LBRUT Sustainable Construction Checklist - January 2016

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.

Property Name (if relevant):	Tech Hub	Application No. (if known):	
Address (include. postcode) Completed by:	Richmond upon Thames College, Egerton Rd, Twickenham TW2 7SL		
For Non-Residential Size of development (m2)	1700	For Residential Number of dwellings	
1 MINIMUM COMPLIAN	ICE (RESIDENTIAL AND NON-RESIDENTIAL)		
	ment been submitted that demonstrates the expected energy and carb ssures, including the feasibility of CHP/CCHP and community heating s		✓
	duction xide emissions reduction against a Building Regulations Part L (2013) I ondon Plan Policy 5.2 (2015) require a 35% reduction in CO ₂ emissions		40%
· ·	e CO2 emissions saved through renewable energy installation?		17.90%
1A MINIMUM POLICY CO	OMPLIANCE (NON-RESIDENTIAL AND DOMESTIC REFURBISHMEN		
Environmental Bating of days	Please check the Guidance Section of this Sh	PD for the policy requirements	
Environmental Rating of deve Non-Residential new-build (100: BREEAM Level Extensions and conversions for BREEAM Domestic Re Extensions and conversions for BREEAM Level	residential dwellings furbishment Please Select	Have you attached a pre-assessment to support this? Have you attached a pre-assessment to support this? Have you attached a pre-assessment to support this?	Ø
Score awarded for Env BREEAM:	vironmental Rating: Good = 0, Very Good = 4, Excellent = 8, Outstanding = 16 DMPLIANCE (RESIDENTIAL)		Subtotal 8
18 WIINIWUW POLICY CO	MIPLIANCE (RESIDENTIAL)		
	mited to 105 litres person per day. (Excluding an allowance 5 litres per ator for new dwellings have been submitted.	person per day for external water consumption). Calculations using the	y 1 Subtotal 1

	Need for Cooling	Score
	How does the development incorporate cooling measures? Tick all that apply:	
	Energy efficient design incorporating specific heat demand to less than or equal to 15 kWh/sqm Reduce heat entering a building through providng/improving insulation and living roofs and walls	□ 6 □ 2
	Reduce heat entering a building through shading	□ 2 ☑ 3
	Exposed thermal mass and high ceilings	▼ 3 ▼ 4
	Passive ventilation	□ 3
	Mechanical ventilation with heat recovery	✓ 1
	Active cooling systems, i.e. Air Conditioning Unit	▽ 0
Н	leat Generation	
	How have the heating and cooling systems, with preference to the heating system hierarchy, been selected (defined in London Plan policy 5.6)? Tick all heating and cooling systems that will be used in the development:	
	Connection to existing heating or cooling networks powered by renewable energy	□ 6
	Connection to existing heating or cooling networks powered by gas or electricity	□ 5
	Site wide CHP network powered by renewable energy Site wide CHP network powered by gas	□ <i>4</i> □ <i>3</i>
	Site wide Crin Telework powered by gas Communal heating and cooling powered by renewable energy	
	Communal heating and cooling powered by gas or electricity	
	Individual heating and cooling	✓ 0
P	Pollution: Air, Noise and Light Does the development plan to implement reduction strategies for dust emissions from construction sites?	√ 2
	Does the development plan include a biomass boiler?	-
	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 completed the information request form found	
	on the Richmond website.	
	Please tick only one option below	
	Has the development taken measures to reduce existing noise and enhance the existing soundscape of the site?	□ 3
	Has the development taken care to not create any new noise generation/transmission issues in its intended operation?	√ 1
	Has the development taken measures to reduce light pollution impacts on character, residential amenity and biodiversity?	√ 3
	Have you attached a Lighting Pollution Report?	
	i lave you attached a Lighting Politition Report?	
