

# Tune Hotel, Kings Cross – New Extension

Sustainability Report

Revision 1

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# Delta Green Environmental Design

Integrated Sustainable Solutions

t: +44 (0) 1273 468756

e: admin@deltagreen.co.uk

w: deltagreen.co.uk



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### 1.0 Introduction

The proposed development at Tune Hotel, Kings Cross is to involve the construction of a new extension to an existing Tune hotel. The extension will comprise a new tower to the rear of the hotel and a new fifth floor on the existing roof level. The extension will have a gross floor area of approximately 690sqm and will provide a total of 33no new guest rooms. There will be no administration/operational areas or additional facilities provided within the proposed extension.

It is understood that he local authority planning policy requires new construction projects to achieve BREEAM certification. It is therefore anticipated that a BREEAM assessment of the proposed development will be required to demonstrate compliance with the BREEAM standard and planning policy. The building design is to be developed with sustainability issues being a key driver, and therefore a high BREEAM rating should be achieved upon completion of a full BREEAM assessment.

The urban context of the existing site and resulting constraints will impact the number of credits that may be achieved under BREEAM. However, the design team are committed to including a variety of sustainability features, such that a BREEAM Very Good rating could be achieved with the highest possible score. The project team will fully consider all sustainability issues throughout the design and construction process in order to maximise the inclusion of these features and practices wherever possible. A robust BREEAM Very Good rating would indicate a high level of consideration to sustainability issues by the project team, minimising the impact of the development on both the local and wider environment.

A review of the proposals has been undertaken by a licensed BREEAM assessor against the BREEAM New Construction 2014 criteria. This review has been based upon discussions with the project team, previous Tune Hotel project experience and the following information:

- Building Services Solutions drawings 1508 MEP 01 to 08
- Building Services Solutions MEP Feasibility Study & Outline Design
- Feasibility stage Part L compliance Report (BRUKL) by Darren Evans Assessments

The primary purpose of this review was to determine the maximum BREEAM rating that could be achieved should a full assessment be completed and to advise the project team of any BREEAM related considerations at this stage. The review has also allowed any issues that are programme dependant or that could affect the planning process to be identified.

From the initial review against the current BREEAM criteria it is believed that a potential rating of Very Good is achievable. The BREEAM New Construction 2014 manual states that achieving a Very Good rating broadly represents performance equivalent to the top 25% of UK new non-domestic buildings and demonstrates advanced good practice in terms of sustainable construction.



### 2.0 BREEAM

#### 2.1 BREEAM

The BRE's Environmental Assessment Method (BREEAM) is the world's leading assessment tool to evaluate the sustainability of buildings. BREEAM covers a range of subjects, which are collated into nine environmental sections that are weighted based on their environmental value. These are:

Management	12%
Health and Wellbeing	15%
Energy	15%
Transport	9%
Water	7%
Materials	13.5%
Waste	8.5%
Land Use & Ecology	10%
Pollution	10%

Innovation up to additional 10%

Each environmental section is then broken down into individual issues, which are allocated credits that can be awarded for compliance with the issue criteria. These credits achieved within each environmental section are multiplied by the section weighting and then summed, resulting in a BREEAM score. The BREEAM rating benchmarks are as follows:

Outstanding	85%	[less than top 1% of UK new build non-domestic =innovator]
Excellent	70%	[top 10% of UK new build non-domestic = best practice]
Very Good	55%	[top 25% of UK new build non-domestic = advanced good practice]
Good	45%	[top 50% of UK new build non-domestic = intermediate good practice]
Pass	30%	[top 75% of UK new build non-domestic = standard good practice]
Unclassified	<30%	

### 2.2 Pre-assessment Scores

Upon receiving planning approval for the development it is understood a full BREEAM assessment of the proposed hotel extension will be required. The assessment will therefore be registered with the BRE against the 2014 New Construction method for Other Buildings (residential institutions) – Hotels. This assessment method is considered to be the most appropriate, and is the most current available to assess new build projects of this type.

A pre-assessment has been completed against BREEAM 2014 criteria for the proposed development based on design intent. The criteria are assessed as fully fitted, which assumes that there will be no additional fit out under a separate contract. The BREEAM pre-assessment score of 57.63% achieves a Very Good rating, with all mandatory



requirements met. Figure 1 shows the distribution of credits targeted out of those available within the preassessment.

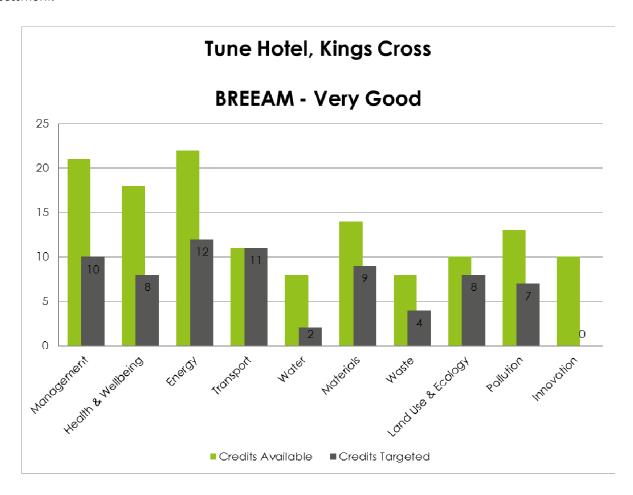


Figure 1 Illustration of BREEAM credits achievable for the proposed Hotel Extension

### 2.3 BREEAM Pre-assessment Summary

The following provides a summary of the sustainability considerations that will be adopted, which will allow the target BREEAM rating to be achieved.

### Management

10 of the 21 available management credits have been targeted within the pre-assessment.

The heating, hot water and electrical services within the extension will be connected to the existing systems, which were commissioned at the time of installation. However, where additional commissioning is required this shall be commissioned by an appropriate person(s) to the required CIBSE and BSRIA Codes, which will ensure the building services are operating efficiently and as the occupants require. Any commissioning will be monitored by a member of the design team, and the commissioning schedule will be accounted for within the main programme of works. If any new complex systems are installed a specialist commissioning agent will be responsible for



ensuring that these are commissioned correctly. The existing systems will be re-commissioned seasonally over a 12 month period to ensure that they have been correctly calibrated to effectively deliver the extra loads, and feedback from staff members will be collated to identify any issues that arise from handover.

Any training for the FM team/occupants that is identified will be scheduled and this training schedule will be handed over to the client. The successful contractor shall provide an aftercare service by facilitating the identified training, by being on site at least once a week for the first few weeks after occupation and by being contactable if there are any issues within the first 12 months of occupation.

The Contractor shall also be required to register with the Considerate Constructors Scheme and achieve a Beyond Best Practice score greater than 35, with no less than 7 in each section. They shall be committed to monitor site energy, monitor water consumption, monitor delivery and waste vehicle movement and responsibly source all temporary site timber used to facilitate construction. The successful contractor must also operate an Environmental Management System (EMS) that is certified to ISO14001 or equivalent standard.

A non-technical building user guide will be produced that provides an overview of the energy efficient design features of the building, simple instructions for how to use the systems, information on how to save energy and further information about the site and surroundings.

### Health & Wellbeing

8 of the 18 available health and wellbeing credits have been targeted within the pre-assessment.

Where required, all guest rooms will have blinds installed on the windows, which can be operated by occupants to effectively control glare. Lighting to all occupied areas will meet Lux levels recommended by CIBSE guidelines and any fluorescent lamps that are specified will be high frequency.

Due to the amount of glazing provided to some of the rooms the solar gain within these rooms could be considerable. Whilst this is beneficial during the winter months, it may pose an overheating risk during the summer. Thermal modelling of the building will therefore be undertaken to assess the likely peak heating and cooling loads within each room, and the systems will be sized appropriately to meet these loads. This assessment will include modelling with predicted future weather data to allow for a climate change scenario, which will ensure that the overheating risk is low in years to come. The findings of this assessment will inform the control strategy and system sizing where relevant.

An acoustic consultant will be appointed to confirm that airborne and impact sound insulation levels between guest rooms are at least 3dB better than Building Regulations, with a programme of pre-completion testing carried out to confirm that these levels are realised.

The design team will liaise with the local police security consultant to seek advice regarding the security of the new extension and site layout. Any recommendations made will be captured within the design.



### **Energy**

12 of the 22 available energy credits have been targeted within the pre-assessment.

The development as a whole will be designed and constructed with a 'fabric first' approach, using a combination of low u-values and low levels of adventitious air leakage to minimise the heating load. The heating system specified will likely be a high efficiency air source heat pump, and this will ensure that energy is delivered to the space with low emissions. In this way energy demand, energy consumption and CO<sub>2</sub> emissions shall be minimised to increase the number of credits achievable within the energy section of BREEAM. Initial modelling of the development has been completed using SBEM (Simplified Building Energy Model), and the energy data from this assessment confirms that at least 4no credits should be achieved for energy efficiency.

The heating system, hot water and the lighting/small power within the new extension will all be connected to the existing hotel building services, which are separately metered to allow energy uses within the hotel to be effectively monitored and managed. Where a system is not metered within the existing hotel a sub-meter will be provided on the supply to the extension in order to measure energy used.

The development will be required to comply with the CO<sub>2</sub> targets set within Approved Document Part L2A, and therefore Low and Zero Carbon (LZC) technologies will need to be specified to meet this target. With this in mind, an Energy Statement has been produced to assess the suitability of a number of LZC technologies. The statement confirms that air source heat pumps and photovoltaics (PV) are both viable technologies for inclusion, and heat pumps have indeed been specified to meet Part L2A and local planning policies.

Any external lighting will be designed to be energy efficient and time controlled to ensure the lights do not remain on during daylight hours, and it is understood that existing external lighting already achieves this requirement.

The lift within the new extension will be an energy efficient lift with a number of low energy features included. This lift will be selected based upon the findings of an energy analysis against different lift strategies to ensure that the lowest energy option is selected. The lifts will also be appropriately sized based upon a traffic analysis, which will avoid the risk of oversizing.

### **Transport**

11 of the 11 available transport credits have been targeted within the pre-assessment.

Due to the site's urban location and proximity to Kings Cross and St Pancras stations the local public transport network provides a large number of transport services for the staff and guests to use. The site is also in close proximity to a number of local amenities, which will enable staff to walk or cycle when carrying out errands over lunch rather than using vehicles. Covered cycle storage spaces are provided externally and showers/changing facilities internally for staff to use.

It is understood that a travel plan was developed when the existing hotel was originally refurbished. This travel plan will therefore be updated to take into account the additional guests that the hotel can accommodate and will be based upon the findings of a transport assessment. If the travel plan requires updating sue to the



additional works this will be completed and the revised travel plan will be used to influence the design of the site. Any additional measures required to reduce impact of travel to and from the site will be implemented.

### Water

2 of the 8 available water credits have been targeted within the pre-assessment.

Due to the nature of the proposed development the water consumption will be high compared to many other building types, and with this in mid it is important to effectively control the amount of water used. Water consumption will be kept to a minimum by specifying low water consuming sanitary ware such as dual and low flush WCs, restricted basin taps and restricted showers.

The water services within the extension will be connected to the supply from the existing hotel. This incoming supply will be metered by a pulsed output meter, which will allow the water consumption within the extension to be effectively monitored and managed.

### **Materials**

9 of the 14 available material credits have been targeted within the pre-assessment.

Where possible, all materials selected for construction, new external surfaces and any new boundary protection will be A or A+ rated in the BRE Green Guide to Specification, demonstrating they have low life cycle embodied energy. This will mitigate the environmental impact of the materials used within construction.

The successful contractor shall be required to responsibly source the majority of construction materials from suppliers capable of providing the relevant Environmental Management System (EMS) certificate. All of the insulation specified for the building fabric and building services will have a high Green Guide rating and high thermal performance. These will be certified under BES6001 or ISO14001 (or equivalent) at both supply chain stage and key process stage wherever possible to ensure that the insulation products used have a minimal environmental impact.

The specification for the materials will have considered the robustness required for the vulnerable areas of the extension. The durability of the development as a whole will be considered to ensure more hard wearing materials are specified where required. This will protect internal and external areas deemed to be at risk, and will ensure the materials used within vulnerable areas are not frequently replaced due to wear, unnecessarily increasing waste from the building.

