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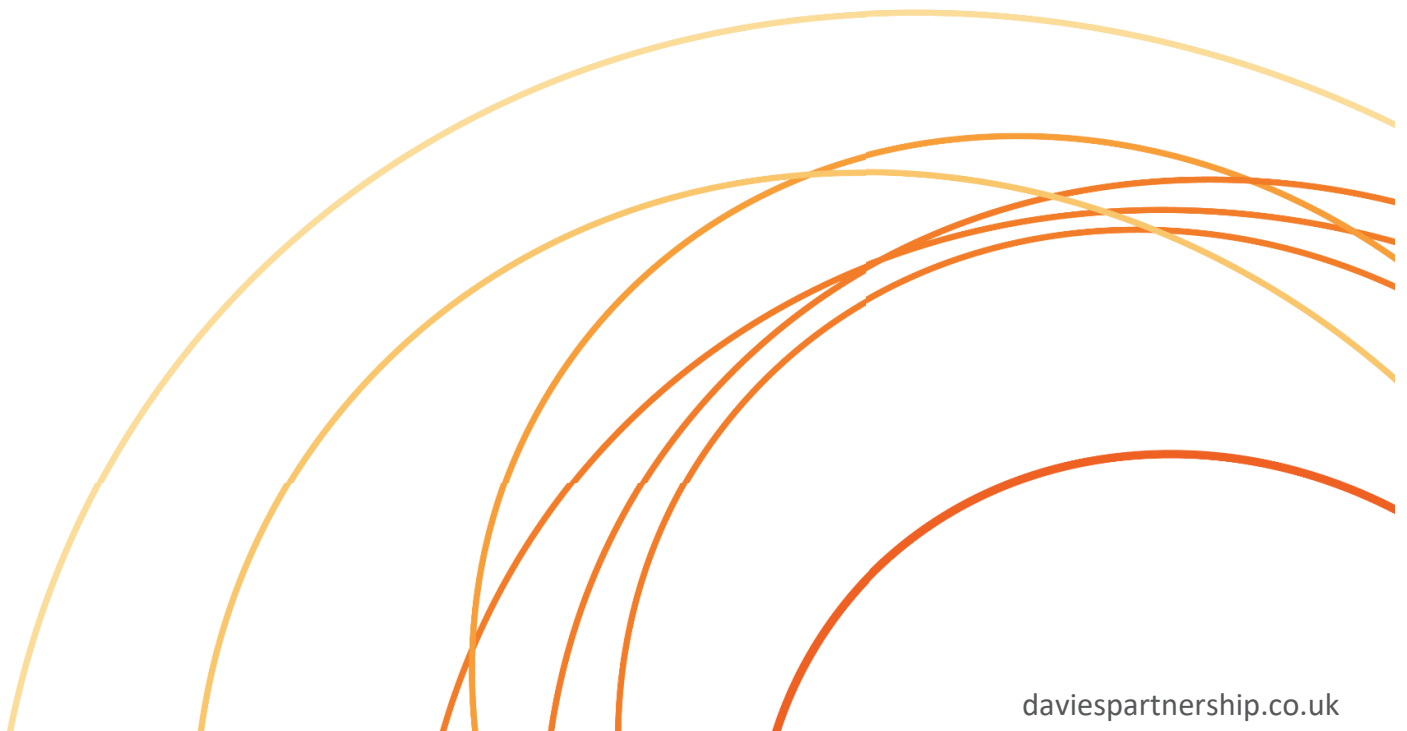
Energy Strategy Statement

PROJECT:

Residential Care Home,
Cricket Field Road,
Uxbridge

CLIENT:

Hillingdon Council



DOCUMENT CONTROL

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1.0 Executive Summary

Davies Partnership has been appointed to develop an Energy Strategy Statement for the proposed new build Care Home on Cricket Field Road, Uxbridge UB8 2NZ for Hillingdon Council.

The purpose of the statement is to set out the overall structure and servicing options for the development as it moves forward through the various stages of design. It should be read in context with all other planning documents forming the outline planning application.

This statement provides an initial indication of what the potential carbon savings could be for the development. Preliminary energy assessments via dynamic modelling have been undertaken to consider building performance in line with local authority requirements and Building Regulation Part L. It is anticipated that during the design and construction stages of the development that; the statutory requirements, range of technical solutions, and/or their cost effectiveness may change. Therefore, further 'detailed' assessments will be carried out to take account of any changes to ensure optimal performance.

1.1 Site & Development Description

The site currently houses an aging, outdated and underused multi-story carpark, which is no longer fit for purpose, and as such will be demolished. While to meet the significant and growing demand for modern elderly care accommodation, a new care home is proposed for the site. The new 160-bed care home is being designed to provide high-quality accommodation and specialist dementia and nursing care for older people in the local community.



Google Earth 2026



Proposed Layout

1.2 Development Appraisal

The proposed development has been reviewed, and the scheme can be constructed and serviced sustainably to ensure that the local authority's aspirations are met.

- Table 1 summarizes the fabric standards required
- Tables 3 & 4 summarize the M&E servicing strategies & Renewables proposed

During the detail design period the proposal will be refined, and further DSM analysis will be undertaken to ensure optimal design decisions are made and that energy performance is maintained.

2.0 Introduction

The UK government has written into law that new buildings/dwellings will need to be net zero carbon by 2050. To achieve this, construction and servicing methods will need to evolve, and innovative solutions created to support individual, communal, local, and national developments. Local councils have declared climate emergencies having seen the scale of the task ahead. Hillingdon Council has been at the forefront of climate action since 2020 and have ambitious plans to be carbon neutral by 2030 and as such have developed a 'Climate Action Plan' embedding core principles for a sustainable future.

This energy statement seeks to demonstrate that the proposed development has considered the implications it will have on the area and that its design intent is aligned with the council's aspiration to deliver sustainable developments. The environmental and energy strategy for this development has been generated in accordance with the following regulations and planning policies:

2.1 Building Regulations

Building Regulation Approved Document Part L (Volume 2: Buildings other than dwellings Conservation of Fuel and Power) – 2021 edition came into effect on the 15th of June 2022 and outlines the minimum fabric and servicing standards along with the carbon emission saving requirements for new developments. A revised Part L (2026) future homes and buildings standard is expected to come into force March 2027, subject to a 12-month transition period.

2.2 National Planning Policy Framework 2026

The NPPF was updated on the 17th August 2026 represents a significant reform over NPPF 2024 and provides clearer, more directive policies, a mandatory presumption in favour of sustainable development, and a focus on sustainable housing, transport, and land use, whilst continuing to promote meeting community needs and place-making. The environmental objectives aim to protect and enhance the natural, built, and historic environment, and encourage effective land use, greater biodiversity, prudent use of natural resources, minimisation of waste and pollution, and adaptation to climate change alongside a move to support energy efficiency and low carbon heating systems.

2.3 Hillingdon Local Planning framework & The London Plan

Energy assessments must fully comply with Policies SI 2 to SI 4 inclusive of the London Plan and, recognise the integrated nature of London Plan policies, taking account of relevant design, spatial, air quality, transport and climate change adaptation policies in the Plan.

Major developments are required to target net zero-carbon emissions by following the energy hierarchy (Policy SI 2). This means that regulated carbon emissions should be reduced so that they are as close as possible to zero. Once on-site reductions have been maximised, the residual emissions should then be offset via a payment into the borough's carbon offset fund.

Major developments are required to achieve a minimum 35 per cent on-site carbon reduction over Part L 2021.

Percentage Improvement Benchmark	
Building Type	Minimum on-site improvement over Part L (2021)
Residential	35%

The scheme has therefore been reviewed against this requirement to ensure carbon emissions are saved.

3.0 Route to Compliance - Dwelling Design

3.1 Energy Hierarchy

This development follows the principles of the energy hierarchy to minimise energy use and carbon emissions. There are 3 main ways of ensuring an energy efficient building, passive, active and renewable:



Passive

Passive design refers to a design approach that uses the buildings orientation, construction, and design to minimise the amount of energy required to condition its internal environment by maximising the effects of natural elements, such as the sun and wind. Good passive design should require very little maintenance and reduce a building's energy consumption by minimising or eliminating the mechanical systems used to regulate indoor temperature and ventilation as well as lighting.

Passive design takes advantage of the sun's limitless energy by maximising the solar heat gain and natural day light entering a building, through optimal glazing orientation and location. While good levels of insulation assist in minimising heat losses, and the use of appropriately sized and positioned operable windows can provide natural ventilation.

Building size, positioning, construction and glazing specifications have been considered.

Active

Active design refers to a design approach that maximizes the efficiencies of both the fixed mechanical and electrical building services, such as boilers, chillers, air conditioners and light fittings, as well as the efficiencies of the "loose" equipment installed for the building's operation, such as fridges, freezers, IT equipment. Good active design incorporates optimally scheduled and coordinated preventative maintenance to ensure that the equipment operates at its optimal efficiency all the time.

Active design takes advantage of the increasing system efficiencies commercially available for mechanical and electrical services and systems. This along with good design practices of optimally sizing and selecting equipment means energy usage will be reduced.

Energy efficient heating, hot water and ventilation systems have been considered.

Renewable

Renewable integration is a way of designing and operating a building and its services to efficiently utilise environmentally friendly, naturally occurring inexhaustible energy acquired locally. Renewable technologies using appropriate equipment can harvest energy from the sun, the wind, flowing water or from biofuels.

Appropriate renewable technologies have been considered.

3.2 Residential Standards

A fabric first 'Passive / Lean' approach has been taken, and enhanced building fabrics are proposed which improve upon the minimum U-value standards required for compliance with Building Regulation Part L as outlined in Table 1:

Construction Standards

Table 1: Fabric Performance

Element	Construction U-values			
	Regulatory	Notional 'Target'	Design	Design 'Betterment'
U-values (W/m ² .K)				
Ground Floor	0.18	0.13	0.10	44.4%
External Walls	0.26	0.18	0.13	50%
Party Walls	0.2	0.0	0.0	100%
Roof	0.18	0.11	0.10	44.4%
Windows	1.6	1.2	1.0	37.5%
Roof Light	2.2	2.2	1.0	54.5%
Glazed Doors	1.6	1.2	1.0	37.5%
Solid Doors	1.6	1.0	1.0	37.5%
Air Permeability	8@50Pa	5@50Pa	3@50Pa	62.5%

To minimise the buildings impact on climate change, high global warming potential (GWP) and nitrogen oxide (NOx) gas emissions into the atmosphere will be reduced as much as possible with insulating materials being specified that have a GWP of less than 5.

External opaque construction U-values will be achieved via the use of appropriate insulation types and thicknesses, with high performing glazing used throughout and all internal party walls will be filled and edge sealed, to reduce noise propagation and losses as much as is practically possible.

As U-values improve and direct heat losses reduce, point heat losses via thermal bridging junctions becomes ever more important, and these will be reviewed, detailed and minimised as required to assist building performance and air permeability.

Overheating Risk

Highly insulated buildings can suffer from overheating, due to increased heat retention, internal heat gains, solar gains, and low ventilation rates. To avoid or reduce this risk, it is necessary to make use of a suite of passive measures to reduce heat gains within occupied spaces and then, to manage them and ventilation rates, to maintain comfort conditions. Approved document Part O came into force in June 2022 to ensure that overheating risk is reviewed and minimised. Therefore, the measures described in Table 2, have been considered and applied and will be reviewed during the detailed design stage to ensure overheating is minimised.

Table 2: Mitigating measures for overheating	
Cooling Hierarchy	Design
Minimise internal heat generation.	Energy efficient lighting should be used in all areas Daylighting levels should be optimised to reduce artificial lighting requirements during the day. Low energy appliances and equipment should be used where possible. Pipework and water storage systems should be insulated to minimise heat gains. Mechanical ventilation in kitchens should extract heat from source to outside.
Reduce solar gains in summer through orientation, shading, albedo, fenestration, and insulation.	Overhangs, reveals and balconies reduce solar gains when the sun is high in the sky but can allow solar gains during winter months when the sun is lower (well suited to south facing façades). Larger areas of glazing should have corresponding areas of opening for fresh air providing access to balconies or set-back terraces with overhangs. Solar gains through windows can be reduced through solar control glazing but should be carefully considered as it also limits useful heat gains in winter. Highly insulated buildings can assist in reducing heat gains from conduction through external surfaces and warmer external temperatures. Movable external shading panels should also be considered where possible. These have a twofold benefit in that, when they are drawn in the summer months, solar gains are reduced, and when open in winter months beneficial solar gains can be received.
Passive Ventilation.	High levels of natural ventilation can be effective in reducing heat buildup, while providing occupier control. Appropriate operable windows and cross ventilation should be utilised where possible. Where only single sided ventilation is possible the ventilation is driven by temperature differential, and for this form of ventilation a difference in height across the window opening is required (high & low openings). Considerations for natural ventilation include air quality, noise, and security. To limit security and safety concerns, openable windows may be restricted and should be lockable in position and derestricted as required when safe.
Enhanced Natural Ventilation via extraction.	When natural ventilation through limited openings is not sufficient, extract fans can be used to drive higher volumes of air through the room by pulling fresh air into the room via the window opening, ensuring that a higher natural ventilation rate is achieved, even when passive driving forces aren't sufficient, and can provide occupants with a level of control.
Mechanical Ventilation with Heat Recovery.	Mechanical ventilation is required to comply with Building Regulation Part F as a minimum requirement in some areas. Mechanical ventilation systems with heat recovery (MVHR) enables this to be done efficiently, by recovering heat from extracted air to temper incoming fresh air. MVHR units should have a summer bypass option to reduce incoming air temperatures in the summer and should be able to operate at a boost mode continuously to provide an enhanced level of mechanical ventilation without exceeding noise and specific fan power limits.
Active Cooling.	Where a combination of the above measures is not sufficient to mitigate the overheating risk the provision of comfort cooling may be required.

The carefully considered fabric standards proposed lowers the buildings heating demand which in conjunction with the energy efficient M&E servicing proposed and outlined in Tables 3, minimises the energy required in the building's operation. All proposed M&E systems comply with Part L of the Building Regulations (2021) and exceed minimum performance standards.

Table 3: M&E Servicing

Description	System
Air Conditioning	VRF System, COP 3.5, EER 5.0 / SEER 6.0 Centrally managed for optimal operation, with some local control.
Heating	Radiators & AHU fed from centralised ASHP arrangement, COP 3.5 Time & Temperature controlled
Hot water	Air source heat pump hot water system, COP 3.65 3500L storage
Ventilation	Mechanical Ventilation with Heat Recovery (MVHR) – 80% Speed controlled based on gas sensors
Lighting	100% Low Energy LED Lighting – 110 - 140lm/cw Automatic lighting controls with photosensitive dimming

Sustainable Water Use and Management

The development is located within a hydrogeologically complex corridor in West London, immediately flanked by major surface networks, close to the Frays River floodplain and sensitive shallow underground aquifers, with water table conditions prone to seasonal fluctuations linked to the levels of the adjacent River Colne and Frays River.

Site Overview

The site is within the Colne catchment area.

The official sewerage and drainage undertaker is Thames Water.

Clean water supply is provided by Affinity Water.

The scheme isn't in a critical drainage area and is noted as being in Flood Zone 1.

There are no historic records of flooding

Requirements and Policies

National Planning Policy Framework 2026, Section 18 (Policies F1-F9) aims to minimise the risk to developments from all sources of flooding and coastal change, including the impact of climate change. This is done by steering developments away from areas of risk and by ensuring that they are safe for their lifetime without increasing flood risk elsewhere by incorporating sustainable drainage systems where possible and appropriate.

Hillingdon's Local Plan Part 1 (2012) and Part 2 (2020), alongside the West London Strategic Flood Risk Assessment (March 2018) requires all developments to undertake suitable development planning to ensure water sensitive design.

Hillingdon LLFA discharge and drainage expectations	
Discharge rate	1–2 l/s/ha; a flat 5 l/s minimum is explicitly not accepted
Design storm	1-in-100-year rainfall event, with safe exceedance routing above that
Climate change allowance	+40% for residential schemes, +20% for commercial schemes
Infiltration	Site-specific BRE 365 testing
SuDS documentation	NPPF (2026) Policy F8 requires SuDS to be designed in accordance with the 2025 National Standards for Sustainable Drainage systems. Hillingdon SuDS Proforma should be completed.
Maintenance	A management and maintenance plan should be developed for the SuD's lifetime, held by a private management company or adopted by water-company

Flooding

The yearly chance of river and sea flooding is **very low**

The yearly chance of river and sea flooding between 2036 and 2069 is **very low**

The yearly chance of surface flooding is **very low**

The yearly chance of surface flooding between 2040 and 2060 is **low**

Further review indicates partial flooding to the east of the site to a depth of between 150 and 300mm currently, while climate change predictions 2061 – 2125 indicate that the flooding could increase over the entire site to between 150 and 600mm.

Flooding from groundwater or reservoirs is unlikely in this area

Further details can be found within the appendix

Water Efficiency

The fourth Independent Assessment of UK Climate Risk (CCRA4-IA) by the Climate Change Committee (2026) has identified the potential for significant water shortages. Therefore, the efficient use of water is an important factor when considering future resilience to climate change.

Water usage will therefore be minimised during construction and by the materials used within the development, while water consumption of the end user will be considered in line with the mandatory national standards set out within Building Regulation Part G and minimised accordingly via the specification of low flow fittings and appliances to reduce unregulated water usage.

Water Management

Smart metering and leak detection will be used to monitor and report on water usage, ensuring that leaks or operational issues do not go un-noticed and that they can be quickly identified and corrected to reduce water wastage.

Drainage

The development will utilise sustainable drainage systems to improve water quality and to reduce the rate of run-off from the site. While the inclusion of a green roof will also reduce the peak rate of discharge and the run-off volume when compared to the existing hard standing car park arrangement on the site.

4.0 Consideration for Pollution

The development is replacing an existing building and will operate fossil fuel free and as such no additional local pollutants are expected to be introduced from the buildings construction and operation. Pollution Prevention Guidance will be adhered to in respect of air (dust) and water (ground and surface) pollution during the demolition and construction phases and external light pollution will be controlled through a time switch, or daylight sensor, to prevent operation during daylight hours to limit the impact of artificial lighting for the development's residents and surrounding environment.

The proposal is for the development to be all electric, for space heating and hot water requirements, therefore there will be no gas, fossil or solid fuels burnt in conjunction with the operation of the apartments and therefore no additional pollutants generated locally. Ventilation will be provided via Mechanical Ventilation with Heat Recovery (MVHR), which will provide a 'best practice' ventilation strategy in line with Energy Saving Trust guidance. The units can be used to manage indoor pollutants such as volatile organic compounds (VOC's), allergens (e.g. dust mites), and odours from cooking etc. effectively and efficiently, whilst also offering a summer bypass functionality to assist with comfort conditions.

To reduce the developments energy consumption, operating costs, and CO₂ emissions further a 'Green / Renewable' technology could be installed, with the following technologies officially recognized by the BRE as renewable and low carbon technologies:

- Solar Hot Water
- Photovoltaic Panels
- Wind turbines
- Heat Networks
- Community Biofuel Boilers
- Community Combined Heating & Power Systems
- Heat Pumps

Solar Hot Water

Solar water heating systems use the energy from the sun to heat water, most commonly for domestic hot water purposes. The system uses a heat collector, generally mounted on the roof and ideally orientated in a southerly orientation to capture the sun's solar rays to heat a fluid which is then used to heat up water stored in either a separate hot water cylinder or in a twin coil hot water cylinder inside the building. This could be done centrally and distributed to each apartment or via individual systems to each apartment.

- Simple 'hands-off' operation, proven technology with low maintenance requirements.
- Roof space and access is required for maintenance, and a secondary heating source is needed to ensure legionella protection.
- Difficult to implement centrally or individually to each apartment due to piping requirements and plant space required.

Energy efficient technology but low carbon savings and complexity in installation make it unsuitable for this development.

Photovoltaic Panels

Photovoltaic systems convert energy from the sun into electricity through semi-conductor cells. These semi-conductor cells are connected together and mounted into modules. These modules are then connected to an inverter to turn their direct current (DC) output into an alternating current (AC) for use. PV systems require only daylight, not sunlight to generate electricity (although more electricity is produced with more sunlight), so energy can still be produced in overcast or cloudy conditions. Photovoltaic panels should ideally be orientated in a southerly orientation and inclined for self-cleaning and optimal performance.

- Simple 'hands-off' operation, proven technology with low maintenance requirements.
- Can be connected directly to individual apartments or centrally and distributed.
- Roof space and access is required for maintenance.

Energy efficient technology with high carbon saving potential and simple installation potential makes it appropriate for this development.

Wind turbines

Wind turbines convert the power of wind into electricity by utilizing blades which are free to rotate into the wind. The blades then drive a generator either directly or via a gearbox (generally for larger machines) to produce electricity. An inverter is required to convert the electricity generated from a direct current (DC) to an alternating current (AC) and can then either be linked to the grid or used to charge batteries.

Modern wind turbines can be quiet, with simple maintenance requirements, but they can be large and can make a significant impact upon the local landscape. They also require reasonable and consistent wind speed to operate effectively.

- Low, variable and unpredictable wind speeds on site.
- Planning requirements.

Energy efficient technology but low carbon savings and complexity in installation make it unsuitable for this development.

Heat Networks

Heat networks provide an opportunity to supply heat to a collection of buildings from a central source. The heat is distributed via a network of underground pipes carrying hot water and can be scaled in size and capacity depending on the area and need. Connecting to a heat network avoids the need for individual boilers or electric heaters. The central heat source is often referred to as an 'energy centre'. There are many possible technologies that can provide the input to a heat network including power stations, energy from waste (EfW) facilities, industrial processes, biomass and biogas fuelled boilers and Combined Heat and Power (CHP) plants, gas-fired CHP units, fuel cells, heat pumps, geothermal sources, electric boilers and solar thermal arrays. Heat is brought into each building through a 'heat exchanger' which, for a residential connection, is about the same size as a small gas boiler. All of the same heating controls are available and to the end user the central heating and hot water system works in the same way as a domestic gas-fired central heating system without the need for any combustion to take place inside the building. A review of the London Heat Map has been undertaken and a heat network connection for this site has been discounted because:

- The site does not sit within 800m of any existing decentralized energy or heating networks. The closest network 'St. Andrew's Park' exceeds this distance and is gas fired. While details of the proposed Hillingdon – Uxbridge and Brunel University link haven't been confirmed.



Site location - <https://apps.london.gov.uk/heatmap/>

A review of the London Heat Map indicates that there is an existing gas fired district heating system consisting of gas fired boilers and a CHP system at St. Andrews Park, however it's position and capacity make connection unfeasible, while a proposed Hillingdon – Uxbridge and Brunel University heat network link hasn't been confirmed and isn't available.

A spatial allowance however, has been made within the design for a potential future connection to a heat network if and when one becomes available in the future.

Community Biofuel Boilers

Biofuel heating systems use energy from biological matter such as wood chips, logs and pellets produced from managed forests, urban tree pruning, farmed coppices or farm and factory waste or they can use energy from biogas generated from a mixture of gases produced by the breakdown of organic matter in the absence of oxygen (anaerobic digestion). Biogas can be produced from regionally available raw materials such as recycled waste such as manure, sewage, municipal waste, green waste, plant material, and crops.