		□ - Subtotal □
leas	se give any additional relevant comments to the Energy Use and Pollution Section below	_
TR	se give any additional relevant comments to the Energy Use and Pollution Section below RANSPORT Provision for the safe efficient and sustainable movement of people and goods	_
TR 1 P	se give any additional relevant comments to the Energy Use and Pollution Section below RANSPORT Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies?	_
. TR	se give any additional relevant comments to the Energy Use and Pollution Section below RANSPORT Provision for the safe efficient and sustainable movement of people and goods	_
TR 1 P	se give any additional relevant comments to the Energy Use and Pollution Section below **CANSPORT** Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? se explain:	_
TR 1 P	se give any additional relevant comments to the Energy Use and Pollution Section below **CANSPORT** Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? se explain:	_
TR 1 P	se give any additional relevant comments to the Energy Use and Pollution Section below RANSPORT Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? se explain: nimum of 15 cycle spaces with secured bike lockers and showers will be provided.	Subtotal
TR 1 P	se give any additional relevant comments to the Energy Use and Pollution Section below RANSPORT Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? se explain: nimum of 15 cycle spaces with secured bike lockers and showers will be provided. Does your development include charging point(s) for electric cars?	Subtotal
TR 1 P eas	se give any additional relevant comments to the Energy Use and Pollution Section below RANSPORT Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? se explain: nimum of 15 cycle spaces with secured bike lockers and showers will be provided. Does your development include charging point(s) for electric cars? For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice Guidance?	Subtotal 2
TR I P	RANSPORT Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? se explain: nimum of 15 cycle spaces with secured bike lockers and showers will be provided. Does your development include charging point(s) for electric cars? For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice Guidance? If you have provided a Transport Assessment as part of your planning application, please tick here and move to Section 3 of this Checklist. For smaller developments ONLY: Have you provided a Transport Statement? Does your development provide cycle storage? (Standard space requirements are set out in the the Council's Parking Standards - DM DPD Appendix 4)	Subtotal 2 2 5
TR 1 P	RANSPORT Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? see explain: nimum of 15 cycle spaces with secured bike lockers and showers will be provided. Does your development include charging point(s) for electric cars? For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice Guidance? If you have provided a Transport Assessment as part of your planning application, please tick here and move to Section 3 of this Checklist. For smaller developments ONLY: Have you provided a Transport Statement?	Subtotal
TR 1 P eas	SANSPORT Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? See explain: Does your development include charging point(s) for electric cars? For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice Guidance? If you have provided a Transport Assessment as part of your planning application, please tick here and move to Section 3 of this Checklist. For smaller developments ONLY: Have you provided a Transport Statement? Does your development provide cycle storage? (Standard space requirements are set out in the the Council's Parking Standards - DM DPD Appendix 4) If so, for how many bicycles?	Subtotal
TR 1 P	SANSPORT Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? See explain: Inimum of 15 cycle spaces with secured bike lockers and showers will be provided. Does your development include charging point(s) for electric cars? For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice Guidance? If you have provided a Transport Assessment as part of your planning application, please tick here and move to Section 3 of this Checklist. For smaller developments ONLY: Have you provided a Transport Statement? Does your development provide cycle storage? (Standard space requirements are set out in the the Council's Parking Standards - DM DPD Appendix 4) If so, for how many bicycles? Is this shown on the site plans?	Subtotal
TR.1P	SANSPORT Provision for the safe efficient and sustainable movement of people and goods Does your development provide opportunities for occupants to use innovative travel technologies? See explain: Inimum of 15 cycle spaces with secured bike lockers and showers will be provided. Does your development include charging point(s) for electric cars? For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice Guidance? If you have provided a Transport Assessment as part of your planning application, please tick here and move to Section 3 of this Checklist. For smaller developments ONLY: Have you provided a Transport Statement? Does your development provide cycle storage? (Standard space requirements are set out in the the Council's Parking Standards - DM DPD Appendix 4) If so, for how many bicycles? Is this shown on the site plans?	Subtotal

	Does your developmen	t involve the loss of an ecological feature or habitat, including a loss If so, please state how much in sqm?	or garden or other green	space: (maicate ii yes)		□-2 sqm
	Does your developmen	t involve the removal of any tree(s)? (Indicate if yes)				
		If so, has a tree report been provided in support of your application?	(Indicate if yes)			- - -
	,	t plan to add (and not remove) any tree(s) on site? (Indicate if yes)				
	Please indicate which f	eatures and/or habitats that your development will incorporate to imp Pond, reedbed or extensive native planting	rove on site biodiversity: 6	Area provided:		sgm
		An extensive green roof	5 ✓	Area provided:	600	sqm
		An intensive green roof	4 🗆	Area provided:		sqm
		Garden space	4 🗆	Area provided:		sqm
		Additional native and/or wildlife friendly planting to peripheral areas Additional planting to peripheral areas	3 ☑ 2 ☑	Area provided: Area provided:		sqm sqm
		A living wall	2 🗆	Area provided:		sqm
		Bat boxes	0.5	·	•	
		Bird boxes	0.5 □ 0.5 □			
		Other	0.5			Subtotal
		ant comments to the Biodiversity Section below planted as part of the development,				
		ew trees are shown on the soft landscape				
	g 10743.PLN.400.	·				
tiaa	FLOODING AND DRA	INAGE g and other impacts of climate change in the borough				
uya		high flood risk zone (Zone 3)? (Indicate if yes)				□-2
	,	Have you submitted a Flood Risk Assessment? (Indicate if yes)				☑ -
	140 · 1 · 60 · 60 · ·		(e. l. 11. 11. 11. 11. 11. 11. 11. 11. 11.			
