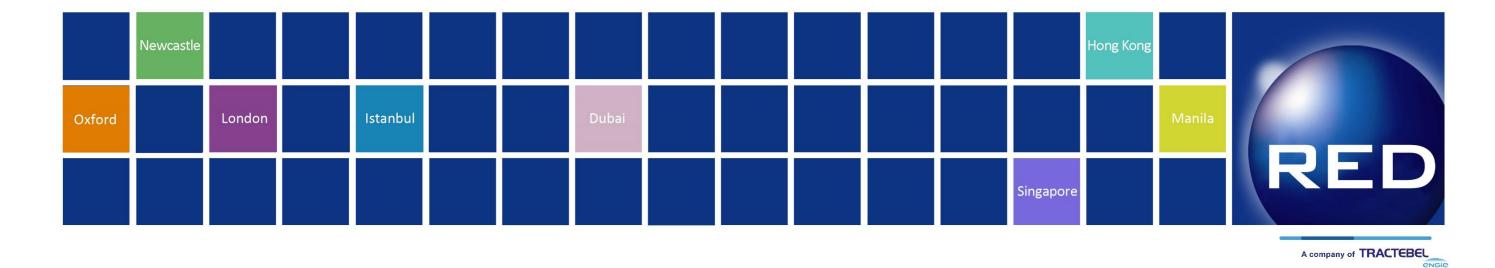
HOLIDAY INN EXPRESS BICESTER GATEWAY BREEAM Pre-Assessment



Client London & Regional Properties Limited

Quadrant House, Floor 6 4 Thomas More Square

London E1W 1YW

Date 06 December 2017

File Ref R:\R3050 - BREEAM\R3050-25 - Holiday Inn Express\3 Assessments\Pre-assessments

Revision A

REVISION

Issue Type / Revision	Document prepared by			Document ch	Document checked by		
	Name	Signature	Date	Page Nos	Name	Signature	Date
Information	T. Allen	Cr. Aug	06/12/2017	All	C. Fowler	Claire Fouler	06/12/2017

Edition	Date	Page Nos	Revision Details	Approved by
1.0	06/12/2017	All	For Review	Approved by

This document and its contents are confidential and have been prepared and are intended solely for London & Regional's information and use in relation to Holiday Inn, Bicester Gateway.

RED Managed Services Limited accepts no responsibility or liability to any other party (exception for death and personal injury) in respect of or arising out of or in connection with this document and/or its contents. Copyright:

The copyright of this document is vested in RED Managed Services Limited. This document may not be reproduced in whole or in part without their express written permission.

London & Regional Properties Limited - Holiday Inn Express, Bicester Gateway RED Managed Services Limited BREEAM Pre-Assessment

EXECUTIVE SUMMARY

Cherwell District Council has stipulated that the Holiday Inn Express, Bicester Gateway must achieve a BREEAM rating of 'Very Good'.

The building will need to achieve a minimum total score of 55% as well as the minimum standards for the specific rating. This document outlines the strategy for achieving BREEAM Very Good at the certification stage, in order to fulfil this planning requirement.

In order to achieve the BREEAM Very Good rating at the certification stage, it is essential that all parties understand their respective roles in the process. Final certification is based on a quality assurance audit of the documentary evidence which is provided by the Project Team. It is important to note that any changes to the strategy or non-compliant evidence could result in a lower BREEAM rating.

The Pre-Assessment strategy includes the targeted credits under each of the BREEAM issues listed below. The client will need to commission the specialist studies, at the appropriate stages, in order to achieve the BREEAM Very Good rating:

- Hea 4 Thermal Comfort: An Accredited Energy Assessor will produce a compliant report
- Hea 5 Acoustic Performance: A *Suitably Qualified Acoustician (SQA)* will need to produce a report about the internal acoustics
- Ene 1 Reduction of Energy Use and Carbon Emissions: The *Accredited Energy Assessor* will produce the Design Stage
 BRUKL Output document by end of Detailed Design
- Ene 4 Low Carbon Design: The Energy Specialist will need to produce a Low/Zero Carbon Technology feasibility study
- Ene 6 Energy efficient transportation systems: An analysis of the transportation demand and usage patterns will need to be produced.

- Land Use and Ecology category: the client will need to instruct the *Suitably Qualified Ecologist*, WYG, to update their report to include BREEAM requirements before the end of RIBA Stage 2.
- Pol 5 Reduction of Noise Pollution: The SQA will need to provide a report.

London & Regional Properties Limited - Holiday Inn Express, Bicester Gateway RED Managed Services Limited

CONTENTS

1.	INTRODUCTION	1
2.	MINIMUM STANDARDS	1
3.	BREEAM PERFORMANCE SUMMARY	. 1
4.	BREEAM PRE-ASSESSMENT	. 2
5.	TIME-RESTRICTED ACTIONS	
5.1	RIBA Stage 1	5
5.2	RIBA Stage 2	5
5.3	RIBA Stage 3	5
5.4	RIBA Stage 4	5
5.5	RIBA Stage 5	. 5
5.6	RIBA Stage 6	5
GLOSSA	ARY	. 6
ΔΡΡΓΝΙ	DIX	. 7

London & Regional Properties Limited - Holiday Inn Express, Bicester Gateway RED Managed Services Limited BREEAM Pre-Assessment

1. INTRODUCTION

This report is intended as a summary of the BREEAM pre-assessment review for the proposed Holiday Inn Express in Bicester. The scheme will be assessed using the BREEAM New Construction 2014 scheme. This development is targeting a Very Good certification, which requires a minimum score of 55%.

It should be noted that the pre-assessment scores have been based on assumptions and discussions with the Design Team during the planning stage. These credits will only be awarded once the assessment and the relevant documentary evidence have been audited by the Building Research Establishment (BRE) during the certification phase. It is considered best practice to target an additional 3%-5% over the threshold of the desired rating (i.e. 58% to 60% for BREEAM Very Good) in order to allow for changes over the duration of the project.

BREEAM Very Good is being targeted on the basis of a total score of **58.59%** including the minimum standards for the rating:

Scenario	Score	BREEAM Rating
Targeted credits	58.59%	Very Good

2. MINIMUM STANDARDS

In addition, performance against the minimum standards (required for the specified target rating) is summarised below:

Issue	Targeted credits meet minimum requirements?
Man 03 – Responsible construction practices	Yes
Man 04 – Commissioning and handover	Yes
Man 05 – Aftercare	Yes
Ene 01 – Reduction of Energy Use and Carbon Emissions	Yes
Ene 02 - Energy Monitoring	Yes
Wat 01 - Water Consumption	Yes
Wat 02 - Water Monitoring	Yes
Mat 03 - Responsible Sourcing of Materials	Yes
Wst 03 – Operational Waste	Yes
LE 03 - Minimising impact on existing site ecology	Yes

N.B. If the building does not meet the minimum requirements listed in the table above, the BREEAM Very Good rating will be at risk.

06 December 2017
Revision A
Page 1 of 1

London & Regional Properties Limited - Holiday Inn Express, Bicester Gateway RED Managed Services Limited

3. BREEAM PERFORMANCE SUMMARY

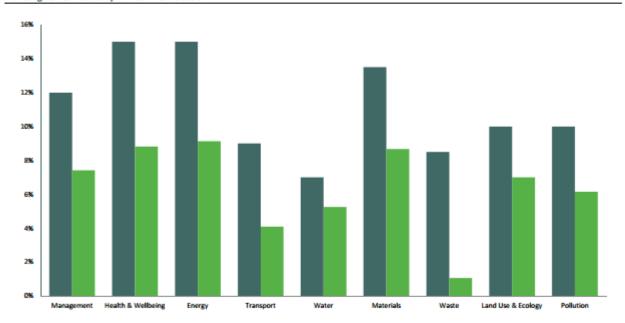
The table below summarises the total number of credits which have been targeted in each BREEAM Category and the contribution to the total score.



Overall Building Performance

Building name	Holiday Inn Express, Bicester Gateway
Indicative BREEAM rating	Very Good
Indicative Total Score	58.59%
Min. standards level achieved	Very Good level

Building Performance by Environment Section



	No. credits	Indicative no.	% credits	Section	Indicative
Environmental Section	available	credits Achieved	achieved	Weighting	Section Score
Management	21	13	61.90%	12.00%	7.42%
Health & Wellbeing	17	10	58.82%	15.00%	8.82%
Energy	23	14	60.87%	15.00%	9.13%
Transport	11	5	45.45%	9.00%	4.09%
Water	8	6	75.00%	7.00%	5.25%
Materials	14	9	64.29%	13.50%	8.67%
Waste	8	1	12.50%	8.50%	1.06%
Land Use & Ecology	10	7	70.00%	10.00%	7.00%
Pollution	13	8	61.54%	10.00%	6.15%
Innovation	10	1	10.00%	N/A	1

06 December 2017
Revision A Page 1 of 7

London & Regional Properties Limited - Holiday Inn Express, Bicester Gateway RED Managed Services Limited

4. BREEAM PRE-ASSESSMENT

Issue Code	Issue Title	Available	Targeted	Responsibility
Man 01	Project Brief and Design	4	2	Client
Man 02	Life Cycle Cost and Service Life Planning	4	1	Client
Man 03	Responsible Construction Practices	6	5	Contractor
Man 04	Commissioning and Handover	4	3	Contractor
Man 05	Aftercare	3	2	Contractor, Client
	Management Credit Totals:	21	13	
	Management Section Scores:	12.00%	7.42%	
Hea 01	Visual Comfort	4	1	Architect, Electrical Engineer
Hea 02	Indoor Air Quality	5	2	Contractor, Mechanical Engineer
Hea 04	Thermal Comfort	3	3	Client, Mechanical Engineer
Hea 05	Acoustic performance	3	3	Contractor
Hea 06	Safety and Security	2	1	Architect
	Health and Wellbeing Credit Totals:	17	10	
	Health and Wellbeing Section Scores:	15.00%	8.82%	
Ene 01	Reduction of Energy Use and Carbon Emissions	12	5	Client
Ene 02	Energy Monitoring	2	2	Contractor, Electrical Engineer
Ene 03	External Lighting	1	1	Architect, Electrical Engineer
Ene 04	Low Carbon Design	3	1	Client, Energy Specialist
Ene 06	Energy Efficient Transportation System	3	3	Mechanical Engineer
Ene 08	Energy Efficient Equipment	2	2	Client
	Energy Credit Totals:	23	14	
	Energy Section Scores:	15.00%	9.13%	
Tra 01	Public Transport Accessibility	5	1	Assessor
Tra 02	Proximity to Amenities	1	1	Assessor
Tra 03	Cyclist Facilities	2	2	Contractor, Architect
Tra 04	Maximum Car Parking Capacity	2	0	Architect
Tra 05	Travel Plan	1	1	Client
	Transport Credit Totals:	11	5	
	Transport Section Scores:	9.00%	4.09%	

06 December 2017
Revision A

Issue Code	Issue Title	Available	Targeted	Responsibility
Wat 01:	Water Consumption	5	3	Architect
Wat 01:	Water Consumption	5	3	Architect
Wat 02:	Water Monitoring	1	1	Mechanical Engineer
Wat 03:	Water Leak Detection and Prevention	2	2	Mechanical Engineer
	Water Credit Totals:	8	6	
	Water Section Scores:	7.00%	5.25%	
Mat 01	Life Cycle Impacts	6	2	Architect, Contractor
Mat 02	Hard Landscaping and Boundary Protection	1	1	Architect, Contractor
Mat 03	Responsible Sourcing of Materials	4	3	Contractor
Mat 04	Insulation	1	1	Architect
Mat 05	Designing for Durability and Resilience	1	1	Architect, Contractor
Mat 06	Material Efficiency	1	1	Architect
	Materials Credit Totals:	14	9	
	Materials Section Scores:	13.50%	8.67%	
Wst 01	Construction Waste Management	4	1	Contractor
Wst 02	Recycled Aggregates	1	0	
Wst 03	Operational Waste	1	0	
Wst 05	Adaptation to Climate Change	1	0	
Wst 06	Functional Adaptability	1	0	
	Waste Credit Totals:	8	1	
	Waste Section Scores:	8.50%	1.06%	
LE 01	Site Selection	2	0	
LE 02	Ecological Value of Site and Protection of Ecological Features	2	1	Ecologist
LE 03	Mitigating Ecological Impact	2	2	Ecologist
LE 04	Enhancing Site Ecology	2	2	Contractor, Ecologist
LE 05	Long-Term Impact of Biodiversity	2	2	Contractor, Ecologist
	Land use and Ecology Credit Totals:	10	7	
	Land use and Ecology Section Scores:	10.00%	7.00%	
Pol 01	Impact of Refrigerants	3	1	Mechanical Engineer
Pol 02	NO _x Emissions	3	0	Mechanical Engineer
Pol 03	Surface Water Run-off	5	5	Client, Contractor, Architect
Pol 04	Reduction of Night Time Light Pollution	1	1	Mechanical Engineer
Pol 05	Noise Attenuation	1	1	Acoustician, Architect
	Pollution Credit Totals:	13	8	
	Pollution Section Scores:	10.00%	6.15%	