### Waste

4 of the 8 available waste credits have been targeted within the pre-assessment.

As there will be a small amount of demolition where the extension connects to the existing hotel the Contractor will be required to produce a pre-demolition audit to determine if any of the materials from the demolition are recoverable. This will be referenced within a site waste management plan, which will also include a waste target



of less than 6.5 tonnes of construction waste per 100sqm gross internal floor area. In addition to this at least 80% of non-demolition waste and 90% of demolition waste by weight will be diverted from landfill.

The existing hotel currently has a waste compound, which includes a recycling storage space that is clearly labelled to differentiate the storage area from the general waste. It is believed this space is sufficiently sized to accommodate the increased waste streams from the extension, however if additional storage space is required this will be provided in an accessible location.

### Land Use & Ecology

8 of the 10 available land use and ecology credits have been targeted within the pre-assessment.

The proposed site on the corner of Gray's Inn Road and Swinton Street is currently occupied by the existing hotel and external hard surfaces, and so there will be no ecology displaced as a result of the proposals. Although unlikely, if any areas on site are considered to require protection then appropriate measures will be adopted during the construction phase.

The site is limited in size and will be almost entirely occupied by the proposed building footprint, which means there is little scope for landscaping. However, an ecologist shall be appointed to provide advice on developing the site to improve its ecological value. In addition to this, the ecologist will provide guidance on how to comply with any relevant ecology legislation and will assist in the development of an ecology management plan for any new ecological features. The contractor will minimise the impact of the construction process on any local wildlife and monitor the effectiveness of any measures adopted in line with the recommendations of the ecologist.

### **Pollution**

7 of the 13 available pollution credits have been targeted within the pre-assessment.

Heating to the new guest rooms will be provided by high efficiency heat pumps, which utilise high global warming potential refrigerants. It is important to reduce the risk of these refrigerants escaping to the environment, and so a refrigerant leak detection system will be installed to detect potential leaks within each of the guest bedrooms.

The site is thought to be in a low flood risk area, and it is assumed that a pre-existing flood risk assessment can be provided to demonstrate this. If this is not available then a site specific flood risk assessment will be completed to confirm the risk of flooding is low.

The impact on local drainage systems has been fully considered. As the impermeable area of the site will not increase from development the run-off from the site into the drains will not increase. A consultant will be appointed to provide calculations demonstrating that this is the case during a peak rainfall event.

The external lighting will be designed to comply with the ILE Guidance for light pollution, to ensure there is no upward light spill from the site.



The existing plant will not be significantly increased in output, and so noise increase is not anticipated. In order to confirm this an acoustic consultant will undertake a noise impact assessment. In the unlikely event that noise levels from the plant are unacceptable acoustic attenuation will be provided.

### 3.0 Conclusion

The proposed new extension to the Tune Hotel in Kings Cross has been designed to minimise the environmental impact it has and maximise its sustainability. A number of sustainable features will be incorporated into the design to achieve this.

The proposed design has been assessed against BREEAM New Construction 2014 criteria for Other Buildings (residential institutions) – Hotels. The predicted BREEAM score of 57.63% demonstrates that a robust Very Good rating will be achieved when the full assessment is undertaken. The minimum score required to achieve a Very Good rating is 55%, and therefore the proposed score allows an additional 2.63% over this threshold score to allow for any unforeseen short fall during the assessment process.



4.0 Appendix – Pre-assessment



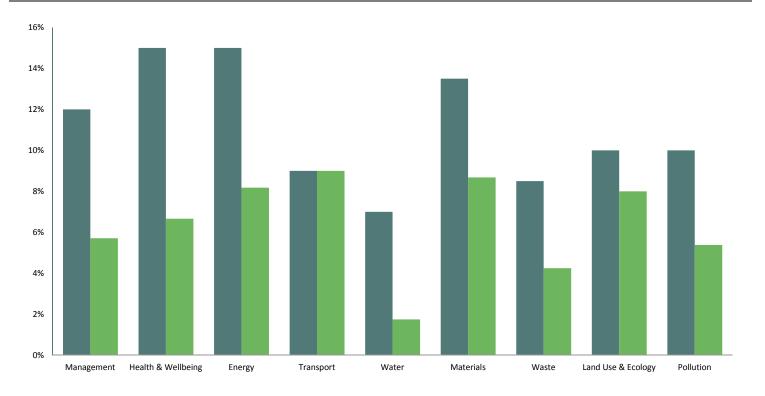
## BREEAM UK New Construction 2014 Pre-Assessment Estimator: Indicative Rating & Building Performance

# BREEAM® UK

### **Overall Building Performance**

Building name	Tune Hotel Kings Cross
Indicative BREEAM rating	Very Good
Indicative Total Score	57.6%
Min. standards level achieved	Very Good level

### **Building Performance by Environment Section**



■ Section score available ■ Section score achieved

	No. credits	Indicative no.	% credits	Section	Indicative
Environmental Section	available	credits Achieved	achieved	Weighting	Section Score
Management	21	10	47.6%	12.0%	5.7%
Health & Wellbeing	18	8	44.4%	15.0%	6.7%
Energy	22	12	54.5%	15.0%	8.2%
Transport	11	11	100.0%	9.0%	9.0%
Water	8	2	25.0%	7.0%	1.8%
Materials	14	9	64.3%	13.5%	8.7%
Waste	8	4	50.0%	8.5%	4.3%
Land Use & Ecology	10	8	80.0%	10.0%	8.0%
Pollution	13	7	53.8%	10.0%	5.4%
Innovation	10	0	0.0%	N/A	0





### BREEAM UK New Construction 2014 Pre-Assessment Estimator: Assessment Issue Scoring



<u></u>	Building name	Tune Hotel Kings C	ross			
	Building score (%)					
	Building rating					
	Minimum standards level achieved	Very Good level				
				_		
MANAGEMENT						
Man 01 Project brief and	d design					
	No. of BREEAM credits available	4		Available contrib	ution to overall score	2.29%
	No. of BREEAM innovation credits available				standards applicable	No
Assessment Criteria			Compliant?	Credits available	Credits achieved	
Assessment criteria	Will stakeholder consultation (project de	elivery) take place?	No	1	0	
	Will stakeholder consultation (third		No	1	0	
	Will a sustainability champion (de		No	1	0	
	Will a sustainability champion (monitoring prog	ress) be assigned?	No	1	0	
	Total BREEAM credits achieved	0				
	Total contribution to overall building score					
	Total BREEAM innovation credits achieved	0				
	Minimum standard(s) level	N/A				
Comments/notes:						
Man 02 Life cycle cost a	nd service life planning					
Man 02 Life cycle cost a	nd service life planning No. of BREEAM credits available	4		Available contrib	ution to overall score	2.29%
Man 02 Life cycle cost a					ution to overall score standards applicable	2.29% No
Man 02 Life cycle cost a	No. of BREEAM credits available					
Man 02 Life cycle cost a	No. of BREEAM credits available					
Man 02 Life cycle cost a	No. of BREEAM credits available No. of BREEAM innovation credits available	0	Compliant?	Minimum  Credits available	standards applicable  Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:	0 ses be carried out?	No	Minimum  Credits available  2	standards applicable  Credits achieved  0	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p	0 ses be carried out? lan be developed?	No No	Credits available  2 1	Credits achieved  0 0	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:	oses be carried out? lan be developed? cost be reported?	No	Minimum  Credits available  2	standards applicable  Credits achieved  0	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p  Will the predicted capital	oses be carried out? lan be developed? cost be reported? roject (if available)	No No	Credits available  2  1 1	Credits achieved  0 0	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p  Will the predicted capital  Expected capital cost of the p	oses be carried out? lan be developed? cost be reported? roject (if available)	No No	Credits available  2  1 1	Credits achieved  0 0	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p  Will the predicted capital  Expected capital cost of the p  Total BREEAM credits achieved	ses be carried out? lan be developed? cost be reported? roject (if available)  0 0.00%	No No	Credits available  2  1 1	Credits achieved  0 0	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p  Will the predicted capital  Expected capital cost of the p  Total BREEAM credits achieved  Total BREEAM innovation credits achieved	ses be carried out? lan be developed? cost be reported? roject (if available)  0 0.00% N/A	No No	Credits available  2  1 1	Credits achieved  0 0	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p  Will the predicted capital  Expected capital cost of the p  Total BREEAM credits achieved	ses be carried out? lan be developed? cost be reported? roject (if available)  0 0.00% N/A	No No	Credits available  2  1 1	Credits achieved  0 0	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p  Will the predicted capital  Expected capital cost of the p  Total BREEAM credits achieved  Total BREEAM innovation credits achieved	ses be carried out? lan be developed? cost be reported? roject (if available)  0 0.00% N/A	No No	Credits available  2  1 1	Credits achieved  0 0	
Assessment Criteria	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p  Will the predicted capital  Expected capital cost of the p  Total BREEAM credits achieved  Total BREEAM innovation credits achieved	ses be carried out? lan be developed? cost be reported? roject (if available)  0 0.00% N/A	No No	Credits available  2  1 1	Credits achieved  0 0	
Assessment Criteria	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p  Will the predicted capital  Expected capital cost of the p  Total BREEAM credits achieved  Total BREEAM innovation credits achieved	ses be carried out? lan be developed? cost be reported? roject (if available)  0 0.00% N/A	No No	Credits available  2  1 1	Credits achieved  0 0	
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Assessment Criteria	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will an elemental life cycle cost (LCC)analy:  Will a component level LCC p  Will the predicted capital  Expected capital cost of the p  Total BREEAM credits achieved  Total BREEAM innovation credits achieved	ses be carried out? lan be developed? cost be reported? roject (if available)  0 0.00% N/A	No No	Credits available  2  1 1	Credits achieved  0 0	



Man 03 Responsible construction practices

	No. of BREEAM credits available	6		Available contrib	ution to overall score	3.43%
	No. of BREEAM innovation credits available	1		Minimum	standards applicable	Yes
ssessment Criteria			Compliant?	Credits available	Credits achieved	
	e timber used in the project 'legally harvested a	nd traded timber'	Yes		er canto domerca	
Will/does the principal cor	tractor operate a compliant Environmental Ma	nagement System?	Yes	1	1	
	Will a construction stage sustainability chan	npion be assigned?	No	1	0	
	nstruction scheme be used by the principal cont has been achieved. Two credits where 'complia	nce' is significantly exceeded.)	2	2	2	
	Will cita utility consumption have		Yes	1	1	
Will trans	Will site utility consumption be me port of construction materials and waste be me		Yes Yes	1	1	
	Will exemplary lev		No	1	0	
ev Performance Indicators	: Construction site energy use					
ey Performance Indicators	Energy consumption (total Energy consumption (intensit Distance (total) - materia Distance (total) - waste to Energy consumption (total) - waste to Energy consumption (total) - waste to Energy consumption (intensity) - materia Energy consumption (intensity) - waste to Construction site greenhouse gas emissions Process greenhouse gas emissions (total) Greenhouse gas emissions (total) - materia Greenhouse gas emissions (total) - waste to Greenhouse gas emissions (intensity) - waste to	cy) - site processes als transport to site transport from site als transport from site transport from site transport from site als transport from site cal) - site processes ty) - site processes als transport to site transport from site transport from site transport from site als transport to site		Information not av	ailable at design stage	
ey Performance Indicators	: Construction site use of freshwater resources  Use of freshwater resource (tot  Use of freshwater resource (intensi	tal) - site processes		Information not av	ailable at design stage ailable at design stage	
omments/notes:	Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	2.86%				