	Which of the following i	neasures of the drainage hierarchy are incorporated onto your site? Store rainwater for later use	(tick all that apply)			□ 5
		Use of infiltration techniques such as porous surfacing materials to	allow drainage on-site			☑ 3
		Attenuate rainwater in ponds or open water features	g			□ 4
		Store rainwater in tanks for gradual release to a watercourse				□ 3
		Discharge rainwater directly to watercourse				□ <u>2</u>
		Discharge rainwater to surface water drain Discharge rainwater to combined sewer				▽ 1 □ 0
		Discharge raniwater to combined sewer				□ ∪
		e in area of permeable surfacing which will result from your developm	ent proposal:		-451.21	sqm
		e in area of permeable surfacing which will result from your developm of the permeable surfacing below		present a loss in permeable area		
ease	Please provide details	of the permeable surfacing below		oresent a loss in permeable area		sqm Subtotal
ease	Please provide details			present a loss in permeable area		
ease	Please provide details	of the permeable surfacing below		oresent a loss in permeable area		
ease	Please provide details	of the permeable surfacing below		oresent a loss in permeable area		
	Please provide details a give any additional releving the second of the	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY	please rep	oresent a loss in permeable area		
	Please provide details give any additional relevements IMPROVING RESOUR duce waste generated a	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY and amount disposed of by landfill though increasing level of re-	please rep		a as a negative number	Subtotal
	Please provide details give any additional relevements IMPROVING RESOUR duce waste generated a	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY amount disposed of by landfill though increasing level of re- ired on your site prior to construction? [Points will only be awarded if	please rep use and recycling 10% or greater of demoli		a as a negative number	Subtotal
	Please provide details give any additional relevements IMPROVING RESOUR duce waste generated a	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY and amount disposed of by landfill though increasing level of re-	please rep use and recycling 10% or greater of demoli		a as a negative number	Subtotal
	Please provide details give any additional relevements IMPROVING RESOUR duce waste generated a	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY amount disposed of by landfill though increasing level of re- ired on your site prior to construction? [Points will only be awarded if	please rep use and recycling 10% or greater of demoli		a as a negative number	Subtotal
	Please provide details give any additional relevements IMPROVING RESOUR duce waste generated a	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Indiamount disposed of by landfill though increasing level of re- ired on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled?	please rep use and recycling 10% or greater of demoli		a as a negative number	Subtotal
	Please provide details give any additional relevant plants of the province resource duce waste generated a Will demolition be required.	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Indiamount disposed of by landfill though increasing level of re- ired on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled?	please rep use and recycling 10% or greater of demoli		a as a negative number	Subtotal
	Please provide details give any additional relevant plants of the province resource duce waste generated a Will demolition be required.	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Ind amount disposed of by landfill though increasing level of re- red on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? y contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination?	please rep use and recycling 10% or greater of demoli		a as a negative number	Subtotal 2 1 % 2 1
	Please provide details give any additional relevant plants of the province resource duce waste generated a Will demolition be required.	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Ind amount disposed of by landfill though increasing level of re- ired on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? y contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination? Have you submitted a remediation plan?	please rep use and recycling 10% or greater of demoli		a as a negative number	Subtotal
	Please provide details give any additional relevant plants of the province resource duce waste generated a Will demolition be required.	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Ind amount disposed of by landfill though increasing level of re- red on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? y contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination?	please rep use and recycling 10% or greater of demoli		a as a negative number	Subtotal
I Re	Please provide details a give any additional relevant and additional relevant	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Indiamount disposed of by landfill though increasing level of refered on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? Ye contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination? Have you submitted a remediation plan? Are plans in place to include composting on site?	use and recycling 10% or greater of demoli		a as a negative number	Subtotal