06 December 2017
Revision A

Issue Code	Issue Title	Available	Targeted	Responsibility
Man 03	Responsible Construction Practices	1	0	
Man 05	Aftercare	1	1	Client
Hea 01	Visual Comfort	1	0	
Hea 02	Indoor Air Quality	2	0	
Ene 01	Reduction of Energy Use and Carbon Emissions	5	0	
Wat 01	Water Consumption	1	0	
Mat 01	Life Cycle Impacts	3	0	
Mat 03	Responsible Sourcing of Materials	1	0	
Wst 01	Construction Waste Management	1	0	
Wst 02	Recycled Aggregates	1	0	
Wst 05	Adaptation to Climate Change	1	0	
AI	Approved Innovations	1	0	
Innovation Credit Totals:		10	1	
	Innovation Section Scores:	10.00%	1.00%	
	OVER	ALL TARGETED SCORE:	58.59%	

London & Regional Properties Limited - Holiday Inn Express, Bicester Gateway RED Managed Services Limited BREEAM Pre-Assessment

5. TIME-RESTRICTED ACTIONS

5.1 RIBA Stage 1

LE 04 – Enhancing Site Ecology

The Client will need to instruct the *Suitably Qualified Ecologist* to provide recommendations on enhancing the site's ecological value.

5.2 RIBA Stage 2

Man 01 - Project Brief and Design

The Project Team will need to:

- carry out the stakeholder consultation in line with the BREEAM requirements.
- Incorporate targeted BREEAM rating into the tender documentation.

Hea 05 – Acoustic Performance

The Client will need to appoint a Suitably Qualified Acoustician to evaluate the internal spaces.

Hea 06 - Safety and Security

The Design Team will need to consult the local *Suitably Qualified Security Specialist (SPSS)* e.g. Crime Prevention Design Advisor or Architectural Liaison Officer.

Ene 04 – Low Carbon Design

The Client will need to commission the Low/Zero Carbon Feasibility Study.

5.3 RIBA Stage 3

Hea 04 – Thermal Comfort

The Client will commission the thermal modelling report in order to achieve the three targeted credits.

Ene 01 – Energy Consumption

The Client will commission an *Accredited Energy Assessor* to produce the "As-Designed" Building Regulations Output Document (BRUKL)

Wat 01 - Water Consumption

The Design Team will need to complete the Water consumption proforma to ensure that the predicted consumption, measured in litres/person/day meets the requirements for 1 credit.

Pol 03 - Surface Water Run Off

Revision A

A Site-Specific Flood Risk report has already been provided by the Design Team.

06 December 2017 Page 5 of 7

5.4 RIBA Stage 4

Man 03 - Responsible Construction Practices

The Client will ensure that the Main Contractor will register the site with the Considerate Constructors Scheme.

LE 03/LE 04 - Land Use and Ecology

The SQE has carried out the Phase 1 Habitat Survey in November 2017, prior to commencement of work on site. The Client will need to ensure that the Main Contractor implements the ecological enhancements in line with the BREEAM Ecology Report.

5.5 RIBA Stage 5

Man 04 - Commissioning and Handover

The Main Contractor will appoint a *Specialist commissioning manager* to take responsibility for the commissioning of complex systems within the building.

5.6 RIBA Stage 6

Man 05 – Aftercare

The Main Contractor will need to:

- Introduce the aftercare team and deliver a copy of the Building User Guide to the Client prior to Handover.
- Provide Initial Aftercare for at least 4 weeks after building Handover
- Provide on-site training of the Facilities Management staff
- Provide Longer term aftercare for the first 12 months of occupancy.

London & Regional Properties Limited - Holiday Inn Express, Bicester Gateway RED Managed Services Limited

GLOSSARY

Suitably Qualified Ecologist (SQE)

An individual achieving all the following items can be considered to be 'suitably qualified' for the purposes of compliance with BRFFAM:

1. Holds a degree or equivalent qualification (e.g. N/SVQ level 5) in ecology or a related subject.

2.Is a practising ecologist, with a minimum of three years relevant experience (within the last five years). Such experience must clearly demonstrate a practical understanding of factors affecting ecology in relation to construction and the built environment including; acting in an advisory capacity to provide recommendations for ecological protection, enhancement and mitigation measures. Examples of relevant experience are: ecological impact assessments; Preliminary Ecological Appraisals (PEA); Phase 2 habitat and fauna surveys; and habitat creation.

3.Is covered by a professional code of conduct and subject to peer review. Full members of the following organisations, who meet the above criteria, are deemed Suitably Qualified Ecologists for the purposes of BREEAM:

- a. Chartered Institution of Water and Environmental Management (CIWEM)
- b. Chartered Institute of Ecology and Environmental Management (CIEEM)
- c. Institute of Environmental Management and Assessment (IEMA)
- d. Landscape Institute (LI)
- e. The Institution of Environmental Sciences (IES).

Suitably Qualified Acoustician (SQA)

An individual achieving all the following items can be considered to be 'suitably qualified' for the purposes of a BREEAM assessment:

1. Holds a degree, PhD or equivalent qualification in acoustics/sound testing.

2.Has a minimum of three years relevant experience (within the last five years). Such experience must clearly demonstrate a practical understanding of factors affecting acoustics in relation to construction and the built environment; including, acting in an advisory capacity to provide recommendations for suitable acoustic performance levels and mitigation measures.

3.An individual who holds a recognised acoustic qualification and membership of an appropriate professional body. The primary professional body for acoustics in the UK is the Institute of Acoustics. Where a suitably qualified acoustician is verifying the acoustic measurements/calculations carried out by another acoustician who does not meet the SQA requirements, they must, as a minimum, have read and reviewed the report and confirm in writing that they have found it to:

- a. Represent sound industry practice
- b. Be appropriate given the building being assessed and scope of works proposed
- c. Avoid invalid, biased and exaggerated recommendations. Additionally, written confirmation from the third-party verifier that they comply with the definition of a Suitably Qualified Acoustician is required.

Suitably Qualified Security Specialist (SQSS)

An individual achieving any of the following can be considered to be 'suitably qualified' for the purposes of compliance with BREEAM:

- 1. Crime Prevention Design Advisors (CPDA) or Architectural Liaison Officers (ALO), Counter Terrorism Security Advisor (CTSA); or
- 2. A specialist registered with a BREEAM-recognised third party accreditation scheme for security specialists.

- 3. A practising security consultant that meets the following requirements:
 - a. Minimum of three years relevant experience within the last five years. This experience must clearly demonstrate a practical understanding of factors affecting security in relation to construction and the built environment, relevant to the type and scale of the project being undertaken.
 - b. Hold a suitable qualification relevant to security.
 - c. Maintains (full) membership to a relevant professional body or accreditation scheme that meets the following:
 - i. Has a professional code of conduct, to which members must adhere; and
 - ii. Ongoing membership is subject to peer review.

When appointing the suitably qualified security specialist, consideration should be given to the appropriateness of the individual to carry out the security needs assessment, based on the size, scope and security needs of the development.

Organisations, associations or scheme operators who wish to have their membership recognised as a 'third party accreditation scheme for security specialist', should review their current status (and therefore their members) against the requirements above and, where they feel they are compliant, contact BRE Global with the relevant information/evidence.

Accredited Energy Assessor

A person registered with an accredited energy assessment scheme provider. The scheme provider will be licensed by the relevant government department to accredit competent persons in the energy assessment of non-domestic/domestic buildings for the purposes of demonstrating compliance with Building Regulations in the country of origin.

For a full list of approved accreditation schemes/organisations for energy assessors and links to registers of accredited energy assessor's visit:

- 1. England and Wales: www.communities.gov.uk/www.ndepcregister.com (non domestic) /www.epcregister.com (domestic)
- 2. Scotland: www.scotland.gov.uk
- 3. Northern Ireland: www.dfpni.gov.uk/www.epbniregisternd.com (non domestic) www.epbniregister.com (domestic)

Specialist Commissioning Managers

The Specialist Commissioning Manager is a specialist contractor rather than a general sub-contractor.

06 December 2017 Page 6 of 7

APPENDIX

06 December 2017
Revision A



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

BREEAM® UKI

	58 50%	s, Bicester Gatew		
Building score (%) Building rating				
Minimum standards level achieved				
gn				
No. of BREEAM credits available	4		Available contribution to overall score	2.29%
No. of BREEAM innovation credits available	0		Minimum standards applicable	No
		Compliant?	Credits available Credits achieved	
Will stakeholder consultation (project del	ivery) take place?		1 1	
Will stakeholder consultation (third	party) take place?	Yes	1 1	
iii a sustainabiiity champion (monitoring progr	ess) be assigned?		1 0	
Total BREEAM credits achieved	2			
Minimum standard(s) level	N/A			
vice life planning				
No. of BREEAM credits available	4		Available contribution to overall score	2.29%
	0		Available contribution to overall score Minimum standards applicable	2.29% No
No. of BREEAM credits available		Compliant?	Minimum standards applicable	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys	0 es be carried out?	Compliant? No	Minimum standards applicable Credits available	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl	0 es be carried out? an be developed?	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital	es be carried out? an be developed? cost be reported?	No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr	0 es be carried out? an be developed? cost be reported? oject (if available)	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr	o es be carried out? an be developed? cost be reported? oject (if available)	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score	0 es be carried out? an be developed? cost be reported? oject (if available) 1 0.57%	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	es be carried out? an be developed? cost be reported? oject (if available) 1 0.57% N/A	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score	es be carried out? an be developed? cost be reported? oject (if available) 1 0.57% N/A	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	es be carried out? an be developed? cost be reported? oject (if available) 1 0.57% N/A	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	es be carried out? an be developed? cost be reported? oject (if available) 1 0.57% N/A	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	es be carried out? an be developed? cost be reported? oject (if available) 1 0.57% N/A	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	es be carried out? an be developed? cost be reported? oject (if available) 1 0.57% N/A	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	es be carried out? an be developed? cost be reported? oject (if available) 1 0.57% N/A	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	es be carried out? an be developed? cost be reported? oject (if available) 1 0.57% N/A	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Will an elemental life cycle cost (LCC)analys Will a component level LCC pl Will the predicted capital Expected capital cost of the pr Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	es be carried out? an be developed? cost be reported? oject (if available) 1 0.57% N/A	No No	Minimum standards applicable Credits available Credits achieved 2 0 1 0 1 1 1	
	No. of BREEAM credits available No. of BREEAM innovation credits available Will stakeholder consultation (project del Will stakeholder consultation (third Will a sustainability champion (des ill a sustainability champion (monitoring progr Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	No. of BREEAM credits available No. of BREEAM innovation credits available Will stakeholder consultation (project delivery) take place? Will stakeholder consultation (third party) take place? Will a sustainability champion (design) be assigned? It a sustainability champion (grogress) be assigned? Total BREEAM credits achieved 2 Total contribution to overall building score 1.14%	No. of BREEAM credits available No. of BREEAM innovation credits available O Compliant? Will stakeholder consultation (project delivery) take place? Will a sustainability champion (design) be assigned? Will a sustainability champion (design) be assigned? Total BREEAM credits achieved Total BREEAM credits achieved Total BREEAM innovation credits achieved Total BREEAM innovation credits achieved O	No. of BREEAM credits available 0 Minimum standards applicable No. of BREEAM innovation credits available 0 Compliant? Credits available Credits achieved Will stakeholder consultation (project delivery) take place? Will a sustainability champion (design) be assigned? Will a sustainability champion (monitoring progress) be assigned? Total BREEAM credits achieved Total BREEAM innovation credits achieved

