

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1																
2		LBRUT Sustainable Construction Checklist - June 2020														
3		This document forms part of the Sustainable Construction Checklist SPD. This document must be filled out as part of the planning application for the following developments: all residential development providing one or more new residential units (including conversions leading to one or more new units) , and all other forms of development providing 100sqm or more of non-residential floor space . Developments including new non-residential development of less than 100sqm floor space, extensions less than 100sqm, and other conversions are strongly encouraged to comply with this checklist. Where further information is requested, please either fill in the relevant section, or refer to the document where this information may be found in detail, e.g. Flood Risk Assessment or similar. Further guidance on completing the Checklist may be found in the Justification and Guidance section of this SPD.														
4																
5		Property Name (if relevant):	King's House School					Application No. (if known):								
6																
7		Address (include, postcode)	68 Kings Rd, Richmond TW10 6ES													
8		Completed by:	Cundall.													
9																
10																
11		<i>For Non-Residential</i>						<i>For Residential</i>								
12		Size of development (m2)	955					Number of dwellings	0							
13																
14		1 MINIMUM COMPLIANCE (RESIDENTIAL AND NON-RESIDENTIAL)														
15																
16		Energy Assessment														
17		Has an energy assessment been submitted that demonstrates the expected energy and carbon dioxide emissions saving from energy efficiency and renewable energy measures, including the feasibility of CHP/CCHP and community heating systems? If yes, please select TRUE.											TRUE			
18																
19		Carbon Dioxide emissions reduction														
20																
21		What is the on site carbon dioxide emissions reduction against a Building Regulations Part L (2013) baseline											41.1 %			
22		<i>Policy LP 22 B. and Draft London Plan Policy 9.2.5 require a 35% onsite reduction in CO₂ emissions beyond Building Regulations 2013.</i>														
23																
24		What is the percentage reduction from efficiency measures alone											31.6 %			
25		<i>Policy LP 22 C. and Draft London Plan Policy 9.2.6 require a 10% onsite reduction in CO2 emissions beyond Building Regulations 2013 from efficiency measures for residential and 15% for non-residential.</i>														
26																
27		Percentage of total site CO2 emissions saved through renewable energy installation?											14.0 %			
28																
29		What is the total remaining carbon to be offset?											16.4 Tonne			
30		<i>Policy LP 22 B. and Draft London Plan Policy 9.2.4 require Major developments to achieve Zero Carbon after offsetting.</i>														
31																
32		Are remaining emissions going to be offset through offset fund payment in accordance with current guidelines issued for the cost per tonne of CO2?											FALSE			
33																
34		What is the total predicted cost of offset?											0 £			
35		<i>The London Plan sets this as £95/tonne per year over 30 years, this should be updated based on As Build calculations.</i>														
36																
37		1A MINIMUM POLICY COMPLIANCE (NON-RESIDENTIAL AND DOMESTIC REFURBISHMENT)														
38																
39		<i>Please check the Guidance Section of this SPD for the policy requirements</i>														
40																
41		Environmental Rating of development:														
42		Non-Residential new-build (100sqm or more)														
43		BREEAM Level	Excellent					Have you attached a pre-assessment to support this?					TRUE			
44		<i>Excellent required under Policy LP22 A 3</i>														
45		Extensions and conversions for residential dwellings														
46		BREEAM Domestic Refurbishment	Please Select					Have you attached a pre-assessment to support this?					FALSE			
47		<i>Excellent required under Policy LP22 A 4</i>														
48		Extensions and conversions for non-residential buildings														
49		BREEAM Level	Please Select					Have you attached a pre-assessment to support this?					FALSE			
50		<i>Excellent required under Policy LP 22</i>														
51																
52																
53		Score awarded for Environmental Rating:											Subtotal		8	
54		BREEAM: Good = 0, Very Good = 4, Excellent = 8, Outstanding = 16														
55																
56		1B MINIMUM POLICY COMPLIANCE (RESIDENTIAL)														
57																
58		Water Usage														
59		Internal water usage after gray/rainwater systems limited to 105 litres person per day. (Excluding an allowance 5 litres per person per day for external water consumption). Calculations using the water efficiency calculator for new dwellings have been submitted.											1		TRUE	
60		<i>110l/p/d Required for new dwellings under Policy LP22 A 2 105l/p/d required under Draft London Plan Policy S15</i>														
61																
62		Subtotal											1			
63																

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64																
65	2. ENERGY USE AND POLLUTION															
66	2.1 Need for Cooling												Score			
67	a.	How does the development incorporate cooling measures? Tick all that apply:														
68			Energy efficient design incorporating specific heat demand to less than or equal to 15 kWh/sqm										6	TRUE		
69			Reduce heat entering a building through providing/improving insulation and living roofs and walls										2	TRUE		
70			Reduce heat entering a building through shading										3	TRUE		
71			Exposed thermal mass and high ceilings										4	TRUE		
72			Passive ventilation										3	TRUE		
73			Mechanical ventilation with heat recovery										1	TRUE		
74			Active cooling systems, i.e. Air Conditioning Unit										0	TRUE		
75		See Draft London Plan S14														
76																
77	2.2 Heat Generation															
78	b.	How have the heating and cooling systems, with preference to the heating system hierarchy, been selected (defined in London Plan policy S13) Tick all heating and cooling systems that will be used in the development:													Score	
79			Connection to existing heating or cooling networks powered by renewable energy										6	FALSE		
80			Connection to existing heating or cooling networks powered by gas or electricity										5	FALSE		
81			Site wide CHP network powered by renewable energy										4	FALSE		
82			Site wide CHP network powered by gas										3	FALSE		
83			Communal heating and cooling powered by renewable energy										2	TRUE		
84			Communal heating and cooling powered by gas or electricity										1	TRUE		
85			Individual heating and cooling										0	FALSE		
86		See Draft London Plan S13														
87	2.3 Pollution: Air, Noise and Light															
88	a.	Does the development plan to implement reduction strategies for dust emissions from construction sites?													2	TRUE
89																
90	b.	Does the development plan to include a biomass boiler?														FALSE
91			If yes, please refer to the biomass guidelines for the Borough of Richmond, please see guidance for supplementary information. If the proposed boiler is of a qualifying size, you may need to complete the information request form found on the Richmond website.													
92																
93	c.	Has an air quality impact assessment been provided														FALSE
94			If yes, has 'Emissions Neutral' been achieved										1	FALSE		
95			If yes, have occupants of new development been protected from existing pollution										1	FALSE		
96			If no to any of the above are there any sensitive receptors as defined in Policy LP 10 present?										-1	FALSE		
97		see Policy LP 10														
98																
99	d.	Please tick only one option below														
100			Has the development taken measures to reduce existing noise and enhance the existing soundscape of the site?										3	FALSE		
101			Has the development taken care to not create any new noise generation/transmission issues in its intended operation?										1	TRUE		
102		see Policy LP 10														
103																
104	e.	Has the development taken measures to reduce light pollution impacts on character, residential amenity and biodiversity?													3	TRUE
105		see Policy LP 10														
106	f.	Have you attached a Lighting Pollution Report?													-	
107																
108																
109		Please give any additional relevant comments to the Energy Use and Pollution Section below													Subtotal	28
110																
111																
112																
113																
114																
115	3. TRANSPORT															
116	3.1 Provision for the safe efficient and sustainable movement of people and goods															
117	a.	Does your development provide opportunities for occupants to use innovative travel technologies?														TRUE
118																
119		Please explain:														
120		The school has Silver Level accreditation by the STARS (Sustainable Travel: Active, Responsible, Safe) programme. This is awarded for their achievements and commitment to road safety, reducing car use and working to increase the levels of walking, scooting, cycling and use of public transport for the journey to and from school. As part of their travel plan the school undertakes regular consultation with staff, students and parents, to identify any issues with transport to and from the school.														
121																
122																
123																
124																
125	b.	Does your development provide for 100% active provision for electric vehicle charging point(s) and have you successfully demonstrated that it would be able to operate satisfactorily in the future expectation of all vehicles being electrically powered?													2	FALSE
126																
127	c.	For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice Guidance?														FALSE
128			If you have provided a Transport Assessment as part of your planning application, please tick here and move to Section 3 of this Checklist.										5	FALSE		
129		See policy LP44														
130	d.	For smaller developments ONLY: Have you provided a Transport Statement?													5	TRUE
131																
132	e.	Does your development provide cycle storage? (Standard space requirements are set out in the Council's Parking Standards - Local Plan Appendix 3)													2	TRUE
133			If so, for how many bicycles?										18	TRUE		
134			Is this shown on the site plans?											TRUE		
135		See Local Plan Appendix 3														
136	f.	Will the development create or improve links with local and wider transport networks? If yes, please provide details.													2	FALSE
137																
138																
139		Please give any additional relevant comments to the Transport Section below													Subtotal	7
140																
141																
142																
143																
144																

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236															
237		7	ACCESSIBILITY												
238		7.1	Ensure flexible adaptable and long-term use of structures												
239		a.	If the development is residential, will it meet the requirements of the nationally described space standard for internal space and layout?										1		Please Select:
240			If the standards are not met, in the space below, please provide details of the functionality of the internal space and layout												
241															
242															
243															
244															
245		AND													
246		b.	If the development is residential, will it meet Building Regulation Requirement M4 (2) 'accessible and adaptable dwellings'?										2		FALSE
247			If this is not met, in the space below, please provide details of any accessibility measures included in the development.												
248															
249															
250															
251															
252															
253			For major residential developments, are 10% or more of the units in the development to Building Regulation Requirement										1		FALSE
254			M4 (3) 'wheelchair user dwellings'?												
255		OR													
256		c.	If the development is non-residential, does it comply with requirements included in Richmond's Local Plan LP1, LP28.B, LP30 & LP45										2		TRUE
257			Please provide details of the accessibility measures specified in the Local Plan that will be included in the development												
258															
259															
260															
261															
262															
263															
264															
265			Please give any additional relevant comments to the Design Standards and Accessibility Section below												
266															
267															
268															
269															
270															
271															
272															
273			LBRUT Sustainable Construction Checklist- Scoring Matrix for New Construction												
274															
275			Score	Rating	Significance										
276			84 or more	A+	Project strives to achieve highest standard in energy efficient sustainable development										
277			75-83	A	Makes a major contribution towards achieving sustainable development in Richmond										
278			56-74	B	Helps to significantly improve the Borough's stock of sustainable developments										
279			40-55	C	Minimal effort to increase sustainability beyond general compliance										
280			39 or less	FAIL	Does not comply with SPD Policy										
281			LBRUT Sustainable Construction Checklist- Scoring Matrix for New Construction												
282															
283			Score	Rating	Significance										
284			85 or more	A++	Project strives to achieve highest standard in energy efficient sustainable development										
285			68-84	A+	Project strives to achieve higher standard in energy efficient sustainable development										
286			59-67	A	Makes a major contribution towards achieving sustainable development in Richmond										
287			39-58	B	Helps to significantly improve the Borough's stock of sustainable developments										
288			24-38	C	Minimal effort to increase sustainability beyond general compliance										
289			23 or less	FAIL	Does not comply with SPD Policy										
290															
291															
292			Authorisation:												
293			I herewith declare that I have filled in this form to the best of my knowledge												
294															
295															
296															
297															

Subtotal 2

TOTAL 66.5

Signature

Date