

## House Type Approval Certificate

Certificate No: **STAS/19/052/DM110/08**

Date: **20 September 2021**

<b>A</b>	<b>Certificate Holder:</b>
	<b>CALA Homes Ltd</b> <b>Adam House, 5 Mid New Cutlins, Edinburgh EH11 4DU</b> <b>E-mail: SKelso@Cala.co.uk</b> <span style="float: right;"><b>Tel: 0131 453 0072</b></span>

<b>B</b>	<b>House Type Titles:</b>
	<b>Description: FLAT TYPE E – OPEN PLAN PV</b>

<b>C</b>	The domestic type approval has been assessed on the following drawings and specifications:
	<b>See attached annexe to this certificate</b>

<b>D</b>	<b>Climatic conditions:</b> The design may be built in areas where the climatic conditions are equal to or less than those detailed below:		
	<b>Wind:</b> (as defined in BS 6399-2)	<i>Standard effective wind speed, <math>V_e</math> =</i>	<b>24.5 m/s</b>
		For maximum effective height = Has funnelling been considered?	<b>16m to ridge</b> <b>No</b>
	<b>Wind:</b> (as defined in CP3: Chapter V)	<i>Design wind speed, <math>V_s</math> =</i> (relevant to the building frame, at a height of 3m or less)	<b>24.5m/s</b>
	<b>Snow:</b> (as defined in BS 6399-3)	<i>Site snow load, <math>S_o</math> =</i>	<b>0.75 kN/m<sup>2</sup></b>
		Influenced by adjacent buildings?	<b>No</b>
	<b>Resistance to moisture/durability of exposed elements:</b>	Max exposure (to wind driven rain) grading, as defined in BRE Report – Thermal Insulation: Avoiding Risks, Second Edition, 1994, to be exposure zone: Exposure to sea spray (i.e. coastal region) or de-icing salts? Other air contaminants or biological factors – please specify any enhanced resistance if applicable (refer to BS7543 for guidance)	<b>Exposure Zones 1, 2, 3 and 4</b> <b>No</b> <b>None</b>
	<b>Design Life:</b> (per BS 7543 – Durability of buildings and building elements, products and components)	Category of building design life =  Design life of primary building envelope	<b>60 years</b>  <b>60 years</b>

<b>E</b>	<b>Conditions of certification:</b>	
	1.	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 force with effect from 1 March 2021.
	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 date of this certificate.
	5.	This certificate should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 2003 enacted from 1 May 2005

6. The Harley Haddow Consulting Engineers Statement of Structural Adequacy referenced here under Section G, 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 should be read with the related certificate STAS/19/052/DM110/SD; STAS/19/052/DM110/SS; STAS/19/052/DM110/UCR

F	Document Number	Size	Revision	Description
	E-O-GF	A1	B	GROUND FLOOR PLAN - PV
	E-O-FF	A1	B	FIRST FLOOR PLAN - PV
	E-O-SF	A1	C	SECOND FLOOR PLAN - PV
	E-O-TF	A1	C	THIRD FLOOR PLAN - PV
	E-UB	A1	B	SECTION - UNDERBUILD - PV
	E-EL	A1		ELEVATIONS
	SPEC DOC	A4		SAP/ENERGY COMPLIANCE REPORT
				Flat E - GF - PV SAP
				Flat E - MID - PV SAP
				Flat E - TOP - PV Flat Roof SAP
				Flat E - TOP - PV Pitched Roof SAP
	12032/M17	A3	A	SPACE HEATING & PLUMBING DESIGNS
	12032/M18	A3		EQUIPMENT SCHEDULE
				-
	7975-05	A3		DRAINAGE ISOMETRIC
	ZGB-0015	A3	4	GROUND & MID FLOOR CENTRALISED MECHANICAL EXTRACT VENTILATION
	ZGB-0016	A3	3	TOP FLOOR CENTRALISED MECHANICAL EXTRACT VENTILATION

G	Certification	
	CALA Homes Light and Space House Flat Range STAS Approval - Statement of Structural Adequacy	Harley Haddow (Edinburgh) Ltd dated 19 November 2019

H	Specification	
	Refer to STAS/19/052/DM110/SD (current)	Standard Details
	Refer to STAS/19/052/DM110/SS (current)	Standard Specifications
	Refer to STAS/19/052/DM110/UCR (current)	U-values and Condensation Risk

I	Authority:
	This system type approval certificate consisting of 2 pages is authorised by <b>Midlothian Council</b> on behalf of the Local Authority Building Standards Scotland (LABSS).

Approved 20 September 2021