Building Performance by Assessment Issue 05/12/2017 Section 3 - Page 1

$\mathsf{BRFFAM}^{\scriptscriptstyle{\mathsf{G}}}$

Man 03 Responsible construction practices

No. of BREEAM credits available 6		Available contribu	ition to overall score	3.43%
No. of BREEAM innovation credits available		Minimum	standards applicable	Yes
ssessment Criteria	Compliant?	Credits available	Credits achieved	
Is all site timber used in the project 'legally harvested and traded timber'?	Yes	1		
Will/does the principal contractor operate a compliant Environmental Management System?	Yes	1	1	
	res			
Will a construction stage sustainability champion be assigned?		1	0	
Will a considerate construction scheme be used by the principal contractor? (One credit				
where 'compliance' has been achieved. Two credits where 'compliance' is significantly exceeded.)	2	2	2	
	.,			
Will construction site impacts be metered/monitored? Will site utility consumption be metered/monitored?	Yes Yes	1	1	
Will transport of construction materials and waste be metered/monitored?	Yes	1	1	
Will exemplary level criteria be met?	103	1	0	
ey Performance Indicators: Construction site energy use		'		
Energy consumption (total) - site processes		Information not as	ailable at design stage	
Energy consumption (total) - site processes Energy consumption (intensity) - site processes			ailable at design stage	
Distance (total) - materials transport to site			ailable at design stage	
Distance (total) -waste transport from site			ailable at design stage	
Energy consumption (total) - materials transport to site		Information not av	ailable at design stage	
Energy consumption (total) - waste transport from site			ailable at design stage	
Energy consumption (intensity) - materials transport to site			ailable at design stage	
Energy consumption (intensity) - waste transport from site		Information not av	ailable at design stage	
ey Performance Indicators: Construction site greenhouse gas emissions				
Process greenhouse gas emissions (total) - site processes		Information not av	ailable at design stage	
Greenhouse gas emissions (intensity) - site processes			ailable at design stage	
Greenhouse gas emissions (total) - materials transport to site			ailable at design stage	
Greenhouse gas emissions (total) - waste transport from site			ailable at design stage	
Greenhouse gas emissions (intensity) - materials transport to site Greenhouse gas emissions (intensity) - waste transport from site			ailable at design stage ailable at design stage	
		illioilliation not av	aliable at design stage	
ey Performance Indicators: Construction site use of freshwater resources		-		
Use of freshwater resource (total) - site processes			ailable at design stage	
Use of freshwater resource (intensity) - site processes		Information not av	ailable at design stage	
Total BREEAM credits achieved 5				
Total contribution to overall building score 2.86%				
Total BREEAM innovation credits achieved 0				
Minimum standard(s) level Outstanding level				
William Standard (s) level				
omments/notes:				

Building Performance by Assessment Issue 05/12/2017 Section 3 - Page 2



Man 04 Commisioning and handover

No. of BREEAM credits available	4		Available contribu	ution to overall score	2.29%
No. of BREEAM innovation credits available	0		Minimum	standards applicable	Yes
ssessment Criteria		Compliant?	Credits available	Credits achieved	
Will commissioning schedule and responsibilities be developed & accou	inted for 2	Yes	1	1	
Will a commissioning scriedule and responsibilities be developed & accou		Yes	1	1	
Will the building fabric be comm		No	1	0	
Will a building user guide be developed prior to h		Yes	_		
Will a training schedule be prepared for building occupiers/m		Yes	1	1	
Will a draining senerate be prepared for banding occupiers/in	idilagers.	1.03			
Total BREEAM credits achieved	3				
Total contribution to overall building score 1.	.71%				
Total BREEAM innovation credits achieved	N/A				
Minimum standard(s) level Outstan	nding level				
omments/notes:					

Man 05 Aftercare

No. of BREEAM credits available	3	Available contrib	ution to overall score	1.71%
No. of BREEAM innovation credits available	1	Minimum	standards applicable	Yes
ssessment Criteria	Compliant	Credits available	Credits achieved	
Will aftercare support be provided to building or	ccupiers? Yes	1	1	
Will seasonal commissioning occur over 12months once substantially o		1	0	
Will a post occupancy evaluation be carried out 1 year after occ	upation? Yes	1	1	
Will exemplary level criteria	be met? Yes	1	1	
Total BREEAM credits achieved	2			
Total contribution to overall building score 1.3	14%			
Total BREEAM innovation credits achieved	1			
Minimum standard(s) level Very Go	od level			

confinency/notes:
POE potential Seasonal comm. Pot.
Seasonal comm. Pot.

BRFFAM

No. of BREEAM credits available	4		Available contrib	ution to overall score	3.53%
No. of BREEAM innovation credits available	1		Minimum	standards applicable	No
essment Criteria		Compliant?	Credits available	Credits achieved 0	
Will the design provide adequate glare control for How many credits will be targeted for the da	ylighting criteria?	No	1	0	
Will the design provide adequate view out fo Il internal/external lighting levels, zoning and controls be specified in acc			1	0	
relevant CIBSE Guides/E		Yes	1	1	
Will exemplary leve	el criteria be met?		1	0	
Total BREEAM credits achieved	1				
Total contribution to overall building score Total BREEAM innovation credits achieved	0.88%				
Minimum standard(s) level	N/A				
nments/notes:					
02 Indoor Air Quality					
02 Indoor Air Quality No. of BREEAM credits available	5		Available contrib	ution to overall score	4.41%
	5 2			ution to overall score	4.41% 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 essment Criteria	2	Compliant?	Minimum Credits available	standards applicable Credits achieved	
No. of BREEAM credits available No. of BREEAM innovation credits available essment Criteria Will an indoor air quality (IAQ) plan be produced and building designe	2 d to minimise air pollution?	Compliant? Yes	Minimum	standards applicable	
No. of BREEAM credits available No. of BREEAM innovation credits available essment Criteria Will an indoor air quality (IAQ) plan be produced and building designe	2 d to minimise air pollution? n of pollutants in		Minimum Credits available	standards applicable Credits achieved	
No. of BREEAM credits available No. of BREEAM innovation credits available essment Criteria Will an indoor air quality (IAQ) plan be produced and building designe	d to minimise air pollution? n of pollutants in the building? Id emission levels	Yes	Minimum Credits available 1 1	credits achieved 1 0	
No. of BREEAM credits available No. of BREEAM innovation credits available assment Criteria Will an indoor air quality (IAQ) plan be produced and building designe the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an	d to minimise air pollution? n of pollutants in the building? d emission levels required?	Yes No Yes	Minimum Credits available 1 1	Credits achieved 1 0 1	
No. of BREEAM credits available No. of BREEAM innovation credits available Produced and building designed the building designed the building building designed the building building designed to the building building building designed to the building buil	d to minimise air pollution? n of pollutants in the building? id emission levels required? ost construction?	Yes No Yes	Minimum Credits available 1 1 1 1	Credits achieved 1 0 1	
No. of BREEAM credits available No. of BREEAM innovation credits available sessment Criteria Will an indoor air quality (IAQ) plan be produced and building designe the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, na	d to minimise air pollution? n of pollutants in the building? d emission levels required? ost construction?	Yes No Yes	Credits available 1 1 1 1 1 1	Credits achieved 1 0 1 0 0	
No. of BREEAM credits available No. of BREEAM innovation credits available sessment Criteria Will an indoor air quality (IAQ) plan be produced and building designe the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, nat Will exemplary leve	d to minimise air pollution? n of pollutants in the building? d emission levels required? ost construction?	Yes No Yes	Minimum Credits available 1 1 1 1	Credits achieved 1 0 1	
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available assment Criteria Will an indoor air quality (IAQ) plan be produced and building designed the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, nat Will exemplary level Performance indicators: Indoor air quality	d to minimise air pollution? n of pollutants in the building? de mission levels required? ost construction? tural ventilation? el criteria be met?	Yes No Yes No No	Minimum Credits available 1 1 1 1 2	Credits achieved 1 0 1 0 0 0	
No. of BREEAM credits available No. of BREEAM innovation credits available sessment Criteria Will an indoor air quality (IAQ) plan be produced and building designe the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, nat Will exemplary leve	d to minimise air pollution? n of pollutants in the building? d emission levels required? ost construction? tural ventilation?	Yes No Yes	Minimum Credits available 1 1 1 1 1 Information not as	Credits achieved 1 0 1 0 0	
No. of BREEAM credits available No. of BREEAM innovation credits available sessment Criteria Will an indoor air quality (IAQ) plan be produced and building designe the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, nal Will exemplary level Performance Indicators: Indoor air quality Concentration levels Total volatile organic compound (TVO)	d to minimise air pollution? n of pollutants in the building? d emission levels required? ost construction? tural ventilation?	Yes No Yes No No No	Minimum Credits available 1 1 1 1 1 Information not as	credits achieved 1 0 1 0 0 allable at design stage	
No. of BREEAM credits available No. of BREEAM innovation credits available essment Criteria Will an indoor air quality (IAQ) plan be produced and building designe I the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, na Will exemplary level Performance Indicators: Indoor air quality Concentration levels	d to minimise air pollution? no f pollutants in the building? d emission levels required? ost construction? tural ventilation? el criteria be met? of formaldehyde c) concentration	Yes No Yes No No No	Minimum Credits available 1 1 1 1 1 Information not as	credits achieved 1 0 1 0 0 allable at design stage	
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available essment Criteria Will an indoor air quality (IAQ) plan be produced and building designe I the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, na Will exemplary levely Performance Indicators: Indoor air quality Concentration levels Total volatile organic correction (TVO Total BREEAM conversed building score Total BREEAM innovation credits achieved	d to minimise air pollution? n of pollutants in the building? de mission levels required? ost construction? tural ventilation? el criteria be met? of formaldehyde C) concentration 2 1.76% 0	Yes No Yes No No No	Minimum Credits available 1 1 1 1 1 Information not as	credits achieved 1 0 1 0 0 allable at design stage	
No. of BREEAM innovation credits available essment Criteria Will an indoor air quality (IAQ) plan be produced and building designe I the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, nat Will exemplary level Total volatile organic compound (IVO Total BREEAM credits achieved Total contribution to overall building score	d to minimise air pollution? n of pollutants in the building? de mission levels required? ost construction? tural ventilation? el criteria be met?	Yes No Yes No No No	Minimum Credits available 1 1 1 1 1 Information not as	credits achieved 1 0 1 0 0 allable at design stage	
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available essment Criteria Will an indoor air quality (IAQ) plan be produced and building designe I the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, na Will exemplary levely Performance Indicators: Indoor air quality Concentration levels Total volatile organic correction (TVO Total BREEAM conversed building score Total BREEAM innovation credits achieved	d to minimise air pollution? n of pollutants in the building? de mission levels required? ost construction? tural ventilation? el criteria be met? of formaldehyde C) concentration 2 1.76% 0	Yes No Yes No No No	Minimum Credits available 1 1 1 1 1 Information not as	credits achieved 1 0 1 0 0 allable at design stage	
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available essment Criteria Will an indoor air quality (IAQ) plan be produced and building designe If the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, nat Will exemplary level Performance Indicators: Indoor air quality Concentration levels Total Volatile organic compound (TVO Total BREEAM credits achieved Total Ontribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	d to minimise air pollution? n of pollutants in the building? de mission levels required? ost construction? tural ventilation? el criteria be met? of formaldehyde C) concentration 2 1.76% 0	Yes No Yes No No No	Minimum Credits available 1 1 1 1 1 Information not as	credits achieved 1 0 1 0 0 allable at design stage	
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available assment Criteria Will an indoor air quality (IAQ) plan be produced and building designe If the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, nat Will exemplary level Performance Indicators: Indoor air quality Concentration levels Total Volatile organic compound (TVO Total BREEAM credits achieved Total Ontribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	d to minimise air pollution? n of pollutants in the building? de mission levels required? ost construction? tural ventilation? el criteria be met? of formaldehyde C) concentration 2 1.76% 0	Yes No Yes No No No	Minimum Credits available 1 1 1 1 1 Information not as	credits achieved 1 0 1 0 0 allable at design stage	
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available essment Criteria Will an indoor air quality (IAQ) plan be produced and building designe If the building be designed to minimise the concentration and recirculatio Will the relevant products be specified to meet the VOC testing an Will formaldehyde and total VOC levels be measured p Will the building be designed to, or have the potential to provide, nat Will exemplary level Performance Indicators: Indoor air quality Concentration levels Total Volatile organic compound (TVO Total BREEAM credits achieved Total Ontribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	d to minimise air pollution? n of pollutants in the building? de mission levels required? ost construction? tural ventilation? el criteria be met? of formaldehyde C) concentration 2 1.76% 0	Yes No Yes No No No	Minimum Credits available 1 1 1 1 1 Information not as	credits achieved 1 0 1 0 0 allable at design stage	



