L1A 2013 - Regulations Compliance Report

Design - Final



This design final submission provides evidence towards compliance with Part L of the Building Regulations, in accordance with Appendix C of AD L1A. It has been carried out by an On-Construction Domestic Energy Assessor and can be accepted for Building Control purposes without further checking. 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.

Assessor name	Mr Alex Taylor	Assessor number	3571
Client	Bellway Homes Ltd	Last modified	31/05/2019
Address	Kings Grove Plot 70 Banbury Road, Lighthorne Heath, Leamington, CV33 9TU		

Address Kings Gi	Tove Flot 70 Ballbury Road, Lighthorne Heath, Leannington, CVSS 910		
Check	Evidence	Produced by	ок?
Criterion 1: predicted carbon diox	kide emission from proposed dwelling does not exceed the target		
TER (kg CO ₂ /m ² .a)	Fuel = N/A Fuel factor = 1.00 TER = 16.60	Authorised SAP Assessor	
DER for dwelling as designed (kg CO ₂ /m ² .a)	DER = 15.09	Authorised SAP Assessor	
Are emissions from dwelling as designed less than or equal to the target?	DER 15.09 < TER 16.60	Authorised SAP Assessor	Passed
Is the fabric energy efficiency of the dwellling as designed less that or equal to the target?	DFEE 38.0 < TFEE 43.1 n	Authorised SAP Assessor	Passed
Criterion 2: the performance of th	ne building fabric and the heating, hot water and fixed lighting systems shoul	d be no worse than the design	limits
Fabric U-values			
Are all U-values better than the design limits in Table 2?	ElementWeighted average HighestWall0.24 (max 0.30)0.24 (max 0.70)Party wall0.00 (max 0.20)N/AFloor0.10 (max 0.25)0.10 (max 0.70)Roof0.10 (max 0.20)0.10 (max 0.35)Openings1.23 (max 2.00)1.30 (max 3.30)	Authorised SAP Assessor	Passed
Thermal bridging			
How has the loss from thermal bridges been calculated?	Thermal bridging calculated from linear thermal transmittances for each junction	Authorised SAP Assessor	
Heating and hot water systems			
Does the efficiency of the heating systems meet the minimum value set out in the Domestic Heating Compliance Guide?	Main heating system: Mains gas, Combi boiler from database Ideal LOGIC COMBI ESP1 35 Efficiency = 89.60% - SEDBUK 2009 Minimum = 88.00% Secondary heating system: None	Authorised SAP Assessor	Passed
Does the insulation of the hot water cylinder meet the standards set out in the Domestic Heating Compliance Guide?	No hot water cylinder	Authorised SAP Assessor	
Do controls meet the minimum controls provision set out in the Domestic Heating Compliance Guide?	Space heating control: Time and temperature zone control - plumbing circuit Hot water control: No hot water cylinder Boiler interlock (main system 1) Separate water control	Authorised SAP Assessor	Passed



URN: 29460-0070 version 1 NHER Plan Assessor version 6.3.8

PRRN: 6881286

Check	Evidence	Produced by	OK?
Fixed internal lighting			
Does fixed internal lighting comp with paragraphs 42 to 44?	oly Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 10 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appr	ropriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (17.27°) Overheating risk (July) = Not significant (18.98°) Overheating risk (August) = Not significant (18.8°) Region = Midlands Thermal mass parameter = 165.00 Ventilation rate in hot weather = 8.00 ach Blinds/curtains = None	Authorised SAP Assessor	Passed
Criterion 4: the performance of t	he dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 7.01 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 bettere in practice?	The following party walls have a U-value less than 0.2W/m²K: d) • Party (0.00) The following floors have a U-value less than 0.13W/m²K: • Ground Floor (0.10) The following roofs have a U-value less than 0.13W/m²K: • Roof (0.10) The following openings have a U-value less than 1.2W/m²K: • Solid door reference 10 (0.80)	Authorised SAP Assessor	