

This design draft submission provides evidence towards compliance with Part L of the Building Regulations, in accordance with Appendix A of AD L1A. It has been carried out using Approved SAP software. It has been prepared from plans and specifications and may not reflect the 'as built' property. This report covers only items included within the SAP and is not a complete report of regulations compliance.

sessor name	Mr Philip French	Ass Ass			687		
ent	La			Last modified	ast modified 29/03/2013		
ldress	Flat 6, 210 Kingston Re	oad, Teddington, TW	11 9JF				
Check	Evidence			Produc	ced by	OK?	
Criterion 1: predicted carb	on dioxide emission f	rom proposed dwelli	ng does not exceed the	target			
TER (kg CO ₂ /m ² .a)	Fuel = Mains Fuel factor = TER = 17.77	-		Author	rised SAP Assessor		
DER for dwelling as design $CO_2/m^2.a$)	ed (kg DER = -5.79	DER = -5.79			Authorised SAP Assessor		
Are emissions from dwelli designed less than or equa target?	-	FER 17.77		Author	rised SAP Assessor	Passed	
Criterion 2: the performan	ce of the building fab	ric and the heating, h	ot water and fixed light	ing systems should be no wo	orse than the desigr	n limits	
Fabric U-values							
Are all U-values better tha design limits in Table 2?	n the Element Wall Party wall Floor Roof Openings	Weighted average 0.17 (max 0.30) 0.00 (max 0.20) (no floor) 0.13 (max 0.20) 1.20 (max 2.00)	ge Highest 0.21 (max 0.70) N/A 0.18 (max 0.35) 1.20 (max 3.30)	Author	rised SAP Assessor	Passed	
Thermal bridging							
How has the loss from the bridges been calculated?	rmal Thermal brid junction	ging calculated from	linear thermal transmit	tances for each Author	rised SAP Assessor		
Heating and hot water sys	stems						
Does the efficiency of the systems meet the minimu set out in the Domestic He Compliance Guide?	m value Mains gas, C eating Fontecal Cor Efficiency = S	lue Mains gas, Combi boiler from database			rised SAP Assessor	Passed	
	Secondary h	eating system: None					
Does the insulation of the water cylinder meet the st set out in the Domestic He Compliance Guide?	andards	r cylinder		Author	rised SAP Assessor		
Do controls meet the mini controls provision set out Domestic Heating Complia Guide?	in the Time and ter	nperature zone contr	rol	Author	rised SAP Assessor	Passed	
	No hot wate						

Check	Evidence	Produced by	OK?
Fixed internal lighting			
Does fixed internal lighting comply with paragraphs 42 to 44?	Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 7 Percentage of low energy lights = 100 % Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	priate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant Overheating risk (July) = Medium Overheating risk (August) = Medium Region = Thames Thermal mass parameter = 100.00 Ventilation rate in hot weather = 3.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.00 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following walls/wall have a U-value less than 0.2W/m ² K: • Wall 1 (0.16) • Wall 3 (0.00) The following roofs/roof have a U-value less than 0.13W/m ² K: • Roof 1 (0.12) The following openings have a U-value less than 1.5W/m ² K: • Window reference 1 (1.20) • Window reference 2 (1.20) • Window reference 3 (1.20) • Window reference 5 (1.20) • Rooflight reference 6 (1.20) Design air permeability of 3 m ³ /(h.m ²) is less than 5 m ³ /(h.m ²) at 50 Pa Use of the following low carbon or renewable technologies: • Photovoltaic array	Authorised SAP Assessor	