Date:





House Type Approval Certificate

Certificate No:

STAS/23/052/DM137/UCR 15 September 2023

Certificate

Certificate Holder: CALA Homes Ltd

Adam House, 5 Mid New Cutlins, Edinburgh EH11 4DU

E-mail: SKelso@Cala.co.uk Tel: 0131 453 0072

B House Type Titles:

Description:

CALA Light and Space Range Model E —

U-Values and Condensation Risk

The domestic type approval has been assessed on the following drawings and specifications:

See attached annexe to this certificate

D	limatic conditions: The design may be built in areas where the climatic conditions are equal to or less than those detailed below:				
	Wind: (as defined in BS 6399-2)	Standard effective wind speed, Ve =	47.5 m/s		
		For maximum effective height =	9m to ridge		
		Has funnelling been considered?	No		
	Wind: (as defined in CP3:	Design wind speed, Vs =	24.5m/s		
	ChapterV)	(relevant to the building frame, at a height of 3m or less)			
	Snow: (as defined in BS 6399-3)	Site snow load, So =	0.75 kN/m2		
	,	Influenced by adjacent buildings?	No		
	Resistance to moisture/durabilityof exposed elements:	Max exposure (to wind driven rain) grading, as defined in BRE Report – Thermal Insulation: Avoiding Risks, Second Edition, 1994, to be exposurezone:	Exposure Zones 1, 2, 3 and 4		
		Exposure to sea spray (i.e., coastal region) or de-icing salts?	No		
		Other air contaminants or biological factors – please specify any enhanced resistance if applicable (refer to BS7543 for guidance)	None		
	Design Life: (per BS 7543 –	Category of building design life = Design life of primary building	60 years		
	Durability of buildings and building	envelope			
	elements, products and components)		60 years		

E Conditions of certification:

- The design shown and the specifications and materials referred to have been assessed and approved in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Domestic Technical Handbooks which came into forcewith effect from 5 June 2023.
- 2. The certificate shall be valid until invalidated by formal notice by the Local Authority Building Standards Scotland
- 3. The design shown and the materials specified shall not be changed without reference to the Local Authority Building Standards Scotland responsible for certifying the system.
- 4. Where reference is made on a plan or specification document to any Code of Practice, British or European Standard or manufacturer's instruction it shall be construed as a reference to such publication in the form in which it is in force at the material time at the point of construction.
- This certificate should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act2003 enacted from 1 May 2005
- 6. The Harley Haddow Consulting Engineers Statement of Structural Adequacy referenced here under Section G dated 21 September 2023, confirm that a structural appraisal has been carried out. It confirms that further site-specific information MUST BE made available when a site-specific building warrant is sought. Such additional information should take cognisance of Procedural Guidance on Certification including information to be submitted with a Building Warrant Application dated April 2010 Version 2 (January 2017). Confirmation of a holistic approach to structural adequacy of the entire completed building shall be provided by a registered engineer to the local authority within whose area the site-specific dwelling is to be built
- 7. This certificate confirms compliance with Mandatory Standard 6.1, based on example criteria with regards to orientation, shading, sheltering and resultant PV array efficiency. Site specific information will be required to confirm the actual DER and DDER for the STAS approved house type on each plot on a particular site.
- 8. This certificate confirms compliance with Mandatory Standard 3.28. This is based on actual 'worst case' criteria outlined within CIBSE TM59 'Design methodology for the assessment of overheating risk in homes' (2017). On this basis, further site-specific information is not necessary.



Local Authority Building Standards Scotland [LABSS]



Annexe of drawings, certificates and specification documents used in the assessment:

F	Document Reference:	Description:
-	Document Reference.	Description.
	U value and Psi Value Combined Pack	
	o value and i or value combined i dok	
	U-values (W/m ² K)	
	Wall 2022 Wall - External Wall - Render	
	Floor 2022 Floor - Insulation below slab	
	Roof 2022 Standard Roof - Plane Roof	
	Wall 2022 Vertical Coombe Wall - Vertical	
	Coombe Wall Wall 2022 Garage Wall - Garage Wall	
	Floor 2022 Garage Sep Floor - 2022 -	
	Garage Sep	
	Roof 2022 Coombe Roof - Slope Roof	
	 Wall Dormer Walls K-lathe - Dormer Walls, 	
	K-lathe	
	Wall Dormer Walls Lead 2022 - Dormer	
	Walls, lead finished	
	Linear Thermal Transmittance (Ψ)	
	• 0.100	E2 Other lintels (including other steel lintels)
	• 0.044	E3 Sill
	• 0.044	E4 Jamb
	• 0.182	E5 Ground floor (normal)
	• 0.024	E6 Intermediate floor within a dwelling
	• 0.045	E10 Eaves (insulation at ceiling level)
	• 0.193	E10 Eaves (insulation at ceiling level)
	• - 0.006	E11 Eaves (insulation at rafter level)
	• 0.029	E12 Gable (insulation at ceiling level)
	• - 0.010	E13 Gable (insulation at rafter level)
	• - 0.008	E16 Corner (normal)
	• - 0.093	E17 Corner (inverted – internal area greater than ext area)
	• 0.019	E18 Party wall between dwellings
	• 0.026	E20 Exposed floor (normal)
	• 0.032	E21 Exposed floor (inverted)
	• 0.036	E25 Staggered party wall between dwellings
	• 0.166	P1 Ground floor
	• 0.058	P4 Roof (insulation at ceiling level)

ı	G	Certification:	Revision:	Description:
		CALA Group Ltd Light And Space House Type Range		Harley Haddow Statement of Structural Adequacy Reference 310857 dated 21 September 2023

Н	Specification:	Revision:	Description:
	Refer to Standard Details – STAS/23/052/DM137/SD		Standard Details
	Refer to Standard Specifications - STAS23/052/DM137//SS		Standard Specifications

Authority:

This system type approval certificate consisting of 2 pages is authorised by **West Lothian Council** on behalf on behalf of the Local Authority Building Standards Scotland (LABSS).