A centralised communal heating system would be required to serve the apartments as Biofuel boilers require a base load for continual efficient operation along with local fuel storage facilities, regular de-ashing and maintenance, due to the varying quality of fuel used in the combustion process, to ensure optimal operation.

- Carbon savings possible, when using appropriately sourced fuels.
- Significant plant space required for equipment and fuel storage.
- Significant maintenance requirement to ensure optimal performance.
- Planning requirements for access and flueing.

Energy efficient technology but not suitable for location due to the significant site alterations required to accommodate equipment, fuel storage and fuel deliveries, in conjunction with the increased maintenance requirements of this technology makes it unsuitable for this development.

Community Combined Heating & Power Systems (CHP) 'Bio-fueled or Natural gas fired'

Combined Heating and Power systems utilise the by product of producing energy as a form of heating. When electricity is generated in central power stations around 65% of the primary energy is rejected as waste heat into the atmosphere. Combined heat and power units generate electricity locally so that the waste heat can be used for beneficial purposes for general heating or hot water purposes. Where all the waste heat generated can be used, CHP units can have overall efficiencies of up to 85% compared to 40% for conventional power stations. CHP systems are expensive, high maintenance and more suited to applications with a consistent thermal load such as a hospital, leisure centre or hotel.

- Carbon savings are possible, when on-site electricity generation is utilised.
- Significant central, community plant room requirements and maintenance.

Energy efficient technology with high capital and maintenance costs in conjunction with significant site alteration requirements make this technology unsuitable for this development.

Heat Pumps

Heat Pumps harvest the ambient heat from their natural surroundings for heating purposes. This is done by utilising an electrically driven vapour compression or absorption cycle to optimize the low-grade heat collected, to a usable heating level, which can then be used optimally in conjunction with either under floor heating circuits, over-sized radiators or to multi split air conditioning systems to provide heating/cooling as required. Heat pumps have some impact on the environment as they need electricity to run, but the heat they extract from the ground, air, or water is constantly being renewed naturally, and the efficiencies achievable are very high compared to other heating systems.

- Water Source Heat Pumps absorb energy from either open or closed loop pipes laid in local water sources, rivers, or lakes.
- Geothermal (Ground) Source Heat Pumps absorb energy from loop pipes buried in the ground either horizontally or vertically:
 - Horizontal
 - Slinkies or trenches 1 – 3m deep, which rely on large areas of land absorbing solar gains to replenish ground temperatures.
 - Vertical
 - Boreholes drilled deep into the earth 60m+, which relies on the fairly consistent year-round, static ground temperature.
- Air Source Heat Pumps absorb energy from the surrounding air.

Heat Pumps could be incorporated for heating via AHU's, radiators or underfloor heating and for domestic hot water generation. While due to the buildings usage and operation air conditioning could also be considered.

- Flexible and versatile technology for building integration.
- Carbon emission and energy savings are possible.
- Internal & external plant space required, along with maintenance requirements.

Energy efficient technology with carbon saving potential, air source heat pump systems provide an energy efficient route to enhance building performance.

Air source heat pump systems and photovoltaics present the most flexible, cost effective, energy efficient and carbon saving technologies for inclusion within this development, and an allowance has been made to enhance building performance in line with London Planning requirements.

Table 4: Renewable Technology

Description	System
Heating	Air source heat pump system - Serving radiators and AHUs within communal spaces - VRF system supporting heating and cooling
Hot Water	Air source heat pump system
Electricity generation	PV Panels (based on 22% efficient - 550Wp panels) - East facing – 19.25kWp (35 panels) - West facing – 19.25kWp (35 panels) - South facing – 79.75kWp (153 panels) (Site requirement and capacity to be reviewed during detail design)

5.0 Analysis

The development is following the principles of the energy hierarchy, targeting passive fabric first measures and utilising low U-value constructions in conjunction with robust thermal bridging details to minimise air leakage rates and heat losses along with active high efficiency, low carbon heating and hot water systems to reduce energy demand and carbon emissions.

DSM calculations have been undertaken accordingly for the development using the parameters outlined in Tables 1 - 4 to demonstrate a Building Regulation and planning compliant solution.

As per the energy assessment guidance for the GLA, each stage of the energy hierarchy has been modelled and the buildings performance reviewed.

Section 6.7 of the GLA guidance establishes the CO₂ emissions baseline, based on the target emission rate (TER) of the proposed final 'Green' design.

Table 5: Base Line Part L (2021) Building Performance	
	Care Home
	<i>Tonnes CO₂ per annum</i>
Part L Baseline (TER)	74.5

Passive design measures have then been considered under Lean Building Performance, which as per the requirements of the GLA has meant that notional building standard heating and hot water services have been utilised as the Green design makes use of air source heat pump technologies.

Table 6: Lean Building Performance	
	Care Home
	<i>Tonnes CO₂ per annum</i>
Part L Baseline (TER)	74.5
Lean (Fabrics & Servicing)	68.4
Betterment Achieved	8%

Table 7: Heating Demand & Energy Use Intensity		
	Heating Demand	EUI (energy use intensity)
	<i>kWh/m².yr</i>	<i>kWh/m².yr</i>
Target	15	55
Care Home	2.61	104.10

Details taken from DSM models (excluding PV offsetting)

Energy Use Intensity considers both regulated and unregulated energy use and the following areas will be reviewed further during detail design to optimise performance.

Kitchens – Due to potential high all day daily demand, high efficiency equipment in conjunction with smart kitchen layout and management including workflows, batch cooking and staff housekeeping will be considered to ensure equipment is used only as and when required on low energy settings or at full capacity when required and turned off when not in use.

Laundry – Heavy commercial usage and the requirement for high temperature thermal disinfection along with drying requirements increases potential energy demand. Therefore, high efficiency equipment including heat pump dryers will be considered in conjunction with scheduling of use to manage building loads.

Lifts – Modern Traction MRL (machine room-less) lifts utilising smart standby controls to minimise energy use and regenerative drives to recover energy in motion will be considered.

There are no existing or proposed heat networks to connect to locally, therefore there are no 'clean' energy savings possible for this scheme at this time.

The final design therefore incorporates a central VRF system for heating and cooling to the bedrooms and ASHP heating and hot water systems. This all-electric solution is then supported by a roof mounted photovoltaic array which will support the communal areas in operation.

Table 8: Green Building Performance	
	Communal
	Tonnes CO ₂ per annum
Part L Baseline (TER)	74.5
Green (Design)	48.6
Betterment Achieved	35%

During the design stage, the proposal will be subject to more refined modelling based on the final building form, construction details and building services to optimise performance and photovoltaic capacity.

Overall, the site is able to generate carbon savings from the proposed design elements.

Table 9: Overall Site Performance			
	Care Home	Carbon Savings	
	(Tonnes)	(Tonnes)	(%)
Part L Baseline (TER)	74.5	-	-
Lean (Fabrics & Servicing)	68.4	6.1	8%
Clean (Heat Networks)	-	-	-
Green (Design)	48.6	19.8	27%
Overall CO₂ Saving	25.9 Tonnes	35%	

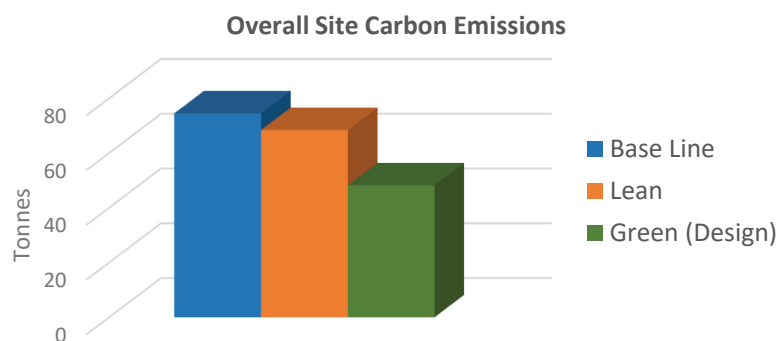


Table 10: Regulated 'Net Zero' Carbon Dioxide Offset Savings Required (30 years)		
	CO ₂ Savings for off-set payment	Cash in-lieu contribution*
	(Tonnes)	(£)
Care Home	48.6	£95
Overall CO₂ Offset	1,458	£138,527

*Based on local authorities recommended price of £95 per tonne of carbon dioxide.

6.0 Conclusion

This energy strategy statement has assessed the proposed development against the climate change and sustainability policies and targets, as outlined by Hillingdon council in line with the London Plan, through the energy hierarchy and energy performance modelling.

Baseline energy performance figures have been calculated and improvements undertaken to fabrics and servicing to reduce energy demand, while renewable technologies have been integrated within the design to ensure optimal energy efficient building performance.

Lean measures can be summarised as:

- Near Passivhaus levels of insulation
- Robust thermal bridging with a low air permeability (3@50Pa).
- Low energy LED lighting and automatic controls.
- High efficiency MVHR ventilation.

Green measures can be summarised as:

- Centralised VRF system supporting heating and cooling.
- Air source heat pump heating system supporting radiators and air handling units.
- Air source heat pump domestic hot water system generation.
- Roof mounted photovoltaics supporting building operation.

These measures enable the development to achieve an overall **35%** saving in regulated CO₂ emissions in line with the 35% benchmark set out within the GLA.

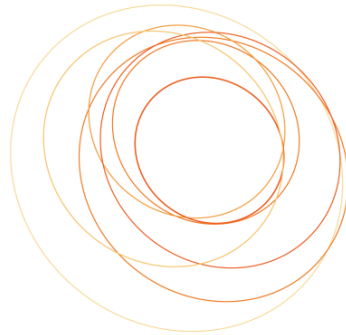
The remain 65% '48.6 tonnes' will be offset via a cash in-lieu contribution, based on £95 per tonne over 30 years as per the local authorities planning requirements which, equates to: **£138,527**.

In addition to moving away from fossil fuel systems and following the energy hierarchy through low U-value constructions, efficient responsive servicing design and incorporating renewables. Further sustainable measures will be undertaken throughout construction into building occupation and operation, such as:

- Reducing the environmental impact from construction in terms of both, energy, and embodied carbon by carefully considering materials that score between A+ and C under the BRE's Green Guide targeted for use, along with Insulation materials that have a global warming potential (GWP) of 5 or less, and an ODP of 0.
- Green infrastructure will be enhanced through varying planting strategies, surface materials, boundary treatments and carefully considered planting, around and on the buildings via green roofs to increase biodiversity.
- Sustainable drainage systems will be implemented to mimic natural drainage and to encourage its infiltration, attenuation and passive treatment.
- Internal water efficiency will be prioritised by ensuring that efficient water fixtures are used to reduce water use and waste, and that 'A' rated appliances will be specified where possible.
- Secured By Design principles will be followed to create a safe and accessible environment that facilitates good natural surveillance, helping occupants and visitors feel safe.
- Highly efficient MVHR systems will be used to provide a continuous source of fresh air to maintain a healthy indoor environment, to boost the physical and mental wellbeing of residents, while cooling via a highly efficient VRF system will reduce any overheating risk.
- The site is within walking distance of local amenities, buses and trains.
- Cycles stands have been incorporated into the buildings design and landscape to encourage active travel.

END OF DOCUMENT

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ENERGISING ENVIRONMENTS



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7.0 Appendix

- Part O – Overheating Analysis
 - Pre Planning Tool
 - Performance Summary
- Part L – Care Home Performance calculations
 - Baseline 'Lean'
 - Proposed 'Green'
- GLA CO₂ Analysis (Part L)
- Sustainable water studies



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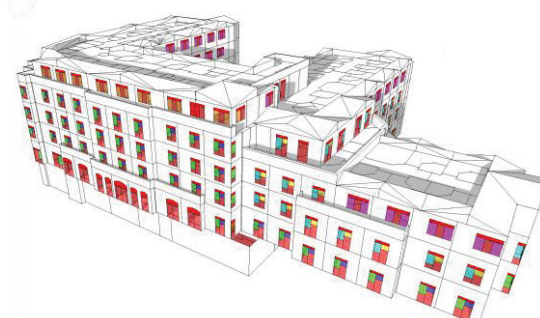
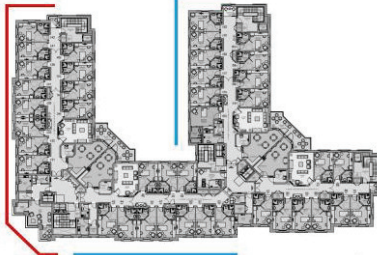
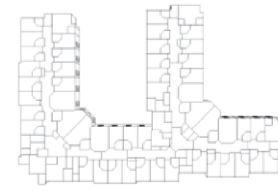
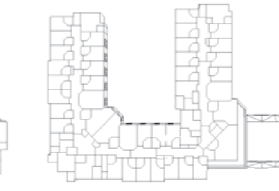
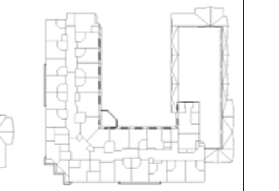
ADO - Pre-Planning

INFORMATION

This pre-planning stage tool should be used when assessing the overheating risk in residential schemes at the pre-planning stage or during the very early stages of design. The below questionnaire considers the elements which impact overheating and scores potential key risk and mitigating factors and indicates how the building may perform and what measures should be considered to reduce overheating risk

Key factors increasing the likelihood of overheating			Key factors reducing the likelihood of overheating		
Geographical and local context					
1	Where is the scheme in the UK?	N. England & Borders = 0 SE England, S England & Thames area = 4 Rest of England & Wales = 2 Scotland, Northern Ireland = 0	4		
2	Is the site likely to see an Urban heat island effect?	Rural locations, smaller towns & less dense areas = 0 Cities, large towns and dense areas = 1 Greater London, Birmingham and Manchester = 2 Central London (City, Westminster, Camden, Islington, Hackney, Tower Hamlets, Newham) = 3	3		0
Site characteristics					
3(a)	Does the site have barriers to window openings in the day?	Barriers include noise/acoustic risks, poor air quality/smell, security risks/crime, adjacency to heat rejection plant. No = 0 day: some of the time or only for some windows = 4 night: yes although bedroom windows can be open = 4 Yes: Windows closed most of the time = 8	4	9	Light coloured surfaces are more reflective and lead to lower surface temperatures and lower heat absorption Yes = 1 No = 0
3(b)	Does the site have barriers to window openings in the night?		4	10	At least as tall as the glazed areas in an East or West direction. Yes = 1 No = 0
Scheme characteristics and dwelling design					
4	Are the dwellings flats?	No = 0 Yes = 3	3	11	Thermal mass in conjunction with night time ventilation can offer an effective means of reducing overheating. Yes = 1 No = 0
5	Does the scheme have community heating? <i>(Pipework distributing hot water all year)</i>	No = 0 Yes = 3	3	12	CH more than 2.8m and ceiling fan installed = 2 CH more than 2.8m WITHOUT ceiling fan installed = 1 CH less than 2.8m = 0
Solar heat gains and ventilation					
6	What is the estimated average glazing ratio for the dwellings? <i>(across all facades)</i>	Less than 35% = 0 35-50% = 4 50-65% = 7 Over 65% = 12	4	13	Partial Shade <35% glazing = 0 / 5-50% glazing = 1 50-65% glazing = 2 / >65% glazing = 3 Full Shading <35% glazing = 0 / 35-50% glazing = 2 50-65% glazing = 4 / >65% glazing = 6
7	Are the dwellings single aspect?	Dual aspect: windows are on at least two facades = 0 Single aspect: windows are on same facade = 3	3	14	Part F minimum requirements met = 0 50% over Part F Single aspect dwellings = 3 50% over Part F Dual aspect dwellings = 2 100% over Part F Single aspect dwellings = 4 100% over Part F Dual aspect dwellings = 3
Results					
Sum of increasing factors		28		Total score	
Sum of reducing factors		1		27	
Guidance					
Partial shading is defined by some of the windows receiving partial shading, not all windows and shading only applying to some angles of the sun. Full effective shading is defined as all of the glazing receiving half of the solar gains that it would WITHOUT the shading. This could mean in terms of shaded for half the day or half of glazed panes at all times. Seek design changes to reduce risk factors and/or increase mitigation factors and carry out a detailed Part O assessment to ensure acceptable performance. Movable external shading devices such as shutters can provide occupants with a flexible and easily adaptable measure to control solar gains based on their personal requirements. They may also be used in conjunction with inward opening windows to maximise natural ventilation potential and some can also be used as an additional security measure on easily accessible apartments to allow operable windows to be safely and securely used more often. Dynamic modelling required.					

Building Regulations (2021) Preliminary Part O Review & Guidance

Doc Ref: 26104-DPL-XX-XX-MR-Y-9000		Project Name / Sample Unit: Cricket Field Care Home																					
1.1 Building and Site Details Residential Building Name/Number: Care Home Street / Floor: Cricket Field Road Town: Uxbridge Postcode: UB8 2NZ Proposed building use/type: Care Home Are there security, noise or pollution issues?: YES Details: <i>Part 'O' easily accessible ground floor windows and doors, along with limited '100mm restricted' window openings. Acoustic survey indicates excessive noise levels to some elevations will limit window use particularly at night.</i>																							
1.2 Designer's Details Company: Davies Partnership Address Line 1: Cestrian House Address Line 2: Lightfoot Street, Hoole Postcode: CH2 3AD Contact Number: 01244 315 568 Email Address: Robert@daviespartnership.co.uk																							
2a.1 Site Details Weather file location used: CIBSE London LHR DSY1 (2020) Overheating risk assessment: 50th percentile, high emissions High Risk																							
Design Data																							
2b.1 Modelling Details Dynamic software name and version: IES VE 2026 Details of selection chosen: <i>All rooms have been modelled to ensure overall Part 'O' compliance, under DSY1, DSY2 and DSY3 weather files to ensure a robust future proofed system arrangement.</i> Construction Performance: Medium Weight <table border="1"> <tr> <td>Floor</td> <td>0.1</td> <td>Flat Roof</td> <td>0.1</td> </tr> <tr> <td>External Wall</td> <td>0.13</td> <td>Glazing</td> <td>1.0 / g - 0.32</td> </tr> <tr> <td>Party Wall</td> <td>0</td> <td>Glazed Doors</td> <td>1.0 / g - 0.32</td> </tr> <tr> <td>Internal Wall</td> <td>n/a</td> <td>Curtain Walls</td> <td>n/a</td> </tr> <tr> <td>Internal Ceiling</td> <td>n/a</td> <td>Solid Doors</td> <td>1</td> </tr> </table> Air Permeability @50Pa: 3 Infiltration from CIBSE Guide A Table 4.24: 0.15 ach Note: Construction details in line with performance specification.		Floor	0.1	Flat Roof	0.1	External Wall	0.13	Glazing	1.0 / g - 0.32	Party Wall	0	Glazed Doors	1.0 / g - 0.32	Internal Wall	n/a	Curtain Walls	n/a	Internal Ceiling	n/a	Solid Doors	1	2b.2 Modelling Occupancy Have 'ADO' limits on CIBSE TM59 modelling methodology been applied: YES Details of Occupancy profile used: Part 'O' methodology Thermal Comfort Criteria: CIBSE TM52 (2013) Cat. II (Typical default) Details of the equipment profile used: Part 'O' methodology Details of the opening profile used: Part 'O' methodology	
Floor	0.1	Flat Roof	0.1																				
External Wall	0.13	Glazing	1.0 / g - 0.32																				
Party Wall	0	Glazed Doors	1.0 / g - 0.32																				
Internal Wall	n/a	Curtain Walls	n/a																				
Internal Ceiling	n/a	Solid Doors	1																				
2b.3 Modelled Overheating Mitigation Strategy Free Areas: <i>Equivalent areas calculated using government approved Class cool spreadsheet based on calculated opening angles in line with 650mm maximum reach criteria, except for doors which are based on an opening of 90° and inward opening arrangements.</i> Have window dimensions and openings been modelled correctly? YES Have all security constraints, that might be required (grilles, shutters or railings), been factored into assumed window opening proportions? YES Have all safety constraints, including a check that all window sill heights and opening reach comply with AD-O requirements? YES Have all blinds, curtains, trees or foliage been excluded? YES Have any community heating pipework and HIU heat gains been included in the model? N/A Is mechanical cooling included in the design, or is mechanical ventilation relied upon for overheating mitigation? YES Have the mechanical ventilation flow rates been modelled? YES																							
2b.4 Modelling Test Results																							
Initial Review  Acoustic Assessment An acoustic assessment was undertaken by Murray Acoustics on the 29/07/26 - 30/07/26. The noise climate at the site is governed by road traffic noise from Hillingdon Road. The source is steady and continuous and follows the characteristic diurnal pattern of an urban distributor road. Noise modelling has identified the following Zone A (red) - most exposed and affected facade Zone B (blue) - less affected by noise Zone C (not highlighted) - unaffected Red and blue highlighted areas will be unable to use windows at night for overheating mitigation. Window Design  Side-hung opening windows are restricted to a 100mm clear opening and are modelled with an equivalent orifice area 21% of gross.  Tall Top-hung opening windows are restricted to a 100mm clear opening and are modelled with an equivalent orifice area 20% of gross.  Short Top-hung opening windows are restricted to a 100mm clear opening and are modelled with an equivalent orifice area 30% of gross.  Tall Top-hung opening windows are restricted to a 100mm clear opening and are modelled with an equivalent orifice area 20% of gross. Patio doors are modelled as side-hung with a 90° openable area and a maximum opening angle of 90°.																							
Natural & Mechanical Ventilation      Majority of bedrooms fail to comply with the requirements of Part O. Ground floor windows and doors are restricted for security purposes and can't be used at night, all upper floor windows are restricted to 100mm to minimise any fall from height risk and openings to some noise affected elevations would be closed at night. Mechanical ventilation via zoned 'MVHR' systems provide 10l/s per person incorporated to assist with air circulation.																							
Proposed Design      All rooms comply with the requirements of Part O. Ground floor windows are restricted for security purposes, all windows are restricted to 100mm, MVHR systems are to be capable of providing boosted ventilation rates to assist with air circulation and to minimise reliance on active cooling, active cooling used for peak temperature management and to ensure suitable internal temperatures for residents. (cooling capacity to be confirmed during detail design)																							
Performance Review The acoustic summary indicates that natural ventilation can't be relied upon for all elevations at all times, due to external noise pollution generated locally by the road system nearby. Window and door use in general is subject to occupant preference, however due to the buildings operation and the security measures required, window openings will be restricted to 100mm (although a key operated override or additional mechanical ventilation may be required for Part F purge ventilation), this means that natural ventilation levels alone aren't sufficient to manage peak summer heat gains. Low g-value glazing is therefore recommended to limit excessive solar gains along with appropriate window positioning to maximise passive shading from reveals. In general windows should be used as and when possible, however to ensure indoor air quality zoned MVHR systems will be used and will feature both boosted ventilation rates and automatic summer bypass functionality to encourage air circulation when required and to maximise night cooling potential. Active cooling will be required in order to manage the peak summer heat gains generated by occupancy, equipment and the weather however and final cooling requirements for optimal deployment and energy efficiency. Good housekeeping and passive measures to reduce over heating risk should be encouraged with windows and internal blinds used proactively to reduce and limit heat gains, with light coloured or blackout blinds recommended as if used and 'closed' during the hottest periods of the day, especially when windows are sun facing it can help to reduce and reflect any excessive solar gains from entering. While windows should ideally be opened during cooler periods of the day and night, i.e. early morning and late evening as the cooler external air temperatures can be used to assist in freshening the building and they should conversely be closed during the hottest periods to reduce heat from entering.																							