Man 04 Commisioning and handover

	No. of BREEAM credits available	4		Available contrib	ution to overall score	2.29%
	No. of BREEAM innovation credits available	0		Minimum	standards applicable	Yes
sessment Criteria			Compliant?	Credits available	Credits achieved	
Will commission	ing schedule and responsibilities be developed	d & accounted for	Yes	1	1	
	Will a commissioning mana	ger be appointed?	Yes	1	1	
	Will the building fabric l		No	1	0	
Will a	training schedule for building occupiers/mana		Yes	1	1	
	Will a building user guide be developed	prior to handover:	Yes			
	Total BREEAM credits achieved	3				
	Total contribution to overall building score	1.71%				
	Total BREEAM innovation credits achieved	N/A				
mments/notes:						
an 05 Aftercare						
an 05 Aftercare	No. of BREEAM credits available	3		Available contrib	ution to overall score	1.71%
an 05 Aftercare	No. of BREEAM credits available No. of BREEAM innovation credits available	3			ution to overall score standards applicable	1.71% Yes
an 05 Aftercare						
			Countinate	Minimum	standards applicable	
	No. of BREEAM innovation credits available	1	Compliant?	Minimum  Credits available	standards applicable Credits achieved	
sessment Criteria	No. of BREEAM innovation credits available  Will aftercare support be provided to be	1  Duilding occupiers:	Yes	Minimum  Credits available	credits achieved	
sessment Criteria Will seasonal c	No. of BREEAM innovation credits available  Will aftercare support be provided to boommissioning occur over 12months once subs	1  building occupiers: tantially occupied:	Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
sessment Criteria Will seasonal c	No. of BREEAM innovation credits available  Will aftercare support be provided to be	1  puilding occupiers: tantially occupied: r after occupation:	Yes	Minimum  Credits available	credits achieved	
sessment Criteria Will seasonal c	No. of BREEAM innovation credits available  Will aftercare support be provided to be observed and the commissioning occur over 12months once substoccupancy evaluation be carried out 1 years  Will exemplary lev	1  puilding occupiers: tantially occupied: r after occupation: el criteria be met?	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c	No. of BREEAM innovation credits available  Will aftercare support be provided to bommissioning occur over 12months once subsonst occupancy evaluation be carried out 1 year  Will exemplary lev	1  puilding occupiers: tantially occupied: r after occupation:	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
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sessment Criteria Will seasonal c	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c	No. of BREEAM innovation credits available  Will aftercare support be provided to bommissioning occur over 12months once subsost occupancy evaluation be carried out 1 year  Will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c Will a p	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c Will a p	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c Will a p	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c Will a p	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c Will a p	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c Will a p	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c Will a p	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	
sessment Criteria Will seasonal c Will a p	No. of BREEAM innovation credits available  Will aftercare support be provided to be of the summissioning occur over 12months once substock occupancy evaluation be carried out 1 years will exemplary lev  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	puilding occupiers? tantially occupation? refer occupation? referring be met?  2 1.14% 0	Yes Yes No	Minimum  Credits available  1 1 1	Credits achieved  1 1 0	

### **HEALTH & WELLBEING**

Hea 01 Visual Comfort

No. of BREEAM credits available	4	Available contribution to overall score	3.33%
No. of BREEAM innovation credits available	1	Minimum standards applicable	No

Assessment Criteria	Compliant?	Credits available	Credits achieved
Will the design provide adequate glare control for building users:	Yes	1	1
Will relevant building areas be designed to achieve appropriate daylight factor(s)	0	1	0
Will the design provide adequate view out for building users?	No	1	0
Will internal/external lighting levels, zoning and controls be specified in accordance with the relevant CIBSE Guides/British Standards?	Yes	1	1
Will exemplary level criteria be met?	No	1	0

2	Total BREEAM credits achieved
1.67%	Total contribution to overall building score
0	Total BREEAM innovation credits achieved
N/A	Minimum standard(s) level

Comments,	notes:

Hea 02 Indoor Air Quality

No. of BREEAM credits available	5	Available contribution to overall score	4.17%
No. of BREEAM innovation credits available	2	Minimum standards applicable	No

Assessment Criteria	Compliant?	Credits available	Credits achieved
Will an air quality plan be produced and building designed to minimise air pollution?	No	1	0
Will building be designed to minimise the concentration and recirculation of pollutants in the building?	No	1	0
Will the relevant products be specified to meet the VOC testing and emission levels required?	No	1	0
Will formaldehyde and total VOC levels be measured post construction:	No	1	0
Will the building be designed to, or have the potential to provide, natural ventilation?	No	1	0
Will exemplary level VOCs (products)criteria be met?			

Key Performance Indicators: Indoor air quality

Concentration levels of formaldehyde	INA	Information not available at design stage
Total volatile organic compound (TVOC) concentration	INA	Information not available at design stage

Total BREEAM credits achieved	0
Total contribution to overall building score	0.00%
Total BREEAM innovation credits achieved	0
Minimum standard(s) level	N/A

Comments/notes:

<b>BREEAM</b> ®

Hea 03 Safe containment in laboratories

Assessment issue not applicable

nea 03 Sale containment in laboratories					
No. of DDFFAM and the socile his	NI /A		A	stien to essent come	N1 / A
No. of BREEAM credits available	N/A			ution to overall score	N/A
No. of BREEAM innovation credits available	N/A		Minimum	standards applicable	N/A
Assessment Criteria		Compliant?	Credits available	Credits achieved	
		Compilant:		Credits acmeved	
Will an objective risk assessment of proposed laboratory facilities' design	n be completed?				
Will the manufacture Q installation of fume cumberreds and containment de	ovices meet best				
Will the manufacture & installation of fume cupboards and containment de	ctice standards?				
prac	tice standards!				
Will containment level 2 & 3 labs meet best practice safety & perform	rmance criteria?				
Total DDEFAM exadits ashioved	NI/A				
Total BREEAM credits achieved	N/A				
Total contribution to overall building score	N/A				
Total BREEAM innovation credits achieved	N/A				
Minimum standard(s) level	N/A				
Comments/notes:					
Hea 04 Thermal comfort					
rica o4 memar comort					
nea 04 memia comorc					
No. of BREEAM credits available	3		Available contrib	ution to overall score	2.50%
	3			ution to overall score	2.50% No
No. of BREEAM credits available					
No. of BREEAM credits available  No. of BREEAM innovation credits available			Minimum	standards applicable	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria	0	Compliant?			
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design	0 be carried out?	Yes	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria	0 be carried out?		Minimum Credits available	standards applicable  Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design  Will the building design be adapted for a projected climate cl	0 be carried out? hange scenario	Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design	0 be carried out? hange scenario	Yes	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design  Will the building design be adapted for a projected climate cl	0 be carried out? hange scenario	Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design  Will the building design be adapted for a projected climate cl  Will the modelling inform the development of a thermal zoning and c	0 be carried out? hange scenario	Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate cl  Will the modelling inform the development of a thermal zoning and c	0  I be carried out?  hange scenario: control strategy?	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design  Will the building design be adapted for a projected climate cl  Will the modelling inform the development of a thermal zoning and c	0 be carried out? hange scenario; control strategy? ean Vote (PMV)	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate cl  Will the modelling inform the development of a thermal zoning and c	0 be carried out? hange scenario; control strategy? ean Vote (PMV)	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design  Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Modelicated Percentage Displayed in the predicted Percentage Displayed in the Percentage Displayed in the Percentage Displaye	0 be carried out? hange scenario; control strategy? ean Vote (PMV) issatisfied (PPD)	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di	0  be carried out? hange scenario control strategy? ean Vote (PMV) issatisfied (PPD)	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved Total contribution to overall building score	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50%	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Mean Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved Total contribution to overall building score	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50%	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Mean Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  Assessment Criteria  Will thermal modelling of the design Will the building design be adapted for a projected climate of  Will the modelling inform the development of a thermal zoning and of  Key Performance Indicators: Thermal comfort  Predicted Me Predicted Percentage Di  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	o be carried out? hange scenario? control strategy? ean Vote (PMV) issatisfied (PPD)  3 2.50% N/A	Yes Yes Yes	Minimum  Credits available  1 1	Credits achieved  1 1	



### Hea 05 Acoustic Performance

ea 05 Acoustic Performance					
No. of BREEAM credits available	4		Available contrib	ution to overall score	3.33%
No. of BREEAM innovation credits available				standards applicable	No
ssessment Criteria		Credits	Credits available	Credits achieved	
Will the building meet the appropriate acoustic performance sta	andards and testing	Creates	Creares available	Credits demeved	
	requirements for:				
	a. Sound insulation	1	4	1	
	ambient noise level verberation times?				
5.110	verseration timest				
Total BREEAM credits achieved	1				
Total contribution to overall building score	0.83%				
Total BREEAM innovation credits achieved					
Minimum standard(s) level	N/A				
mments/notes:					
a 06 Safety and Security					
					4.670/
No. of BREEAM credits available				ution to overall score	1.67%
				ution to overall score standards applicable	1.67% No
No. of BREEAM credits available No. of BREEAM innovation credits available			Minimum	standards applicable	
No. of BREEAM credits available No. of BREEAM innovation credits available sessment Criteria	0	Compliant?			
No. of BREEAM credits available No. of BREEAM innovation credits available	0 for pedestrians and	Compliant?	Minimum	standards applicable	
No. of BREEAM credits available  No. of BREEAM innovation credits available sessment Criteria  Where external site areas are present, will safe access be designed	0 for pedestrians and cyclists?	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available No. of BREEAM innovation credits available ressment Criteria	0 for pedestrians and cyclists?		Minimum  Credits available	standards applicable  Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed  Will a suitably qualified security consultant be appointed and secu	0 for pedestrians and cyclists? urity considerations accounted for?	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed will a suitably qualified security consultant be appointed and security consultant cons	for pedestrians and cyclists? urity considerations accounted for?	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed will a suitably qualified security consultant be appointed and secundary consultant consultant consultant consultant consultant consul	for pedestrians and cyclists? urity considerations accounted for?	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed in the work of the wor	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed will a suitably qualified security consultant be appointed and secundary consultant consultant consultant consultant consultant consul	for pedestrians and cyclists? urity considerations accounted for?	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed in the work of the wor	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed in the work of the wor	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed in the work of the wor	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed in the work of the wor	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed in the work of the wor	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM innovation credits available sessment Criteria Where external site areas are present, will safe access be designed if Will a suitably qualified security consultant be appointed and secu Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed in the work of the wor	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed in the work of the wor	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Where external site areas are present, will safe access be designed in the work of the wor	for pedestrians and cyclists? urity considerations accounted for?  2 1.67% N/A	N/A	Minimum  Credits available	Credits achieved	



### **ENERGY** Ene 01 Reduction of energy use and carbon emissions No. of BREEAM credits available Available contribution to overall score 12 8.18% No. of BREEAM innovation credits available Minimum standards applicable How do you wish to assess the number of BREEAM credits achieved for this issue | Enter building performance data into the Ene01 calculator Ene 01 Calculator Confirm building regulation and Country of the UK where the building is located England England Part L2A 2013 version to be used: New Construction (Fully fitted) Building floor area 689 m2 Notional building heating and cooling energy demand 201.08 MJ/m2yr Actual building heating and cooling energy demand 170.02 MJ/m2yr Notional building primary energy consumption 386.61 kWh/m2yr Actual building primary energy consumption 362.92 kWh/m2yr kgCO2/m2yr Target emission rate (TER) 58.30 Building emission rate (BER) 57.1 kgCO2/m2yr Building emission rate improvement over TER 2.1% Heating & cooling demand energy performance ratio (EPR $_{ED}$ ) 0.207 Primary consumption energy performance ratio (EPR<sub>PC</sub>) 0.136 CO<sub>2</sub> Energy performance ratio (EPR<sub>co2</sub>) 0.030 Overall building energy performance ratio (EPF<sub>NC</sub>) 0.373 Where specified, please confirm the energy production from onsite or near site energy generation technologie: Equivalent % of the building's 'regulated' energy consumption generated by carbon neutral sources and used to meet energy demand from 'unregulated building systems or processes? Is the building designed to be 'carbon negative' If the building is defined as 'carbon negative' what is the total (modelled) renewable/carbon neutral energy generated and exported Total BREEAM credits achieved Total contribution to overall building score 2.73% Total BREEAM innovation credits achieved 0 Minimum standard(s) level Very Good level Comments/notes:



