Type Approval Certificate

Certificate No: **STAS/24/052/DM110/SD/MODEL E**
Date: **28 April 2025**

A	**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	**Type Title:**
	Description: **MODEL E – STANDARD DETAILS**

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

D **Climatic 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 = For maximum effective height = Has funnelling been considered?	**24.5 m/s** **16m to ridge** **No**
Wind: (as defined in CP3: Chapter V)	*Design wind speed, Vs* = (relevant to the building frame, at a height of 3m or less)	**24.5m/s**
Snow: (as defined in BS 6399-3)	*Site* snow load, So = Influenced by adjacent buildings?	**0.75 kN/m2** **No**
Resistance to moisture/durability of exposed elements:	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)	**Exposure Zones 1, 2, 3 and 4** **No** **None**
Design Life: (per BS 7543 – Durability of buildings and building elements, products and components)	Category of building design life = Design life of primary building envelope	**60 years** **60 years**

E **Conditions of certification:**

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 January 2025**.
2. The certificate shall be valid until invalidated by formal notice by the Scottish Building Standards Hub.
3. The design shown and the materials specified shall not be changed without reference to the Scottish Building Standards Hub who are 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 (Edinburgh) Limited Statement of Structural Adequacy referenced here under Section G, confirm that a structural appraisal has been carried out. It is a requirement of this certificate that 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. Note, this national registration does not cover compliance with Mandatory Standard 2.15. Information to demonstrate compliance within this standard will be submitted by CALA to the verifier for each site specific building warrant application.
8. Site specific elements, such as those for access, ground conditions, drainage, EV charging, broadband connection etc, require to be assessed by the verifier.
9. This certificate should be read with the related certificates STAS/24/052/DM110/SS/MODEL E and STAS/24/052/DM110/UCR/MODEL E.

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

F	DET	Rev	Description
	1		Storey Rods (3 & 4 storey flats) - Pitched Roof
	2		Storey Rods (3 & 4 storey flats) - Flat Roof
	10		External Wall/Ground Floor Junction Suspended Slab
	10.1		External Wall/Ground Floor Junction Suspended Slab
	11		Pipe Passing Through Underbuilding Suspended Slab
	12		Separation Wall/Ground Floor Junction
	12.1	A	Separation Wall/Ground Floor Junction
	13		Internal LB Partition/Ground Floor Junction
	13.1		Internal Non LB Partition/Ground Floor Junction
	14		Internal Stair Separation Wall/Ground Floor Junction
	15		External Stair Wall/Ground Floor Junction
	16		Common Entrance Door Threshold Details Barrier Free - Inward Opening Door Concrete Slab Access Platt
	16.1		Common Entrance Door Threshold Details Barrier Free - Inward Opening Door Monoblock Access Platt
	17.1	B	Common Entrance Door - Canopy Details - Pitched Roof
	17.2	A	Common Entrance Door - Canopy Details - Pitched Roof
	17.3	A	Common Entrance Door - Canopy Details - Pitched Roof
	17.4	B	Common Entrance Door - Canopy Details - Flat Roof
	17.5	A	Common Entrance Door - Canopy Details - Flat Roof
	20	A	External Wall/Separation Floor Junction Joists Parrallel to External Wall
	20.1	A	External Wall/Separation Floor Junction Joists at Right Angles to External Walls
	21	A	External Wall/Separation Floor Junction Joists Parrallel to External Wall TOP FLOOR ONLY
	22		External Wall/Separation Floor Junction Pipe Passing Through Separating Floor
	23	A	Separation Wall/Separation Floor Junction 1st & 2nd Floor Levels
	23.1	A	Separation Wall/External Wall Junction Plan Detail
	23.2	A	Separation Wall/External Wall Junction Plan Detail - Stepped
	23.3		Separation Wall/Lobby Wall Junction Plan Detail
	24	A	Internal Stair Separation Wall/Separation Floor Junction Joists at Right Angles to External Wall
	24.1		Internal Stair Separation Wall/Separation Floor Junction - TOP FLOOR ONLY Joists at Right Angles to External Wall
	25.1	B	Internal Stair Separation Wall Ceiling to Underside of Roof Finish
	25.2		Ceiling to Top Floor Protected Lobby - Pitched Roof
	26		External Stair Wall/Mid Floor Junction
	27	A	Window Details in Roughcast Finish External Walls - Sections
	27.1	A	Window Details in Stone Finish External Walls - Sections
	27.2		Window Details in Common Stair External Walls – Sections
	28		Window Details in Timber Frame External Wall Plans
	28.1		Window Details in Common Stair External Wall Plans
	28.2	B	Juliet Balcony - French Doors - Inward Opening Section
	28.3	A	Juliet Balcony - French Doors - Inward Opening Elevation
	28.4		Juliet Balcony - French Doors - Inward Opening Plan
	28.5	B	Deep Window - French Doors - Inward Opening Section
	28.6	A	Deep Window - French Doors - Inward Opening Elevation
	28.7		Deep Window - French Doors - Inward Opening Plan
	29		External Wall Movement Joint Details
	30	A	Internal LB Partition/Separation Floor Junction
	30.1		Carcassing Details - LB Timber Partitions
	31	A	Internal Non LB Partition/Separation Floor Junction
	31.1		Carcassing Details - NLB Timber Partitions
	32		Typical Flat Entrance Door Size Requirements
	32.1		Typical Internal Doors to Flats Size Requirements
	40	A	Eaves Detail - Boxed Soffit 37 deg Roof Pitch
	40.1	A	Eaves Detail - Sloping Soffit 37 deg Roof Pitch

	40.2		Valley and Ridge details
	40.3		Eaves Transition Detail
	41		Separation Wall/Ceiling Junction at Top Floor and Separation Wall Junction at Ridge Level
	41.1		Separation Wall/Ceiling Junction at Top Floor and Separation Wall Junction - Flat Roof
	41.2	B	Separation Wall/Ceiling Junction at Top Floor and Separation Wall Junction - Stepped - Pitched Roof >600mm
	41.3	B	Separation Wall/Ceiling Junction at Top Floor and Separation Wall Junction - Stepped - Pitched Roof <600mm
	41.4		Separation Wall/Ceiling Junction at Top Floor and Separation Wall Junction - Stepped - Flat Roof
	41.5	B	Separation Wall Eaves Detail
	42	A	Window Details in Roughcast Finish At 37 deg Eaves - Boxed Soffit
	42.1	A	Window Details in Roughcast Finish At 37 deg Eaves - Sloping Soffit
	43	A	Verge Details
	44	A	Eaves Detail - Boxed Soffit 45 deg Roof Pitch
	44.1	A	Eaves Detail - Sloping Soffit 45 deg Roof Pitch
	45	B	Flat/Attic Separation Wall/External Wall
	46		Typical K-Lathe Gutter Junction
	47.1	A	Stair Core Pitched Roof Support Detail
	47.2	A	Stair Core Pitched Roof Support Detail
	48.1		Flat Roof Parapet - Secret Gutter Stair Core
	48.2		Flat Roof Parapet - Shute Outlet Stair Core
	48.3		Flat Roof Ridge Stair Core
	48.4		Flat Roof Parapet – Timber Stair Core/Flat
	49		Flat Roof Parapet - Secret Gutter Flat
	49.1		Flat Roof Parapet - Shute Outlet Flat
	49.2		Flat Roof Ridge Flat
	50	A	Common Stair Services Duct Details
	51	A	Common Stair Services Duct Details
	51.3		PV Detail - Pitched Roof
	51.4	A	PV Detail - Flat Roof
	51.5		Common Stair Services - Service Riser Closer Detail - Pitched Roof
	52		Services Zone Locations
	53		Electrical Service Voids
	53.1		Electrical Fixing Heights
	54.1	A	Typical Bath Panel Installation Detail
	56		Fire Collar Detail
	70.1		Bolt-On Balcony Details
	70.2		Balcony Divider
	72.1		Built-In Balcony Details
	80		Schindler Lift Details 3300
	80.1		Schindler Lift Details 3300
	80.2		Schindler Lift Details 3300
	80.3		Schindler Lift Details 3300
	80.4		Schindler Lift Details 3300
	81		External wall service penetration detail
	85		Landlord Store Details
	86		Typical Fire Separation Principles - Schematic Sketch Isometric
	87		Fire Protection Details to Windposts
	88		Fire Protection Details to Beams/Steelwork within Floor Zone
	89		Fire Protection Details to Staircore Steel Beams
	DOORS-01		Flats Communal Area Doors

G	Certification	
	CALA Homes Light and Space Model E Flats Statement of Structural Adequacy	Harley Haddow (Edinburgh) Ltd dated 24 June 2024

H	**Specification**	
	L & S Model E Standard Flats Construction Specification (Scotland)	V3 – 13.02.25
	Generic Specification Items	GS-01
	Harley Haddow – Flat Type Specification	P01
	Harley Haddow – Staircore Specification	P01
	Astute Fire Strategy Report	Revision 4 - 14.04.25
	Refer to STAS/24/052/DM110/SS/MODEL E	Standard Specifications
	Refer to STAS/24/052/DM110/UCR/MODEL E	U-values and Condensation Risk

I	**Authority:**
	This system type approval certificate consisting of 4 pages is authorised by the **Scottish Building Standards Hub** on behalf of the Local Authority Building Standards Scotland (LABSS).