L1A 2013 - Regulations Compliance Report

Design - Draft



This design draft 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 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.

Assessor name	Mr Neil Vanson	Assessor number	6290
Client		Last modified	05/01/2021
Address	Baseline The White House Wix Hill, West Horsley, KT4 6ED		

e emission from proposed dwelling does not exceed the target uel = N/A uel factor = 1.00 ER = 12.25 ER = 12.25 ER 12.25 = TER 12.25 FEE 46.5 < TFEE 53.2 puilding fabric and the heating, hot water and fixed lighting systems shoul	Authorised SAP Assessor Authorised SAP Assessor Authorised SAP Assessor Authorised SAP Assessor	Passec
uel = N/A uel factor = 1.00 ER = 12.25 ER = 12.25 ER 12.25 = TER 12.25 FEE 46.5 < TFEE 53.2	Authorised SAP Assessor Authorised SAP Assessor	
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ouilding fabric and the heating, hot water and fixed lighting systems shoul		. 4330
ouilding fabric and the heating, hot water and fixed lighting systems shoul		
	d be no worse than the design	limits
lement Weighted average Highest	Authorised SAP Assessor	Passe
Vall 0.21 (max 0.30) 0.21 (max 0.70)		
penings 1.29 (max 2.00) 1.30 (max 3.30)		
Thermal bridging How has the loss from thermal Thermal bridging calculated from linear thermal transmittances for each		
inction		
1ain heating system:	Authorised SAP Assessor	Passe
1ains gas, Regular boiler from database		
aillant ecoTEC plus VU 446/5-5 (H-GB)		
fficiency = 89.50% - SEDBUK 2009		
1inimum = 88.00%		
econdary heating system: None		
ylinder volume = 300.00 litres	Authorised SAP Assessor	Passe
ominal cylinder loss = 2.27kWh/day		
rimary hot water pipes are insulated		
pace heating control:	Authorised SAP Assessor	Passe
ime and temperature zone control - plumbing circuit	Authorised SAL ASSESSOI	1 4330
ot water control:		
oiler interlock (main system 1)		
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Valor hii ocy	all 0.21 (max 0.30) 0.21 (max 0.70) rty wall (no party wall) por 0.15 (max 0.25) 0.15 (max 0.70) pof 0.15 (max 0.20) 0.15 (max 0.35) penings 1.29 (max 2.00) 1.30 (max 3.30) dermal bridging calculated from linear thermal transmittances for each annotion dain heating system: dains gas, Regular boiler from database dillant ecoTEC plus VU 446/5-5 (H-GB) ficiency = 89.50% - SEDBUK 2009 dinimum = 88.00% condary heating system: None dinder volume = 300.00 litres dermal cylinder loss = 2.27kWh/day daximum permitted cylinder loss = 2.86kWh/day dimary hot water pipes are insulated dace heating control: me and temperature zone control - plumbing circuit but water control:	all 0.21 (max 0.30) 0.21 (max 0.70) rty wall (no party wall) por 0.15 (max 0.25) 0.15 (max 0.70) remain bridging calculated from linear thermal transmittances for each and the series of the series o

Check	Evidence	Produced by	ОК?
Fixed internal lighting			
Does fixed internal lighting compl with paragraphs 42 to 44?	ly Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 56	Authorised SAP Assessor	Passed
	Percentage of low energy lights = 100% Minimum = 75 %		
Criterion 3: the dwelling has appr	opriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (18.75°) Overheating risk (July) = Slight (20.52°) Overheating risk (August) = Not significant (20.23°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Dark-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of th	ne dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 4.00 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 openings have a U-value less than 1.2W/m²K: d) • Solid door reference 17 (1.00)	Authorised SAP Assessor	