### Ene 02 Energy monitoring

	No. of BREEAM credits available	1		Available contrib	ution to overall score	0.68%
	No. of BREEAM innovation credits available				standards applicable	Yes
Assessment criteria			Compliant?	Credits available	Credits achieved	
Will a BMS or sub-met	ers be specified to monitor energy use from maj		Yes	1	1	
Will a BMS or sub-me	eters be specified to monitor energy use by tenar	systems? nt/building function				
		areas?				
	Total BREEAM credits achieved	1				
	Total contribution to overall building score					
	Total BREEAM innovation credits achieved					
	Minimum standard(s) level	Outstanding level				
Comments/notes:						
ne 03 External lighting	No. of BREEAM credits available				ution to overall score	0.68% No
	No. of BREEAM innovation credits available	0		IVIINIMUM	standards applicable	
						140
ssessment criteria			Compliant?	Credits available	Credits achieved	NO
	and an whole have a iffed in a sendance with the	- PDFF ANA:	Compliant?	Credits available	Credits achieved	NO
	s and controls be specified in accordance with th	e BREEAM criteria?	Compliant?	Credits available	Credits achieved	No
						No
	Total BREEAM credits achieved	1				, no
		1 0.68%				NO
	Total BREEAM credits achieved Total contribution to overall building score	1 0.68% N/A				No
Will external light fitting	Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	1 0.68% N/A				No
Will external light fitting	Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	1 0.68% N/A				Ne
Will external light fitting	Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	1 0.68% N/A				.NC
Will external light fitting	Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	1 0.68% N/A				.vc
will external light fitting	Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	1 0.68% N/A				NO
Will external light fitting	Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	1 0.68% N/A				NO
Will external light fitting	Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	1 0.68% N/A				NO.
Will external light fitting	Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	1 0.68% N/A				NO



e 04 Low carbon design				
No. of BREEAM credits available			ution to overall score	2.05%
No. of BREEAM innovation credits available 0		Minimum	standards applicable	No
essment criteria	Compliant?	Credits available	Credits achieved	
will passive design measures be used in line with an analysis be carried out during c	oncept			
design stage (RIBA stage 2 or equiva	alent)?	1	0	
Will free cooling measures be implemented in the whole building in line with the p design ana		1	0	
l a LZC technology be specified in line with a feasibility study carried out by the com of the Concept Design stage (RIBA Stage 2 or equive		1	1	
- Low and/or zero carbon energy generation		7		
Total on-site and/or near-site LZC energy gene	eration INA	kWh/yr		
Total BREEAM credits achieved 1	,			
Total contribution to overall building score 0.68%  Total BREEAM innovation credits achieved N/A	o e			
Minimum standard(s) level N/A				
mments/notes:				
e 05 Energy efficient cold storage			Assessment issu	e not applic
		Available contrib		
e 05 Energy efficient cold storage  No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available			Assessment issu ution to overall score standards applicable	ne not applic N/A N/A
No. of BREEAM credits available N/A			ution to overall score	N/A
No. of BREEAM credits available  No. of BREEAM innovation credits available  N/A  sessment criteria	Compliant?		ution to overall score	N/A
No. of BREEAM credits available  No. of BREEAM innovation credits available  N/A	ce with	Minimum	ution to overall score standards applicable	N/A
No. of BREEAM credits available  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance	ce with iteria?	Minimum  Credits available	ution to overall score standards applicable Credits achieved	N/A
No. of BREEAM credits available  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM cri	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  Sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emis  Total BREEAM credits achieved  N/A  Total contribution to overall building score	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emistrate as a saving in indirect greenhouse gas	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance  BREEAM cri  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emis  Total BREEAM credits achieved  N/A  Total contribution to overall building score	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  Sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emistrate a sav	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrated by the refrigera	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM innovation credits available  N/A  Sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emistrate gas emistrate gas emistrate gas emistrate g	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrated by the refr	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrated by the refrigera	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrate a saving in indirect greenhouse gas emistrated by the refrigeration system demonstrated by the refrigera	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emis  Total BREEAM credits achieved  N/A  Total contribution to overall building score  N/A  Total BREEAM innovation credits achieved  N/A  Minimum standard(s) level  N/A	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A
No. of BREEAM credits available  N/A  No. of BREEAM innovation credits available  N/A  sessment criteria  Will the refrigeration system be designed, installed & commissioned in accrodance BREEAM criteria  Will the refrigeration system demonstrate a saving in indirect greenhouse gas emis  Total BREEAM credits achieved  N/A  Total contribution to overall building score  N/A  Total BREEAM innovation credits achieved  N/A  Minimum standard(s) level  N/A	ce with iteria?	Minimum Credits available N/A	cution to overall score standards applicable  Credits achieved  N/A	N/A



Ene 06 Energy efficient transportation systems

No. of BREEAM innovation credits available	3			ution to overall score	2.05%
	0		Minimum	standards applicable	N/A
sessment criteria		Compliant?	Credits available	Credits achieved	
Will a transportation system analysis be carried out to determine and spe		Yes	1	1	
number, size and type of lifts that is most Will the relevant energy-efficient feature:	<u> </u>	Yes	2	2	
viii the relevant energy emolent reacast.	s criteria se met.	163			
Total BREEAM credits achieved	3				
Total contribution to overall building score Total BREEAM innovation credits achieved	2.05% N/A				
Minimum standard(s) level	N/A				
omments/notes:					
o 07 Energy officient leberatory systems				Accessment issue	not onnlie
e 07 Energy efficient laboratory systems				Assessment issue	not applic
No. of BREEAM credits available	N/A		Available contrib	ution to overall score	N/A
No. of BREEAM innovation credits available	N/A		Minimum	standards applicable	N/A
1131 01 Bit227 IIII IIII 01 at an a a a a a a a a a a a a a a a a a	, , .				,
ssessment criteria		Compliant?	Credits available	Credits achieved	
Pre-requisite: Criterion 1 of Hea 03 - risk assessment of lal	boratory facilities				
Have the occupants' laboratory requirements & performance criteria been	confirmed during				
the preparation of the initial project brief to minimise					
the preparation of the initial project brief to minimise	energy demand:				
Best Practice Energy Practices in Labor					
Will the laboratory meet criteria ite	em b) Fan power?				
Will the laboratory criteria item c) Fume cupboard vo					
Will the lab meet item d) Grouping / isolation of high filtration (ven					
Will the lab meet item d) Grouping / isolation of high filtration/veni					
Will the laboratory meet criteria item e) Energy	recovery - heat?				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re	y recovery - heat? ecovery - cooling?				
Will the laboratory meet criteria item e) Energy	y recovery - heat? ecovery - cooling?				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping	recovery - heatí ecovery - coolingí of cooling loadsí				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item	y recovery - heat? ecovery - cooling? of cooling loads? n h) Free cooling?				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load	y recovery - heat? ecovery - cooling? of cooling loads? n h) Free cooling? I responsiveness?				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter	y recovery - heat: ecovery - cooling: of cooling loads: n h) Free cooling: I responsiveness: m j) Cleanrooms:				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load	y recovery - heat: ecovery - cooling: of cooling loads: n h) Free cooling: I responsiveness: m j) Cleanrooms:				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity;				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter Will the laboratory meet criteria i	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity;				
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Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter Will the laboratory meet criteria iter Will the laboratory meet criteria iter	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity; air-change rates;				
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Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter Will the laboratory meet criteria iter Will the laboratory meet criteria item l) Room Total BREEAM credits achieved	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity; air-change rates;  N/A N/A				
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Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter Will the laboratory meet criteria iter Will the laboratory meet criteria item l) Room Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity; air-change rates;  N/A N/A N/A				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter Will the laboratory meet criteria iter Will the laboratory meet criteria item l) Room Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity; air-change rates;  N/A N/A N/A				
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Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter Will the laboratory meet criteria iter Will the laboratory meet criteria item l) Room Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity; air-change rates;  N/A N/A N/A				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter Will the laboratory meet criteria iter Will the laboratory meet criteria item l) Room Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity; air-change rates;  N/A N/A N/A				
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Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter Will the laboratory meet criteria iter Will the laboratory meet criteria item l) Room Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity; air-change rates;  N/A N/A N/A				
Will the laboratory meet criteria item e) Energy Will the laboratory meet criteria item f) Energy re Will the laboratory meet criteria item g) Grouping Will the laboratory meet criteria item Will the laboratory meet criteria item i) Load Will the laboratory meet criteria iter Will the laboratory meet criteria iter Will the laboratory meet criteria item l) Room Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	y recovery - heat; ecovery - cooling; of cooling loads; n h) Free cooling; I responsiveness; m j) Cleanrooms; item k) Diversity; air-change rates;  N/A N/A N/A				



Ene 08 Energy efficient equipment

e 08 Energy efficient eq	uipment					
	No. of BREEAM credits available				ution to overall score	1.36%
	No. of BREEAM innovation credits available	е 0		Minimum	standards applicable	No
sessment criteria	following will be present and likely to be a/the r	major contributor to				
which of the		ulated' energy use?	Present	Major impact		
	Ref A Small power and	plug in equipment?	Yes	Yes		
		f B Swimming pool? Communal laundry?	No No	No		
		Ref D Data centre?	No			
	Ref E IT-intension	ve operation areas?	No			
	Ref I	F Residential areas? Ref G Healthcare?	No No			
	Ref H Kitchen and	d catering facilities?	No			
		J.				
			Compliant	Credits available	Credits achieved	
Will the significant	majority contributor(s) to 'unregulated' energy	use above meet the BREEAM criteria?	Yes	2	2	
	Total BREEAM credits achieved	d 2				
	Total contribution to overall building score					
	Total BREEAM innovation credits achieved					
	Minimum standard(s) leve					
mments/notes:						
e 09 Drying space					Assessment issue	e not applica
e 09 Drying space	No. of BREEAM credits available	e N/A		Available contrib	Assessment issue	e not applica
e 09 Drying space	No. of BREEAM credits available					
			Compliant?	Minimum	ution to overall score standards applicable	N/A
	No. of BREEAM innovation credits available	e N/A	Compliant?		ution to overall score	N/A
	No. of BREEAM innovation credits available Will internal/external drying space and f	e N/A fixings be provided i	Compliant?	Minimum	ution to overall score standards applicable	N/A
	No. of BREEAM innovation credits available Will internal/external drying space and f	e N/A fixings be provided:	Compliant?	Minimum	ution to overall score standards applicable	N/A
	No. of BREEAM innovation credits available  Will internal/external drying space and for the space and formula because the space and formula building score and formula contribution to overall building score	fixings be provided:  d N/A  e N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A
	No. of BREEAM innovation credits available  Will internal/external drying space and to  Total BREEAM credits achieved  Total contribution to overall building scort  Total BREEAM innovation credits achieved	fixings be provided:  d N/A e N/A d N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A
essment criteria	No. of BREEAM innovation credits available  Will internal/external drying space and for the space and formula because the space and formula building score and formula contribution to overall building score	fixings be provided:  d N/A e N/A d N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A
sessment criteria	No. of BREEAM innovation credits available  Will internal/external drying space and to  Total BREEAM credits achieved  Total contribution to overall building scort  Total BREEAM innovation credits achieved	fixings be provided:  d N/A e N/A d N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A
sessment criteria	No. of BREEAM innovation credits available  Will internal/external drying space and to  Total BREEAM credits achieved  Total contribution to overall building scort  Total BREEAM innovation credits achieved	fixings be provided:  d N/A e N/A d N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A
sessment criteria	No. of BREEAM innovation credits available  Will internal/external drying space and to  Total BREEAM credits achieved  Total contribution to overall building scort  Total BREEAM innovation credits achieved	fixings be provided:  d N/A e N/A d N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A
sessment criteria	No. of BREEAM innovation credits available  Will internal/external drying space and to  Total BREEAM credits achieved  Total contribution to overall building scort  Total BREEAM innovation credits achieved	fixings be provided:  d N/A e N/A d N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A
sessment criteria	No. of BREEAM innovation credits available  Will internal/external drying space and to  Total BREEAM credits achieved  Total contribution to overall building scort  Total BREEAM innovation credits achieved	fixings be provided:  d N/A e N/A d N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A
sessment criteria	No. of BREEAM innovation credits available  Will internal/external drying space and to  Total BREEAM credits achieved  Total contribution to overall building scort  Total BREEAM innovation credits achieved	fixings be provided:  d N/A e N/A d N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A
sessment criteria	No. of BREEAM innovation credits available  Will internal/external drying space and to  Total BREEAM credits achieved  Total contribution to overall building scort  Total BREEAM innovation credits achieved	fixings be provided:  d N/A e N/A d N/A	Compliant?	Minimum	ution to overall score standards applicable	N/A