1 Re	Please provide details a give any additional relevant and additional relevant	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY and amount disposed of by landfill though increasing level of re- tired on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? y contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination? Have you submitted a remediation plan? Are plans in place to include composting on site? vaste ures of water conservation be incorporated into the development? (P	use and recycling 10% or greater of demoli		a as a negative number	Subtotal
I Re	Please provide details a give any additional relevant and additional relevant	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Ind amount disposed of by landfill though increasing level of re- red on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? y contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination? Have you submitted a remediation plan? Are plans in place to include composting on site? waste ures of water conservation be incorporated into the development? (P Fritting of water efficient taps, shower heads etc	use and recycling 10% or greater of demoli		a as a negative number	Subtotal
I Re	Please provide details a give any additional relevant and additional relevant	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Indiamount disposed of by landfill though increasing level of refered on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? You contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination? Have you submitted a remediation plan? Are plans in place to include composting on site? Waste Ures of water conservation be incorporated into the development? (P Fitting of water efficient A or B rated appliances	use and recycling 10% or greater of demoli		a as a negative number	Subtotal
I Re	Please provide details a give any additional relevant and additional relevant	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY and amount disposed of by landfill though increasing level of retered on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? y contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination? Have you submitted a remediation plan? Are plans in place to include composting on site? vaste ures of water conservation be incorporated into the development? (P Fitting of water efficient taps, shower heads etc Use of water efficient A or B rated appliances Rainwater harvesting for internal use	use and recycling 10% or greater of demoli		a as a negative number	Subtotal
I Re	Please provide details a give any additional relevant and additional relevant	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Indiamount disposed of by landfill though increasing level of refered on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? You contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination? Have you submitted a remediation plan? Are plans in place to include composting on site? Waste Ures of water conservation be incorporated into the development? (P Fitting of water efficient A or B rated appliances	use and recycling 10% or greater of demoli		a as a negative number	Subtotal
I Re	Please provide details a give any additional relevant and additional relevant	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Ind amount disposed of by landfill though increasing level of re- red on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? y contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination? Have you submitted a remediation plan? Are plans in place to include composting on site? waste ures of water conservation be incorporated into the development? (P Fitting of water efficient A or B rated appliances Rainwater harvesting for internal use Greywater systems	use and recycling 10% or greater of demoli		a as a negative number	Subtotal
I Re	Please provide details give any additional relevant and additional relevant an	of the permeable surfacing below ant comments to the Flooding and Drainage Section below CE EFFICIENCY Ind amount disposed of by landfill though increasing level of re- red on your site prior to construction? [Points will only be awarded if If so, what percentage of demolition waste will be reused in the new What percentage of demolition waste will be recycled? y contaminated land? Have you submitted an assessment of the site contamination? Are plans in place to remediate the contamination? Have you submitted a remediation plan? Are plans in place to include composting on site? waste ures of water conservation be incorporated into the development? (P Fitting of water efficient A or B rated appliances Rainwater harvesting for internal use Greywater systems	use and recycling 10% or greater of demoli		a as a negative number	Subtotal

	ACCESSIBILITY			
'.1			-term use of structures	-
а.	if the development is		ill it meet the requirements of the nationally described space standard for internal space and layout? "ds are not met, in the space below, please provide details of the functionality of the internal space and layout	□ 1
		ir the standar	ds are not met, in the space below, please provide details of the functionality of the internal space and layout	
AND				
b.	If the development is		rill it meet Building Regulation Requirement M4 (2) 'accessible and adaptable dwellings'?	□ 2
		If this is not r	net, in the space below, please provide details of any accessibility measures included in the development.	
		For major res	sidential developments, are 10% or more of the units in the development to Building Regulation Requirement	□ 1
			Ichair user dwellings'?	_ :
OR		(-,	·	
C.	If the development is	non-resident	ial, does it comply with requirements included in Richmond's Design for Maximum Access SPG	☑ 2
			de details of the accessibility measures specified in the Maximum Access SPG that will be included in the	
		development	<u></u>	
				Subtotal
Please	give any additional rele	vant comments	to the Design Standards and Accessibility Section below	Subtotal
Please	give any additional rele	vant comments	to the Design Standards and Accessibility Section below	Subtotal
			to the Design Standards and Accessibility Section below coring Matrix for New Construction (Non-Residential and domestic refurb) Significance	Subtotal
	stainable Constructio	n Checklist- Se	coring Matrix for New Construction (Non-Residential and domestic refurb)	
	stainable Construction Score 80 or more 71-79	n Checklist- So Rating A+ A	coring Matrix for New Construction (Non-Residential and domestic refurb) Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond	
	stainable Construction Score 80 or more 71-79 51-70	n Checklist- So Rating A+ A B	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments	
	Stainable Construction Score 80 or more 71-79 51-70 36-50	n Checklist- S: Rating A+ A B C	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance	
	stainable Construction Score 80 or more 71-79 51-70	n Checklist- So Rating A+ A B	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments	
RUT Su	Stainable Construction Score 80 or more 71-70 51-70 36-50 35 or less	n Checklist- Sc Rating A+ A B C FAIL	coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy	
RUT Su	stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less stainable Construction	n Checklist- Sc Rating A+ A B C FAIL	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy Coring Matrix for New Construction Residential new-build	
RUT Su	stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less stainable Construction	n Checklist-Si Rating A+ A B C FAIL n Checklist-Si Rating	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance	
RUT Su	stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less stainable Construction Score 81 or more	n Checklist-Sc Rating A+ A B C FAIL Checklist-Sc Rating A++	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development	
RUT Su	stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less stainable Construction	n Checklist- St Rating A+ A B C FAIL n Checklist- St Rating A++ A+	Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development Project strives to achieve highest standard in energy efficient sustainable development	
RUT Su	stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less stainable Construction Score 81 or more	n Checklist-Sc Rating A+ A B C FAIL Checklist-Sc Rating A++	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development	
RUT Su	Stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less Stainable Construction Score 81 or more 64-80	n Checklist- St Rating A+ A B C FAIL n Checklist- St Rating A++ A+	Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development Project strives to achieve highest standard in energy efficient sustainable development	
RUT Su	Stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less	n Checklist-Sc Rating A+ B C C FAIL n Checklist-Sc Rating A++ A+ B	coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments	
RUT Su	Stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less	n Checklist-So Rating A+ A B C FAIL n Checklist-So Rating A++ A+ A+ B C	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance	
RUT Su	Stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less	n Checklist-Sc Rating A+ B C C FAIL n Checklist-Sc Rating A++ A+ B	coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments	
RUT Su	Stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less Stainable Construction Score 81 or more 64-80 55-63 35-54 20-34 19 or less	n Checklist-So Rating A+ A B C FAIL n Checklist-So Rating A++ A+ A+ B C	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance	
RUT Su	Stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less	n Checklist-St Rating A+ A B C FAIL Checklist-St Rating A++ A+ A B C FAIL Checklist-St	coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy	
RUT Su	Stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less	n Checklist-St Rating A+ A B C FAIL Checklist-St Rating A++ A+ A B C FAIL Checklist-St	Coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance	
RUT Su	Stainable Construction Score 80 or more 71-79 51-70 36-50 35 or less	n Checklist-St Rating A+ A B C FAIL Checklist-St Rating A++ A+ A B C FAIL Checklist-St	coring Matrix for New Construction Significance Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy coring Matrix for New Construction Residential new-build Significance Project strives to achieve highest standard in energy efficient sustainable development Project strives to achieve highest standard in energy efficient sustainable development Makes a major contribution towards achieving sustainable development in Richmond Helps to significantly improve the Borough's stock of sustainable developments Minimal effort to increase sustainability beyond general compliance Does not comply with SPD Policy	