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	Α	ВС	D I	E	l F l	G	Н	ı	J	K	T L	М	N	0
1														
2		LBRUT Sustainable C	Construction Checklis	t - June 2020										
3		development providing one or me residential floor space. Develop comply with this checklist. Where	ore new residential units (incluoments including new non-resider e further information is requested	ist SPD. This document must be iding conversions leading to one ntial development of less than 100s, please either fill in the relevant seacklist may be found in the Justifica	e or more n sqm floor sp ection, or refe	new un pace, e	nits), and all other forms of deve extensions less than 100sqm, ar the document where this informa	elopment nd other	providing conversior	100sqm on a strong	or more of non- ngly encouraged to			
4				-							with			
5 6		Property Name (if relevant):	King's House School				Application No. (if	known):						
7		Address (include. postcode)	68 Kings Rd, Richmond TW10 6	BES										
8		Completed by:												
9 10			Cundall.		1 1						ı			
11		For Non-Residential					For Residential							
12	-	Size of development (m2)	955				Number of dwellings	0						
13		4 MINIMUM COMPLIANC	CE (RESIDENTIAL AND NON-RE	ECIDENTIAL \										
14 15		1 MINIMUM COMPLIANC	E (RESIDENTIAL AND NON-RI	ESIDENTIAL)										
16	1	Energy Assessment									- Commonwealth Com	tana Canananaw		
17				trates the expected energy and cal				ncy and	and a second		TRUE			
18 19		renewable energy meas	ures, including the feasibility of C	HP/CCHP and community heating	g systems? I	If yes,	please select TRUE.					nanawana mana		
20		Carbon Dioxide emissions red	uction									and		
21				gainst a Building Regulations Part							41.1	%		
22		Policy LP 22 B. and Dra	aft London Plan Policy 9.2.5 requ	uire a 35% onsite reduction in CO) ₂ emission	s bey	ond Building Regulations 2013.							
23		What is the parameters	radiation from efficiency manage	·····							24.0	loz		
24			reduction from efficiency measur	es alone luire a 10% onsite reduction in CC)2 omigaion						31.6	70		
25		_		sures for residential and 15% for r										
26 27 28			CO2 emissions saved through re								14.0	%		
29		What is the total remain									16.4	Tonne		
30 31		Policy LP 22 B. and Dra	aft London Plan Policy 9.2.4 requ	uire Major developments to achiev	∕e Zero Carb	bon af	ter offsetting.					American		
32		Are remaining emission	s going to be offset through offse	et fund payment in accordance wi	ith current q	uidelir	nes issued for the cost per tonn	e of CO	2?		FALSE			
33				•			•							
34 35		What is the total predict		80 years, this should be updated b	accid on Ac	Duild	aalaulatiana				C	£		
36		THE LUNUUM FIAM SELS II	nis as £95/torine per year over 5	o years, triis sriould be updated b	aseu on As	Бини	Calculations.							
37		1A MINIMUM POLICY CO	MPLIANCE (NON-RESIDENTIAL	L AND DOMESTIC REFURBISHN	MENT)									
39			Please che	eck the Guidance Section of this	s SPD for th	he pol	icy requirements							
41		Environmental Rating of develo	opment:											
42		Non-Residential new-build (100so	-											
43		BREEAM Level	1 DOO 4 0	Excellent			Have you attached a pre-asses	sment to	support th	nis?				TRUE
44 45	ļ	Excellent required under Policy I Extensions and conversions for re			[
46		BREEAM Domestic Ref	urbishment	Please Select			Have you attached a pre-asses	sment to	support th	nis?				FALSE
47	\Box	Excellent required under Policy I												
48 49	╁╌┨	Extensions and conversions for n BREEAM Level	ion-residentiai buildings	Please Select			Have you attached a pre-asses	sment to	support th	nis?				FALSE
50		Excellent required under Policy	LP 22											
51										-				
52 53		Score awarded for Envir	ronmental Rating:								Subtota	ρ		
54		I I	Good = $\frac{0}{100}$, Very Good = 4, Excel	llent = 8, Outstanding = 16							Subtota	0		
55														
56		1B MINIMUM POLICY CO	MPLIANCE (RESIDENTIAL)		1 1						_			
57 58	$\left\{ -\right\}$	Water Usage									Score	-		
59			er gray/rainwater systems limited	to 105 litres person per day. (Excl	luding an allo	owand	e 5 litres per person per dav fo	r externa	al water					
60		consumption). Calculation	ons using the water efficiency cale	culator for new dwellings have bee	en submitted	ł.					1			TRUE