Hea 03 Safe containment in laboratories No. of BREEAM credits available N/A Available contribution to overall score N/A No. of BREEAM innovation credits available Minimum standards applicable N/A Accessment Criteria Compliant? Credits available Credits achieved Total BREEAM credits achieved 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 No. of BREEAM credits available Available contribution to overall score 2.65% No. of BREEAM innovation credits available Minimum standards applicable No Assessment Criteria Compliant? Credits available Credits achieved Will thermal modelling of the design be carried out?
Will the building services system be adapted for a projected climate change scenario? Yes Key Performance Indicators: Thermal comfort Predicted Mean Vote (PMV Total BREEAM credits achieved Total contribution to overall building score 2.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A

BREEAM®

No. of BREEAM credits available	3	Available contribution to overall score	2.65%
No. of BREEAM innovation credits available	0	Minimum standards applicable	No

Assessment Criteria	Cr	edits	Credits available	Credits achieved
a. Sour b. Indoor ambien	rements for: nd insulation	3	3	3
Total BREEAM credits achieved	3			
Total contribution to overall building score	2.65%			

Comments/notes: Potential		
Potential		•

N/A

Hea 06 Safety and Security			
No. of BREEAM credits available	2	Available contribution to overall score	1.76%
No. of BREEAM innovation credits available	0	Minimum standards applicable	No

Assessment Criteria	Compliant?	Credits available	Credits achieved
Where external site areas are present, will safe access be designed for pedestrians and cyclists?		1	0
Will a suitably qualified security consultant be appointed and security considerations accounted for?	Yes	1	1

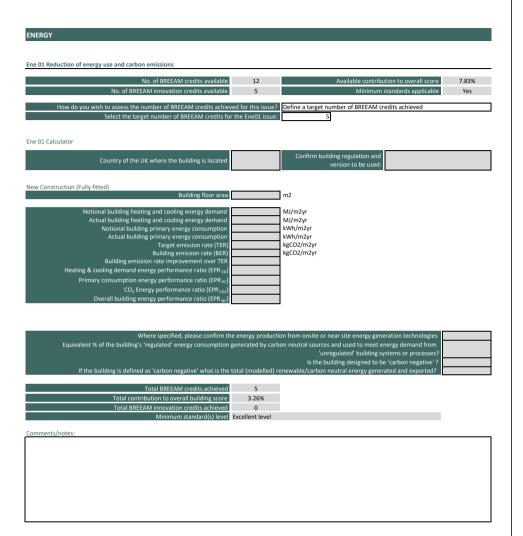
1	Total BREEAM credits achieved
0.88%	Total contribution to overall building score
N/A	Total BREEAM innovation credits achieved
N/A	Minimum standard(s) level

Total BREEAM innovation credits achieved

Hea 05 Acquetic Performance

Comments/notes:
Architect to get in touch





Fne	02	Energy	mon	itorin	0

Seessment criteria Will a BMS or sub-meters be specified to monitor energy use from major building services systems? Will a BMS or sub-meters be specified to monitor energy use by tenant/building function areas? 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 achieved No.		No. of BREEAM credits available	2		Available contribu	ution to overall score	1.30%
Will a BMS or sub-meters be specified to monitor energy use from major building services systems? Will a BMS or sub-meters be specified to monitor energy use by tenant/building function areas? Will a BMS or sub-meters be specified to monitor energy use by tenant/building function areas? Total BREEAM credits achieved Total contribution to overall building score on the property of the property		No. of BREEAM innovation credits available	0		Minimum	standards applicable	Yes
Will a BMS or sub-meters be specified to monitor energy use from major building services systems? Will a BMS or sub-meters be specified to monitor energy use by tenant/building function areas? Will a BMS or sub-meters be specified to monitor energy use by tenant/building function areas? Total BREEAM credits achieved Total contribution to overall building score 1.30% Total BREEAM innovation credits achieved N/A Minimum standard(s) level Outstanding level No. of BREEAM innovation credits available 1 Available contribution to overall score No. of BREEAM innovation credits available 0 Minimum standards applicable No. of BREEAM innovation credits available No. of BREEAM innovation credits available 1 Credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits achieved 1 Total contribution to overall building score O.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A Minimum standard(s) level N/A							
Will a BMS or sub-meters be specified to monitor energy use by tenant/building function areas? Total BREEAM credits achieved Total contribution to overall building score Total REEAM innovation credits achieved Minimum standard(s) level Outstanding level Outstanding level Outstanding level Outstanding level Minimum standard(s) level No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Total BREEAM credits available Total BREEAM credits available Total BREEAM credits available Total BREEAM credits achieved No. Minimum standard(s) level	ssessment criteria			Compliant?	Credits available	Credits achieved	
Total BREEAM credits achieved 2 Total contribution to overall building score 1.30% Total BREEAM innovation credits achieved N/A Minimum standard(s) level Outstanding level Total SREEAM innovation credits available 1 Available contribution to overall score 0.65% Total BREEAM innovation credits achieved 1 Total contribution to overall building score 1 Total BREEAM credits available 1 Total BREEAM credits available 0 Minimum standards applicable N Total BREEAM credits achieved 1 Total contribution to overall building score 0.65% Total BREEAM credits achieved N/A Minimum standard(s) level N/A Minimum standard(s) level N/A	Will a BMS or sub-met	ers be specified to monitor energy use from major b		Yes	1	1	
Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A Outstanding level	Will a BMS or sub-me	ters be specified to monitor energy use by tenant/bi		Yes	1	1	
Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A Outstanding level		Total BREEAM credits achieved	2				
Total BREEAM credits available N/A Minimum standard(s) level Outstanding level Available contribution to overall score Outstanding score No. of BREEAM credits available Outstanding score Outst							
No. of BREEAM credits available No. of BREEAM credits available No. of BREEAM credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Total BREEAM credits achieved Total BREEAM credits achieved Total BREEAM credits achieved No. of BREEAM credits achieved No. of BREEAM credits available No. of BREEAM credits available Compliant? Credits available Total BREEAM credits achieved No. of BREEAM credits available No. of BREEAM cr							
No. of BREEAM credits available No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score O.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A		Minimum standard(s) level	Outstanding level				
No. of BREEAM credits available No. of BREEAM credits available No. of BREEAM innovation credits available Seessment criteria Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score O.65% Total BREEAM innovation credits achieved Minimum standard(s) level N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits available Credits available Credits available Credits achieved Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	omments/notes:						
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits available Credits available Credits available Credits achieved Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits achieved 1 Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits available Credits available Credits available Credits achieved Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits available Credits available Credits available Credits achieved Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits available Credits available Credits available Credits achieved Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits achieved 1 Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits available Credits available Credits available Credits achieved Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits available Credits available Credits available Credits achieved Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits achieved 1 Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits achieved 1 Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits available Credits available Credits available Credits achieved Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM credits available No. of BREEAM innovation credits available No. of BREEAM innovation credits available Compliant? Compliant? Credits available Credits available Credits available Credits available Credits achieved Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A							
No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Yes 1 1 Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A	ne 03 External lighting						
No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits available Credits achieved Yes 1 1 Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A	ne 03 External lighting						
No. of BREEAM innovation credits available Compliant? Credits available Credits available Credits available Credits achieved Yes 1 1 Total BREEAM credits achieved Total BREEAM credits achieved Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	ne 03 External lighting						
ssessment criteria Compliant? Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A	ne 03 External lighting	No. of BREFAM credits available	1		Available contribu	ution to overall score	0.65%
Seessment criteria Compliant? Credits available Credits achieved Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	ne 03 External lighting						
Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A	ne 03 External lighting						
Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A	ne 03 External lighting						0.65% No
Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A	ne 03 External lighting						
Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A	ne 03 External lighting						
Will external light fittings and controls be specified in accordance with the BREEAM criteria? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level N/A	ne 03 External lighting						
Total BREEAM credits achieved 1 Total contribution to overall building score 0.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A				Compliant?	Minimum	standards applicable	
Total BREEAM credits achieved 1 Total contribution to overall building score 0.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A				Compliant?	Minimum	standards applicable	
Total BREEAM credits achieved 1 Total contribution to overall building score 0.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A				Compliant?	Minimum	standards applicable	
Total contribution to overall building score 0.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	ssessment criteria	No. of BREEAM innovation credits available	0		Minimum Credits available	standards applicable Credits achieved	
Total contribution to overall building score 0.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	ssessment criteria	No. of BREEAM innovation credits available	0		Minimum Credits available	standards applicable Credits achieved	
Total contribution to overall building score 0.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	ssessment criteria	No. of BREEAM innovation credits available	0		Minimum Credits available	standards applicable Credits achieved	
Total contribution to overall building score 0.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	ssessment criteria	No. of BREEAM innovation credits available	0		Minimum Credits available	standards applicable Credits achieved	
Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	ssessment criteria	No. of BREEAM innovation credits available and controls be specified in accordance with the BF	0 REEAM criteria?		Minimum Credits available	standards applicable Credits achieved	
Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	ssessment criteria	No. of BREEAM innovation credits available and controls be specified in accordance with the BF	0 REEAM criteria?		Minimum Credits available	standards applicable Credits achieved	
Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A	ssessment criteria	No. of BREEAM innovation credits available and controls be specified in accordance with the BF Total BREEAM credits achieved	0 REEAM criteria?		Minimum Credits available	standards applicable Credits achieved	
Minimum standard(s) level N/A	ssessment criteria	No. of BREEAM innovation credits available and controls be specified in accordance with the BF Total BREEAM credits achieved	0 REEAM criteria?		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria	No. of BREEAM innovation credits available and controls be specified in accordance with the BF Total BREEAM credits achieved Total contribution to overall building score	0 REEAM criteria? 1 0.65%		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria	No. of BREEAM innovation credits available and controls be specified in accordance with the BF Total BREEAM credits achieved Total contribution to overall building score	0 REEAM criteria? 1 0.65%		Minimum Credits available	standards applicable Credits achieved	
omments/notes:	ssessment criteria	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
omments/notes:	ssessment criteria	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
omments/notes:	ssessment criteria	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	0.65% No
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ne 03 External lighting ssessment criteria Will external light fittings omments/notes:	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	
	ssessment criteria Will external light fittings	No. of BREEAM innovation credits available and controls be specified in accordance with the BR Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	0 REEAM criteria? 1 0.65% N/A		Minimum Credits available	standards applicable Credits achieved	

BRFFAM®

Ene 04 Low carbon design No. of BREEAM credits available Available contribution to overall score 1.96% Minimum standards applicable Credits available Credits achieved Assessment criteria Will passive design measures be used in line with an analysis carried out during concep 0 No 0 1 1 KPI - Low and/or zero carbon energy generation Total on-site and/or near-site LZC energy generation INA kWh/yr Total BREEAM credits achieved Total contribution to overall building score 0.65% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A Comments/notes: Ene 05 Energy efficient cold storage Assessment issue not applicable No. of BREEAM credits available N/A N/A No. of BREEAM innovation credits available Minimum standards applicable N/A N/A Compliant? Credits available Credits achieved Will the refrigeration system be designed, installed & commissioned in accrodance with N/A N/A N/A N/A Total BREEAM credits achieved Total contribution to overall building score N/A Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A Comments/notes:

No. of BREEAM credits available	3		Available contrib	ition to overall score	1.96%
No. of BREEAM innovation credits available	0		Minimum	standards applicable	N/A
essment criteria		Compliant?	Credits available	Credits achieved	
Will a transportation system analysis be carried out to determine and specify		Yes	1	1	
number, size and type of lifts that is most en Will the relevant energy-efficient features c		Yes	2	2	
				-	
Total BREEAM credits achieved	3 1.96%				
Total contribution to overall building score Total BREEAM innovation credits achieved	1.96% N/A				
Minimum standard(s) level	N/A				
amonto/nator.					
nments/notes:					
07 Energy efficient laboratory systems					
No. of BREEAM credits available	N/A			ition to overall score	N/A
No. of BREEAM innovation credits available	N/A		Minimum	standards applicable	N/A
essment criteria		Compliant?	Credits available	Credits achieved	
Pre-requisite: Criterion 1 of Hea 03 - risk assessment of labor	ratory facilities				
ve the occupants' laboratory requirements & performance criteria been cor	ntirmed during				
the preparation of the initial project brief to minimise en	ergy demand?				
the preparation of the initial project brief to minimise en	ergy demand?				
Best Practice Energy Practices in Laborate	ories (table 27)				
Best Practice Energy Practices in Laborat Will the laboratory meet criteria item	ories (table 27) b) Fan power?				
Best Practice Energy Practices in Laborate	ories (table 27) b) Fan power?				
Best Practice Energy Practices in Laborat Will the laboratory meet criteria item	ories (table 27) b) Fan power? me flow rates?				
Best Practice Energy Practices in Laborator Will the laboratory meet criteria item Will the laboratory criteria item c) Fume cupboard volulu Will the lab meet item d) Grouping / isolation of high filtration/ventilal	ories (table 27) b) Fan power? me flow rates? tion activities?				
Best Practice Energy Practices in Laborat Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the lab meet item d) Grouping / isolation of high filtration/vential Will the laboratory meet criteria item e) Energy re	ories (table 27) b) Fan power? me flow rates? tion activities? ecovery - heat?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item c) Fume cupboard volur Will the lab meet item d) Grouping / isolation of high filtration/ventila Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item f) Energy reco	b) Fan power? me flow rates? tion activities? ecovery - heat? very - cooling?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the lab meet item d) Grouping / Solation of high filtration/ventials Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item f) Energy reco Will the laboratory meet criteria item g) Grouping of	b) Fan power? me flow rates? tion activities? ecovery - heat? very - cooling? cooling loads?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item c) Fume cupboard volur Will the lab meet item d) Grouping / isolation of high filtration/ventilat Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item g)	b) Fan power? me flow rates? tion activities? ecovery - heat? very - cooling? cooling loads?) Free cooling?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the lab meet item d) Grouping / Solation of high filtration/ventials Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item f) Energy reco Will the laboratory meet criteria item g) Grouping of	b) Fan power? me flow rates? tion activities? ecovery - heat? very - cooling? cooling loads?) Free cooling?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item c) Fume cupboard volur Will the lab meet item d) Grouping / isolation of high filtration/ventilat Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item g)	ories (table 27) b) Fan power? me flow rates? tion activities? ecovery - heat? every - cooling? cooling loads?) Free cooling? esponsiveness?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volun Will the laboratory meet criteria item e) Energy re Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item h	ories (table 27) b) Fan power? me flow rates? tion activities? ecovery - heat? very - cooling? cooling loads?) Free cooling? esponsiveness? i) Cleanrooms?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item c) Fume cupboard volur Will the lab meet item d) Grouping / isolation of high filtration/ventilat Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item f) Energy reco Will the laboratory meet criteria item f) Grouping of Will the laboratory meet criteria item f) Will the laboratory meet criteria item i) Will the laboratory meet criteria item j Will the laboratory meet criteria item j Will the laboratory meet criteria item j	ories (table 27) b) Fan power? me flow rates? tion activities? ccovery - heat? very - cooling? cooling loads?) Free cooling? sponsiveness? t) Cleanrooms? m k) Diversity?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volun Will the laboratory meet criteria item e) Energy re Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item h	ories (table 27) b) Fan power? me flow rates? tion activities? ccovery - heat? very - cooling? cooling loads?) Free cooling? sponsiveness? t) Cleanrooms? m k) Diversity?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the lab meet item d) Grouping / isolation of high filitration/vential Will the laboratory meet criteria item e) Energy re Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item h Will the laboratory meet criteria item th Will the laboratory meet criteria item	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? very - cooling? cooling loads?) Free cooling? spopnsiveness? i) Cleanrooms? m k) Diversity? -change rates?				
Best Practice Energy Practices in Laborator Will the laboratory meet criteria item Will the laboratory criteria item c) Fume cupboard volur Will the lab meet item d) Grouping / isolation of high filtration/ventilat Will the laboratory meet criteria item g) Energy reco Will the laboratory meet criteria item g) Enouping of Will the laboratory meet criteria item; g) Grouping of Will the laboratory meet criteria item; l) Load re Will the laboratory meet criteria item; will the laborato	ories (table 27) b) Fan power? me flow rates? tion activities? ccovery - heat? very - cooling? cooling loads?) Free cooling? sponsiveness? of Cleanrooms? m k) Diversity? -change rates?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the lab meet item d) Grouping / isolation of high filitration/vential Will the laboratory meet criteria item e) Energy re Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item h Will the laboratory meet criteria item th Will the laboratory meet criteria item	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? very - cooling? cooling loads?) Free cooling? spopnsiveness? i) Cleanrooms? m k) Diversity? -change rates?				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the lab meet item d) Grouping / Isolation of high filtration/ventials Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item i) Loare Will the laboratory meet criteria item i) Loare Will the laboratory meet criteria item i) Loare Will the laboratory meet criteria item i) Will the laboratory meet criteria item i) Total BREEAM credits achieved Total contribution to overall building score	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? very - cooling? cooling loads?) Free cooling? sponsiveness?) Cleanrooms? mk) Diversity? -change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volun Will the laboratory meet criteria item of Energy rec Will the laboratory meet criteria item of Energy rec Will the laboratory meet criteria item of Grouping of Will the laboratory meet criteria item of Grouping of Will the laboratory meet criteria item in Will the laboratory meet criteria item in Will the laboratory meet criteria item Will the laboratory meet criteria item Will the laboratory meet criteria item Total BREEAM credits achieved Total BREEAM innovation credits achieved	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the lab meet item d) Grouping / Isolation of high filtration/ventials Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item e) Energy reco Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item item hod in Will the laboratory meet criteria item ji Loare Will the laboratory meet criteria item ji Will the laboratory meet criteria item ji Will the laboratory meet criteria item ji Room air Total BREEAM credits achieved Total contribution to overall building score	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? very - cooling? cooling loads?) Free cooling? sponsiveness?) Cleanrooms? mk) Diversity? -change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the laboratory criteria item of Fume cupboard volur Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item in Load re Will the laboratory meet criteria item j) Load re Will the laboratory meet criteria item j Will the laboratory meet criteria item j Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item () Fume cupboard volur Will the laboratory criteria item () Fume cupboard volur Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Grouping of Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Will the laboratory meet criteria item () Loaf er Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item () Fume cupboard volur Will the laboratory criteria item () Fume cupboard volur Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Grouping of Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Will the laboratory meet criteria item () Loaf er Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item () Fume cupboard volur Will the laboratory criteria item () Fume cupboard volur Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Grouping of Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Will the laboratory meet criteria item () Loaf er Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item () Fume cupboard volur Will the laboratory criteria item () Fume cupboard volur Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Grouping of Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Will the laboratory meet criteria item () Loaf er Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item () Fume cupboard volur Will the laboratory criteria item () Fume cupboard volur Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Energy rec Will the laboratory meet criteria item () Grouping of Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Loaf er Will the laboratory meet criteria item () Will the laboratory meet criteria item () Loaf er Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the laboratory criteria item of Fume cupboard volur Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item in Load re Will the laboratory meet criteria item j) Load re Will the laboratory meet criteria item j Will the laboratory meet criteria item j Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the laboratory criteria item of Fume cupboard volur Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item in Load re Will the laboratory meet criteria item j) Load re Will the laboratory meet criteria item j Will the laboratory meet criteria item j Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laborato Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volur Will the laboratory criteria item of Fume cupboard volur Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item e) Energy rec Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item g) Grouping of Will the laboratory meet criteria item in Load re Will the laboratory meet criteria item j) Load re Will the laboratory meet criteria item j Will the laboratory meet criteria item j Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				
Best Practice Energy Practices in Laboratt Will the laboratory meet criteria item Will the laboratory criteria item of Fume cupboard volun Will the laboratory criteria item of Fume cupboard volun Will the laboratory meet criteria item of Energy rec Will the laboratory meet criteria item of Energy rec Will the laboratory meet criteria item of Grouping of Will the laboratory meet criteria item in Will the laboratory meet criteria item in Will the laboratory meet criteria item in Will the laboratory meet criteria item Will the laboratory meet criteria item Will the laboratory meet criteria item Total BREEAM credits achieved Total BREEAM innovation credits achieved	ories (table 27) b) Fan power? me flow rates? tion activities? coovery - heat? every - cooling? cooling loads? j) Free cooling? sponsiveness? j) Cleanrooms? m k) Diversity? change rates? N/A N/A				

TRANSPORT

BREEAM®

Ene 08 Energy efficient equipment					
No. of BREEAM credits available	2		Available contrib	ution to overall score	1.30%
No. of BREEAM innovation credits available	0			standards applicable	No
Assessment criteria					
Which of the following will be present and likely to be a/the major con		Present	Major impact		
'unregulated' 6				Ī	
Ref A Small power and plug in e Ref B Swim		Yes No	Yes No		
Ref C Commun	al laundry?	No			
Ref D D Ref E IT-intensive opera	ata centre?	No Yes			
Ref F Reside		No			
	Healthcare?	No			
Ref H Kitchen and caterin	g facilities?	Yes	No		
		Compliant	Credits available	Credits achieved	
Will the significant majority contributor(s) to 'unregulated' energy use abov	e meet the		i e		
	AM criteria?	Yes	2	2	
Total BREEAM credits achieved	2				
	1.30%				
Total BREEAM innovation credits achieved	N/A				
Minimum standard(s) level	N/A				
Comments/notes:					
Ene 09 Drying space				Assessment issue	e not applicable
No. of BREEAM credits available	21/2		Accellable acceleb	Alan ta a sandla a san	21/2
No. of BREEAM innovation credits available	N/A N/A			ution to overall score standards applicable	N/A N/A
NO. OF DIVERNIT INTOVATION CITCUITS AVAILABLE	NA		William	standards applicable	N/A
A		C1112	Credits available	Credits achieved	
Assessment criteria Is there a risk of ligature for	residents?	Compliant?	Credits available	Credits achieved	
Will internal/external drying space and fixings be					
Total BREEAM credits achieved	N/A		_		
Total contribution to overall building score	N/A N/A				
Total BREEAM innovation credits achieved	N/A				
Minimum standard(s) level	N/A				
Commontelastos					
Comments/notes:					

	No. of BREEAM credits available	5		Available contrib	ution to overall score	4.09%
	No. of BREEAM innovation credits available	0		Minimum	standards applicable	No
	Building type category (for purpose of Tra01 is	ssue assessment)	Other Building 1	ype 2		
ssment C			Compliant	Credits available	Credits achieved	
	Indicative public transport acces Will the building have a dedica		3.00	5	1 N/A	
Al	Indicative Accessibility Index for pre-assessment					
0	Poor or no public transport provision					
1	A single BREEAM compliant public transport node available					
4	Some BREEAM compliant public transport nodes/services availa A selection of BREEAM compliant public transport nodes/service			_		
8	Good provision of public transport i.e. small urban centre / subu			-		
10	Very Good provision of public transport i.e. small/medium urbar					
12	Excellent provision of public transport, i.e. medium urban centre			_		
18	Excellent provision of public transport, i.e. large urban/metropo	litan city centre		_		
_	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				
nments/no	otes:					
nments/nc	nity to Amenities					
	nity to Amenities No. of BREEAM credits available	1			ution to overall score	0.82%
	nity to Amenities	1 0			ution to overall score standards applicable	0.82% No
02 Proxim	nity to Amenities No. of BREEAM credits available No. of BREEAM innovation credits available	_	Compliant?			
12 Proxim	nity to Amenities No. of BREEAM credits available No. of BREEAM innovation credits available	0	Compliant? Yes	Minimum	standards applicable	
12 Proxim	No. of BREEAM credits available No. of BREEAM innovation credits available striteria Will the building be in close proximity of and accessible to appli	0 cable amenities?		Minimum Credits available	standards applicable Credits achieved	
02 Proxim ssment C	No. of BREEAM credits available No. of BREEAM innovation credits available criteria Will the building be in close proximity of and accessible to appli	cable amenities?		Minimum Credits available	standards applicable Credits achieved	
02 Proxim	No. of BREEAM credits available No. of BREEAM innovation credits available triteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score	0 cable amenities? 1 0.82%		Minimum Credits available	standards applicable Credits achieved	
02 Proxim	No. of BREEAM credits available No. of BREEAM innovation credits available riteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total BREEAM innovation credits achieved Total BREEAM innovation credits achieved	0 cable amenities? 1 0.82% N/A		Minimum Credits available	standards applicable Credits achieved	
02 Proxim ssment C	No. of BREEAM credits available No. of BREEAM innovation credits available triteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score	0 cable amenities? 1 0.82%		Minimum Credits available	standards applicable Credits achieved	
02 Proxim ssment C	No. of BREEAM credits available No. of BREEAM innovation credits available Striteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	0 cable amenities? 1 0.82% N/A		Minimum Credits available	standards applicable Credits achieved	
02 Proxim	No. of BREEAM credits available No. of BREEAM innovation credits available Striteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	0 cable amenities? 1 0.82% N/A		Minimum Credits available	standards applicable Credits achieved	
02 Proxim essment C	No. of BREEAM credits available No. of BREEAM innovation credits available Striteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	0 cable amenities? 1 0.82% N/A		Minimum Credits available	standards applicable Credits achieved	
02 Proxim	No. of BREEAM credits available No. of BREEAM innovation credits available Striteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	0 cable amenities? 1 0.82% N/A		Minimum Credits available	standards applicable Credits achieved	
02 Proxim	No. of BREEAM credits available No. of BREEAM innovation credits available Striteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	0 cable amenities? 1 0.82% N/A		Minimum Credits available	standards applicable Credits achieved	
02 Proxim	No. of BREEAM credits available No. of BREEAM innovation credits available Striteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	0 cable amenities? 1 0.82% N/A		Minimum Credits available	standards applicable Credits achieved	
02 Proxim	No. of BREEAM credits available No. of BREEAM innovation credits available Striteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	0 cable amenities? 1 0.82% N/A		Minimum Credits available	standards applicable Credits achieved	
02 Proxim ssment C	No. of BREEAM credits available No. of BREEAM innovation credits available Striteria Will the building be in close proximity of and accessible to appli Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	0 cable amenities? 1 0.82% N/A		Minimum Credits available	standards applicable Credits achieved	

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 Breed My Innovation creates available				standards applicable	110
Building type category (for purpose of Tra03			ransport type 2		
How many compliant cycle storage spaces		25	<u> </u>		
What cyclist facilities	s will be provided?	Showers and cha	nging facilities and l	ockers	
Assessment Criteria		Compliant?	Credits available	Credits achieved	
Су	ycle storage spaces Cyclist facilities	Yes Yes	2	2	
	Cyclist facilities	res			
Total BREEAM credits achieved	2				
Total contribution to overall building score	1.64%				
Total BREEAM innovation credits achieved					
Minimum standard(s) level	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
Building type category (for purpo	ose of Tra04 issue)	Other Building - t	ransport type 2		
Building's indicative Accessibility Index (sourced		3			
Assessment Criteria		Compliant?	Credits available	Credits achieved	
Will BREEAM's maximum parking capacity criteria for the building type/Acc	essibility Index be		i e		
8 - Jr - J	met?	Yes	2	→ ←	
				,	
Total BREEAM credits achieved					
Total contribution to overall building score					
Total BREEAM innovation credits achieved					
Minimum standard(s) level	N/A				
Comments/notes:					

No. of BREEA	AM credits available	1		Available contribu	ition to overall score	0.82%
No. of BREEAM innovati		0			standards applicable	No
essment Criteria			Compliant?	Credits available	Credits achieved	
Will a transport plan based on site specific tra	vel survey/assessmer	nt be developed?	Yes	1	1	
Total BDEEA	AM credits achieved	1				
Total contribution to ov		0.82%				
Total BREEAM innovation		N/A				
Minimu	ım standard(s) level	N/A				
nments/notes:						
ed that a travel plan will have to be produced as par	t of pre-occupation o	compliance				
ATER						
ATER						
t 01 Water Consumption						
No. of BREE	AM credits available	5		Available contribu	ation to overall score	4.38%
No. of BREEAM innovati		1			standards applicable	Yes
How do you wish to assess the BREEAN						
nat is the target for % reduction in potable water con	sumption for sanitary	use in the building	?	40% - three credits		
Please select the calculati	ion procedure used					
Please select the calculati	ion procedure used					
Please select the calculat	ion procedure used					
Please select the calculat	ion procedure used					
Please select the calculat	ion procedure used					
ndard approach data						
ndard approach data Water Consumpi	tion from building mi			1		
ndard approach data Water Consumpi	tion from building mi I met via greywater/r					
ndard approach data Water Consump Water demand	tion from building mi I met via greywater/r	ainwater sources ater consumption				
ndard approach data Water Consump Water demand Ir	tion from building mi I met via greywater/r Total net w. mprovement on base	ainwater sources ater consumption				
ndard approach data Water Consump Water demand Ir	tion from building mi I met via greywater/r Total net w. nprovement on base Total net Wa'	ainwater sources ater consumption line performance ter Consumption				
ndard approach data Water Consump Water demand	tion from building mi I met via greywater/r Total net w. nprovement on base Total net Wa'	ainwater sources ater consumption line performance				
ndard approach data Water Consumpi Water demand Ir / Performance Indicator - use of freshwater resource	tion from building mi I met via greywater/r Total net w. nprovement on base Total net Wa'	ainwater sources ater consumption line performance ter Consumption				
ndard approach data Water Consump Water demand Ir y Performance Indicator - use of freshwater resource ernative approach data	tion from building mi I met via greywater/r Total net w. nprovement on base Total net Wa'	ainwater sources ater consumption line performance ter Consumption uilding occupancy				
ndard approach data Water Consump Water demand Ir y Performance Indicator - use of freshwater resource ernative approach data	tion from building mi I met via greywater/r Total net we mprovement on base Total net Wa Default bu	ainwater sources ater consumption line performance ter Consumption uilding occupancy				
ndard approach data Water Consump Water demand Ir y Performance Indicator - use of freshwater resource ernative approach data Overall microco	tion from building mi I met via greywater/r Total net we mprovement on base Total net Wa Default bu	ainwater sources ater consumption line performance ter Consumption uilding occupancy				
ndard approach data Water Consumpi Water demand Ir y Performance Indicator - use of freshwater resource ernative approach data Overall microco Total BREEA Total contribution to ov	tion from building mi I met via greywater/r Total net wa mprovement on base Total net Wa Default bu mponent performanc www.credits achieved terall building score	ainwater sources ster consumption line performance ter Consumption uilding occupancy				
ndard approach data Water Consumpi Water demand Ir / Performance Indicator - use of freshwater resource ernative approach data Overall microco Total BREEA Total BREEAM innovati	tion from building mi I met via greywater/r Total net wa nprovement on base Total net Wa Default bu mponent performand MM credits achieved erall building score on credits achieved	ainwater sources atter consumption line performance ter Consumption uilding occupancy ce level achieved 3 2.63% 0				
ndard approach data Water Consumpi Water demand Ir Performance Indicator - use of freshwater resource ernative approach data Overall microco Total BREEA Total BREEAM innovati	tion from building mi I met via greywater/r Total net wa mprovement on base Total net Wa Default bu mponent performanc www.credits achieved terall building score	ainwater sources atter consumption line performance ter Consumption uilding occupancy ce level achieved 3 2.63% 0				
ndard approach data Water Consumpi Water demand Ir / Performance Indicator - use of freshwater resource ernative approach data Overall microco Total BREEA Total Gontribution to ov Total BREEAM innovati Minimu	tion from building mi I met via greywater/r Total net wa nprovement on base Total net Wa Default bu mponent performand MM credits achieved erall building score on credits achieved	ainwater sources atter consumption line performance ter Consumption uilding occupancy ce level achieved 3 2.63% 0				
ndard approach data Water Consumpi Water demand Ir y Performance Indicator - use of freshwater resource ernative approach data Overall microco Total BREEA Total BREEAM innovati	tion from building mi I met via greywater/r Total net wa nprovement on base Total net Wa Default bu mponent performand MM credits achieved erall building score on credits achieved	ainwater sources atter consumption line performance ter Consumption uilding occupancy ce level achieved 3 2.63% 0				
ndard approach data Water Consumpi Water demand Ir y Performance Indicator - use of freshwater resource ernative approach data Overall microco Total BREEAM innovati Minimu	tion from building mi I met via greywater/r Total net wa nprovement on base Total net Wa Default bu mponent performand MM credits achieved erall building score on credits achieved	ainwater sources atter consumption line performance ter Consumption uilding occupancy ce level achieved 3 2.63% 0				
ndard approach data Water Consumpi Water demand Ir y Performance Indicator - use of freshwater resource ernative approach data Overall microco Total BREEAM innovati Minimu	tion from building mi I met via greywater/r Total net wa nprovement on base Total net Wa Default bu mponent performand MM credits achieved erall building score on credits achieved	ainwater sources atter consumption line performance ter Consumption uilding occupancy ce level achieved 3 2.63% 0				
ndard approach data Water Consumpi Water demand Ir Performance Indicator - use of freshwater resource ernative approach data Overall microco Total BREEA Total Contribution to ov Total BREEAM innovati Minimu	tion from building mi I met via greywater/r Total net wa nprovement on base Total net Wa Default bu mponent performand MM credits achieved erall building score on credits achieved	ainwater sources atter consumption line performance ter Consumption uilding occupancy ce level achieved 3 2.63% 0				
ndard approach data Water Consumpi Water demand Ir Performance Indicator - use of freshwater resource ernative approach data Overall microco Total BREEA Total Contribution to ov Total BREEAM innovati Minimu	tion from building mi I met via greywater/r Total net wa nprovement on base Total net Wa Default bu mponent performand MM credits achieved erall building score on credits achieved	ainwater sources atter consumption line performance ter Consumption uilding occupancy ce level achieved 3 2.63% 0				

erall score 0.88% applicable Yes achieved
applicable Yes
chieved
erall score 1.75%
applicable No
chieved
L
l
l
l
l
l

				Assessment iss	ue not applic
No. of BREEAM credits available	N/A		Available contrib	oution to overall score	N/A
No. of BREEAM innovation credits available	N/A		Minimum	n standards applicable	N/A
essment Criteria		Compliant?	Credits available	Credits achieved	
Has a meaningful reduction in unregulated water deman	d been achieved?				
Total BREEAM credits achieved Total contribution to overall building score					
Total BREEAM innovation credits achieved	N/A N/A				
Minimum standard(s) level					
	.4				
mments/notes:					
ATERIALS					
t 01 Life Cycle Impacts					
Command No. 11.11					
No. of BREEAM credits available				oution to overall score	5.79%
No. of BREEAM innovation credits available	3		Minimum	n standards applicable	No
How do you wish to assess the number of BREEAM credits to be achieved	for this issue?	Define the numb	er of Mat 01 credits	achieved	
essment Criteria					
Predicted total Mat0	1 credits achieved	2]		
	01 points achieved		-		
Number of building (
Green Guide exemplar	v level compliant?				
Green Guide exemplar Has IMPACT compliant sof					
				Assa of also and	
		Total area of		Area of element	
Has IMPACT compliant sof	tware been used?	Total area of	Total impact	impact data	
	tware been used?	Total area of element m ²	Total impact kgCO ₂ eq.		
Has IMPACT compliant sof	rtware been used? nt External walls			impact data	
Has IMPACT compliant sof	tware been used?			impact data	
Has IMPACT compliant sof	itware been used? Int External walls Windows Roof floor construction			impact data	
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper	nt External walls Windows Roof floor construction Internal wall			impact data	
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper	nt External walls Windows Roof floor construction Internal wall finishes/coverings	element m ²		impact data	
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi	nt External walls Windows Roof floor construction Internal wall finishes/coverings ng (assessed elemen	element m ²	kgCO ₂ eq.	impact data	
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildin Total embodied green house gas emissions for building (by as	nt External walls Windows Roof floor construction internal wall finishes/coverings ing (assessed elements)	element m ²		impact data	kgCO ₂ eq./m
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi	nt External walls Windows Roof floor construction internal wall finishes/coverings ing (assessed elements)	element m ²	kgCO ₂ eq.	impact data	kgCO₂ eq./mˈ
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildin Total embodied green house gas emissions for building fly a Proportion of applicable building elements that dat	nt External walls Windows floor construction Internal wall finishes/coverings ing (assessed elements) a reported covers	element m ²	kgCO ₂ eq.	impact data	kgCO ₂ eq./m [†]
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildin Total embodied green house gas emissions for building (by as Proportion of applicable building elements that dat Total BREEAM credits achieved	nt External walls Windows Roof floor construction Internal wall finishes/coverings ng (assessed elements) a reported covers	element m ²	kgCO ₂ eq.	impact data	kgCO₂ eq./mi
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for buildi Proportion of applicable building elements that dat Total BREEAM credits achieved Total contribution to overall building score	nt External walls Windows Roof floor construction Internal wall inishes/coverings ng (assessed elements) a reported covers 2 1.93%	element m ²	kgCO ₂ eq.	impact data	kgCO₂ eq./m¹
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for building Total embodied green house gas emissions for building loy as Proportion of applicable building elements that dat Total BREEAM credits achieved Total BREEAM innovation credits achieved	nt External walls Windows Roof floor construction Internal walls finishes/coverings ng (assessed elements) a reported covers 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO ₂ eq./m [†]
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for buildi Proportion of applicable building elements that dat Total BREEAM credits achieved Total contribution to overall building score	nt External walls Windows Roof floor construction Internal wall finishes/coverings ng (assessed elements) a reported covers 2 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO₂ eq./mˈ
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for building Total embodied green house gas emissions for building loy as Proportion of applicable building elements that dat Total BREEAM credits achieved Total BREEAM innovation credits achieved	nt External walls Windows Roof floor construction Internal walls finishes/coverings ng (assessed elements) a reported covers 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO2 eq./m [:]
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for buildi Total embodied green house gas emissions for building floy as Proportion of applicable building elements that dat Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	nt External walls Windows Roof floor construction Internal walls finishes/coverings ng (assessed elements) a reported covers 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO2 eq./m [†]
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for buildi Total embodied green house gas emissions for building floy as Proportion of applicable building elements that dat Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	nt External walls Windows Roof floor construction Internal walls finishes/coverings ng (assessed elements) a reported covers 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO₂ eq./m
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for buildi Total embodied green house gas emissions for building floy as Proportion of applicable building elements that dat Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	nt External walls Windows Roof floor construction Internal walls finishes/coverings ng (assessed elements) a reported covers 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO₂ eq./m
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for buildi Total embodied green house gas emissions for building floy as Proportion of applicable building elements that dat Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	nt External walls Windows Roof floor construction Internal walls finishes/coverings ng (assessed elements) a reported covers 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO₂ eq./mi
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for buildi Total embodied green house gas emissions for building floy as Proportion of applicable building elements that dat Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	nt External walls Windows Roof floor construction Internal walls finishes/coverings ng (assessed elements) a reported covers 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO₂ eq./m¹
Has IMPACT compliant sof / Performance Indicator - embodied green house gas emissions by eleme Upper Floor / Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for buildi Total embodied green house gas emissions for building floy as Proportion of applicable building elements that dat Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	nt External walls Windows Roof floor construction Internal walls finishes/coverings ng (assessed elements) a reported covers 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO₂ eq./m
Has IMPACT compliant sof Performance Indicator - embodied green house gas emissions by eleme Upper Floor Performance Indicator - embodied green house gas emissions for buildi Total embodied green house gas emissions for buildi Total embodied green house gas emissions for building floy as Proportion of applicable building elements that dat Total BREEAM credits achieved Total BREEAM innovation credits achieved Minimum standard(s) level	nt External walls Windows Roof floor construction Internal walls finishes/coverings ng (assessed elements) a reported covers 1.93% 0	element m ²	kgCO ₂ eq.	impact data	kgCO2 eq./m

No. of BREEAM credits available 1 No. of BREEAM innovation credits available 0		Accellate a sectolis	Non-to-month orange	
No. of RREEAM innovation credits available		Available contrib	ution to overall score	0.96%
NO. OF BREEAVE INTOVALION CIEUTS AVAILABLE		Minimum	standards applicable	No
assembly Criteria	Compliant?	Cradita available	Credits achieved	
essment Criteria Il ≥80% of all external hard landscaping and boundary protection achieve a Green Guide		Credits available	Credits achieved	
or A+ ratir	Yes	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				
nments/notes:				
t O3 Responsible Sourcing				
				2000
t 03 Responsible Sourcing No. of BREEAM credits available 4			ution to overall score	3.86%
			ution to overall score standards applicable	3.86% Yes
No. of BREEAM credits available 4	_			
No. of BREEAM credits available 4 No. of BREEAM innovation credits available 1	Compliant			
No. of BREEAM credits available 4 No. of BREEAM innovation credits available 1 essment Criteria All timber and timber based products are 'Legally harvested and trader timb	r' Yes	Minimum Credits available	standards applicable Credits achieved	
No. of BREEAM credits available 4 No. of BREEAM innovation credits available 1 assment Criteria All timber and timber based products are 'Legally harvested and trader timb is there a documented sustainable procurement pla	r' Yes Yes	Minimum Credits available	credits achieved	
No. of BREEAM credits available 4 No. of BREEAM innovation credits available 1 assment Criteria All timber and timber based products are 'Legally harvested and trader timber	r' Yes Yes	Minimum Credits available	standards applicable Credits achieved	
No. of BREEAM credits available 4 No. of BREEAM innovation credits available 1 assment Criteria All timber and timber based products are 'Legally harvested and trader timb is there a documented sustainable procurement pla	r' Yes 1? Yes d 36.00%	Minimum Credits available	credits achieved	
No. of BREEAM credits available No. of BREEAM innovation credits available 1 assment Criteria All timber and timber based products are 'Legally harvested and trader timb Is there a documented sustainable procurement pla Percentage of available responsible sourcing of materials points achiev Please confirm the route used to assess Materials	r' Yes 1? Yes d 36.00%	Minimum Credits available	credits achieved	
No. of BREEAM credits available No. of BREEAM innovation credits available 1 assment Criteria All timber and timber based products are 'Legally harvested and trader timber based products are 'Legally harvested and trader timber based procurement play 1 sthere a documented sustainable procurement play 2 Percentage of available responsible sourcing of materials points achieved Please confirm the route used to assess Mat Total BREEAM credits achieved 3	r' Yes 1? Yes d 36.00%	Minimum Credits available	credits achieved	
No. of BREEAM credits available No. of BREEAM innovation credits available 1 assment Criteria All timber and timber based products are 'Legally harvested and trader timb Is there a documented sustainable procurement pla Percentage of available responsible sourcing of materials points achiev Please confirm the route used to assess Mat	r' Yes 1? Yes d 36.00%	Minimum Credits available	credits achieved	

	No. of BREEAM credits available	1		Available contribu	tion to overall score	0.96%
	No. of BREEAM innovation credits available	0		Minimum	standards applicable	No
sessment Criteria	with a trade of the Mathematical and a second	Line and a single day of	2.50	Credits available	Credits achieved	Makes As Secretary
	What is the building's targeted	insulating index?	2.50	1	1	Note: An insulat
	Total BREEAM credits achieved					
	Total contribution to overall building score	0.96%				
	Total BREEAM innovation credits achieved Minimum standard(s) level	N/A N/A				
	iviiiiiiiuiii stailualu(s) ievel	NA				
omments/notes:						
at 05 Designing for dura	ability and resilience					
it os sesigning for dan						
	No. of BREEAM credits available	1			ition to overall score	0.96%
	No. of BREEAM innovation credits available	0		Minimum s	standards applicable	N/A
sessment Criteria			Compliant?	Credits available	Credits achieved	
/ill suitable durability/pi	rotection measures be specified and installed to vu	ulnerable areas of the building?	Yes			
Will suitable durability	/protection measures be specified and installed to			1	1	
		the building?	Yes			
	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				
mments/notes:						
mmentsy notes.						
at 06 Material efficienc	V					
at 06 Material efficienc						
at 06 Material efficienc	No. of BREEAM credits available	1			ition to overall score	0.96%
at 06 Material efficienc		1 0			ition to overall score	0.96% No
	No. of BREEAM credits available			Minimum s	standards applicable	
sessment Criteria	No. of BREEAM credits available No. of BREEAM innovation credits available	0	Compliant?	Minimum s	standards applicable Credits achieved	
sessment Criteria	No. of BREEAM credits available	0	Compliant? Yes	Minimum s	standards applicable	
sessment Criteria	No. of BREEAM credits available No. of BREEAM innovation credits available	0		Minimum s	standards applicable Credits achieved	
sessment Criteria	No. of BREEAM credits available No. of BREEAM innovation credits available ency measures be identified & implemented durin	0 ig all RIBA stages?		Minimum s	standards applicable Credits achieved	

Minimum standard(s) level

Comments/notes:



WASTE Wst 01 Construction Waste Management	
No. of BREEAM credits available	Available contribution to overall score 4.25%
No. of BREEAM innovation credits available 1	Minimum standards applicable Yes
How do you wish to assess the number of BREEAM credits to be achieved for this issue?	Define a target number of BREEAM credits
Select the number of BREEAM credits being targeted for issue Wst 01:	1 BREEAM Wst01 Innovation credits: 0
Assessment Criteria	Compliant?
Construction resource management plan	
Demolition Taking Place on Site?	
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	Please Select Unit
Non-hazardous construction waste (excluding demolition/excavation) Total non-hazardous construction waste generated	Please Select Unit NA Please Select Unit Note: At the pre-assessment stage this
Non-hazardous non-demolition const. waste diverted from landfill	% Note: At the pre-assessment stage this % Note: At this stage this will be a target l
Total non-hazardous non-demolition const. waste diverted from landfill	INA Please Select Unit Note: At the pre-assessment stage this
Total non-hazardous demolition waste generated	Please Select Unit Note: At this stage this will be a target I
Non-hazardous demolition waste diverted from landfill	% Note: At this stage this will be a target I
Total non-hazardous demolition waste to disposal	INA Please Select Unit Note: At the pre-assessment stage this
Material for reuse	Please Select Unit Note: At this stage this will be a target I
Material for recycling	Please Select Unit Note: At this stage this will be a target I
Material for energy recovery	Please Select Unit Note: At this stage this will be a target I
Hazardous waste to disposal	Please Select Unit Note: At this stage this will be a target I
Total BREEAM credits achieved 1	
Total contribution to overall building score 1.06%	
Total BREEAM innovation credits achieved 0	
Minimum standard(s) level Outstanding level	
iviiniinum standard(s) lever Outstanding lever	
Comments/notes:	

No. of BREEAM credits available	1		Available contribution to overall score	1.06%
No. of BREEAM innovation credits available	1		Minimum standards applicable	No
essment Criteria		Total		
What is the target total % of high-grade aggregate that will be re-	cycled/secondary	0%		
	aggregate?	U%		
of high-grade aggregate that is recycled/secondary aggregate - by applica			_	
Bitumen/hydraulically bound base, binder an	Structural frame			
	lding foundations			
Concr	ete road surfaces			
Granul	Pipe bedding ar fill and capping			
Total BREEAM credits achieved	0			
Total contribution to overall building score Total BREEAM innovation credits achieved	0.00%			
i otal BREEAW Innovation credits achieved Minimum standard(s) level	0 N/A			
William at a lad a (3) rever	IV/A			
mments/notes:				
t 03 Operational Waste				
No. of BREEAM credits available	1		Available contribution to overall score	
No. of BREEAM innovation credits available	0		Minimum standards applicable	1.06%
				1.06% Yes
essment Criteria		Compliant?	Credits available	
essment Criteria Will operational recyclable waste volumes be segreg	ated and stored?	Compliant?	Credits available Credits achieved	
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh	ere appropriate?			
Will operational recyclable waste volumes be segreg	ere appropriate?			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh	ere appropriate?			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh	ere appropriate? ere appropriate?			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved	ere appropriate? ere appropriate?			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total contribution to overall building score	ere appropriate? ere appropriate? 0 0.00%			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total Contribution to overall building score Total BREEAM innovation credits achieved	ere appropriate? ere appropriate? 0 0.00% N/A			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total Contribution to overall building score	ere appropriate? ere appropriate? 0 0.00% N/A			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ere appropriate? ere appropriate? 0 0.00% N/A			
Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved	ere appropriate? ere appropriate? 0 0.00% N/A			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ere appropriate? ere appropriate? 0 0.00% N/A			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ere appropriate? ere appropriate? 0 0.00% N/A			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ere appropriate? ere appropriate? 0 0.00% N/A			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ere appropriate? ere appropriate? 0 0.00% N/A			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ere appropriate? ere appropriate? 0 0.00% N/A			
Will operational recyclable waste volumes be segreg Will static waste compactor(s) or baler(s) be specified wh Will vessel(s) for composting suitable organic waste wh Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Minimum standard(s) level	ere appropriate? ere appropriate? 0 0.00% N/A			

	No. of BREEAM credits available	N/A		Available contribu	ition to overall score	N/A
	No. of BREEAM innovation credits available	N/A		Minimum	standards applicable	N/A
ssment Criteria			Compliant?	Credits available	Credits 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				
ments/notes:						
05 Adaption to climate ch	ange					
	No. of BREEAM credits available	1			ition to overall score	1.06%
	No. of BREEAM innovation credits available	1		Minimum	standards applicable	N/A
compant Critoria			Compliant	Cradita available	Candita ashiowad	
ssment Criteria Will a climate change ada	otation strategy appraisal for structural and fab	nric resilience he	Compliant?	Credits available	Credits achieved	
	ted by the end of Concept Design (RIBA Stage 2		No	1	0	
Will exemplary level	criteria – Responding to adaptation to climate	change be met?	No	1	0	
	Total BREEAM credits achieved	0				
	Total contribution to overall building score	0.00%				
	Total BREEAM innovation credits achieved Minimum standard(s) level	0 N/A				
	miniman standard(s) ic ver	14/1				
iments/notes:						
06 Functional adaptability	ı					
	No. of BREEAM credits available	1		Available contribu	ution to overall score	1.06%
	No. of BREEAM innovation credits available	0			standards applicable	N/A
ssment Criteria			Compliant?	Credits available	Credits achieved	
Will a building enocific fun	ctional adaptation strategy appraisal be condu					
will a bulluling specific rull	ge 2 or equivalent) and will functional adaptati	ion measures be implemented?	No	1	0	
		- implemented?				
		_ ·				
	Total BREEAM credits achieved	0				
	Total contribution to overall building score	0				
		0				



LAND USE & ECOLOGY					
LE 01 Site Selection					
No. of BREEAM credits available	2		Available contribu	ution to overall score	2.00%
No. of BREEAM innovation credits available	0			standards applicable	No
Assessment Criteria		Compliant?	Credits available	Credits achieved	
Will at least 75% of the proposed development's footprint be located on pre	eviously occupied				
	land?	No	1	0	
Is the site deemed to be significant	ly contaminated?	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:					
Geotechincal survey does not show any contamination.		-			

Building Performance by Assessment Issue 05/12/2017 Section 3 - Page 23

BREEAM®

	No. of BREEAM credits available	2		Available contrib	ution to overall score	2.00%
	No. of BREEAM innovation credits available	0			standards applicable	No
	Ecological value of the lar	nd defined using	A Suitably Qualifi	ed Ecologist		
Assessment Criteria			Compliant?	Credits available	Credits achieved	
	he construction zone be defined as 'land of low ec		No	1	0	
Will all features of eco	logical value surrounding the construction zone/si	protected?	Yes	1	1	
		protected:				
	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				
ments/notes:						
	impact					
	Impact No. of BREEAM credits available	2		Available contrib	ution to overall score	2.00%
		2 0			ution to overall score standards applicable	2.00% Yes
	No. of BREEAM credits available					
	No. of BREEAM credits available	0	Suitably Qualifiec	Minimum	standards applicable	
	No. of BREEAM credits available No. of BREEAM innovation credits available	0	Suitably Qualified	Minimum	standards applicable	
.E 03 Mitigating Ecological	No. of BREEAM credits available No. of BREEAM innovation credits available Data sourced for calculating the change in ecolo	0 igical value from	, .	Minimum I Ecologist site surve	standards applicable ey of plant species	Yes
.E 03 Mitigating Ecological	No. of BREEAM credits available No. of BREEAM innovation credits available	0 igical value from	, .	Minimum	standards applicable ey of plant species	
LE 03 Mitigating Ecological Assessment Criteria What is the like	No. of BREEAM credits available No. of BREEAM innovation credits available Data sourced for calculating the change in ecolo	0 igical value from	, .	Minimum I Ecologist site surve	standards applicable ey of plant species	Yes

Building Performance by Assessment Issue 05/12/2017 Section 3 - Page 24

BRFFAM®

LE 04 Enhancing Site Ecology No. of BREEAM credits available Available contribution to overall score 2.00% Credits achieved Assessment Criteria Credits available Will a suitably qualified ecologist be appointed to report on enhancing and protecting sit What is the targeted/intended improvement in ecological value as a result of enhancement ≥6 species (large positive change) Plant species richr Total BREEAM credits achieved 2 Total contribution to overall building score 2.00% Total BREEAM innovation credits achieved N/A N/A LE 05 Long Term Impact on Biodiversity Available contribution to overall score No. of BREEAM credits available 2.00% No. of BREEAM innovation credits available Assessment Criteria Compliant? Credits available Credits achieved Will a Suitably Qualified Ecologist be appointed to monitor/minimise impacts of site activities Yes 2 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? Yes Number of applicable measures to improve biodiversity confirmed by SQE: Number of applicable measures implemented: Total BREEAM credits achieved Total contribution to overall building score 2.00% Total BREEAM innovation credits achieved N/A Minimum standard(s) level N/A Comments/notes:

POLLUTION		
ol 01 Impact of Refrigerants		
No. of BREEAM credits available	Available contribution to overall score	2.31%
No. of BREEAM innovation credits available 0	Minimum standards applicable	No
ssessment Criteria	Credits available Credits achieved	
Refrigerant containing systems installed in the assessed building?	Yes 2 0	
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 lot	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? Cooling/Heating capacity of the system	kgCO2eq/kW coolth capacity	
Will a refrigerant leak detection and containment system be specified/installed?	Yes 1 1	
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		
ol 02 NO _x Emissions		
No. of BREEAM credits available 3	Available contribution to overall score	2.31%
No. of BREEAM innovation credits available 0	Minimum standards applicable	No
ssessment Criteria		
NOx emission level - space heating	mg/kWh	
NOx emission level - cooling NOx emission level - water heating	mg/kWh mg/kWh	
Does this building meet BREEAM's definition of a highly insulated building?	-	
Energy consumption: heating and hot water	kWh/m2 yr	
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		
omments/notes:		
omments/notes.		

10.00%

Available contribution to overall score

POI 03	surrace	water	Run on		
				No. of E	BRE

No. of BREEAM credits available	5	Available contribution to overall score	3.85%
No. of BREEAM innovation credits available	0	Minimum standards applicable	No

Assessment Criteria	Compliant?	Credits available	Credits achieved
What is the actual/likely annual probability of flooding for the assessed site?	Low	2	2
Will a Flood Risk Assessment be undertaken?	Yes	2	2
Will the site meet the BREEAM criteria for peak rate surface water run off?	Yes	1	1
Will the site meet the criteria for surface water run off volume, attenuation and/or limiting discharge?	Yes	1	1
Will the site be designed to minimise watercourse pollution in accordance with the BREEAM criteria?	Yes	1	1

Total BREEAM credits achieved	5
Total contribution to overall building score	3.85%
Total BREEAM innovation credits achieved	N/A
Minimum standard(s) level	N/A

	Minimum standard(s) level	N/A
Comments/notes:		

Pol 04 Reduction of Night Time Light Pollution

No. of BREEAM credits available	1	Available contribution to overall score	0.77%
No. of BREEAM innovation credits available	0	Minimum standards applicable	No

Assessment Criteria		Compliant?	Credits available	Credits achieved
Will the external lighting specification be designed to reduce l	Will the external lighting specification be designed to reduce light pollution?			1
Total BREEAM credits achieved	1			
	0.770/			
Total contribution to overall building score	0.77%			
Total BREEAM innovation credits achieved	N/A			
Minimum standard(s) level	N/A			

	Minimum standard(s) level	N/A
Comments/notes:		

Pol 05 Noise Attenuation

No. of BREEAM innovation credits available No Minimum standards applicable No Compliant Credits available Credits available Credits achieved Ves 1 1 Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved M/A Minimum standards level No Minimum standards level No	No. of BREEAM credits available	1		Available contribu	ition to overall score	0.77%
Will there be noise-sensitive areas/buildings within 800m radius of the development? Will a noise impact assessment be carried out and, if applicable, noise attenuation measures specified? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Total BREEAM innovation credits achieved N/A	No. of BREEAM innovation credits available	0			No	
Will there be noise-sensitive areas/buildings within 800m radius of the development? Will a noise impact assessment be carried out and, if applicable, noise attenuation measures specified? Total BREEAM credits achieved Total contribution to overall building score Total BREEAM innovation credits achieved Total BREEAM innovation credits achieved N/A						
Will a noise impact assessment be carried out and, if applicable, noise attenuation measures specified? Total BREEAM credits achieved 1 Total contribution to overall building score 0.77% Total BREEAM innovation credits achieved N/A	ssessment Criteria		Compliant	Credits available	Credits achieved	
specified? Total BREEAM credits achieved 1 Total contribution to overall building score 0.77% Total BREEAM innovation credits achieved N/A	Will there be noise-sensitive areas/buildings within 800m radius of the	development?	Yes	1	1	
Total contribution to overall building score 0.77% Total BREEAM innovation credits achieved N/A	Will a noise impact assessment be carried out and, if applicable, noise attenua		Yes			
Total contribution to overall building score 0.77% Total BREEAM innovation credits achieved N/A		· ·		•		
Total BREEAM innovation credits achieved N/A	Total BREEAM credits achieved	1				
·	Total contribution to overall building score	0.77%				
Minimum standard(s) level N/A	Total BREEAM innovation credits achieved	N/A				
	Minimum standard(s) level	N/A				
	omments/notes:					
omments/notes:						

L			

INNOVATION

Inn 01 Innovation

Assessment Criteria		Compliant?	Credits available	Credits achieved
	Man 03 Responsible construction practices	No	1	0
	Man 05 Aftercare	Yes	1	1
	Hea 01 Visual Comfort	No	1	0
	Hea 02 Indoor Air Quality	No	2	0
	Ene 01 Reduction of energy use and carbon emissions	No	5	0
	Wat 01 Water Consumption	No	1	0
	Mat01 Life Cycle Impacts	No	3	0
	Mat03 Responsible Sourcing of Materials	No	1	0
	Wst01 Construction Waste Management	No	1	0
	Wst02 Recycled Aggregates	No	1	0
	Wst 05 Adaption to climate change	No	1	0

Total BREEAM innovation credits achieved	1
Total contribution to overall building score	1.00%
Minimum standard(s) level	N/A

Comments/notes: