0.0	1.5	PASS
149_PAL_02_BED 3	0.0	5.5	PASS
149_PAL_02_BED 4	0.0	1.5	PASS
150_PAL_00_K/D	0.0	-	PASS
150_PAL_01_BED 2	0.0	2.5	PASS
150_PAL_01_LIVING	0.0	-	PASS
150_PAL_02_BED 1	0.0	1.5	PASS
150_PAL_02_BED 3	0.0	5.5	PASS



150_PAL_02_BED 4	0.0	1.5	PASS
151_LAR_00_K/L/D	0.0	-	PASS
151_LAR_01_BED 2	0.0	1.5	PASS
151_LAR_01_BED 3	0.0	5.0	PASS
151_LAR_02_BED 1	0.0	1.5	PASS
152_LAR_00_K/L/D	0.0	-	PASS
152_LAR_01_BED 2	0.0	1.5	PASS
152_LAR_01_BED 3	0.0	4.0	PASS
152_LAR_02_BED 1	0.0	1.0	PASS
153_LAR_00_K/L/D	0.0	-	PASS
153_LAR_01_BED 2	0.0	1.5	PASS
153_LAR_01_BED 3	0.0	4.0	PASS
153_LAR_02_BED 1	0.0	0.5	PASS
154_LAR_00_K/L/D	0.0	-	PASS
154_LAR_01_BED 2	0.0	1.5	PASS
154_LAR_01_BED 3	0.0	5.0	PASS
154_LAR_02_BED 1	0.0	1.5	PASS
155_PAL_00_K/D	0.1	-	PASS
155_PAL_01_BED 2	0.0	3.0	PASS
155_PAL_01_LIVING	0.0	-	PASS
155_PAL_02_BED 1	0.0	1.5	PASS
155_PAL_02_BED 3	0.0	6.5	PASS
155_PAL_02_BED 4	0.0	1.5	PASS
156_PAL_00_K/D	0.0	-	PASS
156_PAL_01_BED 2	0.0	3.0	PASS
156_PAL_01_LIVING	0.0	-	PASS
156_PAL_02_BED 1	0.0	1.5	PASS
156_PAL_02_BED 3	0.0	5.5	PASS
156_PAL_02_BED 4	0.0	1.5	PASS
157_ACA_00_K/D	0.2	-	PASS
157_ACA_00_LIVING	2.8	-	PASS
157_ACA_01_BED 1	0.0	1.5	PASS
157_ACA_01_BED 2	0.0	8.0	PASS
157_ACA_01_BED 3	0.0	3.5	PASS
158_CED_00_K/D	0.0	-	PASS

158_CED_00_LIVING	0.0	-	PASS
158_CED_01_BED 1	0.0	8.5	PASS
158_CED_01_BED 2	0.0	1.5	PASS
158_CED_01_BED 3	0.0	3.5	PASS
159_CED_00_K/D	0.0	-	PASS
159_CED_00_LIVING	0.0	-	PASS
159_CED_01_BED 1	0.0	8.5	PASS
159_CED_01_BED 2	0.0	1.5	PASS
159_CED_01_BED 3	0.0	3.5	PASS
160_CED_00_K/D	0.0	-	PASS
160_CED_00_LIVING	0.0	-	PASS
160_CED_01_BED 1	0.0	8.5	PASS
160_CED_01_BED 2	0.0	1.5	PASS
160_CED_01_BED 3	0.0	3.5	PASS
161_CED_00_K/D	0.0	-	PASS
161_CED_00_LIVING	0.0	-	PASS
161_CED_01_BED 1	0.0	8.5	PASS
161_CED_01_BED 2	0.0	2.0	PASS
161_CED_01_BED 3	0.0	3.5	PASS
162_HIC_00_K/L/D	0.0	0.5	PASS
162_HIC_01_BED 1	0.0	8.0	PASS
162_HIC_01_BED 2	0.0	0.5	PASS
163_HIC_00_K/L/D	0.0	0.5	PASS
163_HIC_01_BED 1	0.0	8.0	PASS
163_HIC_01_BED 2	0.0	0.5	PASS
164_HIC_00_K/L/D	0.0	0.5	PASS
164_HIC_01_BED 1	0.0	8.5	PASS
164_HIC_01_BED 2	0.0	0.5	PASS
165_CED_00_K/D	0.0	-	PASS
165_CED_00_LIVING	0.0	-	PASS
165_CED_01_BED 1	0.0	8.5	PASS
165_CED_01_BED 2	0.0	2.0	PASS
165_CED_01_BED 3	0.0	3.5	PASS
166_CED_00_K/D	0.0	-	PASS
166_CED_00_LIVING	0.0	-	PASS



166_CED_01_BED 1	0.0	8.5	PASS
166_CED_01_BED 2	0.0	1.5	PASS
166_CED_01_BED 3	0.0	3.5	PASS
167_CED_00_K/D	0.0	-	PASS
167_CED_00_LIVING	0.0	-	PASS
167_CED_01_BED 1	0.0	8.5	PASS
167_CED_01_BED 2	0.0	1.5	PASS
167_CED_01_BED 3	0.0	3.5	PASS
168_CED_00_K/D	0.0	-	PASS
168_CED_00_LIVING	0.0	-	PASS
168_CED_01_BED 1	0.0	8.5	PASS
168_CED_01_BED 2	0.0	1.5	PASS
168_CED_01_BED 3	0.0	3.5	PASS
169_CED_00_K/D	0.0	-	PASS
169_CED_00_LIVING	0.1	-	PASS
169_CED_01_BED 1	0.0	8.5	PASS
169_CED_01_BED 2	0.0	2.0	PASS
169_CED_01_BED 3	0.0	3.5	PASS
170_HIC_00_K/L/D	0.0	0.5	PASS
170_HIC_01_BED 1	0.0	8.0	PASS
170_HIC_01_BED 2	0.0	0.5	PASS
171_HIC_00_K/L/D	0.0	0.5	PASS
171_HIC_01_BED 1	0.0	8.0	PASS
171_HIC_01_BED 2	0.0	0.5	PASS
172_HIC_00_K/L/D	0.0	0.5	PASS
172_HIC_01_BED 1	0.0	8.0	PASS
172_HIC_01_BED 2	0.0	0.5	PASS
BLOCK 1_00_APT.03_BED 1	0.0	0.0	PASS
BLOCK 1_00_APT.03_BED 2	0.0	0.0	PASS
BLOCK 1_00_APT.04_BED 1	0.0	0.0	PASS
BLOCK 1_00_APT.04_BED 2	0.0	0.0	PASS
BLOCK 1_00_APT.04_K/L/D	0.0	-	PASS
BLOCK 1_00_APT.05_BED 1	0.0	0.0	PASS
BLOCK 1_00_APT.05_BED 2	0.0	0.0	PASS
BLOCK 1_00_APT.05_K/L/D	0.0	-	PASS