61		110l/p/d Required for ne	ew dwellings under Policy LP22	A 2 105l/p/d required under Draft	London Plar	n Polic	cy SI5				O.J.44-	4		
62 63	-										Subtota	1		
		1	1 - 1								1		<u> </u>	

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64	A B	С	D	E F	G	Н	l	J	K	L	M	N	0
65 66		RGY USE AND POLLUT	ΓΙΟΝ							Score	- Constant		
67	a.		nent incorporate	cooling measures? Tick all that apply:						000.0			
68			Energy efficier	nt design incorporating specific heat demand to less than or equ		· · · · · · · · · · · · · · · · · · ·				6			TRUE
69 70				Reduce heat entering a building through providing/improving in Reduce heat entering a building through shading	nsulation and li	ving roofs and walls				2	<u> </u>		TRUE TRUE
71				Exposed thermal mass and high ceilings						4	!		TRUE
72				Passive ventilation						3	}		TRUE
73 74				ntilation with heat recovery systems, i.e. Air Conditioning Unit	T					1)		TRUE TRUE
75		See Draft London Plan		Systems, i.e. 7 iii Goriano iii g Criit									INOL
76													
77	b.	Generation	and cooling eyet	ems, with preference to the heating system hierarchy, been sele	acted (defined	in London Plan policy S	I3) Tick	all heating	and				
78		cooling systems that wi	• .	• • • • • • • • • • • • • • • • • • • •	ected (defined	in London i lan policy 3	io) Tick	all Heathig	and	Score			
79 80				Connection to existing heating or cooling networks powered by						6			FALSE FALSE
81				Connection to existing heating or cooling networks powered by Site wide CHP network powered by renewable energy	y gas or electric	жу				4	!		FALSE
82				Site wide CHP network powered by gas						3	3		FALSE
83 84				Communal heating and cooling powered by renewable energy Communal heating and cooling powered by gas or electricity						2			TRUE TRUE
85				Individual heating and cooling						0)		FALSE
86	2 2 D-II	See Draft London Plan											
87 88	a.	ution: Air, Noise and Li Does the development		lnt reduction strategies for dust emissions from construction site	es?		I			2			TRUE
89													F41.05
90	b.	Does the development p		a biomass boiler? refer to the biomass guidelines for the Borough of Richmond, pla	ease see anida	ince for supplementary							FALSE
91			information. If	the proposed boiler is of a qualifying size, you may need to con	•		und on						
92		Hoo on air arrait	the Richmond	website.		-							FALOE
93 94	C.	Has an air quality impac		peen provided hissions Neutral' been achieved						1	1		FALSE FALSE
95			<u> </u>	cupants of new development been protected from existing pollu	ıtion					1	1		FALSE
96				If no to any of the above are there any sensitive receptors as of	defined in Polic	y LP 10 present?				-1			FALSE
97 98		see Policy LP 10											
99	d.	Please tick only one opt											
100 101				opment taken measures to reduce existing noise and enhance to opment taken care to not create any new noise generation/trans			ın?			3	3		FALSE TRUE
102		see Policy LP 10	Tractific develo	primerit tailori dare te riot didate any filoni filolog generation vitario		in ito intoridod oporatio				,			INGL
103 104		Has the development to	okon maaauraa	to reduce light pollution impacts on character, residential amenit	tu and hiadiyar	oity?							TRUE
105	е.	see Policy LP 10	akenmeasures	to reduce light polition impacts on character, residential amenic	ty and biodivers	Sity !)		IKUE
106	f.	Have you attached a Lig	ghting Pollution	Report?						-			
107 108										Subtota	1 28		
109	Please g	ive any additional releva	nt comments to	the Energy Use and Pollution Section below									
110 111													
112													
113			1		1 1								
114 115	3. TRAN	ISPORT											
116			eient and susta	inable movement of people and goods									
117	a.	Does your development	t provide opport	unities for occupants to use innovative travel technologies?									TRUE
118 119	Please e	explain:											
120	The	school has Silver Level		the STARS (Sustainable Travel: Active, Responsible, Safe) pr									
121 122	reduc	ing car use and working		levels of walking, scooting, cycling and use of public transport is ar consultation with staff, students and parents, to identify any is	•		•	neir travel	olan the scl	hool undertakes			
123			regula		COUCS WILL LIGH	loport to and from the S	J. 1001.						
124		Does vour development	t provide for 100)% active provision for electric vehicle charging point(s) and have	VA VOLL SUCCESS	fully demonstrated that	it would	he able to	onerato.	Score			
125	b.	•	•	f all vehicles being electrically powered?	ve you success	nany acmonstrated triat	it would	ne anie 10	operate	2			FALSE
126 127		-	_		based on Till	Post Prostice Ociden	202						
127	C.	i oi majoi uevelopme		a Transport Assessment been produced for your development ovided a Transport Assessment as part of your planning applica				this Checl	dist.	5	5		FALSE
129		See policy LP44											
130 131	d.	For smaller developm	i ents ONLY : Ha	ave you provided a Transport Statement?						5)		TRUE
132	e.	Does your development	t provide cycle s	torage? (Standard space requirements are set out in the Council	cil's Parking St	andards - Local Plan Ap	pendix 3	3)		2			TRUE
133				many bicycles?	_					18	3		TDUE
134 135		See Local Plan Append	3	on the site plans?									TRUE
136	f.			links with local and wider transport networks? If yes, please pr	ovide details.					2			FALSE
137										Cb4-4-	-		
138 139	Please	ive anv additional releva	int comments to	the Transport Section below						Subtota	·		
140		, series relieve					1			3			
141													
142 143													
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5 6	1	BIODIVERSITY									***************************************	
	4.1 Mir		iodiversity from	n new buildings, lighting, hard surfacing and peop	ple							
_	a.			s of an ecological feature or habitat, including a loss of	•	othe	r green space? (Indicate if yes)		 	-2)	Please Se
			If so, please st	ate how much in sqm?							sqm	
		D	<u> </u>	and of any transfer (a) (In disease if year)								TDI
	b.	Does your developmen		noval of any tree(s)? (Indicate if yes) e report been provided in support of your application?	2 (Indicate i	f vec)						TRU
			11 30, 1143 4 116	e report been provided in support or your application:	: (IIIdicate I	i yes)						INO
1	C.	Does your developmen	t plan to add (an	nd not remove) any tree(s) on site? (Indicate if yes)							***	FALS
	d.	Please indicate which f		abitats that your development will incorporate to impr	_	biodi				Water		
_				or extensive native planting	6		Area provided:			220	sqm	FALS TRU
;)			An extensive g		5		Area provided: Area provided:			330	sqm sqm	FALS
			Garden space	·	4		Area provided:			230	sqm	TRU
				/e and/or wildlife friendly planting to peripheral areas	3		Area provided:				sqm	TRU
2			Additional plan	ting to peripheral areas	2		Area provided:				sqm	TRU
			A living wall		2		Area provided:			21	sqm	TRU
			Bat boxes		0.5							TRU
			Bird boxes		0.5							TRU
			Swift boxes Other		0.5							TRU FALS
			Othor		0.0					000		I ALC
)												
	e.			% of available roof plate as green/brown roof						1		FALS
:		Policy LP 17 requires	70%								•	
		-h		the Distinguity Court II.						Subtota	17.5	
	Please	give any additional releva	ant comments to	the Biodiversity Section below							•	
											ļ	
-												
;												
)												
	5	FLOODING AND DRA									1	
				pacts of climate change in the borough								FALS
: ;	a.	is your site located in a		zone (Zone 3)? (Indicate if yes) mitted a Flood Risk Assessment? (Indicate if yes)						-2		TRU
			l lave you subi	initied a Flood Nisk Assessment: (indicate if yes)								INO
;	b.	Which of the following	measures of the	drainage hierarchy are incorporated onto your site? ((tick all that	apply	/)					
;			Store rainwate	r for later use						5		FALS
<u> </u>				on techniques such as porous surfacing materials to	allow drain	age o	n-site			3		FALS
				water in ponds or open water features						4		FALS
				r in tanks for gradual release to a watercourse						3		FALS FALS
				water directly to watercourse water to surface water drain								FALS
2				water to surface water drain						0		TRU
3				mitted a Drainage Statement (Indicate if yes)								TRU
ŀ		See Policy LP 21 and										
5	C.			eable surfacing which will result from your developme	ent proposa					-345	sqm	
<u>;</u>		Please provide details of	of the permeable	surfacing below			please represent a loss in permeable	area as	s a negative number			
	Dloose	give any additional relays	ant comments to	the Flooding and Drainage Section below						Subtota	0	
	riease	give arry additional releva	ant comments to	the Flooding and Drainage Section below								
2			<u>. </u>	N/A								
		IMPROVING RECOUR								***		
	6 6 1 Red	IMPROVING RESOUR		:Y posed of by landfill though increasing level of re-	use and -	acvol	ing					
-	a.			prior to construction? [Points will only be awarded if				cycled1		1		TRU
•			7 2 2 2 2 2 2		9'			,1		,	***	7.1.0
			If so, what per	centage of demolition waste will be reused in the new	developme	ent?				0	%	
	_		What percenta	age of demolition waste will be recycled?						80	_ %	
2											9	
-	b.	Does your site have an	v contaminated	land?						1		FALS
		,	•	nitted an assessment of the site contamination?						2		FALS
			-	ace to remediate the contamination?						2		FALS
			Have you subr	nitted a remediation plan?						1		FALS
			Are plans in pla	ace to include composting on site?						1		FALS
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1									
	C.	Will a waste managem	ent plan and faci	ilities be in place in line with Policy LP24						Yes		
)	6 2 Re	ducing levels of water v	vaste								***************************************	
)	a.			lenservation be incorporated into the development? (PI	lease tick a	ll that	apply):					
)		renewing mode		refficient taps, shower heads etc		ide	-1 F.7/-			1		TRU
)				fficient A or B rated appliances						1		TRU
)			Rainwater harv	vesting for internal use						4	!	FALS
			Greywater sys							4	-	FALS
						_	1			1		TRU
			Fit a water met	ter						- '		TIC
				ter						0-1-1-1		
	Disco	givo cov addistant	Fit a water met	ter the Improving Resource Efficiency Section below						Subtota	3	

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236	Α	В	С	D	E	F	G	Н	I	J	ĸ	<u>L</u>	M	N	0
237	7	7	ACCESSIBILITY									none.			
238	7	7.1	Ensure flexible adapta	able and long-	term use of structures										
239	á	a.	If the development is		lit meet the requirements of the nationally described spa			- 1				1			Please Select:
240				If the standard	Is are not met, in the space below, please provide details	of the f	functi	ionality of the internal space and la	ayout						
241 242							-								
243							-								
244							1								
245	1	AND													
246	k	b.	If the development is		lit meet Building Regulation Requirement M4 (2) 'access							2			FALSE
247				If this is not m	et, in the space below, please provide details of any acce	ssibility	/ mea	asures included in the developmen	nt.	Washington Co.		Water			
248 249							-								
250							1								
251							-								
252															
253					dential developments, are 10% or more of the units in the	e develo	opme	nt to Building Regulation Requirer	nent			1			FALSE
254 255		OR		IVI4 (3) 'Wheeld	chair user dwellings'?		1								
256			If the development is	non-residentia	II, does it comply with requirements included in Richmond	d's Long	al Pla	n P1 P28 B P30 & P45				2		+	TRUE
257		- .			., according war requirements included in rabilition		aı ı 10	1, L1 L0.D, L1 00 Q L1 70							THOE
258				Please provide	e details of the accessibility measures specified in the Loc	cal Plan	that	will be included in the developme	nt						
259															
260							-								
261							-							-	
262 263															
264												Subtotal	2		
265	F	Please n	ive any additional releva	nt comments to	the Design Standards and Accessibility Section below							Jubiotal			
266		i loado g	ivo arry additional rolova	in commone to	o the Beergh Standards and Accessionity Section Below										
267															
268															
269						1 1	1					Tr.			
270												annum or a second			
272															
273	LBR	RUT Sus	tainable Construction	Checklist- Sco	oring Matrix for New Construction	(Non-	-Resi	idential and domestic refurb)				TOTAL	66.5		
274			Score	Rating	Significance										
275			84 or more	A+	Project strives to achieve highest standard in energy ef			•							
276 277			75-83 56-74	A B	Makes a major contribution towards achieving sustainal Helps to significantly improve the Borough's stock of su										
278			40-55	С	Minimal effort to increase sustainability beyond general			•							
279			39 or less	FAIL	Does not comply with SPD Policy	Johnhile	J. 100								
280	\vdash		·			-						The state of the s			
281	LBR	RUT Sus	tainable Construction	Checklist- Sco	oring Matrix for New Construction	Resid	dentia	al new-build							
282			Score	Rating	Significance	1									
283			85 or more	A++	Project strives to achieve highest standard in energy ef	ficient s	sustai	inable development							
284			68-84	A+	Project strives to achieve higher standard in energy effi			<u> </u>						+	
285			59-67	A	Makes a major contribution towards achieving sustainal			•							
286			39-58	В	Helps to significantly improve the Borough's stock of su							The second secon			
287			24-38	С				•							
288			24-38 23 or less	FAIL	Minimal effort to increase sustainability beyond general Does not comply with SPD Policy	compila	ance					Service of the servic			
	\vdash		20 UI 1699	I AIL	Poco not compty with or D Folicy							and the second s			
280												-			
289															
292		horisatio				1						The state of the s			
292 293			th declare that I have file	led in this form	to the best of my knowledge									+	
292 293 294				led in this form	to the best of my knowledge	Ciar	ot: :=			Dete					
292 293 294 295				led in this form	to the best of my knowledge	Sign	ature	e		Date					
292 293 294				ed in this form	to the best of my knowledge	Sign	ature	e		Date					