### **TRANSPORT** Tra 01 Public Transport Accessibility No. of BREEAM credits available Available contribution to overall score 4.09% No. of BREEAM innovation credits available Minimum standards applicable No Building type category (for purpose of Tra01 issue assessment Other Building Type 2 Assessment Criteria Compliant Credits available Credits achieved Indicative public transport accessibility index (AI) 18.00 5 Will the building have a dedicated bus service? N/A Indicative Accessibility Index for pre-assessment ΑI Poor or no public transport provision 0 1 A single BREEAM compliant public transport node available Some BREEAM compliant public transport nodes/services available 2 4 A selection of BREEAM compliant public transport nodes/services available Good provision of public transport i.e. small urban centre / suburban area 8 10 Very Good provision of public transport i.e. small/medium urban centre Excellent provision of public transport, i.e. medium urban centre 12 18 Excellent provision of public transport, i.e. large urban/metropolitan city centre Total BREEAM credits achieved 5 Total contribution to overall building score 4.09% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A Comments/notes: Tra 02 Proximity to Amenities No. of BREEAM credits available Available contribution to overall score 0.82% No. of BREEAM innovation credits available Minimum standards applicable Nο Assessment Criteria Compliant? Credits available Credits achieved Will the building be in close proximity of and accessible to applicable amenities Yes Total BREEAM credits achieved 1 Total contribution to overall building score 0.82% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A Comments/notes



Tra 03 Cyclist facilities					
No. of BREEAM credits available	2		Available contrib	ution to overall score	1.64%
No. of BREEAM innovation credits available				standards applicable	No
NO. OF BILLARY ITHOVALION CIECULS AVAILABLE	U		Willimum	standards applicable	NO
Building type category (for purpose of Tra03	issue assessment	Other Building - t	ransport type 2		
How many compliant cycle storage spaces		2	]		
What cyclist facilities			nging facilities		
	,		0 0 11 11		
Assessment Criteria		Compliant?	Credits available	Credits achieved	
Су	cle storage spaces	Yes	2	2	
	Cyclist facilities	Yes			
Total BREEAM credits achieved	2				
Total contribution to overall building score					
Total BREEAM innovation credits achieved					
Minimum standard(s) level					
iviiiiiiiiiii Staiidaid(s) ievei	N/A				
Comments/notes:					
·					
Tra 04 Maximum Car Parking Capacity					
No. of BREEAM credits available				ution to overall score	1.64%
No. of BREEAM innovation credits available	0		Minimum	standards applicable	No
D. ildia a transport of the second	f T04 :'	Other Duilding t			
Building type category (for purpo Building's indicative Accessibility Index (sourced		18	ransport type 2		
building a mulative Accessibility muex (sourced	i iioiii issue iiaoi	10			
Assessment Criteria		Compliant?	Credits available	Credits achieved	
Will BREEAM's maximum parking capacity criteria for the building type/Acc	cessibility Index be	Vaa	2	2	
	met?	Yes	2	2	
Total BREEAM credits achieved	2				
Total contribution to overall building score					
Total BREEAM innovation credits achieved					
Minimum standard(s) level	N/A				
Comments In stock					
Comments/notes:					



Tra 05 Travel Plan

Tra 05 Travel Plan						
	No. of BREEAM credits available	1		Available contrib	ution to overall score	0.82%
	No. of BREEAM innovation credits available	0		Minimum	standards applicable	No
Assessment Criteria			Compliant?	Credits available	Credits achieved	
Will a transport pla	an based on site specific travel survey/assessm	ent be developed	Yes	1	1	
	Total BREEAM credits achieved	1				
	Total contribution to overall building score					
	Total BREEAM innovation credits achieved	N/A				
	Minimum standard(s) level	N/A				
Comments/notes:						
A/ATED						
WATER						
Wat 01 Water Consumption						
	No. of DDEEAM crodits available	F		Available centrib	ution to overall score	A 200/
	No. of BREEAM credits available  No. of BREEAM innovation credits available				ution to overall score standards applicable	4.38% Yes
	No. of bitterivi inflovation credits available	1		William	standards applicable	163
	s the number of BREEAM credits to be achieve				baseline sanitary fitting	S
What is the target for % redu	uction in potable water consumption for sanitar	ry use in the buildi	ng?	12.5% - one credit		
	Please select the calculation procedure used					
					<u> </u>	
Standard approach data						
standard approach data	Water Consumption from building m	nicro-components		L/person/day		
	Water demand met via greywater/	/rainwater sources		L/person/day		
		vater consumption		L/person/day		
	Improvement on base	eline performance		%		
Key Performance Indicator -				1 2 / /		
		ater Consumption ouilding occupancy		m3/person/yr		
		0 ,		<u>.</u>		
Alternative approach data	0			1		
	Overall microcomponent performar	nce level achieved				
	Total BREEAM credits achieved					
	Total contribution to overall building score					
	Total BREEAM innovation credits achieved Minimum standard(s) level					
	iviiiiiiiiii staliualu(s) level	LACEIIEIIL IEVEI				
Comments/notes:						



Wat 02 Water Monitoring

/at 02 Water Monitoring					
No. of BREEAM credits available	1			ution to overall score	0.88%
No. of BREEAM innovation credits available	0		Minimum	standards applicable	Yes
ssessment Criteria		Compliant?	Credits available	Credits achieved	
Will there be a water meter on the mains water supply to Will metering/monitoring equipment be specified on the water supply		Yes	1	1	
	building areas?	Yes			
Will all specified water meters have a	pulsed output?	Yes			
the site/building has an existing BMS connection, will all pulsed meters be co		Yes			
	BMS?				
Total BREEAM credits achieved	1				
Total contribution to overall building score	0.88%				
Total BREEAM innovation credits achieved	N/A				
Minimum standard(s) level <mark>Ou</mark>	utstanding level				
omments/notes:					
at 03 Water Leak Detection and Prevention					
	2		Available contrib	ution to overall score	1 75%
No. of BREEAM credits available	2 0			ution to overall score	1.75% No
				ution to overall score standards applicable	
No. of BREEAM credits available No. of BREEAM innovation credits available		Compliant?	Minimum	standards applicable	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria	0	Compliant?	Minimum  Credits available	standards applicable  Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria  Will a mains water leak detection system be installed on the building's mains	0 s water supply?	Compliant?	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available sessment Criteria	0 s water supply?		Minimum  Credits available	standards applicable  Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Will a mains water leak detection system be installed on the building's mains	0 s water supply?	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  seessment Criteria  Will a mains water leak detection system be installed on the building's mains  Will flow control devices be installed in each sanitar	0 s water supply? ry area/facility?	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria  Will a mains water leak detection system be installed on the building's main:  Will flow control devices be installed in each sanital	0 s water supply? ry area/facility; 0	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Will a mains water leak detection system be installed on the building's main:  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score	0 s water supply? ry area/facility:  0 0.00%	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  Will a mains water leak detection system be installed on the building's main:  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	0 s water supply? ry area/facility?  0 0.00% N/A	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  seessment Criteria  Will a mains water leak detection system be installed on the building's main:  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	0 s water supply? ry area/facility?  0 0.00% N/A	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria  Will a mains water leak detection system be installed on the building's mains  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	0 s water supply? ry area/facility?  0 0.00% N/A	No	Minimum  Credits available	credits achieved	
No. of BREEAM innovation credits available ssessment Criteria  Will a mains water leak detection system be installed on the building's mains  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved	0 s water supply? ry area/facility?  0 0.00% N/A	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria  Will a mains water leak detection system be installed on the building's mains  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	0 s water supply? ry area/facility?  0 0.00% N/A	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria  Will a mains water leak detection system be installed on the building's mains  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	0 s water supply? ry area/facility?  0 0.00% N/A	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria  Will a mains water leak detection system be installed on the building's mains  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	0 s water supply? ry area/facility?  0 0.00% N/A	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  seessment Criteria  Will a mains water leak detection system be installed on the building's mains  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	0 s water supply? ry area/facility?  0 0.00% N/A	No	Minimum  Credits available	credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria  Will a mains water leak detection system be installed on the building's mains  Will flow control devices be installed in each sanitar  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level	0 s water supply? ry area/facility?  0 0.00% N/A	No	Minimum  Credits available	credits achieved	



Wat 04 Water Efficient Equipment Assessment issue not applicable No. of BREEAM credits available Available contribution to overall score N/A N/A No. of BREEAM innovation credits available Minimum standards applicable N/A N/A Assessment Criteria Compliant? Credits available Credits achieved Has a meaningful reduction in unregulated water demand been achieved? Total BREEAM credits achieved N/A Total contribution to overall building score N/A Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A Comments/notes: MATERIALS Mat 01 Life Cycle Impacts No. of BREEAM credits available Available contribution to overall score 6 5.79% No. of BREEAM innovation credits available Minimum standards applicable No Define the number of Mat 01 credits achieved How do you wish to assess the number of BREEAM credits to be achieved for this issue? Assessment Criteria Predicted total Mat01 credits achieved 5 Green Guide exemplary level compliant? No Has IMPACT compliant software been used? No Area of element Total area of impact data Total impact element m<sup>2</sup> relevant to m<sup>2</sup> Key Performance Indicator - embodied green house gas emissions by element kgCO<sub>2</sub> eq. External walls Windows Roof Upper floor construction Internal wall Floor finishes/coverings Key Performance Indicator - embodied green house gas emissions for building (assessed elements only) Total embodied green house gas emissions for building (by assessed elements) Missing data kgCO<sub>2</sub> eq. kgCO<sub>2</sub> eq./m<sup>2</sup> Proportion of applicable building elements that data reported covers Total BREEAM credits achieved 5 Total contribution to overall building score 4.82% Total BREEAM innovation credits achieved 0 Minimum standard(s) level N/A Comments/notes:



### Mat 02 Hard Landscaping and Boundary Protection

No. of BREEAM credits available	1		Available contrib	ution to overall score	0.96%
No. of BREEAM innovation credits available	0		Minimum	standards applicable	No
ssessment Criteria		Compliant?	Credits available	Credits achieved	
Vill ≥80% of all external hard landscaping and boundary protection achieve a	Green Guide A	Yes	1	1	
	or A+ rating?	163	1	1	
Total BREEAM credits achieved	1				
Total contribution to overall building score	0.96%				
Total BREEAM innovation credits achieved	N/A				
Minimum standard(s) level	N/A				
and the state of the state of					
omments/notes:					
at 03 Responsible Sourcing					
lat 03 Responsible Sourcing  No. of BREEAM credits available	4		Available contrib	ution to overall score	3.86%
	4 1			ution to overall score	3.86% Yes
No. of BREEAM credits available					
No. of BREEAM credits available  No. of BREEAM innovation credits available		Compliant	Minimum	standards applicable	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria	1	Compliant			
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria  All timber and timber based products are 'Legally harvested and	1 trader timber	Yes	Minimum  Credits available	standards applicable  Credits achieved	
No. of BREEAM credits available  No. of BREEAM innovation credits available  sessment Criteria	1 trader timber urement plan?		Minimum	standards applicable	
No. of BREEAM credits available  No. of BREEAM innovation credits available  seessment Criteria  All timber and timber based products are 'Legally harvested and  Is there a documented sustainable procupers of materials procupers.	1 trader timber urement plan? points achieved	Yes No 25.00%	Minimum  Credits available  1 3	credits achieved  0 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria  All timber and timber based products are 'Legally harvested and  Is there a documented sustainable proc	1 trader timber urement plan? points achieved	Yes No 25.00%	Minimum  Credits available  1 3	credits achieved  0 1	
No. of BREEAM innovation credits available ssessment Criteria  All timber and timber based products are 'Legally harvested and Is there a documented sustainable prociper Percentage of available responsible sourcing of materials processes on the confirmation of the country of	trader timber urement plan? points achieved assess Mat03	Yes No 25.00%	Minimum  Credits available  1 3	credits achieved  0 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  ssessment Criteria  All timber and timber based products are 'Legally harvested and Is there a documented sustainable proc Percentage of available responsible sourcing of materials p  Please confirm the route used to	trader timber urement plan: ioints achieved assess Mat03	Yes No 25.00%	Minimum  Credits available  1 3	credits achieved  0 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  seessment Criteria  All timber and timber based products are 'Legally harvested and  Is there a documented sustainable proc  Percentage of available responsible sourcing of materials p  Please confirm the route used to  Total BREEAM credits achieved  Total contribution to overall building score	trader timber urement plan: points achieved assess Mat03	Yes No 25.00%	Minimum  Credits available  1 3	credits achieved  0 1	
No. of BREEAM credits available  No. of BREEAM innovation credits available  seessment Criteria  All timber and timber based products are 'Legally harvested and  Is there a documented sustainable proc  Percentage of available responsible sourcing of materials p  Please confirm the route used to	trader timber urement plan? points achieved assess Mat03  1 0.96% 0	Yes No 25.00%	Minimum  Credits available  1 3	credits achieved  0 1	



### Mat 04 Insulation

Mat 04 Insulation						
	No. of BREEAM credits available	1		Available <u>contrib</u>	ution to overall score	0.96%
No. of B	REEAM innovation credits available	0			standards applicable	No
Assessment Criteria				Credits available	Credits achieved	
	What is the building's targeted	d insulating index?	2.50	1	1	Note: An insula
	Total BREEAM credits achieved	1				
Total co	ontribution to overall building score	0.96%				
	REEAM innovation credits achieved	N/A				
	Minimum standard(s) level	N/A				
Comments/notes:						
Comments/notes:						
1at 05 Designing for durability and res	silience					
	No. of BREEAM credits available	1		Available contrib	ution to overall score	0.96%
						0.5070
No. of B	REEAM innovation credits available	0			standards applicable	N/A
No. of B	REEAM innovation credits available	0				
ssessment Criteria			Compliant?			
		vulnerable areas o	Compliant?  Yes	Minimum	standards applicable	
Assessment Criteria Will suitable durability/protection mea	asures be specified and installed to v	vulnerable areas o the building?		Minimum	standards applicable	
ssessment Criteria Will suitable durability/protection mea	asures be specified and installed to v	vulnerable areas o the building? kposed parts of the		Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria Will suitable durability/protection mea	asures be specified and installed to v	vulnerable areas o the building?	Yes	Minimum  Credits available	standards applicable  Credits achieved	
ssessment Criteria Will suitable durability/protection mea	asures be specified and installed to v sures be specified and installed to ex	vulnerable areas o the building? kposed parts of the	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Vill suitable durability/protection meas	asures be specified and installed to v sures be specified and installed to ex Total BREEAM credits achieved	vulnerable areas o the building? oposed parts of the building?	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Vill suitable durability/protection meas  Total co	asures be specified and installed to v sures be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score	vulnerable areas o the building? kposed parts of the building? 1 0.96%	Yes	Minimum  Credits available	standards applicable  Credits achieved	
ussessment Criteria Will suitable durability/protection meas Vill suitable durability/protection meas Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Vill suitable durability/protection meas  Total co	asures be specified and installed to v sures be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score	vulnerable areas o the building? kposed parts of the building? 1 0.96%	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Vill suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Vill suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria  Will suitable durability/protection meas  Will suitable durability/protection meas  Total co	asures be specified and installed to values be specified and installed to ex Total BREEAM credits achieved ontribution to overall building score REEAM innovation credits achieved	vulnerable areas o the building? xposed parts of the building? 1 0.96% N/A	Yes	Minimum  Credits available	standards applicable  Credits achieved	

### Mat 06 Material efficiency

No. of BREEAM credits available	1		Available contrib	ution to overall score	0.96%
No. of BREEAM innovation credits available	0		Minimum	standards applicable	No
Assessment Criteria		Compliant?	Credits available	Credits achieved	
Will material efficiency measures be identified & implemented during	g all RIBA stages?	No	1	0	

Total BREEAM credits achieved	0
Total contribution to overall building score	0.00%
Total BREEAM innovation credits achieved	N/A
Minimum standard(s) level	N/A



Comments/notes:	
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	ļ



### WASTE **Wst 01 Construction Waste Management** No. of BREEAM credits available Available contribution to overall score 4.25% No. of BREEAM innovation credits available Minimum standards applicable Yes Define a target number of BREEAM credits How do you wish to assess the number of BREEAM credits to be achieved for this issue Select the number of BREEAM credits being targeted for issue Wst 01 BREEAM Wst01 Innovation credits: Assessment Criteria Compliant? Construction resource management plan Compliant Pre-demolition audit Does the excavation waste meet the exemplary level requirements? Key Performance Indicators - Construction Waste Measure/units for the data being reported Non-hazardous construction waste (excluding demolition/excavation) Total non-hazardous construction waste generated Note: At the pre-assessment stage this Non-hazardous non-demolition const. waste diverted from landfil Note: At this stage this will be a target Total non-hazardous non-demolition const. waste diverted from landfil Note: At the pre-assessment stage this Note: At this stage this will be a target Total non-hazardous demolition waste generated Note: At this stage this will be a target Non-hazardous demolition waste diverted from landfil Total non-hazardous demolition waste to disposa Note: At the pre-assessment stage this Note: At this stage this will be a target Material for reuse Material for recycling Note: At this stage this will be a target Note: At this stage this will be a target Material for energy recovery Note: At this stage this will be a target Hazardous waste to disposal Total BREEAM credits achieved 3 Total contribution to overall building score 3.19% Total BREEAM innovation credits achieved 0 Minimum standard(s) level Outstanding level Comments/notes:



Wst 02 Recycled Aggregates

	.,				
	No. of BREEAM credits available	1		Available contribution to overall score	1.06%
	No. of BREEAM innovation credits available	1		Minimum standards applicable	No
		-			
Assessment Criter	a		Total		
What	s the target total % of high-grade aggregate that will be	recycled/secondary			
*******	s the target total /s of mg. Brade agg. egate that will se		0%		
		aggregate?			
% of high-grade a	ggregate that is recycled/secondary aggregate - by applic	ration			
70 or mgm grade a	56. egate that is respectally secondary aggregate by applications			1	
		Structural frame			
	Bitumen/hydraulically bound base, binder a	and surface courses			
	Ві	uilding foundations			
	Con	crete road surfaces			
		Pipe bedding			
	C to the				
	Grant	ular fill and capping			
	Total BREEAM credits achieved	0			
	Total contribution to overall building score				
	Total BREEAM innovation credits achieved	0			
	Minimum standard(s) leve	N/A			
		TV/ A			
Comments/notes:					
Wst 03 Operation	al Masta				
	di vvaste				
	ai vvaste				
		4		Available contribution to averall coore	1.069/
	No. of BREEAM credits available	1		Available contribution to overall score	1.06%
	No. of BREEAM credits available				1.06% Yes
				Available contribution to overall score Minimum standards applicable	
	No. of BREEAM credits available				
	No. of BREEAM credits available No. of BREEAM innovation credits available			Minimum standards applicable	
Assessment Criter	No. of BREEAM credits available No. of BREEAM innovation credits available		Compliant?		
Assessment Criter	No. of BREEAM credits available No. of BREEAM innovation credits available a	0		Minimum standards applicable	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr	egated and stored:	Yes	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr Will static waste compactor(s) or baler(s) be specified waste volumes.	egated and stored where appropriate	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr	egated and stored where appropriate	Yes	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr Will static waste compactor(s) or baler(s) be specified waste volumes.	egated and stored where appropriate	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr Will static waste compactor(s) or baler(s) be specified waste volumes.	egated and stored where appropriate	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr Will static waste compactor(s) or baler(s) be specified waste volumes.	egated and stored where appropriate	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr Will static waste compactor(s) or baler(s) be specified waste will vessel(s) for composting suitable organic waste w	egated and stored where appropriate where appropriate where appropriate is	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr Will static waste compactor(s) or baler(s) be specified waste volumes.	egated and stored where appropriate where appropriate where appropriate is	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr Will static waste compactor(s) or baler(s) be specified waste waste compactor(s) or baler(s) for composting suitable organic waste was	egated and stored where appropriate where appropriate where appropriate in the state of the stat	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified to  Will vessel(s) for composting suitable organic waste to  Total BREEAM credits achieved	egated and stored where appropriate where appropriate and the store appropriate appropri	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr Will static waste compactor(s) or baler(s) be specified waste waste compactor(s) or baler(s) for composting suitable organic waste was	egated and stored where appropriate where appropriate and the store appropriate appropri	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be achieved.  Total BREEAM credits achieved.	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  a  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified to  Will vessel(s) for composting suitable organic waste to  Total BREEAM credits achieved	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be achieved.  Total BREEAM credits achieved.	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
Assessment Criter	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be achieved.  Total BREEAM credits achieved.	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be achieved.  Total BREEAM credits achieved.	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be achieved.  Total BREEAM credits achieved.	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be achieved.  Total BREEAM credits achieved.	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be achieved.  Total BREEAM credits achieved.	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be achieved.  Total BREEAM credits achieved.	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
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	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be a specified will vessel organic waste will be a specified will vessel organic waste will be a specified will	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be a specified will vessel organic waste will be a specified will vessel organic waste will be a specified will	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be a specified will vessel organic waste will be a specified will vessel organic waste will be a specified will	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be a specified will vessel organic waste will be a specified will vessel organic waste will be a specified will	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	
	No. of BREEAM credits available  No. of BREEAM innovation credits available  Will operational recyclable waste volumes be segr  Will static waste compactor(s) or baler(s) be specified will vessel(s) for composting suitable organic waste will vessel(s) for composting suitable organic waste will be a specified will vessel organic waste will be a specified will vessel organic waste will be a specified will	egated and stored where appropriate where appropriate and 1.06%	Yes N/A	Minimum standards applicable  Credits available Credits achieved	

Wst 04 Speculative Floor and Ceiling Finishes				Assessment iss	ue not applicable
No. of DDFFAM avadita available	NI/A		Available contrib	ution to overall score	NI / A
No. of BREEAM credits available No. of BREEAM innovation credits available	N/A N/A			standards applicable	N/A N/A
INO. OF DREEAIN HITTOVALION CIEURS AVAILABLE	N/A		Willimum	standards applicable	N/A
Assessment Criteria		Compliant?	Credits available	Credits achieved	
			-	-	
Total BREEAM credits achieved	N/A				
Total contribution to overall building score Total BREEAM innovation credits achieved	N/A				
Total BREEAIVI IIIIOVation credits achieved Minimum standard(s) level	N/A N/A				
within standard(s) level	N/A				
Comments/notes:					
Wst 05 Adaption to climate change					
No. of BREEAM credits available	1		Available contrib	ution to overall score	1.06%
No. of BREEAM innovation credits available	1			standards applicable	N/A
NO. OF BILLARY HITOVALION CIECUS AVAILABLE	1		Willimitatii	standards applicable	N/A
Assessment Criteria		Compliant?	Credits available	Credits achieved	
Will a climate change adaptation strategy appraisal for structural and		No	1	0	
conducted by the end of Concept Design (RIBA Stage Will emexplary level criteria – Responding to adaptation to clima		No	1	0	
will efficiently level criteria – nesponding to adaptation to clima	te change be met:	INO	1	U	
Total BREEAM credits achieved	0				
Total contribution to overall building score	0.00%				
Total BREEAM innovation credits achieved	0				
Minimum standard(s) level	N/A				
Commontelanton					
Comments/notes:					
Wst 06 Functional adaptability					
No. of BREEAM credits available	1		Available contrib	ution to overall score	1.06%
No. of BREEAM innovation credits available	0			standards applicable	N/A
					,, .
			0 10 000	0.19	
Assessment Criteria		Compliant?	Credits available	Credits achieved	
Will a building specific functional adaptation strategy appraisal be con-					
Design (RIBA Stage 2 or equivalent) and will functional adapt	ation measures be implemented?	No	1	0	
	implemented?				
Total BREEAM credits achieved	0				
Total contribution to overall building score	0.00%				
Total BREEAM innovation credits achieved	N/A				

Minimum standard(s) level



Comments/notes:				
LAND USE & ECOLOGY				
EARLY USE & ECOLOGI				
LE 01 Site Selection				
No. of BREEAM credits available 2		Available contrib	ution to overall score	2.00%
No. of BREEAM innovation credits available 0		Minimum	standards applicable	No
Assessment Criteria  Will at least 75% of the proposed development's footprint be located on previously occupied	Compliant?	Credits available	Credits achieved	
will at least 75% of the proposed development's footprint be located on previously occupied land?	Yes	1	1	
Is the site deemed to be significantly contaminated?	No	1	0	
Total BREEAM credits achieved 1				
Total contribution to overall building score 1.00%				
Total BREEAM innovation credits achieved N/A  Minimum standard(s) level N/A				
Comments/notes:				



Can the land within the construction zone be defined as 'land of low ecological value'  Will all features of ecological value surrounding the construction zone/site boundary by protected?  Total BREEAM credits achieved  2  Total BREEAM innovation credits achieved  Minimum standard(s) level  N/A  Minimum standard(s) level  No. of BREEAM credits available  No. of BREEAM innovation credits available  Data sourced for calculating the change in ecological value from  Suitably Qualified Ecologist site survey of plant species	02 Ecological Value of S	ite and Protection of Ecological Features					
essment Criteria  Can the land within the construction zone be defined as "and of low ecological value"  Will all features of ecological value surrounding the construction zone) site boundary be protected?  Total BREAM credits achieved  Total BREAM innovation credits achieved  No. of BREEAM credits available  No. of BREEAM innovation credits achieved  Total BREEAM innovation credits achieved  Total BREEAM innovation credits achieved  No. of BREEAM innovation credits achieved					Available contrib	ution to overall score	2.00%
Compliant? Credits available Credits achieved  Can the land within the construction zone be defined as "land of low ecological value" Will all features of ecological value surrounding the construction zone/site boundary be protected?  Total BREEAM credits achieved  Total BREEAM credits achieved  N/A  Minimum standard(s) level  No. of BREEAM credits available  N		No. of BREEAM innovation credits available	0		Minimum	standards applicable	No No
Can the land within the construction zone be defined as 'land of low ecological value' Will all features of ecological value surrounding the construction zone/site boundary be protected?  Total BREEAM credits achieved  Total BREEAM innovation credits achieved Minimum standard(s) level  N/A  No. of BREEAM credits available  No. of BREEAM innovation credits available  No. of BREEAM innovation credits available  Data sourced for calculating the change in ecological value from Suitably Qualified Ecologist site survey of plant species of Total BREEAM credits available as a result of the sites development of Total BREEAM credits available as a result of the sites development of Total BREEAM credits achieved  Total BREEAM credits achieved  Total BREEAM credits achieved  Total BREEAM credits achieved Total BREEAM credits achieved Total BREEAM credits achieved Minimum standard(s) level Outstanding level Outstanding level Outstanding level		Ecological value of the	land defined using	A Suitably Qualifi	ed Ecologist		
Can the land within the construction zone be defined as 'land of low ecological value' Will all features of ecological value surrounding the construction zone/site boundary be protected?  Total BREEAM credits achieved  Total BREEAM innovation credits achieved Minimum standard(s) level  N/A  No. of BREEAM credits available  No. of BREEAM innovation credits available  No. of BREEAM innovation credits available  Data sourced for calculating the change in ecological value from Suitably Qualified Ecologist site survey of plant species of Total BREEAM credits available as a result of the sites development of Total BREEAM credits available as a result of the sites development of Total BREEAM credits achieved  Total BREEAM credits achieved  Total BREEAM credits achieved  Total BREEAM credits achieved Total BREEAM credits achieved Total BREEAM credits achieved Minimum standard(s) level Outstanding level Outstanding level Outstanding level							
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Total BREEAM credits achieved Total BREEAM innovation credits achieved N/A Minimum standard(s) level  No. of BREEAM credits available No. of BREEAM innovation credits available Data sourced for calculating the change in ecological value from What is the likely change in ecological value as a result of the sites development Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level  Outstanding level Outstanding level Outstanding level Outstanding level							
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Total BREEAM innovation credits available  No. of BREEAM credits available No. of BREEAM innovation credits available Data sourced for calculating the change in ecological value from What is the likely change in ecological value as a result of the sites development What is the likely change in ecological value as a result of the sites development Total BREEAM credits achieved Total contribution to overall building score Total BREEAM credits achieved Minimum standard(s) level N/A Minimum standard(s) level Outstanding level		Total BREEAM credits achieved	2				
Minimum standard(s) level  Minimum standard(s) level  N/A   Mitigating Ecological Impact  No. of BREEAM credits available  No. of BREEAM credits available  No. of BREEAM innovation credits available  No. of BREEAM innovation credits available  O Minimum standards applicable  Yes  Data sourced for calculating the change in ecological value from  What is the likely change in ecological value as a result of the sites development  What is the likely change in ecological value as a result of the sites development  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level  Outstanding level							
D3 Mitigating Ecological Impact  No. of BREEAM credits available No. of BREEAM credits available No. of BREEAM innovation credits available Data sourced for calculating the change in ecological value from What is the likely change in ecological value as a result of the sites development What is the likely change in ecological value as a result of the sites development Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level Minimum standard(s) level Outstanding level							
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No. of BREEAM credits available  No. of BREEAM innovation credits available  No. of BREEAM innovation credits available  Data sourced for calculating the change in ecological value from  What is the likely change in ecological value as a result of the sites development  What is the likely change in ecological value as a result of the sites development  Total BREEAM credits achieved  Total contribution to overall building score Total BREEAM innovation credits achieved  Minimum standard(s) level  Minimum standard(s) level  Outstanding level							
No. of BREEAM credits available  No. of BREEAM innovation credits available  No. of BREEAM innovation credits available  Data sourced for calculating the change in ecological value from  What is the likely change in ecological value as a result of the sites development  What is the likely change in ecological value as a result of the sites development  Total BREEAM credits achieved  Total contribution to overall building score Total BREEAM innovation credits achieved  Minimum standard(s) level  Minimum standard(s) level  Outstanding level							
No. of BREEAM innovation credits available  Data sourced for calculating the change in ecological value from  Suitably Qualified Ecologist site survey of plant species  Suitably Qualified Ecologist site survey of plant species  Plant species ri  Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level  Minimum standard(s) level Outstanding level	03 Mitigating Ecological	l Impact					
No. of BREEAM innovation credits available  Data sourced for calculating the change in ecological value from  Suitably Qualified Ecologist site survey of plant species  Suitably Qualified Ecologist site survey of plant species  Plant species ri  Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level  Minimum standard(s) level Outstanding level		No. of RREEAM credits available	2		Available contrib	ution to overall score	2 00%
Data sourced for calculating the change in ecological value from  Suitably Qualified Ecologist site survey of plant species  What is the likely change in ecological value as a result of the sites development  Total BREEAM credits achieved  Total contribution to overall building score Total BREEAM innovation credits achieved  Minimum standard(s) level  Outstanding level							
What is the likely change in ecological value as a result of the sites development:  Total BREEAM credits achieved  Total contribution to overall building score Total BREEAM innovation credits achieved  Minimum standard(s) level  Minimum standard(s) level  Plant species (i.e. no negative change)  2 2.00%  N/A  Outstanding level		Nor or Sheer in minoration of earlie available	ū				100
What is the likely change in ecological value as a result of the sites development:  Total BREEAM credits achieved  Total contribution to overall building score Total BREEAM innovation credits achieved  Minimum standard(s) level  Minimum standard(s) level  Plant species (i.e. no negative change)  2 2.00%  N/A  Outstanding level							
What is the likely change in ecological value as a result of the sites development ≥ 0 species (i.e. no negative change)  Total BREEAM credits achieved  Total contribution to overall building score Total BREEAM innovation credits achieved  Minimum standard(s) level  Outstanding level		Data sourced for calculating the change in eco	ological value from	Suitably Qualified	d Ecologist site surve	ey of plant species	
What is the likely change in ecological value as a result of the sites development ≥ 0 species (i.e. no negative change)  Total BREEAM credits achieved  Total contribution to overall building score Total BREEAM innovation credits achieved  Minimum standard(s) level  Outstanding level				•			
Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level  Outstanding level	sessment Criteria						
Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level  Outstanding level	What is the lik	ely change in ecological value as a result of the s	ites development	≥0 species (i.e. no	o negative change)		Plant species ri
Total contribution to overall building score  Total BREEAM innovation credits achieved  Minimum standard(s) level  Outstanding level		Total BREEAM credits achieved	2				
Total BREEAM innovation credits achieved  Minimum standard(s) level  Outstanding level							
Minimum standard(s) level Outstanding level							
mments/notes:							
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	mments/notes.						



LE 04 Enhancing Site Ecology

Will a suitably qualified ecologist be appointed to report on enhancing and protecting site ecology?  Will the suitably qualified ecologist's general recommendations be implemented: What is the targeted/intended improvement in ecological value as a result of enhancement actions?  Total BREEAM credits achieved  Total contribution to overall building score  Total BREEAM innovation credits achieved Minimum standard(s) level  N/A  Comments/notes:  LE 05 Long Term Impact on Biodiversity  No. of BREEAM credits available  No. of BREEAM credits available  Available contribution to over	achieved  1  Plant species ric
Will a suitably qualified ecologist be appointed to report on enhancing and protecting site ecology?  Will the suitably qualified ecologist's general recommendations be implemented what is the targeted/intended improvement in ecological value as a result of enhancement actions?  Total BREEAM credits achieved 1  Total contribution to overall building score 1.00%  Total BREEAM innovation credits achieved N/A  Minimum standard(s) level N/A  Comments/notes:  E 05 Long Term Impact on Biodiversity  No. of BREEAM credits available 2 Available contribution to over	Plant species ric
Will a suitably qualified ecologist be appointed to report on enhancing and protecting site ecology?  Will the suitably qualified ecologist's general recommendations be implemented what is the targeted/intended improvement in ecological value as a result of enhancement actions?  Total BREEAM credits achieved 1  Total contribution to overall building score 1.00%  Total BREEAM innovation credits achieved N/A  Minimum standard(s) level N/A  Comments/notes:  Discrete 1.00%  Minimum standard(s) level N/A  Comments/notes:	Plant species ric
Will the suitably qualified ecologist's general recommendations be implemented: What is the targeted/intended improvement in ecological value as a result of enhancement actions?  Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A  Comments/notes:  Res 2  Yes  6 species (small positive change)  Comments/notes:	Plant species ric
What is the targeted/intended improvement in ecological value as a result of enhancemen actions?  Total BREEAM credits achieved 1 Total contribution to overall building score 1.00% Total BREEAM innovation credits achieved M/A Minimum standard(s) level N/A  Comments/notes:  LE 05 Long Term Impact on Biodiversity  No. of BREEAM credits available 2 Available contribution to overall building score 1.00% Available contribution to overall building score 1.00% N/A  No. of BREEAM credits available 2 Available contribution to overall building score 1.00% Available	
Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A  Comments/notes:  LE 05 Long Term Impact on Biodiversity  No. of BREEAM credits available No. of BREEAM credits available 2 Available contribution to overall building score 1.00% N/A  LE 05 Long Term Impact on Biodiversity	
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Minimum standard(s) level N/A  Comments/notes:  LE 05 Long Term Impact on Biodiversity  No. of BREEAM credits available 2 Available contribution to ox	
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No. of BREEAM credits available 2 Available contribution to over	
No. of BREEAM credits available 2 Available contribution to over	
No. of DDFFAM innovation gradity available	verall score 2.00%
No. of BREEAM innovation credits available 0 Minimum standards	applicable No
	achieved
Will a Suitably Qualified Ecologist be appointed to monitor/minimise impacts of site activities on biodiversity?	2
Will a landscape and habitat management plan be produced covering at least the first five	
years after project completion in accordance with British Standards?	
Number of applicable measures to improve biodiversity confirmed by SQE 1  Number of applicable measures implemented: 1	
Number of applicable measures implemented.	
Total BREEAM credits achieved 2	
Total contribution to overall building score 2.00%	
Total BREEAM innovation credits achieved N/A	
Minimum standard(s) level N/A	
Comments/notes:	
omments/notes.	



### **POLLUTION** Pol 01 Impact of Refrigerants No. of BREEAM credits available Available contribution to overall score 2.31% No. of BREEAM innovation credits available Minimum standards applicable No Assessment Criteria Credits available Credits achieved Refrigerant containing systems installed in the assessed building: Yes Do all systems (with electric compressors) comply with the requirements of BS EN 378:2008 (parts 2 & 3) & where refrigeration systems containing ammonia are installed, the IoR Yes Ammonia Refrigeration Systems Code of Practice? Global Warming Potential of the specified refrigerant(s) 10 or less? No What is the target range Direct Effect Life Cycle CO2eq. emissions for the system? kgCO2eq/kW coolth capacity Cooling/Heating capacity of the system Will a refrigerant leak detection and containment system be specified/installed Yes Total BREEAM credits achieved 1 Total contribution to overall building score 0.77% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A Comments/notes: Pol 02 NO<sub>x</sub> Emissions No. of BREEAM credits available 2.31% Available contribution to overall score No. of BREEAM innovation credits available Minimum standards applicable No Assessment Criteria NO<sub>x</sub> emission level - space heating 800.00 mg/kWh NO<sub>x</sub> emission level - cooling 800.00 mg/kWh NOx emission level - water heating 800.00 mg/kWh Does this building meet BREEAM's definition of a highly insulated building: N/A Energy consumption: heating and hot water kWh/m2 yr Total BREEAM credits achieved Total contribution to overall building score 0.00% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A Comments/notes:



### Pol 03 Surface Water Run off

Poi us Surface Water Run o						
	No. of BREEAM credits available	e 5		Available contribu	ution to overall score	3.85%
	No. of BREEAM innovation credits available				standards applicable	No
	No. of Bridge and Infloration creates available	· ·		William	stariaar as applicable	110
Assessment Criteria			Compliant?	Credits available	Credits achieved	
What is th	e actual/likely annual probability of flooding fo	or the assessed site?	Low	2	2	
	Will a Flood Risk Assessme	ent be undertaken?	Yes	2	2	
	site meet the BREEAM criteria for peak rate sui		Yes	1	1	
Will the site meet the cri	teria for surface water run off volume, attenua		Yes	1	1	
		discharge?	163	-	-	
Will the site be designed t	o minimise watercourse pollution in accordanc		No	1	0	
		criteria?				
	Total BREEAM credits achieved	d 4				
	Total contribution to overall building score					
	Total BREEAM innovation credits achieved					
	Minimum standard(s) leve	l N/A				
Comments/notes:						
Pol 04 Reduction of Night T	ime Light Pollution					
Pol 04 Reduction of Night T						
Pol 04 Reduction of Night T	No. of BREEAM credits available			Available contribu	ution to overall score	0.77%
Pol 04 Reduction of Night T					ution to overall score standards applicable	0.77% No
Pol 04 Reduction of Night T	No. of BREEAM credits available					
	No. of BREEAM credits available			Minimum	standards applicable	
Assessment Criteria	No. of BREEAM credits available	0	Compliant?	Minimum  Credits available	standards applicable Credits achieved	
Assessment Criteria	No. of BREEAM credits available	0	Compliant? Yes	Minimum	standards applicable	
Assessment Criteria	No. of BREEAM credits available  No. of BREEAM innovation credits available  sternal lighting specification be designed to red	e 0 duce light pollution	-	Minimum  Credits available	standards applicable Credits achieved	
Assessment Criteria	No. of BREEAM credits available  No. of BREEAM innovation credits available  sternal lighting specification be designed to red  Total BREEAM credits achieved	e 0  duce light pollution 1	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria	No. of BREEAM credits available  No. of BREEAM innovation credits available  sternal lighting specification be designed to red	e 0  duce light pollution 1	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria	No. of BREEAM credits available  No. of BREEAM innovation credits available  sternal lighting specification be designed to red  Total BREEAM credits achieved	duce light pollution 1 0 0.77%	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria	No. of BREEAM credits available  No. of BREEAM innovation credits available  sternal lighting specification be designed to red  Total BREEAM credits achieved  Total contribution to overall building score	duce light pollution 1 0 0.77% d N/A	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1 0 0.77% 0 N/A	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1 0 0.77% 0 N/A	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1 0 0.77% 0 N/A	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1 0 0.77% 0 N/A	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1 0 0.77% 0 N/A	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1 0 0.77% 0 N/A	-	Minimum  Credits available	standards applicable  Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1  0  0  1  0.77%  N/A	-	Minimum  Credits available	standards applicable Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1  0  0  1  0.77%  N/A	-	Minimum  Credits available	standards applicable Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1  0  0  1  0.77%  N/A	-	Minimum  Credits available	standards applicable Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1  0  0  1  0.77%  N/A	-	Minimum  Credits available	standards applicable Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1  0  0  1  0.77%  N/A	-	Minimum  Credits available	standards applicable Credits achieved	
Assessment Criteria Will the ex	No. of BREEAM credits available No. of BREEAM innovation credits available sternal lighting specification be designed to red Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	duce light pollution 1  0  0  1  0.77%  N/A	-	Minimum  Credits available	standards applicable Credits achieved	

### Pol 05 Noise Attenuation

	No. of BREEAM credits available	1		Available contrib	ution to overall score	0.77%
	No. of BREEAM innovation credits available	0			standards applicable	No
sessment Criteria			Compliant	Credits available	Credits achieved	
	nsitive areas/buildings within 800m radius of th	he developmenti	Yes	1	1	
	ent be carried out and, if applicable, noise atter					
		specified?	Yes			
	Total BREEAM credits achieved	1				
	Total contribution to overall building score Total BREEAM innovation credits achieved	0.77%				
	Minimum standard(s) level	N/A N/A				
	iviiiiiiiuiii Stanuaru(s) ievei	N/A				
mments/notes:						
NOVATION						
NOVATION						
01 Innovation						
OI IIIIIOVALIOII						
	No. of BREEAM innovation credits available	10		Available contrib	ution to overall score	10.00%
	No. of BREEAM innovation credits available	10			ution to overall score	10.00%
	No. of BREEAM innovation credits available	10			ution to overall score standards applicable	10.00% No
	No. of BREEAM innovation credits available	10				
sossmont Critoria	No. of BREEAM innovation credits available	10	Compliant?	Minimum	standards applicable	
sessment Criteria			Compliant?	Minimum  Credits available	standards applicable  Credits achieved	
sessment Criteria	Man 03 Responsible const	truction practices	No	Minimum  Credits available	credits achieved	
sessment Criteria	Man 03 Responsible const N	truction practices Man 05 Aftercare	No No	Minimum  Credits available  1 1	Credits achieved  0 0	
sessment Criteria	Man 03 Responsible const N Hea 0	truction practices Man 05 Aftercare 11 Visual Comfort	No No No	Credits available  1 1 1	Credits achieved  0 0 0	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir	truction practices Man 05 Aftercare 11 Visual Comfort ndoor Air Quality	No No No	Credits available  1 1 1 2	Credits achieved  0 0 0 0 0	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and 0	truction practices Man 05 Aftercare 11 Visual Comfort ndoor Air Quality carbon emissions	No No No No	Credits available  1 1 1	Credits achieved  0 0 0	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and 0 Wat 01 Wat	truction practices Man 05 Aftercare 11 Visual Comfort ndoor Air Quality carbon emissions ter Consumption	No No No No No	Credits available  1 1 1 2 5 1	Credits achieved  0 0 0 0 0 0 0 0	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and 0 Wat 01 Wat Mat01 Li	truction practices Man 05 Aftercare 11 Visual Comfort ndoor Air Quality carbon emissions ter Consumption ife Cycle Impacts	No No No No No No	Credits available  1 1 1 2 5 1 3	Credits achieved  0 0 0 0 0 0 0 0 0 0 0	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour	truction practices Man 05 Aftercare 11 Visual Comfort Indoor Air Quality carbon emissions ter Consumption ife Cycle Impacts rcing of Materials	No No No No No No No No	Credits available  1 1 1 2 5 1 3	Credits achieved  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was	truction practices Man 05 Aftercare 11 Visual Comfort Indoor Air Quality carbon emissions ter Consumption ife Cycle Impacts rcing of Materials ste Management	No N	Credits available  1 1 1 2 5 1 3 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was	truction practices Man 05 Aftercare 12 Visual Comfort Indoor Air Quality carbon emissions ter Consumption ife Cycle Impacts rcing of Materials ste Management ycled Aggregates	No N	Credits available  1 1 1 2 5 1 3 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was	truction practices Man 05 Aftercare 12 Visual Comfort Indoor Air Quality carbon emissions ter Consumption ife Cycle Impacts rcing of Materials ste Management ycled Aggregates	No N	Credits available  1 1 1 2 5 1 3 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was	truction practices Man 05 Aftercare 12 Visual Comfort Indoor Air Quality carbon emissions ter Consumption ife Cycle Impacts rcing of Materials ste Management ycled Aggregates o climate change	No N	Credits available  1 1 2 5 1 3 1 1 1 1 1 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was	truction practices Man 05 Aftercare 12 Visual Comfort Indoor Air Quality carbon emissions ter Consumption ife Cycle Impacts rcing of Materials ste Management ycled Aggregates o climate change	No N	Credits available  1 1 1 2 5 1 3 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 11 Visual Comfort Indoor Air Quality carbon emissions ter Consumption ife Cycle Impacts rcing of Materials ste Management ycled Aggregates o climate change  Number of 'ap	No N	Credits available  1 1 2 5 1 3 1 1 1 1 1 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality Iter Consumption Ife Cycle Impacts Ife Cycle Impacts Ife Management Ife Management Ifed Aggregates If o climate change  Number of 'ap	No N	Credits available  1 1 2 5 1 3 1 1 1 1 1 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
sessment Criteria	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality Iter Consumption Ife Cycle Impacts Iter Consumption Ife Cycle Impacts Iter Management Itycled Aggregates In o Climate change  Number of 'ap  0  0.00%	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
sessment Criteria	Man 03 Responsible const N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality Iter Consumption Ife Cycle Impacts Ife Cycle Impacts Ife Management Ife Management Ifed Aggregates If o climate change  Number of 'ap	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality Iter Consumption Ife Cycle Impacts Iter Consumption Ife Cycle Impacts Iter Management Itycled Aggregates In o Climate change  Number of 'ap  0  0.00%	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality Iter Consumption Ife Cycle Impacts Iter Consumption Ife Cycle Impacts Iter Management Itycled Aggregates In o Climate change  Number of 'ap  0  0.00%	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality Iter Consumption Ife Cycle Impacts Iter Consumption Ife Cycle Impacts Iter Management Itycled Aggregates In o Climate change  Number of 'ap  0  0.00%	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality It carbon emissions It er Consumption If e Cycle Impacts If croin of Materials If the Management If ycled Aggregates If o climate change  Number of 'ap  0  0.00%	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality It carbon emissions It er Consumption If e Cycle Impacts If croin of Materials If the Management If ycled Aggregates If o climate change  Number of 'ap  0  0.00%	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality It carbon emissions It er Consumption If e Cycle Impacts If croin of Materials If the Management If ycled Aggregates If o climate change  Number of 'ap  0  0.00%	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
omments/notes:	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality It carbon emissions It er Consumption If e Cycle Impacts If croin of Materials If the Management If ycled Aggregates If o climate change  Number of 'ap  0  0.00%	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality It carbon emissions It er Consumption If e Cycle Impacts If croin of Materials If the Management If ycled Aggregates If o climate change  Number of 'ap  0  0.00%	No N	Minimum  Credits available  1 1 2 5 1 3 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality It carbon emissions It er Consumption If e Cycle Impacts If croin of Materials If the Management If ycled Aggregates If o climate change  Number of 'ap  0  0.00%	No N	Credits available  1 1 2 5 1 3 1 1 1 1 1 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality It carbon emissions It er Consumption If e Cycle Impacts If croin of Materials If the Management If ycled Aggregates If o climate change  Number of 'ap  0  0.00%	No N	Credits available  1 1 2 5 1 3 1 1 1 1 1 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	
	Man 03 Responsible const  N Hea 0 Hea 02 Ir Ene 01 Reduction of energy use and o Wat 01 Wat Mat01 Li Mat03 Responsible Sour Wst01 Construction Was Wst02 Recy Wst 05 Adaption to	truction practices Man 05 Aftercare 10 Visual Comfort Indoor Air Quality It carbon emissions It er Consumption If e Cycle Impacts If croin of Materials If the Management If ycled Aggregates If o climate change  Number of 'ap  0  0.00%	No N	Credits available  1 1 2 5 1 3 1 1 1 1 1 1 1 1 1 1	Credits achieved  O O O O O O O O O O O O O O O O O O	