BLOCK 1_00_APT.06_BED 1	0.0	0.0	PASS
BLOCK 1_00_APT.06_BED 2	0.0	0.0	PASS
BLOCK 1_01_APT.03_BED 1	0.0	0.0	PASS
BLOCK 1_01_APT.03_BED 2	0.0	0.0	PASS
BLOCK 1_01_APT.04_BED 1	0.0	0.0	PASS
BLOCK 1_01_APT.04_BED 2	0.0	0.0	PASS
BLOCK 1_01_APT.04_K/L/D	0.0	-	PASS
BLOCK 1_01_APT.05_BED 1	0.0	0.0	PASS
BLOCK 1_01_APT.05_BED 2	0.0	0.0	PASS
BLOCK 1_01_APT.05_K/L/D	0.0	-	PASS
BLOCK 1_01_APT.06_BED 1	0.0	0.0	PASS
BLOCK 1_01_APT.06_BED 2	0.0	0.0	PASS
BLOCK 1_02_APT.03_BED 1	0.0	0.0	PASS
BLOCK 1_02_APT.03_BED 2	0.0	0.0	PASS
BLOCK 1_02_APT.04_BED 1	0.0	0.0	PASS
BLOCK 1_02_APT.04_BED 2	0.0	0.0	PASS
BLOCK 1_02_APT.04_K/L/D	0.0	-	PASS
BLOCK 1_02_APT.05_BED 1	0.0	0.0	PASS
BLOCK 1_02_APT.05_BED 2	0.0	0.0	PASS
BLOCK 1_02_APT.05_K/L/D	0.0	-	PASS
BLOCK 1_02_APT.06_BED 1	0.0	0.0	PASS
BLOCK 1_02_APT.06_BED 2	0.0	0.0	PASS
BLOCK 1_03_APT.03_BED 1	0.0	0.0	PASS
BLOCK 1_03_APT.03_BED 2	0.0	0.0	PASS
BLOCK 1_03_APT.04_BED 1	0.0	0.0	PASS
BLOCK 1_03_APT.04_BED 2	0.0	0.0	PASS
BLOCK 1_03_APT.04_K/L/D	0.0	-	PASS
BLOCK 1_03_APT.05_BED 1	0.0	0.0	PASS
BLOCK 1_03_APT.05_BED 2	0.0	0.0	PASS
BLOCK 1_03_APT.05_K/L/D	0.0	-	PASS
BLOCK 1_03_APT.06_BED 1	0.0	0.0	PASS
BLOCK 1_03_APT.06_BED 2	0.0	0.0	PASS
BLOCK 2_00_APT.03_K/L/D	0.0	-	PASS
BLOCK 2_00_APT.04_BED 1	0.0	0.0	PASS
BLOCK 2_00_APT.04_BED 2	0.0	0.0	PASS



BLOCK 2_00_APT.04_K/L/D	0.0	-	PASS
BLOCK 2_00_APT.05_BED 1	0.0	0.0	PASS
BLOCK 2_00_APT.05_BED 2	0.0	0.0	PASS
BLOCK 2_00_APT.05_K/L/D	0.0	-	PASS
BLOCK 2_00_APT.06_BED 1	0.0	0.0	PASS
BLOCK 2_00_APT.06_BED 2	0.0	0.0	PASS
BLOCK 2_00_APT.06_K/L/D	0.0	-	PASS
BLOCK 2_00_APT.07_BED 1	0.0	0.0	PASS
BLOCK 2_00_APT.07_BED 2	0.0	0.0	PASS
BLOCK 2_01_APT.03_K/L/D	0.0	-	PASS
BLOCK 2_01_APT.04_BED 1	0.0	0.0	PASS
BLOCK 2_01_APT.04_BED 2	0.0	0.0	PASS
BLOCK 2_01_APT.04_K/L/D	0.0	-	PASS
BLOCK 2_01_APT.05_BED 1	0.0	0.0	PASS
BLOCK 2_01_APT.05_BED 2	0.0	0.0	PASS
BLOCK 2_01_APT.05_K/L/D	0.0	-	PASS
BLOCK 2_01_APT.06_BED 1	0.0	0.0	PASS
BLOCK 2_01_APT.06_BED 2	0.0	0.0	PASS
BLOCK 2_01_APT.06_K/L/D	0.0	-	PASS
BLOCK 2_01_APT.07_BED 1	0.0	0.0	PASS
BLOCK 2_01_APT.07_BED 2	0.0	0.0	PASS
BLOCK 2_02_APT.03_K/L/D	0.0	-	PASS
BLOCK 2_02_APT.04_BED 1	0.0	0.0	PASS
BLOCK 2_02_APT.04_BED 2	0.0	0.0	PASS
BLOCK 2_02_APT.04_K/L/D	0.0	-	PASS
BLOCK 2_02_APT.05_BED 1	0.0	0.0	PASS
BLOCK 2_02_APT.05_BED 2	0.0	0.0	PASS
BLOCK 2_02_APT.05_K/L/D	0.0	-	PASS
BLOCK 2_02_APT.06_BED 1	0.0	0.0	PASS
BLOCK 2_02_APT.06_BED 2	0.0	0.0	PASS
BLOCK 2_02_APT.06_K/L/D	0.0	-	PASS
BLOCK 2_02_APT.07_BED 1	0.0	0.0	PASS
BLOCK 2_02_APT.07_BED 2	0.0	0.0	PASS
BLOCK 2_03_APT.03_K/L/D	0.0	-	PASS
BLOCK 2_03_APT.04_BED 1	0.0	0.0	PASS



BLOCK 2_03_APT.04_BED 2	0.0	0.0	PASS
BLOCK 2_03_APT.04_K/L/D	0.0	-	PASS
BLOCK 2_03_APT.05_BED 1	0.0	0.0	PASS
BLOCK 2_03_APT.05_BED 2	0.0	0.0	PASS
BLOCK 2_03_APT.05_K/L/D	0.0	-	PASS
BLOCK 2_03_APT.06_BED 1	0.0	0.0	PASS
BLOCK 2_03_APT.06_BED 2	0.0	0.0	PASS
BLOCK 2_03_APT.06_K/L/D	0.0	-	PASS
BLOCK 2_03_APT.07_BED 1	0.0	0.0	PASS
BLOCK 2_03_APT.07_BED 2	0.0	0.0	PASS
BLOCK 3_00_APT.03_K/L/D	0.0	-	PASS
BLOCK 3_00_APT.04_BED 1	0.0	0.0	PASS
BLOCK 3_00_APT.04_BED 2	0.0	0.0	PASS
BLOCK 3_00_APT.04_K/L/D	0.0	-	PASS
BLOCK 3_00_APT.05_BED 1	0.0	0.0	PASS
BLOCK 3_00_APT.05_BED 2	0.0	0.0	PASS
BLOCK 3_00_APT.05_K/L/D	0.0	-	PASS
BLOCK 3_00_APT.06_BED 1	0.0	0.0	PASS
BLOCK 3_00_APT.06_BED 2	0.0	0.0	PASS
BLOCK 3_00_APT.06_K/L/D	0.0	-	PASS
BLOCK 3_00_APT.07_BED 1	0.0	0.0	PASS
BLOCK 3_00_APT.07_BED 2	0.0	0.0	PASS
BLOCK 3_01_APT.03_K/L/D	0.0	-	PASS
BLOCK 3_01_APT.04_BED 1	0.0	0.0	PASS
BLOCK 3_01_APT.04_BED 2	0.0	0.0	PASS
BLOCK 3_01_APT.04_K/L/D	0.0	-	PASS
BLOCK 3_01_APT.05_BED 1	0.0	0.0	PASS
BLOCK 3_01_APT.05_BED 2	0.0	0.0	PASS
BLOCK 3_01_APT.05_K/L/D	0.0	-	PASS
BLOCK 3_01_APT.06_BED 1	0.0	0.0	PASS
BLOCK 3_01_APT.06_BED 2	0.0	0.0	PASS
BLOCK 3_01_APT.06_K/L/D	0.0	-	PASS
BLOCK 3_01_APT.07_BED 1	0.0	0.0	PASS
BLOCK 3_01_APT.07_BED 2	0.0	0.0	PASS
BLOCK 3_02_APT.03_K/L/D	0.0	-	PASS



<i>BLOCK 3_02_APT.04_BED 1</i>	0.0	0.0	PASS
<i>BLOCK 3_02_APT.04_BED 2</i>	0.0	0.0	PASS
<i>BLOCK 3_02_APT.04_K/L/D</i>	0.0	-	PASS
<i>BLOCK 3_02_APT.05_BED 1</i>	0.0	0.0	PASS
<i>BLOCK 3_02_APT.05_BED 2</i>	0.0	0.0	PASS
<i>BLOCK 3_02_APT.05_K/L/D</i>	0.0	-	PASS
<i>BLOCK 3_02_APT.06_BED 1</i>	0.0	0.0	PASS
<i>BLOCK 3_02_APT.06_BED 2</i>	0.0	0.0	PASS
<i>BLOCK 3_02_APT.06_K/L/D</i>	0.0	-	PASS
<i>BLOCK 3_02_APT.07_BED 1</i>	0.0	0.0	PASS
<i>BLOCK 3_02_APT.07_BED 2</i>	0.0	0.0	PASS
<i>BLOCK 3_03_APT.03_K/L/D</i>	0.0	-	PASS
<i>BLOCK 3_03_APT.04_BED 1</i>	0.0	0.0	PASS
<i>BLOCK 3_03_APT.04_BED 2</i>	0.0	0.0	PASS
<i>BLOCK 3_03_APT.04_K/L/D</i>	0.0	-	PASS
<i>BLOCK 3_03_APT.05_BED 1</i>	0.0	0.0	PASS
<i>BLOCK 3_03_APT.05_BED 2</i>	0.0	0.0	PASS
<i>BLOCK 3_03_APT.05_K/L/D</i>	0.0	-	PASS
<i>BLOCK 3_03_APT.06_BED 1</i>	0.0	0.0	PASS
<i>BLOCK 3_03_APT.06_BED 2</i>	0.0	0.0	PASS
<i>BLOCK 3_03_APT.06_K/L/D</i>	0.0	-	PASS
<i>BLOCK 3_03_APT.07_BED 1</i>	0.0	0.0	PASS
<i>BLOCK 3_03_APT.07_BED 2</i>	0.0	0.0	PASS

7.0 RESULTS FOR PREDOMINANTLY MECHANICALLY VENTILATED SPACES [CURRENT DSY]

ROOM NAME	Occupied Areas % Occupied Hrs Top>26°C, <3%	PASS/FAIL
105_ACA_00_K/D	1	PASS
105_ACA_00_LIVING	2.7	PASS
105_ACA_01_BED 1	1.2	PASS
105_ACA_01_BED 3	1	PASS
112_CED_00_K/D	1.1	PASS
112_CED_01_BED 1	0.9	PASS
112_CED_01_BED 3	0.7	PASS
113_CED_00_K/D	1.1	PASS
113_CED_01_BED 1	1	PASS
113_CED_01_BED 3	0.7	PASS
114_CED_00_K/D	1.1	PASS
114_CED_01_BED 1	1	PASS
114_CED_01_BED 3	0.7	PASS
115_ACA_00_LIVING	0.8	PASS
115_ACA_01_BED 1	0.8	PASS
116_CED_00_LIVING	0.9	PASS
116_CED_01_BED 2	0.8	PASS
117_CED_00_LIVING	0.9	PASS
117_CED_01_BED 2	0.8	PASS
118_ACA_00_LIVING	0.8	PASS
118_ACA_01_BED 1	0.8	PASS
118_ACA_01_BED 2	0.7	PASS
118_ACA_01_BED 3	0.7	PASS
119_HIC_00_K/L/D	0.7	PASS
119_HIC_01_BED 2	0.8	PASS
120_HIC_00_K/L/D	0.7	PASS
120_HIC_01_BED 2	0.8	PASS
121_CED_00_LIVING	1	PASS
121_CED_01_BED 2	1	PASS
122_CED_00_LIVING	0.9	PASS
122_CED_01_BED 2	0.9	PASS



123_ACA_00_K/D	0.9	PASS
123_ACA_01_BED 2	0.8	PASS
123_ACA_01_BED 3	0.8	PASS
124_CED_00_K/D	0.9	PASS
124_CED_01_BED 1	0.8	PASS
124_CED_01_BED 3	0.6	PASS
125_CED_00_K/D	0.9	PASS
125_CED_01_BED 1	0.8	PASS
125_CED_01_BED 3	0.6	PASS
126_CED_00_K/D	0.9	PASS
126_CED_01_BED 1	0.8	PASS
126_CED_01_BED 3	0.6	PASS
127_CED_00_K/D	0.9	PASS
127_CED_01_BED 1	0.8	PASS
127_CED_01_BED 3	0.6	PASS
128_PAL_00_K/D	1	PASS
128_PAL_01_BED 2	0.9	PASS
128_PAL_02_BED 3	1.2	PASS
128_PAL_02_BED 4	0.8	PASS
129_PAL_00_K/D	1.1	PASS
129_PAL_01_BED 2	0.9	PASS
129_PAL_02_BED 3	1.4	PASS
129_PAL_02_BED 4	0.8	PASS
130_PAL_00_K/D	1	PASS
130_PAL_01_BED 2	0.8	PASS
130_PAL_02_BED 3	1.2	PASS
130_PAL_02_BED 4	0.8	PASS
131_PAL_00_K/D	1.1	PASS
131_PAL_01_BED 2	0.9	PASS
131_PAL_02_BED 3	1.4	PASS
131_PAL_02_BED 4	0.8	PASS
132_PAL_00_K/D	1	PASS
132_PAL_01_BED 2	0.8	PASS
132_PAL_02_BED 3	1.2	PASS
132_PAL_02_BED 4	0.8	PASS



133_PAL_00_K/D	1.1	PASS
133_PAL_01_BED 2	1.1	PASS
133_PAL_02_BED 3	1.4	PASS
133_PAL_02_BED 4	0.8	PASS
BLOCK 1_00_APT.01_BED 1	1.9	PASS
BLOCK 1_00_APT.01_BED 2	2.3	PASS
BLOCK 1_00_APT.01_K/L/D	0.1	PASS
BLOCK 1_00_APT.02_BED 1	0.8	PASS
BLOCK 1_00_APT.02_BED 2	1	PASS
BLOCK 1_00_APT.02_K/L/D	0.7	PASS
BLOCK 1_00_APT.03_K/L/D	0.2	PASS
BLOCK 1_00_APT.06_K/L/D	0.4	PASS
BLOCK 1_00_APT.07_BED 1	2	PASS
BLOCK 1_00_APT.07_BED 2	2.1	PASS
BLOCK 1_00_APT.07_K/L/D	0.1	PASS
BLOCK 1_00_APT.08_BED 1	2.6	PASS
BLOCK 1_00_APT.08_BED 2	2.6	PASS
BLOCK 1_00_APT.08_K/L/D	0.5	PASS
BLOCK 1_00_APT.09_BED 1	0.4	PASS
BLOCK 1_00_APT.09_BED 2	0.6	PASS
BLOCK 1_00_APT.09_K/L/D	0.5	PASS
BLOCK 1_01_APT.01_BED 1	2.2	PASS
BLOCK 1_01_APT.01_BED 2	2.4	PASS
BLOCK 1_01_APT.01_K/L/D	0.2	PASS
BLOCK 1_01_APT.02_BED 1	1.1	PASS
BLOCK 1_01_APT.02_BED 2	1.4	PASS
BLOCK 1_01_APT.02_K/L/D	0.8	PASS
BLOCK 1_01_APT.03_K/L/D	0.3	PASS
BLOCK 1_01_APT.06_K/L/D	0.5	PASS
BLOCK 1_01_APT.07_BED 1	2.2	PASS
BLOCK 1_01_APT.07_BED 2	2.2	PASS
BLOCK 1_01_APT.07_K/L/D	0.1	PASS
BLOCK 1_01_APT.08_BED 1	2.8	PASS
BLOCK 1_01_APT.08_BED 2	2.8	PASS
BLOCK 1_01_APT.08_K/L/D	0.6	PASS



BLOCK 1_01_APT.09_BED 1	0.7	PASS
BLOCK 1_01_APT.09_BED 2	0.7	PASS
BLOCK 1_01_APT.09_K/L/D	0.6	PASS
BLOCK 1_02_APT.02_BED 1	2.4	PASS
BLOCK 1_02_APT.02_BED 1	1.3	PASS
BLOCK 1_02_APT.02_BED 2	2.5	PASS
BLOCK 1_02_APT.02_BED 2	1.5	PASS
BLOCK 1_02_APT.02_K/L/D	0.2	PASS
BLOCK 1_02_APT.02_K/L/D	0.9	PASS
BLOCK 1_02_APT.03_K/L/D	0.3	PASS
BLOCK 1_02_APT.06_K/L/D	0.5	PASS
BLOCK 1_02_APT.07_BED 1	2.3	PASS
BLOCK 1_02_APT.07_BED 2	2.3	PASS
BLOCK 1_02_APT.07_K/L/D	0.1	PASS
BLOCK 1_02_APT.08_BED 1	2.8	PASS
BLOCK 1_02_APT.08_BED 2	2.9	PASS
BLOCK 1_02_APT.08_K/L/D	0.7	PASS
BLOCK 1_02_APT.09_BED 1	0.8	PASS
BLOCK 1_02_APT.09_BED 2	0.9	PASS
BLOCK 1_02_APT.09_K/L/D	0.7	PASS
BLOCK 1_03_APT.02_K/L/D	0.5	PASS
BLOCK 1_03_APT.02_K/L/D	1.1	PASS
BLOCK 1_03_APT.03_BED 1	2.3	PASS
BLOCK 1_03_APT.03_BED 1	1.3	PASS
BLOCK 1_03_APT.03_BED 2	2.5	PASS
BLOCK 1_03_APT.03_BED 2	1.5	PASS
BLOCK 1_03_APT.03_K/L/D	0.5	PASS
BLOCK 1_03_APT.06_K/L/D	0.6	PASS
BLOCK 1_03_APT.07_BED 1	2.1	PASS
BLOCK 1_03_APT.07_BED 2	2.2	PASS
BLOCK 1_03_APT.07_K/L/D	0.3	PASS
BLOCK 1_03_APT.08_BED 1	2.7	PASS
BLOCK 1_03_APT.08_BED 2	2.8	PASS
BLOCK 1_03_APT.08_K/L/D	1	PASS
BLOCK 1_03_APT.09_BED 1	1	PASS

BLOCK 1_03_APT.09_BED 2	1.2	PASS
BLOCK 1_03_APT.09_K/L/D	0.8	PASS
BLOCK 2_00_APT.01_BED 1	1.8	PASS
BLOCK 2_00_APT.01_BED 2	2	PASS
BLOCK 2_00_APT.01_K/L/D	0.1	PASS
BLOCK 2_00_APT.02_BED 1	1.5	PASS
BLOCK 2_00_APT.02_BED 2	1.7	PASS
BLOCK 2_00_APT.02_K/L/D	0.6	PASS
BLOCK 2_00_APT.03_BED 1	1.3	PASS
BLOCK 2_00_APT.03_BED 2	1.4	PASS
BLOCK 2_00_APT.07_K/L/D	0.6	PASS
BLOCK 2_00_APT.08_BED 1	1.7	PASS
BLOCK 2_00_APT.08_BED 2	1.8	PASS
BLOCK 2_00_APT.08_K/L/D	0.1	PASS
BLOCK 2_01_APT.01_BED 1	2.1	PASS
BLOCK 2_01_APT.01_BED 2	2.1	PASS
BLOCK 2_01_APT.01_K/L/D	0.1	PASS
BLOCK 2_01_APT.02_BED 1	1.8	PASS
BLOCK 2_01_APT.02_BED 2	1.9	PASS
BLOCK 2_01_APT.02_K/L/D	0.7	PASS
BLOCK 2_01_APT.03_BED 1	1.7	PASS
BLOCK 2_01_APT.03_BED 2	1.8	PASS
BLOCK 2_01_APT.07_K/L/D	0.8	PASS
BLOCK 2_01_APT.08_BED 1	2	PASS
BLOCK 2_01_APT.08_BED 2	2	PASS
BLOCK 2_01_APT.08_K/L/D	0.1	PASS
BLOCK 2_02_APT.02_BED 1	2.1	PASS
BLOCK 2_02_APT.02_BED 1	1.9	PASS
BLOCK 2_02_APT.02_BED 2	2.2	PASS
BLOCK 2_02_APT.02_BED 2	2.1	PASS
BLOCK 2_02_APT.02_K/L/D	0.8	PASS
BLOCK 2_02_APT.02_K/L/D	0.1	PASS
BLOCK 2_02_APT.03_BED 1	1.8	PASS
BLOCK 2_02_APT.03_BED 2	1.8	PASS
BLOCK 2_02_APT.07_K/L/D	0.8	PASS

BLOCK 2_02_APT.08_BED 1	2.1	PASS
BLOCK 2_02_APT.08_BED 2	2.2	PASS
BLOCK 2_02_APT.08_K/L/D	0.2	PASS
BLOCK 2_03_APT.03_BED 1	1.9	PASS
BLOCK 2_03_APT.03_BED 1	2.2	PASS
BLOCK 2_03_APT.03_BED 1	1.8	PASS
BLOCK 2_03_APT.03_BED 2	2.3	PASS
BLOCK 2_03_APT.03_BED 2	1.8	PASS
BLOCK 2_03_APT.03_BED 2	2.1	PASS
BLOCK 2_03_APT.03_K/L/D	1.1	PASS
BLOCK 2_03_APT.03_K/L/D	0.4	PASS
BLOCK 2_03_APT.07_K/L/D	1.1	PASS
BLOCK 2_03_APT.08_BED 1	2.1	PASS
BLOCK 2_03_APT.08_BED 2	2.3	PASS
BLOCK 2_03_APT.08_K/L/D	0.4	PASS
BLOCK 3_00_APT.01_BED 1	1.8	PASS
BLOCK 3_00_APT.01_BED 2	2	PASS
BLOCK 3_00_APT.01_K/L/D	0.1	PASS
BLOCK 3_00_APT.02_BED 1	1.7	PASS
BLOCK 3_00_APT.02_BED 2	1.8	PASS
BLOCK 3_00_APT.02_K/L/D	0.6	PASS
BLOCK 3_00_APT.03_BED 1	1.6	PASS
BLOCK 3_00_APT.03_BED 2	1.7	PASS
BLOCK 3_00_APT.07_K/L/D	0.5	PASS
BLOCK 3_00_APT.08_BED 1	1.7	PASS
BLOCK 3_00_APT.08_BED 2	1.8	PASS
BLOCK 3_00_APT.08_K/L/D	0.1	PASS
BLOCK 3_01_APT.01_BED 1	2.1	PASS
BLOCK 3_01_APT.01_BED 2	2.1	PASS
BLOCK 3_01_APT.01_K/L/D	0.1	PASS
BLOCK 3_01_APT.02_BED 1	1.9	PASS
BLOCK 3_01_APT.02_BED 2	2.1	PASS
BLOCK 3_01_APT.02_K/L/D	0.7	PASS
BLOCK 3_01_APT.03_BED 1	1.8	PASS
BLOCK 3_01_APT.03_BED 2	1.9	PASS



BLOCK 3_01_APT.07_K/L/D	0.7	PASS
BLOCK 3_01_APT.08_BED 1	2	PASS
BLOCK 3_01_APT.08_BED 2	2	PASS
BLOCK 3_01_APT.08_K/L/D	0.1	PASS
BLOCK 3_02_APT.02_BED 1	2	PASS
BLOCK 3_02_APT.02_BED 1	2.1	PASS
BLOCK 3_02_APT.02_BED 2	2.2	PASS
BLOCK 3_02_APT.02_BED 2	2.2	PASS
BLOCK 3_02_APT.02_K/L/D	0.1	PASS
BLOCK 3_02_APT.02_K/L/D	0.8	PASS
BLOCK 3_02_APT.03_BED 1	1.9	PASS
BLOCK 3_02_APT.03_BED 2	2	PASS
BLOCK 3_02_APT.07_K/L/D	0.8	PASS
BLOCK 3_02_APT.08_BED 1	2.1	PASS
BLOCK 3_02_APT.08_BED 2	2.1	PASS
BLOCK 3_02_APT.08_K/L/D	0.2	PASS
BLOCK 3_03_APT.03_BED 1	1.9	PASS
BLOCK 3_03_APT.03_BED 1	2	PASS
BLOCK 3_03_APT.03_BED 1	2.2	PASS
BLOCK 3_03_APT.03_BED 2	2.3	PASS
BLOCK 3_03_APT.03_BED 2	2.1	PASS
BLOCK 3_03_APT.03_BED 2	2	PASS
BLOCK 3_03_APT.03_K/L/D	0.4	PASS
BLOCK 3_03_APT.03_K/L/D	1.1	PASS
BLOCK 3_03_APT.07_K/L/D	1.1	PASS
BLOCK 3_03_APT.08_BED 1	2.1	PASS
BLOCK 3_03_APT.08_BED 2	2.3	PASS
BLOCK 3_03_APT.08_K/L/D	0.4	PASS

-END

A.1 APARTMENT NUMBERING STRATEGY

BLOCK1:



BLOCKS 2 & 3:

