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	LBRU	T Sustainable Cor	nstruction (	Checklist - January 2016									Ш		
	This das		-t-:bl- Ct-	coding Charletist CDD. This decomposition of the filled and as a			nine andication for the fellowing d			.:	-1				
	providing	one or more new reside	ntial units (inclu	uding conversions leading to one or more new units), and	all oth	er forn	ns of development providing 100sq	ım or mo	ore of non-	residential	floor				
	space. D checklist.	Developments including ner . Where further information	w non-residential i is requested, pl	I development of less than 100sqm floor space, extensions lese ease either fill in the relevant section, or refer to the documen	ss than t where	100sc this in	m, and other conversions are stror formation may be found in detail, of	ngly enco	ouraged to d Risk Asse	comply with essment or s	this similar.				
	Further	guidance on completing the	e Checklist may	be found in the Justification and Guidance section of this SPI	D.		•	_					Н		
	Property	Name (if relevant):	Land to rear of 1	1-7 Campbell Close			Application No. (if	known):	16/2815/0	DUT			H		
				·			,,						_		
		(include. postcode)											_		
	Complete	ed by.	rietcher Crane /	ACCINECTS									1	i	
		-Residential levelopment (m2)	135m2 (approx)				Number of dwellings	1					H		
			Tuckenham Tiv2 3822												
	1	MINIMUM COMPLIANCE	(RESIDENTIAL	. AND NON-RESIDENTIAL)											
	Energy A	Assessment			to DOP. The document must be fined and a part of the glassing application for the Notice glassing process of the control of th										
		Has an energy assessme	nt been submitte	d that demonstrates the expected energy and carbon dioxide	to comment must be titled out as part of the planning agrication for the following developments all enablements (Colomo and other Consumptions) are strongly encouraged to comply with the planning of the pla										
		measures, including the fe	easibility of CHP/	CCHP and community heating systems? If yes, please tick.									Н		
		Dioxide emissions reduc													
							1.5						H		
		Policy DM SD 1 and Lond	ion Pian Policy 5	.2 (2015) require a 35% reduction in CO <sub>2</sub> emissions beyond E	Sullaing	Regu	lations 2013.						Н		
		Percentage of total site C	O2 emissions sa	aved through renewable energy installation?											
	1A	MINIMUM POLICY COM	DI IANCE (NON-	PESIDENTIAL AND DOMESTIC PEFIDRISHMENT)											
	10	IMPRIMONT OFFICE COM	LIANOL (NON-		£ 46 -				1						
				Please check the Guidance Section of this SPD	ior the	pone	y requirements								
_		mental Rating of develop			Intelligence of a characteristic process of the content of the con										
		BREEAM Level		Please Select			Have you attached a pre-assessm	nent to su	upport this?	>		N/A			
	Extension	ns and conversions for res		5											
-		BREEAM Domestic Refur ons and conversions for nor					nave you attached a pre-assessm	ent to su	upport this?				$\vdash$		
		BREEAM Level					Have you attached a pre-assessm	nent to su	upport this?	>					
_	$\vdash$					<u> </u>							H	1	
		Score awarded for Enviro	nmental Rating:								Subtotal	0			
		BREEAM:		Good = 4, Excellent = 8, Outstanding = 16											
	1B	MINIMUM POLICY COM	DI IANCE (DECU	DENTIAL)											
			-JANGE (RESI	ZENTIAL)											
	Water Us	1											H		
		Internal water usage limite	ed to 105 litres po	erson per day. (Excluding an allowance 5 litres per person per bmitted	er day f	or exte	ernal water consumption). Calculation	ons usin	g the water	efficiency	1		Н		
		odiodidtor for flow dwolling	go nave been ea	Similar.							·				
											Subtotal	0	Н		
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	2. ENER	GY USE AND POLLUTIO	N			_									
		d for Cooling									Score		H		
	a.	now does the developme	Energy efficient	design incorporating specific heat demand to less than or equ	ual to 1	5 kWh	/sqm				6				
					insulati	ion an	d living roofs and walls						H		
_															
				Exposed thermal mass and high ceilings											
				Passive ventilation											
			Mechanical ven	Passive ventilation tilation with heat recovery					1	1	1				
			Mechanical ven	Passive ventilation tilation with heat recovery							1				
	2 2 Hoat		Mechanical ven	Passive ventilation tilation with heat recovery							1				
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		Generation	Mechanical ven Active cooling s	Passive ventilation titlation with heat recovery stems, i.e. Air Conditioning Unit	by rene	ewable	energy	heating	and cooling	g systems	0				
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	f.	Will the development crea	ate or improve link	ks with local and wider transport networks? If yes, please pro	vide de	tails.					2				
											Subtotal	2			
	Please	give any additional relevant	comments to the	Transport Section below											
	4	BIODIVERSITY		h Million Baldina handa dada anda anda											
				w buildings, lighting, hard surfacing and people			2 (Indicate if)				-2				
Н	a.			an ecological feature or habitat, including a loss of garden or te how much in sqm?	rotner	green	space? (Indicate if yes)				-2	sqm	$\vdash$		
Н			ii su, piease stat	e now much in squire								Sqiii	$\vdash$		
	b.	Does your development in	nvolve the remova	al of any tree(s)? (Indicate if yes)							-				
			If so, has a tree	report been provided in support of your application? (Indicate	if yes)						-				
	C.	Does your development p	lan to add (and n	ot remove) any tree(s) on site? (Indicate if yes)							-				
		Discourse to the first			111.0								-		
	d.			tats that your development will incorporate to improve on site		ersity:	Area provided:				10	sqm	$\vdash$		
			An extensive gre	or extensive native planting	5		Area provided:				10	sqm			
			An intensive gre		4		Area provided:					sqm			
			Garden space	0111001	4		Area provided:				4000				
			Additional native	and/or wildlife friendly planting to peripheral areas	3		Area provided:				3000				
			Additional plantii	ng to peripheral areas	2		Area provided:					sqm			
			A living wall		2		Area provided:					sqm			
			Bat boxes		0.5								-		
			Bird boxes Other		0.5 0.5										
			Other		0.5						Subtotal	20	Н		
Н	Please	give any additional relevant	comments to the	Riodiversity Section below							Subtotai	20	$\vdash$		
	1 10000	give any additional relevant	CONTINUENCE TO THE	Bloartonly Coulon Bolon											
	_	EL CODINO AND DO	ACE	<u> </u>										-	
5.1	Mitjaati	FLOODING AND DRAIN	nd other impacts	of climate change in the borough										+	
	a.			e (Zone 3)? (Indicate if yes)							-2				
				tted a Flood Risk Assessment? (Indicate if yes)							-				
				, , , ,											
	b.	Which of the following me	asures of the dra	inage hierarchy are incorporated onto your site? (tick all that	apply)										
			Store rainwater t	for later use		Щ					5				
Н				n techniques such as porous surfacing materials to allow drain	nage or	n-site					3		$\vdash$	+	
Н			Store reinwater	ater in ponds or open water features in tanks for gradual release to a watercourse							3		$\vdash$		
			Discharge rainw	ater directly to watercourse							2				
				ater to surface water drain							1				
				ater to combined sewer							0				
	C.	Please give the change in	area of permeat	ole surfacing which will result from your development proposa	al:							sqm	-		
Н		Please provide details of t	tne permeable su	Irracing below			please represent a loss in permeable ar	ea as a ne	gative numbi	er	0.14.4.1	- 40	Н		
	Diagra	nive any additional relevant	comments to the	Flooding and Drainage Section below							Subtotal	10	$\vdash$		
	1 loade	give any additional relevant	COMMITTED TO THE	Trooting and Dramage Section below	_										
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Sustainable Construction	Checklist- Scoring	Matrix for New Construction (	Non-R	esidential and domestic refurb)		TOTAL		81+		$\forall$
Score	Rating	Significance								
80 or more	A+	Project strives to achieve highest standard in energy efficient	sustain	able development						
71-79	A	Makes a major contribution towards achieving sustainable dev	velopm	ent in Richmond						
51-70	В	Helps to significantly improve the Borough's stock of sustainal	ble dev	elopments						
36-50	С	Minimal effort to increase sustainability beyond general compl	liance							
35 or less	FAIL	Does not comply with SPD Policy								
					Ī					
Sustainable Construction	Checklist- Scoring	Matrix for New Construction	Reside	ntial new-build						П
Score	Rating	Significance								
81 or more	A++	Project strives to achieve highest standard in energy efficient	sustain	able development						
64-80	A+	Project strives to achieve highest standard in energy efficient	sustain	able development						
55-63	A	Makes a major contribution towards achieving sustainable dev	velopm	ent in Richmond						
35-54	В	Helps to significantly improve the Borough's stock of sustainal	ble dev	elopments						
20-34	С	Minimal effort to increase sustainability beyond general compl	liance							
19 or less	FAIL	Does not comply with SPD Policy								
sation:										
ewith declare that I have fi	led in this form to the	e best of my knowledge at this outline planning application stag	je							
				Fletcher Crane Architects						
			Signa	ture Toby Fletcher		Date 22.07.2017	,			
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