Building Regulations (2021) Preliminary Part O Review & Guidance

Doc Ref: 26104-DPL-XX-XX-MR-Y-9000		Project Name / Sample Unit: Cricket Field Care Home
1.1 Building and Site Details Residential Building Name/Number: Care Home Street / Floor: Cricket Field Road Town: Uxbridge Postcode: UB8 2NZ Proposed building use/type: Care Home Are there security, noise or pollution issues?: YES Details: <i>Part 'O' easily accessible ground floor windows and doors, along with limited '100mm restricted' window openings.</i> <i>Acoustic survey indicates excessive noise levels to some elevations will limit window use particularly at night.</i>		
1.2 Designer's Details Company: Davies Partnership Address Line 1: Cestrian House Address Line 2: Lightfoot Street, Hoole Postcode: CH2 3AD Contact Number: 01244 315 568 Email Address: Robert@daviespartnership.co.uk		
2a.1 Site Details Weather file location used: CIBSE London LHR DSY1 (2020) Overheating risk assessment: 50th percentile, high emissions High Risk		
Design Data 2b.1 Modelling Details - glazing arrangement		
 Northwest Southeast Opening Type ■ XTRN0000 (External window CLOSED) ■ XTRN0002 (ADO 2.6a (day) - Tall Top-hung) ■ XTRN0004 (ADO 2.6a (day) - Short Top-hung) ■ XTRN0005 (ADO 2.6a + b (day & night) - Short Top-hung) ■ XTRN0006 (ADO 2.6a + b (day & night) - Tall Top-hung) ■ XTRN0007 (ADO 2.6a + b (day & night) - Side-hung) ■ XTRN0008 (ADO 2.6a (day) - Side-hung) ■ XTRN0009 (ADO 2.6a (day) - Patio Door)		
2b.4 Modelling Test Results DSY1 Weather file (current regulatory standard for compliance, based on a moderately warm summer)		
 Ground First Second Third Fourth All rooms comply with the requirements of Part O. Ground floor windows are restricted for security purposes, all windows are restricted to 100mm, MVHR systems are to be capable of providing boosted ventilation rates to assist with air circulation and to minimise reliance on active cooling, active cooling used for peak temperature management and to ensure suitable internal temperatures for residents. (cooling capacity to be confirmed during detail design)		
DSY2 Weather file (probabilistic future weather file '2011-2040' representing a summer with a short, intense warm spell under high climate change projections)		
 Ground First Second Third Fourth All rooms comply with the requirements of Part O. Ground floor windows are restricted for security purposes, all windows are restricted to 100mm, MVHR systems are to be capable of providing boosted ventilation rates to assist with air circulation and to minimise reliance on active cooling, active cooling used for peak temperature management and to ensure suitable internal temperatures for residents. (cooling capacity to be confirmed during detail design)		
DSY3 Weather file (probabilistic future weather file '2011-2040' representing a long, continuous, but less intense warm spell under high climate change projections)		
 Ground First Second Third Fourth All rooms comply with the requirements of Part O. Ground floor windows are restricted for security purposes, all windows are restricted to 100mm, MVHR systems are to be capable of providing boosted ventilation rates to assist with air circulation and to minimise reliance on active cooling, active cooling used for peak temperature management and to ensure suitable internal temperatures for residents. (cooling capacity to be confirmed during detail design)		
Performance Review Modelling of building performance indicates that natural ventilation can't be relied upon to mitigate overheating risk at all times. This is due to both physical and practical limitations, which include window opening restrictions that are required for building operation and safety, and realistic limitations as to when windows can be used due to excessive local noise levels, particularly at night. Appropriate window and door use should be encouraged however when possible in conjunction with internal blind use to proactively reduce and limit heat gains. However to ensure optimal internal air quality, temperature and system efficiency, a range of passive and active measures are proposed to provide flexibility in building operation along with potential climate change protection. These measures include appropriate window sizing and positioning to maximise passive shading from external window reveals, low g-value glazing to limit excessive solar gains, zoned mechanical ventilation to meet specific ventilation requirements within each area and active air conditioning to manage peak summer gains. Controllable mechanical ventilation will improve air circulation and temper incoming fresh air in winter to reduce heating requirements, while in the summer it'll utilise a summer bypass to provide cooler air from outside via boosted ventilation rates, to reduce cooling and allow improved nighttime ventilation and cooling. Active cooling can then be used to maintain internal temperatures as required and to mitigate overheating risk, which subject to cooling capacity, control and temperature set points could be adapted or used to assist with future heat waves and climate change.		
2b.5 Design Assessor's Declaration Design Assessor's Name: Robert Buchanan Design Assessor's Organisation: Davies Partnership, Cestrian House, Lightfoot Street, Hoole, Chester, CH2 3AD Date of Review/issue: 10/09/2026		

Project name

Cricket Field Rd - LEAN

As designed

Date: Fri Oct 02 10:46:03 2026

Administrative information

Building Details

Address: Cricket Field Rd - LEAN, Uxbridge, UB8 2NZ

Certifier details

Name: Davies Partnership

Telephone number: +44 1244 315 568

Address: Davies Partnership, Cestrian House, Lightfoot Street, Hoole, Chester, CH2 3AD

Certification tool

Calculation engine: Apache

Calculation engine version: 7.0.31

Interface to calculation engine: IES Virtual Environment

Interface to calculation engine version: 7.0.31

BRUKL compliance module version: v6.1.e.1

Foundation area [m²]: 1359.77The CO₂ emission and primary energy rates of the building must not exceed the targets

Target CO ₂ emission rate (TER), kgCO ₂ /m ² annum	8.81
Building CO ₂ emission rate (BER), kgCO ₂ /m ² annum	8.09
Target primary energy rate (TPER), kWh _{PE} /m ² annum	95.98
Building primary energy rate (BPER), kWh _{PE} /m ² annum	88.24
Do the building's emission and primary energy rates exceed the targets?	BER ≤ TER BPER ≤ TPER

The performance of the building fabric and fixed building services should achieve reasonable overall standards of energy efficiency

Fabric element	U _a -Limit	U _a -Calc	U _i -Calc	First surface with maximum value
Walls*	0.26	0.13	0.13	01000004:Surf[1]
Floors	0.18	0.1	0.1	01000004:Surf[0]
Pitched roofs	0.16	-	-	No pitched roofs in building
Flat roofs	0.18	0.1	0.1	0100001C:Surf[6]
Windows** and roof windows	1.6	1	1	01000004:Surf[3]
Rooflights***	2.2	1	1	0000000E:Surf[1]
Personnel doors^	1.6	-	-	No personnel doors in building
Vehicle access & similar large doors	1.3	-	-	No vehicle access doors in building
High usage entrance doors	3	-	-	No high usage entrance doors in building
U _a -Limit = Limiting area-weighted average U-values [W/(m ² K)] U _a -Calc = Calculated area-weighted average U-values [W/(m ² K)] U _i -Calc = Calculated maximum individual element U-values [W/(m ² K)] * Automatic U-value check by the tool does not apply to curtain walls whose limiting standard is similar to that for windows. ** Display windows and similar glazing are excluded from the U-value check. *** Values for rooflights refer to the horizontal position. ^ For fire doors, limiting U-value is 1.8 W/m ² K NB: Neither roof ventilators (inc. smoke vents) nor swimming pool basins are modelled or checked against the limiting standards by the tool.				

Air permeability	Limiting standard	This building
m ³ /(h.m ²) at 50 Pa	8	3

Building services

For details on the standard values listed below, system-specific guidance, and additional regulatory requirements, refer to the Approved Documents.

Whole building lighting automatic monitoring & targeting with alarms for out-of-range values	YES
Whole building electric power factor achieved by power factor correction	<0.9

1- VRF Heating & Cooling - Communal Areas [MVHR]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.08	5.79	0	-	0.8
Standard value	2.5*	5	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

2- AHU Heating - Corridors

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.08	-	0	1.6	0.8
Standard value	2.5*	N/A	N/A	1.9^	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					
^ Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.					

3- ASHP to Rads - Stairwells

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.08	-	0.2	-	-
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

4- FCU Heating & Cooling - Bedrooms [MVHR]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.08	5.79	0	1.1	0.8
Standard value	2.5*	N/A	N/A	2^	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					
^ Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.					

5- Frost Protection [Extract Vent]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.08	-	0	-	0.8
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

6- VRF Heating & Cooling - Staff Areas [MVHR]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.08	5.79	0	-	0.8
Standard value	2.5*	5	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

7- ASHP to Rads - Assisted Bath & Staff WC/Chng [MVHR]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.08	-	0.2	-	0.8
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

8- Comms Room Cooling

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.08	5.79	-	-	0.8
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

9- AHU Heating - Kitchen

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.08	-	-	1.6	0.8
Standard value	2.5*	N/A	N/A	1.9^	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					
^ Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.					

1- DHW - 3500 litre storage

	Water heating efficiency	Storage loss factor [kWh/litre per day]
This building	3	0.005
Standard value	2*	N/A
* Standard shown is for all types except absorption and gas engine heat pumps.		

Zone-level mechanical ventilation, exhaust, and terminal units

ID	System type in the Approved Documents
A	Local supply or extract ventilation units
B	Zonal supply system where the fan is remote from the zone
C	Zonal extract system where the fan is remote from the zone
D	Zonal balanced supply and extract ventilation system
E	Local balanced supply and extract ventilation units
F	Other local ventilation units
G	Fan assisted terminal variable air volume units
H	Fan coil units
I	Kitchen extract with the fan remote from the zone and a grease filter
NB: Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.	

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
00_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_30 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_30 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_29 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_29 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_26 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_26 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_25 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_25 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_24 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_24 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_23 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_23 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
00_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
00_RECEPTION/ADMIN	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_CLINICAL TREATMENT 01	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_CLINICAL TREATMENT 02	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_GP & EXTERNAL MEDICAL CONSULTING	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_GENERAL MANAGER OFFICE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_MEET & GREET	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_RECEPTION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_CCTV	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_DOC M WC	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_HAIR & BEAUTY SALON	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_CAFE/SERVERY	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_14 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_14 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_16 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_16 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_18 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_18 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_20 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_20 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_13 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		Zone	Standard
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1			
00_13 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_15 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_15 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_17 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_17 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_19 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_19 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_21 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_21 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_22 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_22 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_04 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_04 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_06 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_06 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_08 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_08 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_10 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_10 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
00_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_12 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_12 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_11 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_11 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_09 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_09 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_07 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_07 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_05 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_05 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_03 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_03 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_02 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_02 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_01 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_01 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_FAITH/CINEMA	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_LOUNGE/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
00_27 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_27 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_28 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_28 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_70 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_70 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_69 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_69 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_66 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_66 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_65 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_65 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_64 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_64 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_63 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_63 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_COMUNAL HUB ENTRANCE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_54 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_54 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_56 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_56 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_58 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_58 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_60 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_60 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_53 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_53 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_55 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_55 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_57 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_57 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_59 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_59 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
01_61 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_61 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_62 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_62 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_34 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_34 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_36 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_36 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_38 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_38 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_40 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_40 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_42 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_42 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_41 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_41 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_39 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_39 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_37 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_37 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_35 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_35 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_33 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_33 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_32 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_32 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_31 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_31 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_67 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_67 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_68 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_68 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_WC STAFF	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_LOCKER ROOM	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_MEETING ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_STAFF ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
01_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_43 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_43 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_44 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_44 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_46 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_46 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_47 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_47 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_50 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_51 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_51 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_52 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_52 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_45 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_45 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_48 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_48 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_49 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_49 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_110 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_110 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_109 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_109 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_103 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_103 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_COMUNAL HUB ENTRANCE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_94 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_94 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_96 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_96 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
02_98 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_98 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_100 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_100 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_93 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_93 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_95 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_95 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_97 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_97 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_99 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_99 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_101 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_101 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_102 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_102 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_74 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_74 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_76 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_76 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_78 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_78 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_80 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_80 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_82 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_82 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_81 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_81 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_79 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_79 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_77 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_77 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_75 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_75 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_73 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_73 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_72 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_72 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_71 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_71 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
02_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_107 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_107 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_108 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_108 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_WC STAFF	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_MEETING ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_STAFF ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_83 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_83 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_84 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_84 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_86 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_86 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_87 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_87 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_90 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_91 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_91 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_92 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_92 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_85 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_85 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_88 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_88 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_89 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_89 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_104 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_104 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_105 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_105 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_106 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_106 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
03_134 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_134 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_136 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_136 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_138 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_138 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_140 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_140 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_133 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
03_133 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_135 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_135 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_137 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_137 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_139 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_139 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_141 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_141 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_142 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_142 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_114 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_114 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_116 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_116 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_118 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_118 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_120 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_120 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_122 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_122 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_121 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_121 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_119 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_119 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_117 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_117 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_115 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_115 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_113 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_113 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_112 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
03_112 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_111 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_111 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
03_WC STAFF	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_MEETING ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_STAFF ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
03_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
03_123 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_123 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_124 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_124 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_126 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_126 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_127 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_127 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_130 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_131 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_131 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_132 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_132 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_125 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_125 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_128 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_128 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_129 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_129 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_COMUNAL HUB ENTRANCE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_CAFE/BAR STORE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_CAFE & LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_145 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_145 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_149 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_149 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
04_151 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_151 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
04_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
04_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_MEETING ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_STAFF ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_147 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_147 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
04_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_152 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_152 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_150 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_150 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_148 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_148 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_146 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_146 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_144 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_144 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_143 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_143 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
04_157 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_157 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_155 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_155 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
04_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
04_160 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_160 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_159 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_159 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_158 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_158 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_156 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_156 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_154 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_154 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
04_153 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_153 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
BM_REFUSE STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
BM_LAUNDRY	-	0.2	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF WC	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_KITCHEN STAFF CHANGING	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_KITCHEN STAFF SHOWER	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_MAINTENANCE OFFICE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
BM_CLEANER STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
BM_STAFF WC	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF CHANGING	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF WC	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF SHOWER	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF SHOWER	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF SHOWER	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_50 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_90 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_130 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
Standard value		95	80	0.3
00_LOUNGE		125	-	-
00_1.1A STORE		115	-	-
00_STAIR CORE 05		130	-	-
00_PROTECTED LOBBY		130	-	-
00_CIRC		130	-	-
00_30 ENSUITE		110	-	-
00_30 BEDROOM		125	-	-
00_29 BEDROOM		125	-	-
00_29 ENSUITE		110	-	-
00_LINEN STORE		115	-	-
00_26 ENSUITE		110	-	-
00_26 BEDROOM		125	-	-
00_25 BEDROOM		125	-	-
00_25 ENSUITE		110	-	-
00_24 BEDROOM		125	-	-
00_24 ENSUITE		110	-	-
00_PAD STORE		115	-	-
00_23 BEDROOM		125	-	-
00_23 ENSUITE		110	-	-
00_SLUICE		115	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
00_LOBBY		130	-	-
00_CLNRS STORE		115	-	-
00_RECEPTION/ADMIN		125	125	1.08
00_CLINICAL TREATMENT 01		125	-	-
00_CLINICAL TREATMENT 02		125	-	-
00_GP & EXTERNAL MEDICAL CONSULTING		125	-	-
00_DRAUGHT LOBBY		130	-	-
00_GENERAL MANAGER OFFICE		125	-	-
00_MEET & GREET		125	-	-
00_RECEPTION		125	125	1.08
00_CCTV		125	-	-
00_DOC M WC		110	-	-
00_HAIR & BEAUTY SALON		125	-	-
00_CAFE/SERVERY		125	-	-
00_NURSE STATION		125	-	-
00_WC ASSISTED		110	-	-
00_DINING/KITCHENETTE		125	-	-
00_DINING/KITCHENETTE		125	-	-
00_BATHROOM ASSISTED		110	-	-
00_LOBBY		130	-	-
00_STAIRCORE 03		130	-	-
00_CIRC		130	-	-
00_COMUNAL HUB ENTRANCE		130	-	-
00_HOIST STORE		115	-	-
00_STORE		115	-	-
00_WC ASSISTED		110	-	-
00_LOUNGE		125	-	-
00_PAD STORE		115	-	-
00_14 ENSUITE		110	-	-
00_14 BEDROOM		125	-	-
00_16 ENSUITE		110	-	-
00_16 BEDROOM		125	-	-
00_18 ENSUITE		110	-	-
00_18 BEDROOM		125	-	-
00_20 ENSUITE		110	-	-
00_20 BEDROOM		125	-	-
00_LINEN STORE		115	-	-
00_STAIRCORE 04		130	-	-
00_CLINICAL STORE		115	-	-
00_13 ENSUITE		110	-	-
00_SLUICE		115	-	-
00_13 BARIATRIC BEDROOM		125	-	-
00_CIRC		130	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
00_15 ENSUITE		110	-	-
00_15 BEDROOM		125	-	-
00_17 ENSUITE		110	-	-
00_17 BEDROOM		125	-	-
00_19 ENSUITE		110	-	-
00_19 BEDROOM		125	-	-
00_21 ENSUITE		110	-	-
00_21 BEDROOM		125	-	-
00_22 BEDROOM		125	-	-
00_22 ENSUITE		110	-	-
00_04 ENSUITE		110	-	-
00_04 BEDROOM		125	-	-
00_06 ENSUITE		110	-	-
00_06 BEDROOM		125	-	-
00_08 ENSUITE		110	-	-
00_08 BEDROOM		125	-	-
00_10 ENSUITE		110	-	-
00_10 BEDROOM		125	-	-
00_STAIRCORE 02		130	-	-
00_STORE		115	-	-
00_CIRC		130	-	-
00_CIRC		130	-	-
00_SLUICE		115	-	-
00_CLINICAL STORE		115	-	-
00_NURSE STATION		125	-	-
00_STORE		115	-	-
00_LOBBY		130	-	-
00_PAD STORE		115	-	-
00_CIRC		130	-	-
00_PROTECTED LOBBY		130	-	-
00_12 BEDROOM		125	-	-
00_12 ENSUITE		110	-	-
00_11 ENSUITE		110	-	-
00_11 BEDROOM		125	-	-
00_09 ENSUITE		110	-	-
00_09 BEDROOM		125	-	-
00_07 ENSUITE		110	-	-
00_07 BEDROOM		125	-	-
00_05 ENSUITE		110	-	-
00_05 BEDROOM		125	-	-
00_03 ENSUITE		110	-	-
00_03 BEDROOM		125	-	-
00_02 ENSUITE		110	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
00_02 BEDROOM		125	-	-
00_01 ENSUITE		110	-	-
00_01 BEDROOM		125	-	-
00_LOUNGE		125	-	-
00_WC ASSISTED		110	-	-
00_FAITH/CINEMA		125	-	-
00_STORE		115	-	-
00_WC ASSISTED		110	-	-
00_DINING/KITCHENETTE		125	-	-
00_LOUNGE/KITCHENETTE		125	-	-
00_CYCLE/BUGGY STORE		140	-	-
00_CIRC		130	-	-
00_CIRC		130	-	-
00_NSV		115	-	-
00_LINEN STORE		115	-	-
00_PROTECTED LOBBY		130	-	-
00_STAIRCASE FROM BASEMENT		130	-	-
00_27 BEDROOM		125	-	-
00_27 ENSUITE		110	-	-
00_28 BEDROOM		125	-	-
00_28 ENSUITE		110	-	-
01_LOUNGE		125	-	-
01_PROTECTED LOBBY		130	-	-
01_CIRC		130	-	-
01_70 ENSUITE		110	-	-
01_70 BEDROOM		125	-	-
01_69 BEDROOM		125	-	-
01_69 ENSUITE		110	-	-
01_LINEN STORE		115	-	-
01_66 ENSUITE		110	-	-
01_66 BEDROOM		125	-	-
01_65 BEDROOM		125	-	-
01_65 ENSUITE		110	-	-
01_64 BEDROOM		125	-	-
01_64 ENSUITE		110	-	-
01_PAD STORE		115	-	-
01_63 BEDROOM		125	-	-
01_63 ENSUITE		110	-	-
01_SLUICE		115	-	-
01_LOBBY		130	-	-
01_CLNRS STORE		115	-	-
01_NURSE STATION		125	-	-
01_WC ASSISTED		110	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
01_DINING/KITCHENETTE		125	-	-
01_DINING/KITCHENETTE		125	-	-
01_LOBBY		130	-	-
01_STAIRCORE 03		130	-	-
01_CIRC		130	-	-
01_COMUNAL HUB ENTRANCE		130	-	-
01_HOIST STORE		115	-	-
01_STORE		115	-	-
01_WC ASSISTED		110	-	-
01_LOUNGE		125	-	-
01_PAD STORE		115	-	-
01_54 ENSUITE		110	-	-
01_54 BEDROOM		125	-	-
01_56 ENSUITE		110	-	-
01_56 BEDROOM		125	-	-
01_58 ENSUITE		110	-	-
01_58 BEDROOM		125	-	-
01_60 ENSUITE		110	-	-
01_60 BEDROOM		125	-	-
01_LINEN STORE		115	-	-
01_STAIRCORE 04		130	-	-
01_CLINICAL STORE		115	-	-
01_53 ENSUITE		110	-	-
01_SLUICE		115	-	-
01_53 BARIATRIC BEDROOM		125	-	-
01_CIRC		130	-	-
01_55 ENSUITE		110	-	-
01_55 BEDROOM		125	-	-
01_57 ENSUITE		110	-	-
01_57 BEDROOM		125	-	-
01_59 ENSUITE		110	-	-
01_59 BEDROOM		125	-	-
01_61 ENSUITE		110	-	-
01_61 BEDROOM		125	-	-
01_62 BEDROOM		125	-	-
01_62 ENSUITE		110	-	-
01_34 ENSUITE		110	-	-
01_34 BEDROOM		125	-	-
01_36 ENSUITE		110	-	-
01_36 BEDROOM		125	-	-
01_38 ENSUITE		110	-	-
01_38 BEDROOM		125	-	-
01_40 ENSUITE		110	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
01_40 BEDROOM		125	-	-
01_CIRC		130	-	-
01_CIRC		130	-	-
01_NURSE STATION		125	-	-
01_PAD STORE		115	-	-
01_CIRC		130	-	-
01_PROTECTED LOBBY		130	-	-
01_42 BEDROOM		125	-	-
01_42 ENSUITE		110	-	-
01_41 ENSUITE		110	-	-
01_41 BEDROOM		125	-	-
01_39 ENSUITE		110	-	-
01_39 BEDROOM		125	-	-
01_37 ENSUITE		110	-	-
01_37 BEDROOM		125	-	-
01_35 ENSUITE		110	-	-
01_35 BEDROOM		125	-	-
01_33 ENSUITE		110	-	-
01_33 BEDROOM		125	-	-
01_32 ENSUITE		110	-	-
01_32 BEDROOM		125	-	-
01_31 ENSUITE		110	-	-
01_31 BEDROOM		125	-	-
01_LOUNGE		125	-	-
01_WC ASSISTED		110	-	-
01_WC ASSISTED		110	-	-
01_DINING/KITCHENETTE		125	-	-
01_CIRC		130	-	-
01_NSV		115	-	-
01_LINEN STORE		115	-	-
01_PROTECTED LOBBY		130	-	-
01_67 BEDROOM		125	-	-
01_67 ENSUITE		110	-	-
01_68 BEDROOM		125	-	-
01_68 ENSUITE		110	-	-
01_STAIRCORE 02		130	-	-
01_SLUICE		115	-	-
01_WC STAFF		110	-	-
01_LOBBY		130	-	-
01_LOCKER ROOM		115	-	-
01_MEETING ROOM		125	-	-
01_STAFF ROOM		125	-	-
01_STAIRCORE 01		130	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
00_STAIRCORE 01		130	-	-
01_LOBBY		130	-	-
01_CLNRS STORE		115	-	-
01_CLINICAL STORE		115	-	-
01_SLUICE		115	-	-
01_43 BEDROOM		125	-	-
01_43 ENSUITE		110	-	-
01_CIRC		130	-	-
01_44 ENSUITE		110	-	-
01_44 BEDROOM		125	-	-
01_46 ENSUITE		110	-	-
01_46 BEDROOM		125	-	-
01_47 ENSUITE		110	-	-
01_47 BEDROOM		125	-	-
01_50 BEDROOM		125	-	-
01_51 ENSUITE		110	-	-
01_51 BEDROOM		125	-	-
01_52 ENSUITE		110	-	-
01_52 BEDROOM		125	-	-
01_BATHROOM ASSISTED		110	-	-
01_CIRC		130	-	-
01_DINING/KITCHENETTE		125	-	-
01_LOUNGE		125	-	-
01_CIRC		130	-	-
01_45 BEDROOM		125	-	-
01_45 ENSUITE		110	-	-
01_48 ENSUITE		110	-	-
01_48 BEDROOM		125	-	-
01_49 BEDROOM		125	-	-
01_49 ENSUITE		110	-	-
01_STAIR CORE 05		130	-	-
02_LOUNGE		125	-	-
02_PROTECTED LOBBY		130	-	-
02_CIRC		130	-	-
02_110 ENSUITE		110	-	-
02_110 BEDROOM		125	-	-
02_109 BEDROOM		125	-	-
02_109 ENSUITE		110	-	-
02_103 BEDROOM		125	-	-
02_103 ENSUITE		110	-	-
02_SLUICE		115	-	-
02_LOBBY		130	-	-
02_CLNRS STORE		115	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
02_NURSE STATION		125	-	-
02_WC ASSISTED		110	-	-
02_DINING/KITCHENETTE		125	-	-
02_DINING/KITCHENETTE		125	-	-
02_LOBBY		130	-	-
02_STAIRCORE 03		130	-	-
02_COMUNAL HUB ENTRANCE		130	-	-
02_HOIST STORE		115	-	-
02_STORE		115	-	-
02_WC ASSISTED		110	-	-
02_LOUNGE		125	-	-
02_PAD STORE		115	-	-
02_94 ENSUITE		110	-	-
02_94 BEDROOM		125	-	-
02_96 ENSUITE		110	-	-
02_96 BEDROOM		125	-	-
02_98 ENSUITE		110	-	-
02_98 BEDROOM		125	-	-
02_100 ENSUITE		110	-	-
02_100 BEDROOM		125	-	-
02_LINEN STORE		115	-	-
02_STAIRCORE 04		130	-	-
02_CLINICAL STORE		115	-	-
02_93 ENSUITE		110	-	-
02_SLUICE		115	-	-
02_93 BARIATRIC BEDROOM		125	-	-
02_CIRC		130	-	-
02_95 ENSUITE		110	-	-
02_95 BEDROOM		125	-	-
02_97 ENSUITE		110	-	-
02_97 BEDROOM		125	-	-
02_99 ENSUITE		110	-	-
02_99 BEDROOM		125	-	-
02_101 ENSUITE		110	-	-
02_101 BEDROOM		125	-	-
02_102 BEDROOM		125	-	-
02_102 ENSUITE		110	-	-
02_74 ENSUITE		110	-	-
02_74 BEDROOM		125	-	-
02_76 ENSUITE		110	-	-
02_76 BEDROOM		125	-	-
02_78 ENSUITE		110	-	-
02_78 BEDROOM		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
02_80 ENSUITE		110	-	-
02_80 BEDROOM		125	-	-
02_CIRC		130	-	-
02_CIRC		130	-	-
02_NURSE STATION		125	-	-
02_PAD STORE		115	-	-
02_CIRC		130	-	-
02_PROTECTED LOBBY		130	-	-
02_82 BEDROOM		125	-	-
02_82 ENSUITE		110	-	-
02_81 ENSUITE		110	-	-
02_81 BEDROOM		125	-	-
02_79 ENSUITE		110	-	-
02_79 BEDROOM		125	-	-
02_77 ENSUITE		110	-	-
02_77 BEDROOM		125	-	-
02_75 ENSUITE		110	-	-
02_75 BEDROOM		125	-	-
02_73 ENSUITE		110	-	-
02_73 BEDROOM		125	-	-
02_72 ENSUITE		110	-	-
02_72 BEDROOM		125	-	-
02_71 ENSUITE		110	-	-
02_71 BEDROOM		125	-	-
02_LOUNGE		125	-	-
02_WC ASSISTED		110	-	-
02_WC ASSISTED		110	-	-
02_DINING/KITCHENETTE		125	-	-
02_CIRC		130	-	-
02_NSV		115	-	-
02_LINEN STORE		115	-	-
02_PROTECTED LOBBY		130	-	-
02_107 BEDROOM		125	-	-
02_107 ENSUITE		110	-	-
02_108 BEDROOM		125	-	-
02_108 ENSUITE		110	-	-
02_STAIRCORE 02		130	-	-
02_SLUICE		115	-	-
02_WC STAFF		110	-	-
02_LOBBY		130	-	-
02_LOCKER ROOM		115	-	-
02_MEETING ROOM		125	-	-
02_STAFF ROOM		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
02_STAIRCORE 01		130	-	-
02_LOBBY		130	-	-
02_CLNRS STORE		115	-	-
02_CLINICAL STORE		115	-	-
02_SLUICE		115	-	-
02_83 BEDROOM		125	-	-
02_83 ENSUITE		110	-	-
02_CIRC		130	-	-
02_84 ENSUITE		110	-	-
02_84 BEDROOM		125	-	-
02_86 ENSUITE		110	-	-
02_86 BEDROOM		125	-	-
02_87 ENSUITE		110	-	-
02_87 BEDROOM		125	-	-
02_90 BEDROOM		125	-	-
02_91 ENSUITE		110	-	-
02_91 BEDROOM		125	-	-
02_92 ENSUITE		110	-	-
02_92 BEDROOM		125	-	-
02_BATHROOM ASSISTED		110	-	-
02_CIRC		130	-	-
02_DINING/KITCHENETTE		125	-	-
02_LOUNGE		125	-	-
02_CIRC		130	-	-
02_85 BEDROOM		125	-	-
02_85 ENSUITE		110	-	-
02_88 ENSUITE		110	-	-
02_88 BEDROOM		125	-	-
02_89 BEDROOM		125	-	-
02_89 ENSUITE		110	-	-
02_STAIR CORE 05		130	-	-
02_104 ENSUITE		110	-	-
02_104 BEDROOM		125	-	-
02_105 ENSUITE		110	-	-
02_105 BEDROOM		125	-	-
02_106 ENSUITE		110	-	-
02_CIRC		130	-	-
02_106 BEDROOM		125	-	-
03_LOBBY		130	-	-
03_STAIRCORE 03		130	-	-
03_HOIST STORE		115	-	-
03_WC ASSISTED		110	-	-
03_LOUNGE		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
03_PAD STORE		115	-	-
03_134 ENSUITE		110	-	-
03_134 BEDROOM		125	-	-
03_136 ENSUITE		110	-	-
03_136 BEDROOM		125	-	-
03_138 ENSUITE		110	-	-
03_138 BEDROOM		125	-	-
03_140 ENSUITE		110	-	-
03_140 BEDROOM		125	-	-
03_LINEN STORE		115	-	-
03_STAIRCORE 04		130	-	-
03_CLINICAL STORE		115	-	-
03_133 ENSUITE		110	-	-
03_SLUICE		115	-	-
03_133 BARIATRIC BEDROOM		125	-	-
03_CIRC		130	-	-
03_135 ENSUITE		110	-	-
03_135 BEDROOM		125	-	-
03_137 ENSUITE		110	-	-
03_137 BEDROOM		125	-	-
03_139 ENSUITE		110	-	-
03_139 BEDROOM		125	-	-
03_141 ENSUITE		110	-	-
03_141 BEDROOM		125	-	-
03_142 BEDROOM		125	-	-
03_142 ENSUITE		110	-	-
03_114 ENSUITE		110	-	-
03_114 BEDROOM		125	-	-
03_116 ENSUITE		110	-	-
03_116 BEDROOM		125	-	-
03_118 ENSUITE		110	-	-
03_118 BEDROOM		125	-	-
03_120 ENSUITE		110	-	-
03_120 BEDROOM		125	-	-
03_CIRC		130	-	-
03_CIRC		130	-	-
03_NURSE STATION		125	-	-
03_PAD STORE		115	-	-
03_CIRC		130	-	-
03_PROTECTED LOBBY		130	-	-
03_122 BEDROOM		125	-	-
03_122 ENSUITE		110	-	-
03_121 ENSUITE		110	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
03_121 BEDROOM		125	-	-
03_119 ENSUITE		110	-	-
03_119 BEDROOM		125	-	-
03_117 ENSUITE		110	-	-
03_117 BEDROOM		125	-	-
03_115 ENSUITE		110	-	-
03_115 BEDROOM		125	-	-
03_113 ENSUITE		110	-	-
03_113 BEDROOM		125	-	-
03_112 ENSUITE		110	-	-
03_112 BEDROOM		125	-	-
03_111 ENSUITE		110	-	-
03_111 BEDROOM		125	-	-
03_LOUNGE		125	-	-
03_WC ASSISTED		110	-	-
03_WC ASSISTED		110	-	-
03_DINING/KITCHENETTE		125	-	-
03_CIRC		130	-	-
03_NSV		115	-	-
03_LINEN STORE		115	-	-
03_PROTECTED LOBBY		130	-	-
03_STAIRCORE 02		130	-	-
03_SLUICE		115	-	-
03_WC STAFF		110	-	-
03_LOBBY		130	-	-
03_LOCKER ROOM		115	-	-
03_MEETING ROOM		125	-	-
03_STAFF ROOM		125	-	-
03_STAIRCORE 01		130	-	-
03_LOBBY		130	-	-
03_CLNRS STORE		115	-	-
03_CLINICAL STORE		115	-	-
03_SLUICE		115	-	-
03_123 BEDROOM		125	-	-
03_123 ENSUITE		110	-	-
03_CIRC		130	-	-
03_124 ENSUITE		110	-	-
03_124 BEDROOM		125	-	-
03_126 ENSUITE		110	-	-
03_126 BEDROOM		125	-	-
03_127 ENSUITE		110	-	-
03_127 BEDROOM		125	-	-
03_130 BEDROOM		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
03_131 ENSUITE		110	-	-
03_131 BEDROOM		125	-	-
03_132 ENSUITE		110	-	-
03_132 BEDROOM		125	-	-
03_BATHROOM ASSISTED		110	-	-
03_CIRC		130	-	-
03_DINING/KITCHENETTE		125	-	-
03_LOUNGE		125	-	-
03_125 BEDROOM		125	-	-
03_125 ENSUITE		110	-	-
03_128 ENSUITE		110	-	-
03_128 BEDROOM		125	-	-
03_129 BEDROOM		125	-	-
03_129 ENSUITE		110	-	-
03_COMUNAL HUB ENTRANCE		130	-	-
03_CIRC		130	-	-
03_CAFE/BAR STORE		115	-	-
03_DINING/KITCHENETTE		125	-	-
03_CAFE & LOUNGE		125	-	-
04_145 ENSUITE		110	-	-
04_145 BEDROOM		125	-	-
04_149 ENSUITE		110	-	-
04_149 BEDROOM		125	-	-
04_151 ENSUITE		110	-	-
04_151 BEDROOM		125	-	-
04_WC ASSISTED		110	-	-
04_WC ASSISTED		110	-	-
04_NSV		115	-	-
04_STAIRCORE 02		130	-	-
04_STAIRCORE 01		130	-	-
04_DINING/KITCHENETTE		125	-	-
04_MEETING ROOM		125	-	-
04_LOBBY		130	-	-
04_STAFF ROOM		125	-	-
04_DINING/KITCHENETTE		125	-	-
04_HOIST STORE		115	-	-
04_LOUNGE		125	-	-
04_147 BEDROOM		125	-	-
04_147 ENSUITE		110	-	-
04_LINEN STORE		115	-	-
04_PROTECTED LOBBY		130	-	-
04_PROTECTED LOBBY		130	-	-
04_CLINICAL STORE		115	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
04_SLUICE		115	-	-
04_NURSE STATION		125	-	-
04_LINEN STORE		115	-	-
04_152 ENSUITE		110	-	-
04_152 BEDROOM		125	-	-
04_150 ENSUITE		110	-	-
04_150 BEDROOM		125	-	-
04_148 ENSUITE		110	-	-
04_148 BEDROOM		125	-	-
04_146 ENSUITE		110	-	-
04_146 BEDROOM		125	-	-
04_144 ENSUITE		110	-	-
04_144 BEDROOM		125	-	-
04_143 BEDROOM		125	-	-
04_143 ENSUITE		110	-	-
04_CIRC		130	-	-
04_CIRC		130	-	-
04_PROTECTED LOBBY		130	-	-
04_CLNRS STORE		115	-	-
04_PAD STORE		115	-	-
04_157 ENSUITE		110	-	-
04_157 BARIATRIC BEDROOM		125	-	-
04_LOUNGE		125	-	-
04_155 BEDROOM		125	-	-
04_155 ENSUITE		110	-	-
04_SLUICE		115	-	-
04_LINEN STORE		115	-	-
04_CIRC		130	-	-
04_CIRC		130	-	-
04_STORE		115	-	-
04_BATHROOM ASSISTED		110	-	-
04_STORE		115	-	-
04_STAIRCORE 03		130	-	-
04_STORE		115	-	-
04_160 BEDROOM		125	-	-
04_160 ENSUITE		110	-	-
04_159 ENSUITE		110	-	-
04_159 BEDROOM		125	-	-
04_158 ENSUITE		110	-	-
04_158 BEDROOM		125	-	-
04_156 BEDROOM		125	-	-
04_156 ENSUITE		110	-	-
04_154 BEDROOM		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
04_154 ENSUITE		110	-	-
04_153 BARIATRIC BEDROOM		125	-	-
04_153 ENSUITE		110	-	-
BM_LOBBY		130	-	-
BM_REFUSE STORE		140	-	-
BM_STAIRCORE 01		130	-	-
BM_STORE		115	-	-
BM_COLD STORE		115	-	-
BM_DRY STORE		115	-	-
BM_STAIRCORE 03		130	-	-
BM_CIRC		130	-	-
BM_CIRC		130	-	-
BM_LAUNDRY		140	-	-
BM_STORE		115	-	-
BM_STAFF WC		110	-	-
BM_BATTERY STORAGE		140	-	-
BM_PLANT ROOM		140	-	-
BM_WATER TANK		140	-	-
BM_KITCHEN STAFF CHANGING		110	-	-
BM_KITCHEN STAFF SHOWER		110	-	-
BM_COMMS ROOM		140	-	-
BM_GENERAL STORE		115	-	-
BM_LOBBY		130	-	-
BM_CIRC		130	-	-
BM_KITCHEN		125	-	-
BM_MAINTENANCE OFFICE		125	-	-
BM_CLEANER STORE		115	-	-
BM_CHEF OFFICE		125	-	-
BM_STAFF WC		110	-	-
BM_STAFF CHANGING		110	-	-
BM_STAFF WC		110	-	-
BM_STAFF SHOWER		110	-	-
BM_STAFF SHOWER		110	-	-
BM_STAFF SHOWER		110	-	-
01_50 ENSUITE		110	-	-
02_90 ENSUITE		110	-	-
03_130 ENSUITE		110	-	-
03_NURSE STATION		125	-	-
03_CAFE LOBBY		130	-	-

The spaces in the building should have appropriate passive control measures to limit solar gains in summer

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
00_LOUNGE	NO (-79.6%)	NO
00_30 ENSUITE	N/A	N/A
00_30 BEDROOM	NO (-78.7%)	NO
00_29 BEDROOM	NO (-57.7%)	NO
00_29 ENSUITE	N/A	N/A
00_26 ENSUITE	N/A	N/A
00_26 BEDROOM	NO (-67.4%)	NO
00_25 BEDROOM	NO (-57.8%)	NO
00_25 ENSUITE	N/A	N/A
00_24 BEDROOM	NO (-67.4%)	NO
00_24 ENSUITE	N/A	N/A
00_23 BEDROOM	NO (-61%)	NO
00_23 ENSUITE	N/A	N/A
00_RECEPTION/ADMIN	N/A	N/A
00_CLINICAL TREATMENT 01	NO (-43.7%)	NO
00_CLINICAL TREATMENT 02	NO (-52.1%)	NO
00_GP & EXTERNAL MEDICAL CONSULTING	N/A	N/A
00_GENERAL MANAGER OFFICE	NO (-43%)	NO
00_MEET & GREET	NO (-44.2%)	NO
00_RECEPTION	N/A	N/A
00_CCTV	N/A	N/A
00_HAIR & BEAUTY SALON	NO (-49.6%)	NO
00_CAFE/SERVERY	NO (-57.4%)	NO
00_NURSE STATION	N/A	N/A
00_DINING/KITCHENETTE	NO (-65.5%)	NO
00_DINING/KITCHENETTE	NO (-65.7%)	NO
00_LOUNGE	NO (-84.1%)	NO
00_14 ENSUITE	N/A	N/A
00_14 BEDROOM	NO (-52.3%)	NO
00_16 ENSUITE	N/A	N/A
00_16 BEDROOM	NO (-46.8%)	NO
00_18 ENSUITE	N/A	N/A
00_18 BEDROOM	NO (-45.1%)	NO
00_20 ENSUITE	N/A	N/A
00_20 BEDROOM	NO (-44.9%)	NO
00_13 ENSUITE	NO (-90.2%)	NO
00_13 BARIATRIC BEDROOM	NO (-80.5%)	NO
00_15 ENSUITE	N/A	N/A
00_15 BEDROOM	NO (-78.6%)	NO
00_17 ENSUITE	N/A	N/A
00_17 BEDROOM	NO (-77%)	NO
00_19 ENSUITE	N/A	N/A
00_19 BEDROOM	NO (-75.6%)	NO
00_21 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
00_21 BEDROOM	NO (-74.4%)	NO
00_22 BEDROOM	NO (-57.9%)	NO
00_22 ENSUITE	N/A	N/A
00_04 ENSUITE	N/A	N/A
00_04 BEDROOM	NO (-63.5%)	NO
00_06 ENSUITE	N/A	N/A
00_06 BEDROOM	NO (-58.7%)	NO
00_08 ENSUITE	N/A	N/A
00_08 BEDROOM	NO (-55.3%)	NO
00_10 ENSUITE	N/A	N/A
00_10 BEDROOM	NO (-54.3%)	NO
00_NURSE STATION	N/A	N/A
00_12 BEDROOM	NO (-57.4%)	NO
00_12 ENSUITE	N/A	N/A
00_11 ENSUITE	N/A	N/A
00_11 BEDROOM	NO (-75.3%)	NO
00_09 ENSUITE	N/A	N/A
00_09 BEDROOM	NO (-75.4%)	NO
00_07 ENSUITE	N/A	N/A
00_07 BEDROOM	NO (-79.4%)	NO
00_05 ENSUITE	N/A	N/A
00_05 BEDROOM	NO (-75%)	NO
00_03 ENSUITE	N/A	N/A
00_03 BEDROOM	NO (-78.4%)	NO
00_02 ENSUITE	N/A	N/A
00_02 BEDROOM	NO (-75.2%)	NO
00_01 ENSUITE	N/A	N/A
00_01 BEDROOM	NO (-75%)	NO
00_LOUNGE	NO (-89.5%)	NO
00_FAITH/CINEMA	NO (-90.5%)	NO
00_DINING/KITCHENETTE	NO (-73%)	NO
00_LOUNGE/KITCHENETTE	NO (-71.6%)	NO
00_27 BEDROOM	NO (-48%)	NO
00_27 ENSUITE	N/A	N/A
00_28 BEDROOM	NO (-45.3%)	NO
00_28 ENSUITE	N/A	N/A
01_LOUNGE	NO (-87.8%)	NO
01_70 ENSUITE	N/A	N/A
01_70 BEDROOM	NO (-84.3%)	NO
01_69 BEDROOM	NO (-69%)	NO
01_69 ENSUITE	N/A	N/A
01_66 ENSUITE	N/A	N/A
01_66 BEDROOM	NO (-67.4%)	NO
01_65 BEDROOM	NO (-57.8%)	NO
01_65 ENSUITE	N/A	N/A
01_64 BEDROOM	NO (-67.4%)	NO
01_64 ENSUITE	N/A	N/A
01_63 BEDROOM	NO (-71.3%)	NO
01_63 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
01_NURSE STATION	N/A	N/A
01_DINING/KITCHENETTE	NO (-70.6%)	NO
01_DINING/KITCHENETTE	NO (-71.1%)	NO
01_COMUNAL HUB ENTRANCE	N/A	N/A
01_LOUNGE	NO (-90%)	NO
01_54 ENSUITE	N/A	N/A
01_54 BEDROOM	NO (-75.7%)	NO
01_56 ENSUITE	N/A	N/A
01_56 BEDROOM	NO (-73.3%)	NO
01_58 ENSUITE	N/A	N/A
01_58 BEDROOM	NO (-73%)	NO
01_60 ENSUITE	N/A	N/A
01_60 BEDROOM	NO (-73%)	NO
01_53 ENSUITE	NO (-92%)	NO
01_53 BARIATRIC BEDROOM	NO (-89.5%)	NO
01_55 ENSUITE	N/A	N/A
01_55 BEDROOM	NO (-88.6%)	NO
01_57 ENSUITE	N/A	N/A
01_57 BEDROOM	NO (-87.8%)	NO
01_59 ENSUITE	N/A	N/A
01_59 BEDROOM	NO (-87.4%)	NO
01_61 ENSUITE	N/A	N/A
01_61 BEDROOM	NO (-86.4%)	NO
01_62 BEDROOM	NO (-78.2%)	NO
01_62 ENSUITE	N/A	N/A
01_34 ENSUITE	N/A	N/A
01_34 BEDROOM	NO (-81.3%)	NO
01_36 ENSUITE	N/A	N/A
01_36 BEDROOM	NO (-78.4%)	NO
01_38 ENSUITE	N/A	N/A
01_38 BEDROOM	NO (-76.8%)	NO
01_40 ENSUITE	N/A	N/A
01_40 BEDROOM	NO (-76.8%)	NO
01_NURSE STATION	N/A	N/A
01_42 BEDROOM	NO (-75.2%)	NO
01_42 ENSUITE	N/A	N/A
01_41 ENSUITE	N/A	N/A
01_41 BEDROOM	NO (-81.9%)	NO
01_39 ENSUITE	N/A	N/A
01_39 BEDROOM	NO (-81.9%)	NO
01_37 ENSUITE	N/A	N/A
01_37 BEDROOM	NO (-79.4%)	NO
01_35 ENSUITE	N/A	N/A
01_35 BEDROOM	NO (-75%)	NO
01_33 ENSUITE	N/A	N/A
01_33 BEDROOM	NO (-78.4%)	NO
01_32 ENSUITE	N/A	N/A
01_32 BEDROOM	NO (-81.8%)	NO
01_31 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
01_31 BEDROOM	NO (-81.7%)	NO
01_LOUNGE	NO (-93.2%)	NO
01_DINING/KITCHENETTE	NO (-74.1%)	NO
01_67 BEDROOM	NO (-75%)	NO
01_67 ENSUITE	N/A	N/A
01_68 BEDROOM	NO (-73.9%)	NO
01_68 ENSUITE	N/A	N/A
01_MEETING ROOM	NO (-72.3%)	NO
01_STAFF ROOM	NO (-46%)	NO
01_43 BEDROOM	NO (-75.7%)	NO
01_43 ENSUITE	N/A	N/A
01_44 ENSUITE	N/A	N/A
01_44 BEDROOM	NO (-78.8%)	NO
01_46 ENSUITE	N/A	N/A
01_46 BEDROOM	NO (-75.1%)	NO
01_47 ENSUITE	N/A	N/A
01_47 BEDROOM	NO (-78.5%)	NO
01_50 BEDROOM	NO (-75.2%)	NO
01_51 ENSUITE	N/A	N/A
01_51 BEDROOM	NO (-75.5%)	NO
01_52 ENSUITE	N/A	N/A
01_52 BEDROOM	NO (-74%)	NO
01_DINING/KITCHENETTE	NO (-77.5%)	NO
01_LOUNGE	NO (-88.4%)	NO
01_45 BEDROOM	NO (-78.4%)	NO
01_45 ENSUITE	N/A	N/A
01_48 ENSUITE	N/A	N/A
01_48 BEDROOM	NO (-81.5%)	NO
01_49 BEDROOM	NO (-86.8%)	NO
01_49 ENSUITE	N/A	N/A
02_LOUNGE	NO (-74.4%)	NO
02_110 ENSUITE	N/A	N/A
02_110 BEDROOM	NO (-80.5%)	NO
02_109 BEDROOM	NO (-61%)	NO
02_109 ENSUITE	N/A	N/A
02_103 BEDROOM	NO (-69.9%)	NO
02_103 ENSUITE	N/A	N/A
02_NURSE STATION	N/A	N/A
02_DINING/KITCHENETTE	NO (-51.3%)	NO
02_DINING/KITCHENETTE	NO (-47.6%)	NO
02_COMUNAL HUB ENTRANCE	N/A	N/A
02_LOUNGE	NO (-80.3%)	NO
02_94 ENSUITE	N/A	N/A
02_94 BEDROOM	NO (-73.5%)	NO
02_96 ENSUITE	N/A	N/A
02_96 BEDROOM	NO (-72.8%)	NO
02_98 ENSUITE	N/A	N/A
02_98 BEDROOM	NO (-72.5%)	NO
02_100 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
02_100 BEDROOM	NO (-72.7%)	NO
02_93 ENSUITE	NO (-91.2%)	NO
02_93 BARIATRIC BEDROOM	NO (-88.3%)	NO
02_95 ENSUITE	N/A	N/A
02_95 BEDROOM	NO (-87.2%)	NO
02_97 ENSUITE	N/A	N/A
02_97 BEDROOM	NO (-86.7%)	NO
02_99 ENSUITE	N/A	N/A
02_99 BEDROOM	NO (-86.2%)	NO
02_101 ENSUITE	N/A	N/A
02_101 BEDROOM	NO (-85.4%)	NO
02_102 BEDROOM	NO (-77.8%)	NO
02_102 ENSUITE	N/A	N/A
02_74 ENSUITE	N/A	N/A
02_74 BEDROOM	NO (-79.7%)	NO
02_76 ENSUITE	N/A	N/A
02_76 BEDROOM	NO (-76.6%)	NO
02_78 ENSUITE	N/A	N/A
02_78 BEDROOM	NO (-75.2%)	NO
02_80 ENSUITE	N/A	N/A
02_80 BEDROOM	NO (-75.4%)	NO
02_NURSE STATION	N/A	N/A
02_82 BEDROOM	NO (-75.2%)	NO
02_82 ENSUITE	N/A	N/A
02_81 ENSUITE	N/A	N/A
02_81 BEDROOM	NO (-81.9%)	NO
02_79 ENSUITE	N/A	N/A
02_79 BEDROOM	NO (-81.9%)	NO
02_77 ENSUITE	N/A	N/A
02_77 BEDROOM	NO (-79.4%)	NO
02_75 ENSUITE	N/A	N/A
02_75 BEDROOM	NO (-75%)	NO
02_73 ENSUITE	N/A	N/A
02_73 BEDROOM	NO (-78.4%)	NO
02_72 ENSUITE	N/A	N/A
02_72 BEDROOM	NO (-81.8%)	NO
02_71 ENSUITE	N/A	N/A
02_71 BEDROOM	NO (-81.7%)	NO
02_LOUNGE	NO (-92.7%)	NO
02_DINING/KITCHENETTE	NO (-75.5%)	NO
02_107 BEDROOM	NO (-65.8%)	NO
02_107 ENSUITE	N/A	N/A
02_108 BEDROOM	NO (-64.7%)	NO
02_108 ENSUITE	N/A	N/A
02_MEETING ROOM	NO (-72.3%)	NO
02_STAFF ROOM	NO (-46%)	NO
02_83 BEDROOM	NO (-69.7%)	NO
02_83 ENSUITE	N/A	N/A
02_84 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
02_84 BEDROOM	NO (-64.8%)	NO
02_86 ENSUITE	N/A	N/A
02_86 BEDROOM	NO (-58.7%)	NO
02_87 ENSUITE	N/A	N/A
02_87 BEDROOM	NO (-64.4%)	NO
02_90 BEDROOM	NO (-69.2%)	NO
02_91 ENSUITE	N/A	N/A
02_91 BEDROOM	NO (-69.5%)	NO
02_92 ENSUITE	N/A	N/A
02_92 BEDROOM	NO (-73.4%)	NO
02_DINING/KITCHENETTE	NO (-78.2%)	NO
02_LOUNGE	NO (-88.7%)	NO
02_85 BEDROOM	NO (-76.1%)	NO
02_85 ENSUITE	N/A	N/A
02_88 ENSUITE	N/A	N/A
02_88 BEDROOM	NO (-78%)	NO
02_89 BEDROOM	NO (-85.4%)	NO
02_89 ENSUITE	N/A	N/A
02_104 ENSUITE	N/A	N/A
02_104 BEDROOM	NO (-74%)	NO
02_105 ENSUITE	N/A	N/A
02_105 BEDROOM	NO (-62.1%)	NO
02_106 ENSUITE	N/A	N/A
02_106 BEDROOM	NO (-62.2%)	NO
03_LOUNGE	NO (-71.9%)	NO
03_134 ENSUITE	N/A	N/A
03_134 BEDROOM	NO (-64.8%)	NO
03_136 ENSUITE	N/A	N/A
03_136 BEDROOM	NO (-64.3%)	NO
03_138 ENSUITE	N/A	N/A
03_138 BEDROOM	NO (-64.3%)	NO
03_140 ENSUITE	N/A	N/A
03_140 BEDROOM	NO (-64.7%)	NO
03_133 ENSUITE	NO (-90.1%)	NO
03_133 BARIATRIC BEDROOM	NO (-86.9%)	NO
03_135 ENSUITE	N/A	N/A
03_135 BEDROOM	NO (-85.7%)	NO
03_137 ENSUITE	N/A	N/A
03_137 BEDROOM	NO (-85.2%)	NO
03_139 ENSUITE	N/A	N/A
03_139 BEDROOM	NO (-84.8%)	NO
03_141 ENSUITE	N/A	N/A
03_141 BEDROOM	NO (-84.3%)	NO
03_142 BEDROOM	NO (-81%)	NO
03_142 ENSUITE	N/A	N/A
03_114 ENSUITE	N/A	N/A
03_114 BEDROOM	NO (-68.1%)	NO
03_116 ENSUITE	N/A	N/A
03_116 BEDROOM	NO (-67.6%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
03_118 ENSUITE	N/A	N/A
03_118 BEDROOM	NO (-66.3%)	NO
03_120 ENSUITE	N/A	N/A
03_120 BEDROOM	NO (-66.9%)	NO
03_NURSE STATION	N/A	N/A
03_122 BEDROOM	NO (-75.2%)	NO
03_122 ENSUITE	N/A	N/A
03_121 ENSUITE	N/A	N/A
03_121 BEDROOM	NO (-81.9%)	NO
03_119 ENSUITE	N/A	N/A
03_119 BEDROOM	NO (-81.9%)	NO
03_117 ENSUITE	N/A	N/A
03_117 BEDROOM	NO (-79.4%)	NO
03_115 ENSUITE	N/A	N/A
03_115 BEDROOM	NO (-75%)	NO
03_113 ENSUITE	N/A	N/A
03_113 BEDROOM	NO (-78.4%)	NO
03_112 ENSUITE	N/A	N/A
03_112 BEDROOM	NO (-81.8%)	NO
03_111 ENSUITE	N/A	N/A
03_111 BEDROOM	NO (-81.7%)	NO
03_LOUNGE	NO (-76.9%)	NO
03_DINING/KITCHENETTE	NO (-53%)	NO
03_MEETING ROOM	NO (-72.3%)	NO
03_STAFF ROOM	NO (-45%)	NO
03_123 BEDROOM	NO (-69.6%)	NO
03_123 ENSUITE	N/A	N/A
03_124 ENSUITE	N/A	N/A
03_124 BEDROOM	NO (-64.8%)	NO
03_126 ENSUITE	N/A	N/A
03_126 BEDROOM	NO (-58.7%)	NO
03_127 ENSUITE	N/A	N/A
03_127 BEDROOM	NO (-64.4%)	NO
03_130 BEDROOM	NO (-69.2%)	NO
03_131 ENSUITE	N/A	N/A
03_131 BEDROOM	NO (-69.4%)	NO
03_132 ENSUITE	N/A	N/A
03_132 BEDROOM	NO (-77.3%)	NO
03_DINING/KITCHENETTE	NO (-54.9%)	NO
03_LOUNGE	NO (-78.9%)	NO
03_125 BEDROOM	NO (-73.5%)	NO
03_125 ENSUITE	N/A	N/A
03_128 ENSUITE	N/A	N/A
03_128 BEDROOM	NO (-74.4%)	NO
03_129 BEDROOM	NO (-82.1%)	NO
03_129 ENSUITE	N/A	N/A
03_COMUNAL HUB ENTRANCE	N/A	N/A
03_CAFE/BAR STORE	N/A	N/A
03_DINING/KITCHENETTE	NO (-59.8%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
03_CAFE & LOUNGE	NO (-61.7%)	NO
04_145 ENSUITE	N/A	N/A
04_145 BEDROOM	NO (-65.7%)	NO
04_149 ENSUITE	N/A	N/A
04_149 BEDROOM	NO (-64.2%)	NO
04_151 ENSUITE	N/A	N/A
04_151 BEDROOM	NO (-64.9%)	NO
04_DINING/KITCHENETTE	NO (-62.3%)	NO
04_MEETING ROOM	NO (-58.5%)	NO
04_STAFF ROOM	NO (-77.3%)	NO
04_DINING/KITCHENETTE	N/A	N/A
04_LOUNGE	NO (-78.8%)	NO
04_147 BEDROOM	NO (-65.4%)	NO
04_147 ENSUITE	N/A	N/A
04_NURSE STATION	N/A	N/A
04_152 ENSUITE	N/A	N/A
04_152 BEDROOM	NO (-72.9%)	NO
04_150 ENSUITE	N/A	N/A
04_150 BEDROOM	NO (-79.4%)	NO
04_148 ENSUITE	N/A	N/A
04_148 BEDROOM	NO (-79.4%)	NO
04_146 ENSUITE	N/A	N/A
04_146 BEDROOM	NO (-79.1%)	NO
04_144 ENSUITE	N/A	N/A
04_144 BEDROOM	NO (-79.4%)	NO
04_143 BEDROOM	NO (-79.9%)	NO
04_143 ENSUITE	N/A	N/A
04_157 ENSUITE	NO (-51.7%)	NO
04_157 BARIATRIC BEDROOM	NO (-65.1%)	NO
04_LOUNGE	NO (-51.7%)	NO
04_155 BEDROOM	NO (-71%)	NO
04_155 ENSUITE	N/A	N/A
04_160 BEDROOM	NO (-61.7%)	NO
04_160 ENSUITE	N/A	N/A
04_159 ENSUITE	N/A	N/A
04_159 BEDROOM	NO (-69.1%)	NO
04_158 ENSUITE	N/A	N/A
04_158 BEDROOM	NO (-69%)	NO
04_156 BEDROOM	NO (-66.9%)	NO
04_156 ENSUITE	N/A	N/A
04_154 BEDROOM	NO (-66.5%)	NO
04_154 ENSUITE	N/A	N/A
04_153 BARIATRIC BEDROOM	NO (-62.6%)	NO
04_153 ENSUITE	NO (-55.9%)	NO
BM_LAUNDRY	NO (-79.4%)	NO
BM_COMMS ROOM	N/A	N/A
BM_MAINTENANCE OFFICE	N/A	N/A
BM_CHEF OFFICE	N/A	N/A
01_50 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
02_90 ENSUITE	N/A	N/A
03_130 ENSUITE	N/A	N/A
03_NURSE STATION	N/A	N/A

Regulation 25A: Consideration of high efficiency alternative energy systems

Were alternative energy systems considered and analysed as part of the design process?	YES
Is evidence of such assessment available as a separate submission?	YES
Are any such measures included in the proposed design?	YES

Technical Data Sheet (Actual vs. Notional Building)

Building Global Parameters

	Actual	Notional
Floor area [m ²]	8453.2	8453.2
External area [m ²]	8745.1	8745.1
Weather	LON	LON
Infiltration [m ³ /hm ² @ 50Pa]	3	3
Average conductance [W/K]	1771.83	3439.54
Average U-value [W/m ² K]	0.2	0.39
Alpha value* [%]	25.18	10

* Percentage of the building's average heat transfer coefficient which is due to thermal bridging

Building Use

% Area Building Type

Retail/Financial and Professional Services
 Restaurants and Cafes/Drinking Establishments/Takeaways
 Offices and Workshop Businesses
 General Industrial and Special Industrial Groups
 Storage or Distribution
 Hotels

100 Residential Institutions: Hospitals and Care Homes

Residential Institutions: Residential Schools
 Residential Institutions: Universities and Colleges
 Secure Residential Institutions
 Residential Spaces
 Non-residential Institutions: Community/Day Centre
 Non-residential Institutions: Libraries, Museums, and Galleries
 Non-residential Institutions: Education
 Non-residential Institutions: Primary Health Care Building
 Non-residential Institutions: Crown and County Courts
 General Assembly and Leisure, Night Clubs, and Theatres
 Others: Passenger Terminals
 Others: Emergency Services
 Others: Miscellaneous 24hr Activities
 Others: Car Parks 24 hrs
 Others: Stand Alone Utility Block

Energy Consumption by End Use [kWh/m²]

	Actual	Notional
Heating	2.97	4.22
Cooling	2.85	3.94
Auxiliary	13.37	15.24
Lighting	11.39	14.08
Hot water	27.76	27.56
Equipment*	48.84	48.84
TOTAL**	58.34	65.04

* Energy used by equipment does not count towards the total for consumption or calculating emissions.

** Total is net of any electrical energy displaced by CHP generators, if applicable.

Energy Production by Technology [kWh/m²]

	Actual	Notional
Photovoltaic systems	0	0
Wind turbines	0	0
CHP generators	0	0
Solar thermal systems	0	0
<i>Displaced electricity</i>	<i>0</i>	<i>0</i>

Energy & CO₂ Emissions Summary

	Actual	Notional
Heating + cooling demand [MJ/m ²]	76.73	107.97
Primary energy [kWh _{PE} /m ²]	88.24	95.98
Total emissions [kg/m ²]	8.09	8.81

HVAC Systems Performance									
System Type	Heat dem MJ/m2	Cool dem MJ/m2	Heat con kWh/m2	Cool con kWh/m2	Aux con kWh/m2	Heat SSEFF	Cool SSEER	Heat gen SEFF	Cool gen SEER
[ST] Fan coil systems, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	27.5	22.1	2.8	1.3	18.6	2.76	4.79	3.08	5.79
Notional	39.3	28.7	3.9	1.7	21.5	2.78	4.63	----	----
[ST] Split or multi-split system, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	0.7	155	0.1	9.9	3.9	3.02	4.33	3.08	5.79
Notional	1.3	243.8	0.1	14.6	6.9	2.78	4.63	----	----
[ST] Central heating using water: radiators, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	169.8	0	16.3	0	2.5	2.89	0	3.08	0
Notional	239.8	0	24	0	2.5	2.78	0	----	----
[ST] Central heating using air distribution, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	32.4	0	2.6	0	15.6	3.5	0	3.08	0
Notional	34.8	0	3.5	0	17	2.78	0	----	----
[ST] Central heating using water: radiators, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	13.1	0	1.3	0	19.2	2.89	0	3.08	0
Notional	11.7	0	1.2	0	10.1	2.78	0	----	----
[ST] Central heating using air distribution, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	0	0	0	0	42.4	3.5	0	3.08	0
Notional	0	0	0	0	47.7	2.78	0	----	----
[ST] Split or multi-split system, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	4	306.3	0.4	19.7	1.7	3.02	4.33	3.08	5.79
Notional	4.6	402.6	0.5	24.1	3	2.78	4.63	----	----
[ST] Central heating using water: radiators, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	0	0	0	0	2.8	2.89	0	3.08	0
Notional	0	0	0	0	4.1	2.78	0	----	----
[ST] Single room cooling system, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	0	0	0	0	0	3.02	4.33	3.08	5.79
Notional	0	0	0	0	0	2.78	4.63	----	----
[ST] No Heating or Cooling									
Actual	0	0	0	0	0	0	0	0	0
Notional	0	0	0	0	0	0	0	----	----

Key to terms

Heat dem [MJ/m2]	= Heating energy demand
Cool dem [MJ/m2]	= Cooling energy demand
Heat con [kWh/m2]	= Heating energy consumption
Cool con [kWh/m2]	= Cooling energy consumption
Aux con [kWh/m2]	= Auxiliary energy consumption
Heat SSEFF	= Heating system seasonal efficiency (for notional building, value depends on activity glazing class)
Cool SSEER	= Cooling system seasonal energy efficiency ratio
Heat gen SSEFF	= Heating generator seasonal efficiency
Cool gen SSEER	= Cooling generator seasonal energy efficiency ratio
ST	= System type
HS	= Heat source
HFT	= Heating fuel type
CFT	= Cooling fuel type

Project name

Cricket Field Rd - GREEN

As designed

Date: Fri Oct 02 10:12:33 2026

Administrative information

Building Details

Address: Cricket Field Rd - GREEN, Uxbridge, UB8 2NZ

Certifier details

Name: Davies Partnership

Telephone number: +44 1244 315 568

Address: Davies Partnership, Cestrian House, Lightfoot Street, Hoole, Chester, CH2 3AD

Certification tool

Calculation engine: Apache

Calculation engine version: 7.0.31

Interface to calculation engine: IES Virtual Environment

Interface to calculation engine version: 7.0.31

BRUKL compliance module version: v6.1.e.1

Foundation area [m²]: 1359.77The CO₂ emission and primary energy rates of the building must not exceed the targets

Target CO ₂ emission rate (TER), kgCO ₂ /m ² annum	8.81
Building CO ₂ emission rate (BER), kgCO ₂ /m ² annum	5.75
Target primary energy rate (TPER), kWh _{PE} /m ² annum	95.98
Building primary energy rate (BPER), kWh _{PE} /m ² annum	61.7
Do the building's emission and primary energy rates exceed the targets?	BER ≤ TER BPER ≤ TPER

The performance of the building fabric and fixed building services should achieve reasonable overall standards of energy efficiency

Fabric element	U _a -Limit	U _a -Calc	U _i -Calc	First surface with maximum value
Walls*	0.26	0.13	0.13	01000004:Surf[1]
Floors	0.18	0.1	0.1	01000004:Surf[0]
Pitched roofs	0.16	-	-	No pitched roofs in building
Flat roofs	0.18	0.1	0.1	0100001C:Surf[6]
Windows** and roof windows	1.6	1	1	01000004:Surf[3]
Rooflights***	2.2	1	1	0000000E:Surf[1]
Personnel doors [^]	1.6	-	-	No personnel doors in building
Vehicle access & similar large doors	1.3	-	-	No vehicle access doors in building
High usage entrance doors	3	-	-	No high usage entrance doors in building
U _a -Limit = Limiting area-weighted average U-values [W/(m ² K)] U _a -Calc = Calculated area-weighted average U-values [W/(m ² K)] U _i -Calc = Calculated maximum individual element U-values [W/(m ² K)] * Automatic U-value check by the tool does not apply to curtain walls whose limiting standard is similar to that for windows. ** Display windows and similar glazing are excluded from the U-value check. *** Values for rooflights refer to the horizontal position. [^] For fire doors, limiting U-value is 1.8 W/m ² K NB: Neither roof ventilators (inc. smoke vents) nor swimming pool basins are modelled or checked against the limiting standards by the tool.				

Air permeability	Limiting standard	This building
m ³ /(h.m ²) at 50 Pa	8	3

Building services

For details on the standard values listed below, system-specific guidance, and additional regulatory requirements, refer to the Approved Documents.

Whole building lighting automatic monitoring & targeting with alarms for out-of-range values	YES
Whole building electric power factor achieved by power factor correction	<0.9

1- VRF Heating & Cooling - Communal Areas [MVHR]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.5	6	0	-	0.8
Standard value	2.5*	5	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

2- AHU Heating - Corridors

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.5	-	0	1.6	0.8
Standard value	2.5*	N/A	N/A	1.9^	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					
^ Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.					

3- ASHP to Rads - Stairwells

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.5	-	0.2	-	-
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

4- FCU Heating & Cooling - Bedrooms [MVHR]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.5	6	0	1.1	0.8
Standard value	2.5*	N/A	N/A	2^	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					
^ Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.					

5- Frost Protection [Extract Vent]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.5	-	0	-	0.8
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

6- VRF Heating & Cooling - Staff Areas [MVHR]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.5	6	0	-	0.8
Standard value	2.5*	5	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

7- ASHP to Rads - Assisted Bath & Staff WC/Chng [MVHR]

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.5	-	0.2	-	0.8
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

8- Comms Room Cooling

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.5	6	-	-	0.8
Standard value	2.5*	N/A	N/A	N/A	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					

9- AHU Heating - Kitchen

	Heating efficiency	Cooling efficiency	Radiant efficiency	SFP [W/(l/s)]	HR efficiency
This system	3.5	-	-	1.6	0.8
Standard value	2.5*	N/A	N/A	1.9^	N/A
Automatic monitoring & targeting with alarms for out-of-range values for this HVAC system					YES
* Standard shown is for all types >12 kW output, except absorption and gas engine heat pumps.					
^ Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.					

1- DHW - 3500 litre storage

	Water heating efficiency	Storage loss factor [kWh/litre per day]
This building	3.65	0.005
Standard value	2*	N/A
* Standard shown is for all types except absorption and gas engine heat pumps.		

Zone-level mechanical ventilation, exhaust, and terminal units

ID	System type in the Approved Documents
A	Local supply or extract ventilation units
B	Zonal supply system where the fan is remote from the zone
C	Zonal extract system where the fan is remote from the zone
D	Zonal balanced supply and extract ventilation system
E	Local balanced supply and extract ventilation units
F	Other local ventilation units
G	Fan assisted terminal variable air volume units
H	Fan coil units
I	Kitchen extract with the fan remote from the zone and a grease filter
NB: Limiting SFP may be increased by the amounts specified in the Approved Documents if the installation includes particular components.	

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
00_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_30 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_30 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_29 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_29 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_26 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_26 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_25 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_25 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_24 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_24 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_23 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_23 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
00_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
00_RECEPTION/ADMIN	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_CLINICAL TREATMENT 01	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_CLINICAL TREATMENT 02	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_GP & EXTERNAL MEDICAL CONSULTING	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_GENERAL MANAGER OFFICE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_MEET & GREET	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_RECEPTION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_CCTV	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_DOC M WC	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_HAIR & BEAUTY SALON	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_CAFE/SERVERY	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_14 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_14 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_16 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_16 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_18 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_18 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_20 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_20 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_13 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I		Zone	Standard
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1			
00_13 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_15 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_15 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_17 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_17 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_19 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_19 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_21 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_21 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_22 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_22 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_04 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_04 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_06 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_06 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_08 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_08 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_10 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_10 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
00_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_12 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_12 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_11 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_11 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_09 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_09 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_07 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_07 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_05 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_05 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_03 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_03 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_02 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_02 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_01 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_01 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_FAITH/CINEMA	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
00_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
00_LOUNGE/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
00_27 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_27 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_28 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
00_28 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_70 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_70 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_69 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_69 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_66 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_66 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_65 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_65 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_64 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_64 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_63 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_63 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_COMUNAL HUB ENTRANCE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_54 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_54 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_56 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_56 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_58 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_58 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_60 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_60 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_53 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_53 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_55 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_55 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_57 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_57 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_59 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_59 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
01_61 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_61 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_62 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_62 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_34 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_34 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_36 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_36 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_38 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_38 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_40 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_40 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_42 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_42 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_41 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_41 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_39 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_39 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_37 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_37 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_35 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_35 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_33 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_33 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_32 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_32 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_31 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_31 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_67 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_67 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_68 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_68 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_WC STAFF	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_LOCKER ROOM	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_MEETING ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_STAFF ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
01_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
01_43 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_43 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_44 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_44 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_46 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_46 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_47 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_47 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_50 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_51 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_51 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_52 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_52 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
01_45 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_45 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_48 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_48 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_49 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
01_49 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_110 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_110 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_109 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_109 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_103 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_103 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_COMUNAL HUB ENTRANCE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_94 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_94 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_96 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_96 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
02_98 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_98 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_100 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_100 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_93 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_93 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_95 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_95 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_97 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_97 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_99 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_99 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_101 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_101 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_102 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_102 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_74 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_74 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_76 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_76 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_78 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_78 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_80 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_80 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_82 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_82 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_81 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_81 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_79 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_79 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_77 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_77 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_75 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_75 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_73 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_73 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_72 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_72 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_71 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_71 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
02_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_107 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_107 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_108 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_108 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_WC STAFF	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_MEETING ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_STAFF ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
02_83 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_83 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_84 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_84 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_86 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_86 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_87 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_87 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_90 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_91 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_91 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_92 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_92 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
02_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
02_85 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_85 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_88 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_88 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_89 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_89 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_104 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_104 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_105 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_105 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_106 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
02_106 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
03_134 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_134 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_136 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_136 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_138 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_138 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_140 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_140 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_133 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
03_133 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_135 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_135 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_137 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_137 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_139 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_139 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_141 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_141 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_142 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_142 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_114 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_114 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_116 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_116 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_118 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_118 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_120 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_120 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_122 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_122 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_121 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_121 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_119 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_119 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_117 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_117 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_115 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_115 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_113 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_113 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_112 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
03_112 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_111 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_111 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
03_WC STAFF	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_MEETING ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_STAFF ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
03_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
03_123 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_123 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_124 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_124 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_126 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_126 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_127 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_127 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_130 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_131 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_131 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_132 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_132 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
03_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_125 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_125 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_128 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_128 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_129 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_129 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
03_COMUNAL HUB ENTRANCE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_CAFE/BAR STORE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
03_CAFE & LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_145 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_145 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_149 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_149 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
ID of system type	A	B	C	D	E	F	G	H	I			
Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1		Zone	Standard
04_151 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_151 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
04_WC ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
04_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_MEETING ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_STAFF ROOM	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_DINING/KITCHENETTE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_147 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_147 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
04_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_152 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_152 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_150 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_150 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_148 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_148 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_146 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_146 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_144 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_144 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_143 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_143 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_CLNRS STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
04_157 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_157 BARIATRIC BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_LOUNGE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
04_155 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_155 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_SLUICE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
04_BATHROOM ASSISTED	-	1.1	-	-	-	-	-	-	-	-	-	N/A
04_160 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_160 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_159 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_159 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_158 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_158 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_156 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_156 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_154 BEDROOM	-	-	-	-	-	-	-	0.2	-	-	-	N/A
04_154 ENSUITE	-	-	-	-	-	-	-	0.2	-	-	-	N/A

Zone name	SFP [W/(l/s)]										HR efficiency	
	ID of system type	A	B	C	D	E	F	G	H	I		
	Standard value	0.3	1.1	0.5	2.3	2	0.5	0.5	0.4	1	Zone	Standard
04_153 BARIATRIC BEDROOM	-	-	-	-	-	-	-	-	0.2	-	-	N/A
04_153 ENSUITE	-	-	-	-	-	-	-	-	0.2	-	-	N/A
BM_REFUSE STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
BM_LAUNDRY	-	0.2	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF WC	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_KITCHEN STAFF CHANGING	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_KITCHEN STAFF SHOWER	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_MAINTENANCE OFFICE	-	0.2	-	-	-	-	-	-	-	-	-	N/A
BM_CLEANER STORE	-	-	0.3	-	-	-	-	-	-	-	-	N/A
BM_STAFF WC	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF CHANGING	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF WC	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF SHOWER	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF SHOWER	-	1.1	-	-	-	-	-	-	-	-	-	N/A
BM_STAFF SHOWER	-	1.1	-	-	-	-	-	-	-	-	-	N/A
01_50 ENSUITE	-	-	-	-	-	-	-	-	0.2	-	-	N/A
02_90 ENSUITE	-	-	-	-	-	-	-	-	0.2	-	-	N/A
03_130 ENSUITE	-	-	-	-	-	-	-	-	0.2	-	-	N/A
03_NURSE STATION	-	0.2	-	-	-	-	-	-	-	-	-	N/A

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
00_LOUNGE		125	-	-
00_1.1A STORE		115	-	-
00_STAIR CORE 05		130	-	-
00_PROTECTED LOBBY		130	-	-
00_CIRC		130	-	-
00_30 ENSUITE		110	-	-
00_30 BEDROOM		125	-	-
00_29 BEDROOM		125	-	-
00_29 ENSUITE		110	-	-
00_LINEN STORE		115	-	-
00_26 ENSUITE		110	-	-
00_26 BEDROOM		125	-	-
00_25 BEDROOM		125	-	-
00_25 ENSUITE		110	-	-
00_24 BEDROOM		125	-	-
00_24 ENSUITE		110	-	-
00_PAD STORE		115	-	-
00_23 BEDROOM		125	-	-
00_23 ENSUITE		110	-	-
00_SLUICE		115	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
00_LOBBY		130	-	-
00_CLNRS STORE		115	-	-
00_RECEPTION/ADMIN		125	125	1.08
00_CLINICAL TREATMENT 01		125	-	-
00_CLINICAL TREATMENT 02		125	-	-
00_GP & EXTERNAL MEDICAL CONSULTING		125	-	-
00_DRAUGHT LOBBY		130	-	-
00_GENERAL MANAGER OFFICE		125	-	-
00_MEET & GREET		125	-	-
00_RECEPTION		125	125	1.08
00_CCTV		125	-	-
00_DOC M WC		110	-	-
00_HAIR & BEAUTY SALON		125	-	-
00_CAFE/SERVERY		125	-	-
00_NURSE STATION		125	-	-
00_WC ASSISTED		110	-	-
00_DINING/KITCHENETTE		125	-	-
00_DINING/KITCHENETTE		125	-	-
00_BATHROOM ASSISTED		110	-	-
00_LOBBY		130	-	-
00_STAIRCORE 03		130	-	-
00_CIRC		130	-	-
00_COMUNAL HUB ENTRANCE		130	-	-
00_HOIST STORE		115	-	-
00_STORE		115	-	-
00_WC ASSISTED		110	-	-
00_LOUNGE		125	-	-
00_PAD STORE		115	-	-
00_14 ENSUITE		110	-	-
00_14 BEDROOM		125	-	-
00_16 ENSUITE		110	-	-
00_16 BEDROOM		125	-	-
00_18 ENSUITE		110	-	-
00_18 BEDROOM		125	-	-
00_20 ENSUITE		110	-	-
00_20 BEDROOM		125	-	-
00_LINEN STORE		115	-	-
00_STAIRCORE 04		130	-	-
00_CLINICAL STORE		115	-	-
00_13 ENSUITE		110	-	-
00_SLUICE		115	-	-
00_13 BARIATRIC BEDROOM		125	-	-
00_CIRC		130	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
00_15 ENSUITE		110	-	-
00_15 BEDROOM		125	-	-
00_17 ENSUITE		110	-	-
00_17 BEDROOM		125	-	-
00_19 ENSUITE		110	-	-
00_19 BEDROOM		125	-	-
00_21 ENSUITE		110	-	-
00_21 BEDROOM		125	-	-
00_22 BEDROOM		125	-	-
00_22 ENSUITE		110	-	-
00_04 ENSUITE		110	-	-
00_04 BEDROOM		125	-	-
00_06 ENSUITE		110	-	-
00_06 BEDROOM		125	-	-
00_08 ENSUITE		110	-	-
00_08 BEDROOM		125	-	-
00_10 ENSUITE		110	-	-
00_10 BEDROOM		125	-	-
00_STAIRCORE 02		130	-	-
00_STORE		115	-	-
00_CIRC		130	-	-
00_CIRC		130	-	-
00_SLUICE		115	-	-
00_CLINICAL STORE		115	-	-
00_NURSE STATION		125	-	-
00_STORE		115	-	-
00_LOBBY		130	-	-
00_PAD STORE		115	-	-
00_CIRC		130	-	-
00_PROTECTED LOBBY		130	-	-
00_12 BEDROOM		125	-	-
00_12 ENSUITE		110	-	-
00_11 ENSUITE		110	-	-
00_11 BEDROOM		125	-	-
00_09 ENSUITE		110	-	-
00_09 BEDROOM		125	-	-
00_07 ENSUITE		110	-	-
00_07 BEDROOM		125	-	-
00_05 ENSUITE		110	-	-
00_05 BEDROOM		125	-	-
00_03 ENSUITE		110	-	-
00_03 BEDROOM		125	-	-
00_02 ENSUITE		110	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
00_02 BEDROOM		125	-	-
00_01 ENSUITE		110	-	-
00_01 BEDROOM		125	-	-
00_LOUNGE		125	-	-
00_WC ASSISTED		110	-	-
00_FAITH/CINEMA		125	-	-
00_STORE		115	-	-
00_WC ASSISTED		110	-	-
00_DINING/KITCHENETTE		125	-	-
00_LOUNGE/KITCHENETTE		125	-	-
00_CYCLE/BUGGY STORE		140	-	-
00_CIRC		130	-	-
00_CIRC		130	-	-
00_NSV		115	-	-
00_LINEN STORE		115	-	-
00_PROTECTED LOBBY		130	-	-
00_STAIRCASE FROM BASEMENT		130	-	-
00_27 BEDROOM		125	-	-
00_27 ENSUITE		110	-	-
00_28 BEDROOM		125	-	-
00_28 ENSUITE		110	-	-
01_LOUNGE		125	-	-
01_PROTECTED LOBBY		130	-	-
01_CIRC		130	-	-
01_70 ENSUITE		110	-	-
01_70 BEDROOM		125	-	-
01_69 BEDROOM		125	-	-
01_69 ENSUITE		110	-	-
01_LINEN STORE		115	-	-
01_66 ENSUITE		110	-	-
01_66 BEDROOM		125	-	-
01_65 BEDROOM		125	-	-
01_65 ENSUITE		110	-	-
01_64 BEDROOM		125	-	-
01_64 ENSUITE		110	-	-
01_PAD STORE		115	-	-
01_63 BEDROOM		125	-	-
01_63 ENSUITE		110	-	-
01_SLUICE		115	-	-
01_LOBBY		130	-	-
01_CLNRS STORE		115	-	-
01_NURSE STATION		125	-	-
01_WC ASSISTED		110	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
01_DINING/KITCHENETTE		125	-	-
01_DINING/KITCHENETTE		125	-	-
01_LOBBY		130	-	-
01_STAIRCORE 03		130	-	-
01_CIRC		130	-	-
01_COMUNAL HUB ENTRANCE		130	-	-
01_HOIST STORE		115	-	-
01_STORE		115	-	-
01_WC ASSISTED		110	-	-
01_LOUNGE		125	-	-
01_PAD STORE		115	-	-
01_54 ENSUITE		110	-	-
01_54 BEDROOM		125	-	-
01_56 ENSUITE		110	-	-
01_56 BEDROOM		125	-	-
01_58 ENSUITE		110	-	-
01_58 BEDROOM		125	-	-
01_60 ENSUITE		110	-	-
01_60 BEDROOM		125	-	-
01_LINEN STORE		115	-	-
01_STAIRCORE 04		130	-	-
01_CLINICAL STORE		115	-	-
01_53 ENSUITE		110	-	-
01_SLUICE		115	-	-
01_53 BARIATRIC BEDROOM		125	-	-
01_CIRC		130	-	-
01_55 ENSUITE		110	-	-
01_55 BEDROOM		125	-	-
01_57 ENSUITE		110	-	-
01_57 BEDROOM		125	-	-
01_59 ENSUITE		110	-	-
01_59 BEDROOM		125	-	-
01_61 ENSUITE		110	-	-
01_61 BEDROOM		125	-	-
01_62 BEDROOM		125	-	-
01_62 ENSUITE		110	-	-
01_34 ENSUITE		110	-	-
01_34 BEDROOM		125	-	-
01_36 ENSUITE		110	-	-
01_36 BEDROOM		125	-	-
01_38 ENSUITE		110	-	-
01_38 BEDROOM		125	-	-
01_40 ENSUITE		110	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
01_40 BEDROOM		125	-	-
01_CIRC		130	-	-
01_CIRC		130	-	-
01_NURSE STATION		125	-	-
01_PAD STORE		115	-	-
01_CIRC		130	-	-
01_PROTECTED LOBBY		130	-	-
01_42 BEDROOM		125	-	-
01_42 ENSUITE		110	-	-
01_41 ENSUITE		110	-	-
01_41 BEDROOM		125	-	-
01_39 ENSUITE		110	-	-
01_39 BEDROOM		125	-	-
01_37 ENSUITE		110	-	-
01_37 BEDROOM		125	-	-
01_35 ENSUITE		110	-	-
01_35 BEDROOM		125	-	-
01_33 ENSUITE		110	-	-
01_33 BEDROOM		125	-	-
01_32 ENSUITE		110	-	-
01_32 BEDROOM		125	-	-
01_31 ENSUITE		110	-	-
01_31 BEDROOM		125	-	-
01_LOUNGE		125	-	-
01_WC ASSISTED		110	-	-
01_WC ASSISTED		110	-	-
01_DINING/KITCHENETTE		125	-	-
01_CIRC		130	-	-
01_NSV		115	-	-
01_LINEN STORE		115	-	-
01_PROTECTED LOBBY		130	-	-
01_67 BEDROOM		125	-	-
01_67 ENSUITE		110	-	-
01_68 BEDROOM		125	-	-
01_68 ENSUITE		110	-	-
01_STAIRCORE 02		130	-	-
01_SLUICE		115	-	-
01_WC STAFF		110	-	-
01_LOBBY		130	-	-
01_LOCKER ROOM		115	-	-
01_MEETING ROOM		125	-	-
01_STAFF ROOM		125	-	-
01_STAIRCORE 01		130	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
00_STAIRCORE 01		130	-	-
01_LOBBY		130	-	-
01_CLNRS STORE		115	-	-
01_CLINICAL STORE		115	-	-
01_SLUICE		115	-	-
01_43 BEDROOM		125	-	-
01_43 ENSUITE		110	-	-
01_CIRC		130	-	-
01_44 ENSUITE		110	-	-
01_44 BEDROOM		125	-	-
01_46 ENSUITE		110	-	-
01_46 BEDROOM		125	-	-
01_47 ENSUITE		110	-	-
01_47 BEDROOM		125	-	-
01_50 BEDROOM		125	-	-
01_51 ENSUITE		110	-	-
01_51 BEDROOM		125	-	-
01_52 ENSUITE		110	-	-
01_52 BEDROOM		125	-	-
01_BATHROOM ASSISTED		110	-	-
01_CIRC		130	-	-
01_DINING/KITCHENETTE		125	-	-
01_LOUNGE		125	-	-
01_CIRC		130	-	-
01_45 BEDROOM		125	-	-
01_45 ENSUITE		110	-	-
01_48 ENSUITE		110	-	-
01_48 BEDROOM		125	-	-
01_49 BEDROOM		125	-	-
01_49 ENSUITE		110	-	-
01_STAIR CORE 05		130	-	-
02_LOUNGE		125	-	-
02_PROTECTED LOBBY		130	-	-
02_CIRC		130	-	-
02_110 ENSUITE		110	-	-
02_110 BEDROOM		125	-	-
02_109 BEDROOM		125	-	-
02_109 ENSUITE		110	-	-
02_103 BEDROOM		125	-	-
02_103 ENSUITE		110	-	-
02_SLUICE		115	-	-
02_LOBBY		130	-	-
02_CLNRS STORE		115	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
02_NURSE STATION		125	-	-
02_WC ASSISTED		110	-	-
02_DINING/KITCHENETTE		125	-	-
02_DINING/KITCHENETTE		125	-	-
02_LOBBY		130	-	-
02_STAIRCORE 03		130	-	-
02_COMUNAL HUB ENTRANCE		130	-	-
02_HOIST STORE		115	-	-
02_STORE		115	-	-
02_WC ASSISTED		110	-	-
02_LOUNGE		125	-	-
02_PAD STORE		115	-	-
02_94 ENSUITE		110	-	-
02_94 BEDROOM		125	-	-
02_96 ENSUITE		110	-	-
02_96 BEDROOM		125	-	-
02_98 ENSUITE		110	-	-
02_98 BEDROOM		125	-	-
02_100 ENSUITE		110	-	-
02_100 BEDROOM		125	-	-
02_LINEN STORE		115	-	-
02_STAIRCORE 04		130	-	-
02_CLINICAL STORE		115	-	-
02_93 ENSUITE		110	-	-
02_SLUICE		115	-	-
02_93 BARIATRIC BEDROOM		125	-	-
02_CIRC		130	-	-
02_95 ENSUITE		110	-	-
02_95 BEDROOM		125	-	-
02_97 ENSUITE		110	-	-
02_97 BEDROOM		125	-	-
02_99 ENSUITE		110	-	-
02_99 BEDROOM		125	-	-
02_101 ENSUITE		110	-	-
02_101 BEDROOM		125	-	-
02_102 BEDROOM		125	-	-
02_102 ENSUITE		110	-	-
02_74 ENSUITE		110	-	-
02_74 BEDROOM		125	-	-
02_76 ENSUITE		110	-	-
02_76 BEDROOM		125	-	-
02_78 ENSUITE		110	-	-
02_78 BEDROOM		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
02_80 ENSUITE		110	-	-
02_80 BEDROOM		125	-	-
02_CIRC		130	-	-
02_CIRC		130	-	-
02_NURSE STATION		125	-	-
02_PAD STORE		115	-	-
02_CIRC		130	-	-
02_PROTECTED LOBBY		130	-	-
02_82 BEDROOM		125	-	-
02_82 ENSUITE		110	-	-
02_81 ENSUITE		110	-	-
02_81 BEDROOM		125	-	-
02_79 ENSUITE		110	-	-
02_79 BEDROOM		125	-	-
02_77 ENSUITE		110	-	-
02_77 BEDROOM		125	-	-
02_75 ENSUITE		110	-	-
02_75 BEDROOM		125	-	-
02_73 ENSUITE		110	-	-
02_73 BEDROOM		125	-	-
02_72 ENSUITE		110	-	-
02_72 BEDROOM		125	-	-
02_71 ENSUITE		110	-	-
02_71 BEDROOM		125	-	-
02_LOUNGE		125	-	-
02_WC ASSISTED		110	-	-
02_WC ASSISTED		110	-	-
02_DINING/KITCHENETTE		125	-	-
02_CIRC		130	-	-
02_NSV		115	-	-
02_LINEN STORE		115	-	-
02_PROTECTED LOBBY		130	-	-
02_107 BEDROOM		125	-	-
02_107 ENSUITE		110	-	-
02_108 BEDROOM		125	-	-
02_108 ENSUITE		110	-	-
02_STAIRCORE 02		130	-	-
02_SLUICE		115	-	-
02_WC STAFF		110	-	-
02_LOBBY		130	-	-
02_LOCKER ROOM		115	-	-
02_MEETING ROOM		125	-	-
02_STAFF ROOM		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
02_STAIRCORE 01		130	-	-
02_LOBBY		130	-	-
02_CLNRS STORE		115	-	-
02_CLINICAL STORE		115	-	-
02_SLUICE		115	-	-
02_83 BEDROOM		125	-	-
02_83 ENSUITE		110	-	-
02_CIRC		130	-	-
02_84 ENSUITE		110	-	-
02_84 BEDROOM		125	-	-
02_86 ENSUITE		110	-	-
02_86 BEDROOM		125	-	-
02_87 ENSUITE		110	-	-
02_87 BEDROOM		125	-	-
02_90 BEDROOM		125	-	-
02_91 ENSUITE		110	-	-
02_91 BEDROOM		125	-	-
02_92 ENSUITE		110	-	-
02_92 BEDROOM		125	-	-
02_BATHROOM ASSISTED		110	-	-
02_CIRC		130	-	-
02_DINING/KITCHENETTE		125	-	-
02_LOUNGE		125	-	-
02_CIRC		130	-	-
02_85 BEDROOM		125	-	-
02_85 ENSUITE		110	-	-
02_88 ENSUITE		110	-	-
02_88 BEDROOM		125	-	-
02_89 BEDROOM		125	-	-
02_89 ENSUITE		110	-	-
02_STAIR CORE 05		130	-	-
02_104 ENSUITE		110	-	-
02_104 BEDROOM		125	-	-
02_105 ENSUITE		110	-	-
02_105 BEDROOM		125	-	-
02_106 ENSUITE		110	-	-
02_CIRC		130	-	-
02_106 BEDROOM		125	-	-
03_LOBBY		130	-	-
03_STAIRCORE 03		130	-	-
03_HOIST STORE		115	-	-
03_WC ASSISTED		110	-	-
03_LOUNGE		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
03_PAD STORE		115	-	-
03_134 ENSUITE		110	-	-
03_134 BEDROOM		125	-	-
03_136 ENSUITE		110	-	-
03_136 BEDROOM		125	-	-
03_138 ENSUITE		110	-	-
03_138 BEDROOM		125	-	-
03_140 ENSUITE		110	-	-
03_140 BEDROOM		125	-	-
03_LINEN STORE		115	-	-
03_STAIRCORE 04		130	-	-
03_CLINICAL STORE		115	-	-
03_133 ENSUITE		110	-	-
03_SLUICE		115	-	-
03_133 BARIATRIC BEDROOM		125	-	-
03_CIRC		130	-	-
03_135 ENSUITE		110	-	-
03_135 BEDROOM		125	-	-
03_137 ENSUITE		110	-	-
03_137 BEDROOM		125	-	-
03_139 ENSUITE		110	-	-
03_139 BEDROOM		125	-	-
03_141 ENSUITE		110	-	-
03_141 BEDROOM		125	-	-
03_142 BEDROOM		125	-	-
03_142 ENSUITE		110	-	-
03_114 ENSUITE		110	-	-
03_114 BEDROOM		125	-	-
03_116 ENSUITE		110	-	-
03_116 BEDROOM		125	-	-
03_118 ENSUITE		110	-	-
03_118 BEDROOM		125	-	-
03_120 ENSUITE		110	-	-
03_120 BEDROOM		125	-	-
03_CIRC		130	-	-
03_CIRC		130	-	-
03_NURSE STATION		125	-	-
03_PAD STORE		115	-	-
03_CIRC		130	-	-
03_PROTECTED LOBBY		130	-	-
03_122 BEDROOM		125	-	-
03_122 ENSUITE		110	-	-
03_121 ENSUITE		110	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
03_121 BEDROOM		125	-	-
03_119 ENSUITE		110	-	-
03_119 BEDROOM		125	-	-
03_117 ENSUITE		110	-	-
03_117 BEDROOM		125	-	-
03_115 ENSUITE		110	-	-
03_115 BEDROOM		125	-	-
03_113 ENSUITE		110	-	-
03_113 BEDROOM		125	-	-
03_112 ENSUITE		110	-	-
03_112 BEDROOM		125	-	-
03_111 ENSUITE		110	-	-
03_111 BEDROOM		125	-	-
03_LOUNGE		125	-	-
03_WC ASSISTED		110	-	-
03_WC ASSISTED		110	-	-
03_DINING/KITCHENETTE		125	-	-
03_CIRC		130	-	-
03_NSV		115	-	-
03_LINEN STORE		115	-	-
03_PROTECTED LOBBY		130	-	-
03_STAIRCORE 02		130	-	-
03_SLUICE		115	-	-
03_WC STAFF		110	-	-
03_LOBBY		130	-	-
03_LOCKER ROOM		115	-	-
03_MEETING ROOM		125	-	-
03_STAFF ROOM		125	-	-
03_STAIRCORE 01		130	-	-
03_LOBBY		130	-	-
03_CLNRS STORE		115	-	-
03_CLINICAL STORE		115	-	-
03_SLUICE		115	-	-
03_123 BEDROOM		125	-	-
03_123 ENSUITE		110	-	-
03_CIRC		130	-	-
03_124 ENSUITE		110	-	-
03_124 BEDROOM		125	-	-
03_126 ENSUITE		110	-	-
03_126 BEDROOM		125	-	-
03_127 ENSUITE		110	-	-
03_127 BEDROOM		125	-	-
03_130 BEDROOM		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
03_131 ENSUITE		110	-	-
03_131 BEDROOM		125	-	-
03_132 ENSUITE		110	-	-
03_132 BEDROOM		125	-	-
03_BATHROOM ASSISTED		110	-	-
03_CIRC		130	-	-
03_DINING/KITCHENETTE		125	-	-
03_LOUNGE		125	-	-
03_125 BEDROOM		125	-	-
03_125 ENSUITE		110	-	-
03_128 ENSUITE		110	-	-
03_128 BEDROOM		125	-	-
03_129 BEDROOM		125	-	-
03_129 ENSUITE		110	-	-
03_COMUNAL HUB ENTRANCE		130	-	-
03_CIRC		130	-	-
03_CAFE/BAR STORE		115	-	-
03_DINING/KITCHENETTE		125	-	-
03_CAFE & LOUNGE		125	-	-
04_145 ENSUITE		110	-	-
04_145 BEDROOM		125	-	-
04_149 ENSUITE		110	-	-
04_149 BEDROOM		125	-	-
04_151 ENSUITE		110	-	-
04_151 BEDROOM		125	-	-
04_WC ASSISTED		110	-	-
04_WC ASSISTED		110	-	-
04_NSV		115	-	-
04_STAIRCORE 02		130	-	-
04_STAIRCORE 01		130	-	-
04_DINING/KITCHENETTE		125	-	-
04_MEETING ROOM		125	-	-
04_LOBBY		130	-	-
04_STAFF ROOM		125	-	-
04_DINING/KITCHENETTE		125	-	-
04_HOIST STORE		115	-	-
04_LOUNGE		125	-	-
04_147 BEDROOM		125	-	-
04_147 ENSUITE		110	-	-
04_LINEN STORE		115	-	-
04_PROTECTED LOBBY		130	-	-
04_PROTECTED LOBBY		130	-	-
04_CLINICAL STORE		115	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
04_SLUICE		115	-	-
04_NURSE STATION		125	-	-
04_LINEN STORE		115	-	-
04_152 ENSUITE		110	-	-
04_152 BEDROOM		125	-	-
04_150 ENSUITE		110	-	-
04_150 BEDROOM		125	-	-
04_148 ENSUITE		110	-	-
04_148 BEDROOM		125	-	-
04_146 ENSUITE		110	-	-
04_146 BEDROOM		125	-	-
04_144 ENSUITE		110	-	-
04_144 BEDROOM		125	-	-
04_143 BEDROOM		125	-	-
04_143 ENSUITE		110	-	-
04_CIRC		130	-	-
04_CIRC		130	-	-
04_PROTECTED LOBBY		130	-	-
04_CLNRS STORE		115	-	-
04_PAD STORE		115	-	-
04_157 ENSUITE		110	-	-
04_157 BARIATRIC BEDROOM		125	-	-
04_LOUNGE		125	-	-
04_155 BEDROOM		125	-	-
04_155 ENSUITE		110	-	-
04_SLUICE		115	-	-
04_LINEN STORE		115	-	-
04_CIRC		130	-	-
04_CIRC		130	-	-
04_STORE		115	-	-
04_BATHROOM ASSISTED		110	-	-
04_STORE		115	-	-
04_STAIRCORE 03		130	-	-
04_STORE		115	-	-
04_160 BEDROOM		125	-	-
04_160 ENSUITE		110	-	-
04_159 ENSUITE		110	-	-
04_159 BEDROOM		125	-	-
04_158 ENSUITE		110	-	-
04_158 BEDROOM		125	-	-
04_156 BEDROOM		125	-	-
04_156 ENSUITE		110	-	-
04_154 BEDROOM		125	-	-

General lighting and display lighting		General luminaire	Display light source	
Zone name		Efficacy [lm/W]	Efficacy [lm/W]	Power density [W/m²]
	Standard value	95	80	0.3
04_154 ENSUITE		110	-	-
04_153 BARIATRIC BEDROOM		125	-	-
04_153 ENSUITE		110	-	-
BM_LOBBY		130	-	-
BM_REFUSE STORE		140	-	-
BM_STAIRCORE 01		130	-	-
BM_STORE		115	-	-
BM_COLD STORE		115	-	-
BM_DRY STORE		115	-	-
BM_STAIRCORE 03		130	-	-
BM_CIRC		130	-	-
BM_CIRC		130	-	-
BM_LAUNDRY		140	-	-
BM_STORE		115	-	-
BM_STAFF WC		110	-	-
BM_BATTERY STORAGE		140	-	-
BM_PLANT ROOM		140	-	-
BM_WATER TANK		140	-	-
BM_KITCHEN STAFF CHANGING		110	-	-
BM_KITCHEN STAFF SHOWER		110	-	-
BM_COMMS ROOM		140	-	-
BM_GENERAL STORE		115	-	-
BM_LOBBY		130	-	-
BM_CIRC		130	-	-
BM_KITCHEN		125	-	-
BM_MAINTENANCE OFFICE		125	-	-
BM_CLEANER STORE		115	-	-
BM_CHEF OFFICE		125	-	-
BM_STAFF WC		110	-	-
BM_STAFF CHANGING		110	-	-
BM_STAFF WC		110	-	-
BM_STAFF SHOWER		110	-	-
BM_STAFF SHOWER		110	-	-
BM_STAFF SHOWER		110	-	-
01_50 ENSUITE		110	-	-
02_90 ENSUITE		110	-	-
03_130 ENSUITE		110	-	-
03_NURSE STATION		125	-	-
03_CAFE LOBBY		130	-	-

The spaces in the building should have appropriate passive control measures to limit solar gains in summer

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
00_LOUNGE	NO (-79.6%)	NO
00_30 ENSUITE	N/A	N/A
00_30 BEDROOM	NO (-78.7%)	NO
00_29 BEDROOM	NO (-57.7%)	NO
00_29 ENSUITE	N/A	N/A
00_26 ENSUITE	N/A	N/A
00_26 BEDROOM	NO (-67.4%)	NO
00_25 BEDROOM	NO (-57.8%)	NO
00_25 ENSUITE	N/A	N/A
00_24 BEDROOM	NO (-67.4%)	NO
00_24 ENSUITE	N/A	N/A
00_23 BEDROOM	NO (-61%)	NO
00_23 ENSUITE	N/A	N/A
00_RECEPTION/ADMIN	N/A	N/A
00_CLINICAL TREATMENT 01	NO (-43.7%)	NO
00_CLINICAL TREATMENT 02	NO (-52.1%)	NO
00_GP & EXTERNAL MEDICAL CONSULTING	N/A	N/A
00_GENERAL MANAGER OFFICE	NO (-43%)	NO
00_MEET & GREET	NO (-44.2%)	NO
00_RECEPTION	N/A	N/A
00_CCTV	N/A	N/A
00_HAIR & BEAUTY SALON	NO (-49.6%)	NO
00_CAFE/SERVERY	NO (-57.4%)	NO
00_NURSE STATION	N/A	N/A
00_DINING/KITCHENETTE	NO (-65.5%)	NO
00_DINING/KITCHENETTE	NO (-65.7%)	NO
00_LOUNGE	NO (-84.1%)	NO
00_14 ENSUITE	N/A	N/A
00_14 BEDROOM	NO (-52.3%)	NO
00_16 ENSUITE	N/A	N/A
00_16 BEDROOM	NO (-46.8%)	NO
00_18 ENSUITE	N/A	N/A
00_18 BEDROOM	NO (-45.1%)	NO
00_20 ENSUITE	N/A	N/A
00_20 BEDROOM	NO (-44.9%)	NO
00_13 ENSUITE	NO (-90.2%)	NO
00_13 BARIATRIC BEDROOM	NO (-80.5%)	NO
00_15 ENSUITE	N/A	N/A
00_15 BEDROOM	NO (-78.6%)	NO
00_17 ENSUITE	N/A	N/A
00_17 BEDROOM	NO (-77%)	NO
00_19 ENSUITE	N/A	N/A
00_19 BEDROOM	NO (-75.6%)	NO
00_21 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
00_21 BEDROOM	NO (-74.4%)	NO
00_22 BEDROOM	NO (-57.9%)	NO
00_22 ENSUITE	N/A	N/A
00_04 ENSUITE	N/A	N/A
00_04 BEDROOM	NO (-63.5%)	NO
00_06 ENSUITE	N/A	N/A
00_06 BEDROOM	NO (-58.7%)	NO
00_08 ENSUITE	N/A	N/A
00_08 BEDROOM	NO (-55.3%)	NO
00_10 ENSUITE	N/A	N/A
00_10 BEDROOM	NO (-54.3%)	NO
00_NURSE STATION	N/A	N/A
00_12 BEDROOM	NO (-57.4%)	NO
00_12 ENSUITE	N/A	N/A
00_11 ENSUITE	N/A	N/A
00_11 BEDROOM	NO (-75.3%)	NO
00_09 ENSUITE	N/A	N/A
00_09 BEDROOM	NO (-75.4%)	NO
00_07 ENSUITE	N/A	N/A
00_07 BEDROOM	NO (-79.4%)	NO
00_05 ENSUITE	N/A	N/A
00_05 BEDROOM	NO (-75%)	NO
00_03 ENSUITE	N/A	N/A
00_03 BEDROOM	NO (-78.4%)	NO
00_02 ENSUITE	N/A	N/A
00_02 BEDROOM	NO (-75.2%)	NO
00_01 ENSUITE	N/A	N/A
00_01 BEDROOM	NO (-75%)	NO
00_LOUNGE	NO (-89.5%)	NO
00_FAITH/CINEMA	NO (-90.5%)	NO
00_DINING/KITCHENETTE	NO (-73%)	NO
00_LOUNGE/KITCHENETTE	NO (-71.6%)	NO
00_27 BEDROOM	NO (-48%)	NO
00_27 ENSUITE	N/A	N/A
00_28 BEDROOM	NO (-45.3%)	NO
00_28 ENSUITE	N/A	N/A
01_LOUNGE	NO (-87.8%)	NO
01_70 ENSUITE	N/A	N/A
01_70 BEDROOM	NO (-84.3%)	NO
01_69 BEDROOM	NO (-69%)	NO
01_69 ENSUITE	N/A	N/A
01_66 ENSUITE	N/A	N/A
01_66 BEDROOM	NO (-67.4%)	NO
01_65 BEDROOM	NO (-57.8%)	NO
01_65 ENSUITE	N/A	N/A
01_64 BEDROOM	NO (-67.4%)	NO
01_64 ENSUITE	N/A	N/A
01_63 BEDROOM	NO (-71.3%)	NO
01_63 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
01_NURSE STATION	N/A	N/A
01_DINING/KITCHENETTE	NO (-70.6%)	NO
01_DINING/KITCHENETTE	NO (-71.1%)	NO
01_COMUNAL HUB ENTRANCE	N/A	N/A
01_LOUNGE	NO (-90%)	NO
01_54 ENSUITE	N/A	N/A
01_54 BEDROOM	NO (-75.7%)	NO
01_56 ENSUITE	N/A	N/A
01_56 BEDROOM	NO (-73.3%)	NO
01_58 ENSUITE	N/A	N/A
01_58 BEDROOM	NO (-73%)	NO
01_60 ENSUITE	N/A	N/A
01_60 BEDROOM	NO (-73%)	NO
01_53 ENSUITE	NO (-92%)	NO
01_53 BARIATRIC BEDROOM	NO (-89.5%)	NO
01_55 ENSUITE	N/A	N/A
01_55 BEDROOM	NO (-88.6%)	NO
01_57 ENSUITE	N/A	N/A
01_57 BEDROOM	NO (-87.8%)	NO
01_59 ENSUITE	N/A	N/A
01_59 BEDROOM	NO (-87.4%)	NO
01_61 ENSUITE	N/A	N/A
01_61 BEDROOM	NO (-86.4%)	NO
01_62 BEDROOM	NO (-78.2%)	NO
01_62 ENSUITE	N/A	N/A
01_34 ENSUITE	N/A	N/A
01_34 BEDROOM	NO (-81.3%)	NO
01_36 ENSUITE	N/A	N/A
01_36 BEDROOM	NO (-78.4%)	NO
01_38 ENSUITE	N/A	N/A
01_38 BEDROOM	NO (-76.8%)	NO
01_40 ENSUITE	N/A	N/A
01_40 BEDROOM	NO (-76.8%)	NO
01_NURSE STATION	N/A	N/A
01_42 BEDROOM	NO (-75.2%)	NO
01_42 ENSUITE	N/A	N/A
01_41 ENSUITE	N/A	N/A
01_41 BEDROOM	NO (-81.9%)	NO
01_39 ENSUITE	N/A	N/A
01_39 BEDROOM	NO (-81.9%)	NO
01_37 ENSUITE	N/A	N/A
01_37 BEDROOM	NO (-79.4%)	NO
01_35 ENSUITE	N/A	N/A
01_35 BEDROOM	NO (-75%)	NO
01_33 ENSUITE	N/A	N/A
01_33 BEDROOM	NO (-78.4%)	NO
01_32 ENSUITE	N/A	N/A
01_32 BEDROOM	NO (-81.8%)	NO
01_31 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
01_31 BEDROOM	NO (-81.7%)	NO
01_LOUNGE	NO (-93.2%)	NO
01_DINING/KITCHENETTE	NO (-74.1%)	NO
01_67 BEDROOM	NO (-75%)	NO
01_67 ENSUITE	N/A	N/A
01_68 BEDROOM	NO (-73.9%)	NO
01_68 ENSUITE	N/A	N/A
01_MEETING ROOM	NO (-72.3%)	NO
01_STAFF ROOM	NO (-46%)	NO
01_43 BEDROOM	NO (-75.7%)	NO
01_43 ENSUITE	N/A	N/A
01_44 ENSUITE	N/A	N/A
01_44 BEDROOM	NO (-78.8%)	NO
01_46 ENSUITE	N/A	N/A
01_46 BEDROOM	NO (-75.1%)	NO
01_47 ENSUITE	N/A	N/A
01_47 BEDROOM	NO (-78.5%)	NO
01_50 BEDROOM	NO (-75.2%)	NO
01_51 ENSUITE	N/A	N/A
01_51 BEDROOM	NO (-75.5%)	NO
01_52 ENSUITE	N/A	N/A
01_52 BEDROOM	NO (-74%)	NO
01_DINING/KITCHENETTE	NO (-77.5%)	NO
01_LOUNGE	NO (-88.4%)	NO
01_45 BEDROOM	NO (-78.4%)	NO
01_45 ENSUITE	N/A	N/A
01_48 ENSUITE	N/A	N/A
01_48 BEDROOM	NO (-81.5%)	NO
01_49 BEDROOM	NO (-86.8%)	NO
01_49 ENSUITE	N/A	N/A
02_LOUNGE	NO (-74.4%)	NO
02_110 ENSUITE	N/A	N/A
02_110 BEDROOM	NO (-80.5%)	NO
02_109 BEDROOM	NO (-61%)	NO
02_109 ENSUITE	N/A	N/A
02_103 BEDROOM	NO (-69.9%)	NO
02_103 ENSUITE	N/A	N/A
02_NURSE STATION	N/A	N/A
02_DINING/KITCHENETTE	NO (-51.3%)	NO
02_DINING/KITCHENETTE	NO (-47.6%)	NO
02_COMUNAL HUB ENTRANCE	N/A	N/A
02_LOUNGE	NO (-80.3%)	NO
02_94 ENSUITE	N/A	N/A
02_94 BEDROOM	NO (-73.5%)	NO
02_96 ENSUITE	N/A	N/A
02_96 BEDROOM	NO (-72.8%)	NO
02_98 ENSUITE	N/A	N/A
02_98 BEDROOM	NO (-72.5%)	NO
02_100 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
02_100 BEDROOM	NO (-72.7%)	NO
02_93 ENSUITE	NO (-91.2%)	NO
02_93 BARIATRIC BEDROOM	NO (-88.3%)	NO
02_95 ENSUITE	N/A	N/A
02_95 BEDROOM	NO (-87.2%)	NO
02_97 ENSUITE	N/A	N/A
02_97 BEDROOM	NO (-86.7%)	NO
02_99 ENSUITE	N/A	N/A
02_99 BEDROOM	NO (-86.2%)	NO
02_101 ENSUITE	N/A	N/A
02_101 BEDROOM	NO (-85.4%)	NO
02_102 BEDROOM	NO (-77.8%)	NO
02_102 ENSUITE	N/A	N/A
02_74 ENSUITE	N/A	N/A
02_74 BEDROOM	NO (-79.7%)	NO
02_76 ENSUITE	N/A	N/A
02_76 BEDROOM	NO (-76.6%)	NO
02_78 ENSUITE	N/A	N/A
02_78 BEDROOM	NO (-75.2%)	NO
02_80 ENSUITE	N/A	N/A
02_80 BEDROOM	NO (-75.4%)	NO
02_NURSE STATION	N/A	N/A
02_82 BEDROOM	NO (-75.2%)	NO
02_82 ENSUITE	N/A	N/A
02_81 ENSUITE	N/A	N/A
02_81 BEDROOM	NO (-81.9%)	NO
02_79 ENSUITE	N/A	N/A
02_79 BEDROOM	NO (-81.9%)	NO
02_77 ENSUITE	N/A	N/A
02_77 BEDROOM	NO (-79.4%)	NO
02_75 ENSUITE	N/A	N/A
02_75 BEDROOM	NO (-75%)	NO
02_73 ENSUITE	N/A	N/A
02_73 BEDROOM	NO (-78.4%)	NO
02_72 ENSUITE	N/A	N/A
02_72 BEDROOM	NO (-81.8%)	NO
02_71 ENSUITE	N/A	N/A
02_71 BEDROOM	NO (-81.7%)	NO
02_LOUNGE	NO (-92.7%)	NO
02_DINING/KITCHENETTE	NO (-75.5%)	NO
02_107 BEDROOM	NO (-65.8%)	NO
02_107 ENSUITE	N/A	N/A
02_108 BEDROOM	NO (-64.7%)	NO
02_108 ENSUITE	N/A	N/A
02_MEETING ROOM	NO (-72.3%)	NO
02_STAFF ROOM	NO (-46%)	NO
02_83 BEDROOM	NO (-69.7%)	NO
02_83 ENSUITE	N/A	N/A
02_84 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
02_84 BEDROOM	NO (-64.8%)	NO
02_86 ENSUITE	N/A	N/A
02_86 BEDROOM	NO (-58.7%)	NO
02_87 ENSUITE	N/A	N/A
02_87 BEDROOM	NO (-64.4%)	NO
02_90 BEDROOM	NO (-69.2%)	NO
02_91 ENSUITE	N/A	N/A
02_91 BEDROOM	NO (-69.5%)	NO
02_92 ENSUITE	N/A	N/A
02_92 BEDROOM	NO (-73.4%)	NO
02_DINING/KITCHENETTE	NO (-78.2%)	NO
02_LOUNGE	NO (-88.7%)	NO
02_85 BEDROOM	NO (-76.1%)	NO
02_85 ENSUITE	N/A	N/A
02_88 ENSUITE	N/A	N/A
02_88 BEDROOM	NO (-78%)	NO
02_89 BEDROOM	NO (-85.4%)	NO
02_89 ENSUITE	N/A	N/A
02_104 ENSUITE	N/A	N/A
02_104 BEDROOM	NO (-74%)	NO
02_105 ENSUITE	N/A	N/A
02_105 BEDROOM	NO (-62.1%)	NO
02_106 ENSUITE	N/A	N/A
02_106 BEDROOM	NO (-62.2%)	NO
03_LOUNGE	NO (-71.9%)	NO
03_134 ENSUITE	N/A	N/A
03_134 BEDROOM	NO (-64.8%)	NO
03_136 ENSUITE	N/A	N/A
03_136 BEDROOM	NO (-64.3%)	NO
03_138 ENSUITE	N/A	N/A
03_138 BEDROOM	NO (-64.3%)	NO
03_140 ENSUITE	N/A	N/A
03_140 BEDROOM	NO (-64.7%)	NO
03_133 ENSUITE	NO (-90.1%)	NO
03_133 BARIATRIC BEDROOM	NO (-86.9%)	NO
03_135 ENSUITE	N/A	N/A
03_135 BEDROOM	NO (-85.7%)	NO
03_137 ENSUITE	N/A	N/A
03_137 BEDROOM	NO (-85.2%)	NO
03_139 ENSUITE	N/A	N/A
03_139 BEDROOM	NO (-84.8%)	NO
03_141 ENSUITE	N/A	N/A
03_141 BEDROOM	NO (-84.3%)	NO
03_142 BEDROOM	NO (-81%)	NO
03_142 ENSUITE	N/A	N/A
03_114 ENSUITE	N/A	N/A
03_114 BEDROOM	NO (-68.1%)	NO
03_116 ENSUITE	N/A	N/A
03_116 BEDROOM	NO (-67.6%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
03_118 ENSUITE	N/A	N/A
03_118 BEDROOM	NO (-66.3%)	NO
03_120 ENSUITE	N/A	N/A
03_120 BEDROOM	NO (-66.9%)	NO
03_NURSE STATION	N/A	N/A
03_122 BEDROOM	NO (-75.2%)	NO
03_122 ENSUITE	N/A	N/A
03_121 ENSUITE	N/A	N/A
03_121 BEDROOM	NO (-81.9%)	NO
03_119 ENSUITE	N/A	N/A
03_119 BEDROOM	NO (-81.9%)	NO
03_117 ENSUITE	N/A	N/A
03_117 BEDROOM	NO (-79.4%)	NO
03_115 ENSUITE	N/A	N/A
03_115 BEDROOM	NO (-75%)	NO
03_113 ENSUITE	N/A	N/A
03_113 BEDROOM	NO (-78.4%)	NO
03_112 ENSUITE	N/A	N/A
03_112 BEDROOM	NO (-81.8%)	NO
03_111 ENSUITE	N/A	N/A
03_111 BEDROOM	NO (-81.7%)	NO
03_LOUNGE	NO (-76.9%)	NO
03_DINING/KITCHENETTE	NO (-53%)	NO
03_MEETING ROOM	NO (-72.3%)	NO
03_STAFF ROOM	NO (-45%)	NO
03_123 BEDROOM	NO (-69.6%)	NO
03_123 ENSUITE	N/A	N/A
03_124 ENSUITE	N/A	N/A
03_124 BEDROOM	NO (-64.8%)	NO
03_126 ENSUITE	N/A	N/A
03_126 BEDROOM	NO (-58.7%)	NO
03_127 ENSUITE	N/A	N/A
03_127 BEDROOM	NO (-64.4%)	NO
03_130 BEDROOM	NO (-69.2%)	NO
03_131 ENSUITE	N/A	N/A
03_131 BEDROOM	NO (-69.4%)	NO
03_132 ENSUITE	N/A	N/A
03_132 BEDROOM	NO (-77.3%)	NO
03_DINING/KITCHENETTE	NO (-54.9%)	NO
03_LOUNGE	NO (-78.9%)	NO
03_125 BEDROOM	NO (-73.5%)	NO
03_125 ENSUITE	N/A	N/A
03_128 ENSUITE	N/A	N/A
03_128 BEDROOM	NO (-74.4%)	NO
03_129 BEDROOM	NO (-82.1%)	NO
03_129 ENSUITE	N/A	N/A
03_COMUNAL HUB ENTRANCE	N/A	N/A
03_CAFE/BAR STORE	N/A	N/A
03_DINING/KITCHENETTE	NO (-59.8%)	NO

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
03_CAFE & LOUNGE	NO (-61.7%)	NO
04_145 ENSUITE	N/A	N/A
04_145 BEDROOM	NO (-65.7%)	NO
04_149 ENSUITE	N/A	N/A
04_149 BEDROOM	NO (-64.2%)	NO
04_151 ENSUITE	N/A	N/A
04_151 BEDROOM	NO (-64.9%)	NO
04_DINING/KITCHENETTE	NO (-62.3%)	NO
04_MEETING ROOM	NO (-58.5%)	NO
04_STAFF ROOM	NO (-77.3%)	NO
04_DINING/KITCHENETTE	N/A	N/A
04_LOUNGE	NO (-78.8%)	NO
04_147 BEDROOM	NO (-65.4%)	NO
04_147 ENSUITE	N/A	N/A
04_NURSE STATION	N/A	N/A
04_152 ENSUITE	N/A	N/A
04_152 BEDROOM	NO (-72.9%)	NO
04_150 ENSUITE	N/A	N/A
04_150 BEDROOM	NO (-79.4%)	NO
04_148 ENSUITE	N/A	N/A
04_148 BEDROOM	NO (-79.4%)	NO
04_146 ENSUITE	N/A	N/A
04_146 BEDROOM	NO (-79.1%)	NO
04_144 ENSUITE	N/A	N/A
04_144 BEDROOM	NO (-79.4%)	NO
04_143 BEDROOM	NO (-79.9%)	NO
04_143 ENSUITE	N/A	N/A
04_157 ENSUITE	NO (-51.7%)	NO
04_157 BARIATRIC BEDROOM	NO (-65.1%)	NO
04_LOUNGE	NO (-51.7%)	NO
04_155 BEDROOM	NO (-71%)	NO
04_155 ENSUITE	N/A	N/A
04_160 BEDROOM	NO (-61.7%)	NO
04_160 ENSUITE	N/A	N/A
04_159 ENSUITE	N/A	N/A
04_159 BEDROOM	NO (-69.1%)	NO
04_158 ENSUITE	N/A	N/A
04_158 BEDROOM	NO (-69%)	NO
04_156 BEDROOM	NO (-66.9%)	NO
04_156 ENSUITE	N/A	N/A
04_154 BEDROOM	NO (-66.5%)	NO
04_154 ENSUITE	N/A	N/A
04_153 BARIATRIC BEDROOM	NO (-62.6%)	NO
04_153 ENSUITE	NO (-55.9%)	NO
BM_LAUNDRY	NO (-79.4%)	NO
BM_COMMS ROOM	N/A	N/A
BM_MAINTENANCE OFFICE	N/A	N/A
BM_CHEF OFFICE	N/A	N/A
01_50 ENSUITE	N/A	N/A

Zone	Solar gain limit exceeded? (%)	Internal blinds used?
02_90 ENSUITE	N/A	N/A
03_130 ENSUITE	N/A	N/A
03_NURSE STATION	N/A	N/A

Regulation 25A: Consideration of high efficiency alternative energy systems

Were alternative energy systems considered and analysed as part of the design process?	YES
Is evidence of such assessment available as a separate submission?	YES
Are any such measures included in the proposed design?	YES

Technical Data Sheet (Actual vs. Notional Building)

Building Global Parameters

	Actual	Notional
Floor area [m ²]	8453.2	8453.2
External area [m ²]	8745.1	8745.1
Weather	LON	LON
Infiltration [m ³ /hm ² @ 50Pa]	3	3
Average conductance [W/K]	1771.83	3439.54
Average U-value [W/m ² K]	0.2	0.39
Alpha value* [%]	25.18	10

* Percentage of the building's average heat transfer coefficient which is due to thermal bridging

Building Use

% Area Building Type

Retail/Financial and Professional Services
 Restaurants and Cafes/Drinking Establishments/Takeaways
 Offices and Workshop Businesses
 General Industrial and Special Industrial Groups
 Storage or Distribution
 Hotels

100 Residential Institutions: Hospitals and Care Homes

Residential Institutions: Residential Schools
 Residential Institutions: Universities and Colleges
 Secure Residential Institutions
 Residential Spaces
 Non-residential Institutions: Community/Day Centre
 Non-residential Institutions: Libraries, Museums, and Galleries
 Non-residential Institutions: Education
 Non-residential Institutions: Primary Health Care Building
 Non-residential Institutions: Crown and County Courts
 General Assembly and Leisure, Night Clubs, and Theatres
 Others: Passenger Terminals
 Others: Emergency Services
 Others: Miscellaneous 24hr Activities
 Others: Car Parks 24 hrs
 Others: Stand Alone Utility Block

Energy Consumption by End Use [kWh/m²]

	Actual	Notional
Heating	2.61	4.22
Cooling	2.75	3.94
Auxiliary	13.37	15.24
Lighting	11.39	14.08
Hot water	22.82	27.56
Equipment*	48.84	48.84
TOTAL**	52.94	65.04

* Energy used by equipment does not count towards the total for consumption or calculating emissions.

** Total is net of any electrical energy displaced by CHP generators, if applicable.

Energy Production by Technology [kWh/m²]

	Actual	Notional
Photovoltaic systems	12.52	0
Wind turbines	0	0
CHP generators	0	0
Solar thermal systems	0	0
<i>Displaced electricity</i>	<i>12.52</i>	<i>0</i>

Energy & CO₂ Emissions Summary

	Actual	Notional
Heating + cooling demand [MJ/m ²]	76.73	107.97
Primary energy [kWh _{PE} /m ²]	61.7	95.98
Total emissions [kg/m ²]	5.75	8.81

HVAC Systems Performance									
System Type	Heat dem MJ/m2	Cool dem MJ/m2	Heat con kWh/m2	Cool con kWh/m2	Aux con kWh/m2	Heat SSEFF	Cool SSEER	Heat gen SEFF	Cool gen SEER
[ST] Fan coil systems, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	27.5	22.1	2.4	1.2	18.6	3.13	4.97	3.5	6
Notional	39.3	28.7	3.9	1.7	21.5	2.78	4.63	----	----
[ST] Split or multi-split system, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	0.7	155	0.1	9.6	3.9	3.43	4.48	3.5	6
Notional	1.3	243.8	0.1	14.6	6.9	2.78	4.63	----	----
[ST] Central heating using water: radiators, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	169.8	0	14.4	0	2.5	3.29	0	3.5	0
Notional	239.8	0	24	0	2.5	2.78	0	----	----
[ST] Central heating using air distribution, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	32.4	0	2.3	0	15.6	3.97	0	3.5	0
Notional	34.8	0	3.5	0	17	2.78	0	----	----
[ST] Central heating using water: radiators, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	13.1	0	1.1	0	19.2	3.29	0	3.5	0
Notional	11.7	0	1.2	0	10.1	2.78	0	----	----
[ST] Central heating using air distribution, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	0	0	0	0	42.4	3.97	0	3.5	0
Notional	0	0	0	0	47.7	2.78	0	----	----
[ST] Split or multi-split system, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	4	306.3	0.3	19	1.7	3.43	4.48	3.5	6
Notional	4.6	402.6	0.5	24.1	3	2.78	4.63	----	----
[ST] Central heating using water: radiators, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	0	0	0	0	2.8	3.29	0	3.5	0
Notional	0	0	0	0	4.1	2.78	0	----	----
[ST] Single room cooling system, [HS] ASHP, [HFT] Electricity, [CFT] Electricity									
Actual	0	0	0	0	0	3.43	4.48	3.5	6
Notional	0	0	0	0	0	2.78	4.63	----	----
[ST] No Heating or Cooling									
Actual	0	0	0	0	0	0	0	0	0
Notional	0	0	0	0	0	0	0	----	----

Key to terms

Heat dem [MJ/m2]	= Heating energy demand
Cool dem [MJ/m2]	= Cooling energy demand
Heat con [kWh/m2]	= Heating energy consumption
Cool con [kWh/m2]	= Cooling energy consumption
Aux con [kWh/m2]	= Auxiliary energy consumption
Heat SSEFF	= Heating system seasonal efficiency (for notional building, value depends on activity glazing class)
Cool SSEER	= Cooling system seasonal energy efficiency ratio
Heat gen SSEFF	= Heating generator seasonal efficiency
Cool gen SSEER	= Cooling generator seasonal energy efficiency ratio
ST	= System type
HS	= Heat source
HFT	= Heating fuel type
CFT	= Cooling fuel type

Energy Performance Certificate

Non-Domestic Building



Cricket Field Rd - GREEN
Residential Care Home
Cricket Field Road
Uxbridge
UB8 2NZ

Certificate Reference Number:

3157-3272-4467-1256-0724

This certificate shows the energy rating of this building. It indicates the energy efficiency of the building fabric and the heating, ventilation, cooling and lighting systems. The rating is compared to two benchmarks for this type of building: one appropriate for new buildings and one appropriate for existing buildings. There is more advice on how to interpret this information in the guidance document *Energy Performance Certificates for the construction, sale and let of non-dwellings* available on the Government's website at www.gov.uk/government/collections/energy-performance-certificates.

Energy Performance Asset Rating

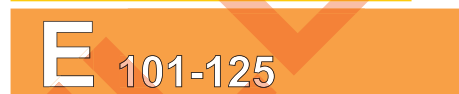
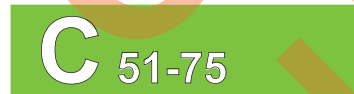
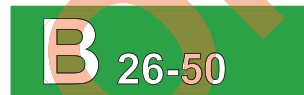
More energy efficient



Net zero CO₂ emissions



This is how energy efficient the building is.



Less energy efficient

Technical information

Main heating fuel:	Grid Supplied Electricity
Building environment:	Air Conditioning
Total useful floor area (m ²):	8453.165
Building complexity:	Level 5
Building emission rate (kgCO ₂ /m ² per year):	5.75
Primary energy use (kWh _{PE} /m ² per year):	61.7

Benchmarks

Buildings similar to this one could have ratings as follows:

10 If newly built

42 If typical of the existing stock

Administrative information

This is an Energy Performance Certificate as defined in the Energy Performance of Buildings Regulations 2012 as amended.

Assessment Software:	Virtual Environment v7.0.31 using calculation engine ApacheSim v7.0.31
Property Reference:	UPRN-000000000000
Assessor Name:	Davies Partnership
Assessor Number:	ABCD123456
Accreditation Scheme:	Information not available
Assessor Qualifications:	NOS5
Employer/Trading Name:	Davies Partnership
Employer/Trading Address:	Cestrian House, Lightfoot Street, Hoole, Chester, CH2 3AD
Issue Date:	02 Oct 2026
Valid Until:	01 Oct 2036 (unless superseded by a later certificate)
Related Party Disclosure:	Not related to the owner

Recommendations for improving the energy performance of the building are contained in the associated Recommendation Report: 0909-5079-5486-5173-3974

About this document and the data in it

This document has been produced following an energy assessment undertaken by a qualified Energy Assessor, accredited by Information not available. You can obtain contact details of the Accreditation Scheme at Information not available.

A copy of this certificate has been lodged on a national register as a requirement under the Energy Performance of Buildings Regulations 2012 as amended. It will be made available via the online search function at www.ndepcregister.com. The certificate (including the building address) and other data about the building collected during the energy assessment but not shown on the certificate, for instance heating system data, will be made publicly available at www.opendatacommunities.org.

This certificate and other data about the building may be shared with other bodies (including government departments and enforcement agencies) for research, statistical and enforcement purposes. For further information about how data about the property are used, please visit www.ndepcregister.com. To opt out of having information about your building made publicly available, please visit www.ndepcregister.com/optout.

There is more information in the guidance document *Energy Performance Certificates for the construction, sale and let of non-dwellings* available on the Government website at:

www.gov.uk/government/collections/energy-performance-certificates. It explains the content and use of this document and advises on how to identify the authenticity of a certificate and how to make a complaint.

Opportunity to benefit from a Green Deal on this property

The Green Deal can help you cut your energy bills by making energy efficiency improvements at no upfront costs. Use the Green Deal to find trusted advisors who will come to your property, recommend measures that are right for you and help you access a range of accredited installers. Responsibility for repayments stays with the property - whoever pays the energy bills benefits so they are responsible for the payments.

To find out how you could use Green Deal finance to improve your property please call 0300 123 1234.



NON-RESIDENTIAL CO ₂ ANALYSIS (PART L2)													
Building Use	Model Area (m ²)	Number of units	Total area represented by model (m ²)	Baseline		'Be Lean'		Baseline		'Be Lean'		'Be Clean'	
				BRUKL TER (kgCO ₂ / m ²)	BRUKL Displacement (kWh / m ²)	BRUKL BER (kgCO ₂ / m ²)	BRUKL BER (kgCO ₂ / m ²)	Part L 2021 CO ₂ emissions (kgCO ₂ p.a.)	Energy saving/generation technologies (kgCO ₂ p.a.)	Part L 2021 CO ₂ emissions (kgCO ₂ p.a.)	Part L 2021 CO ₂ emissions National PV savings included (kgCO ₂ p.a.)	'Be Clean' savings (kgCO ₂ p.a.)	Part L 2021 CO ₂ emissions (kgCO ₂ p.a.)
Cardhome	8453.2	1	8453.2	8.81		8.09	5.76	74,473	0.00	68,386	68,386	6,086	68,386
Sum		1	8,453	8.8	0.0	8.1	5.8	74,473	0	68,386	68,386	6,086	68,386
SITE-WIDE ENERGY CONSUMPTION AND CO ₂ ANALYSIS				-	-	-	-	74,473	0	68,386	68,386	6,086	68,386
Total Sum			8,453	-	-	-	-	74,473	0	68,386	68,386	6,086	68,386

Sum

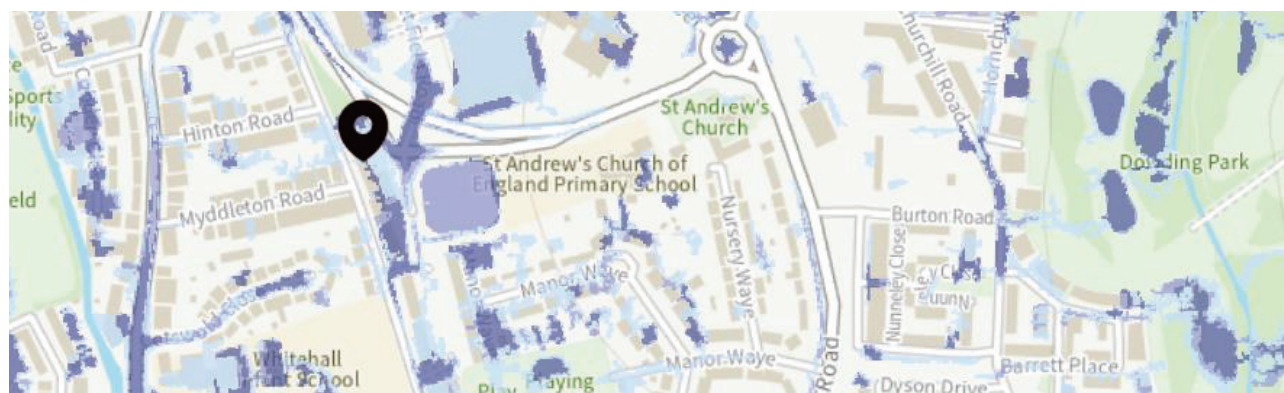
SITE-WIDE ENERGY CONSUMPTION AND CO₂ ANALYSIS

Total Sum

The proposed new build Care Home on Cricket Field Road, Uxbridge UB8 2NZ, is located within a hydrogeologically complex corridor in West London, immediately flanked by major surface networks, close to the Frays River floodplain and sensitive shallow underground aquifers, with water table conditions prone to seasonal fluctuations linked to the levels of the adjacent River Colne and Frays River.



Future yearly chance of flooding between 2040 and 2060 – **LOW** (between 0.1 and 1% chance of flooding)

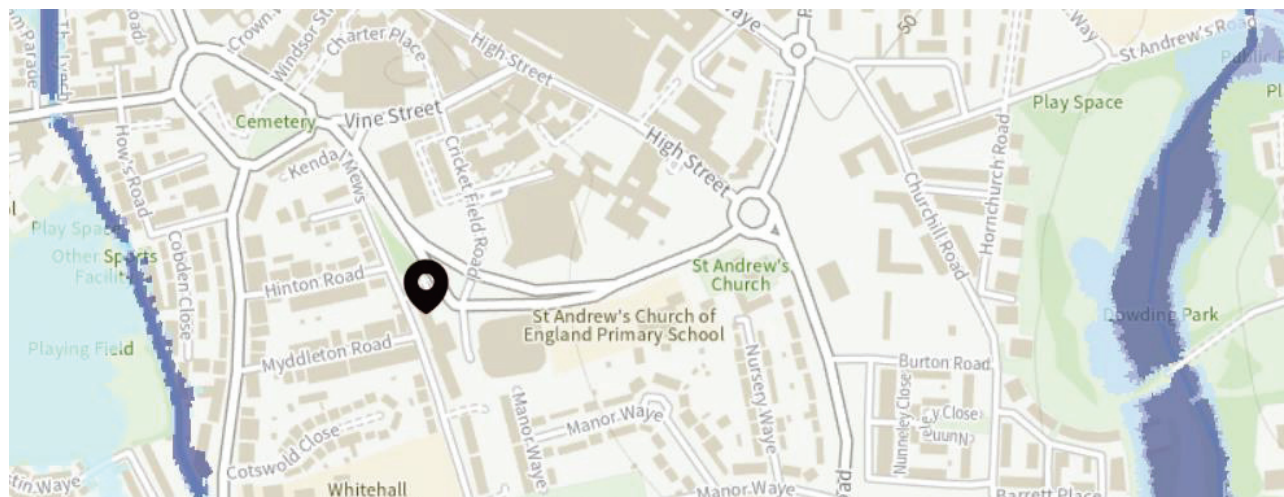


Climate change predictions 2061 - 2025



The area has localised vulnerabilities to surface water pooling and even low levels of flooding can be an issue, especially for developments with basements as water ingress is possible, therefore measures should be undertaken to minimise risk.

River and Sea flooding risk is – **VERY LOW** (less than 0.1% chance of flooding each year)



The future flood risk based on climate change using the latest UK Climate Projections (UKCP18) from the Met Office and the RCP 8.5 pathway indicates that future flooding risk remains – **VERY LOW** (less than 0.1% chance of flooding each year).