

# House Type Approval Certificate

Certificate No: **STAS/21/052/DM126/SD**

Date: **30 November 2021**

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

<b>B</b>	<b>House Type Titles:</b>	
	Description:	2021 Regulations <b>CALA HOMES - LIGHT AND SPACE RANGE – Standard Details</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> For maximum effective height = Has funnelling been considered?	<b>47.5 m/s</b> <b>9m 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> Influenced by adjacent buildings?	<b>0.75 kN/m2</b> <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 <b>1 March 2021</b> .
	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.
	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.

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

F	Drawing Number:	Revision:	Description:		
	Light & Space Standard Details Pack 271021				
	STAS Drawing Register Light and Space - 280921				
	DET10	A3	AS NOTED	External Wall/Ground Floor Junction	E
	DET11	A3	AS NOTED	Garage/Dwelling Partition - Detail at Slab	E
	DET11.1	A3	AS NOTED	Garage/Dwelling Partition - Detail at Door Opening	D
	DET11.2	A3	AS NOTED	Garage/Dwelling Partition - Showing Service Void	D
	DET12	A3	AS NOTED	Garage Wall / Ground Junction	G
	DET13	A3	AS NOTED	GF Internal Loadbearing Partition/Ground Floor Slab Junction - Standard Foundation	E
	DET13.1	A3	AS NOTED	GF Internal Loadbearing Partition/ Ground Floor Slab Junction - NON-Standard Foundation	D
	DET13.2	A3	AS NOTED	GF Internal NON-Loadbearing Partition/Ground Floor Slab Junction	F
	DET13.4	A3	AS NOTED	FF Internal NON-Loadbearing Partition/Intermediate Floor Cassette Junction	A
	DET14	A3	AS NOTED	Threshold Detail - Inward Opening Door	F
	DET14.1	A3	AS NOTED	Threshold Detail - Barrier Free - Inward Opening Door - Concrete Slab Platt	E
	DET14.2	A3	AS NOTED	Threshold Detail - Barrier Free - Inward Opening Door - Monoblock Platt	E
	DET14.3	A3	AS NOTED	Threshold Detail - Inward Opening Door - Concrete Slab Platt	E
	DET14.4	A3	AS NOTED	Threshold Detail - Bi-Fold Patio Door - Patio Edge Detail	E
	DET14.5	A3	AS NOTED	Threshold Detail - No Cill - Bi-Fold Patio Door - Patio Edge Detail	E
	DET14.6	A3	AS NOTED	Raised Patio Detail	
	DET14.9	A3	AS NOTED	Door Head and Jamb Details	
	DET15	A3	AS NOTED	Separation Wall/Ground Floor Junction	D
	DET15.1	A3	AS NOTED	Separation Wall/Ground Floor Junction - Stepped	A
	DET16	A3	AS NOTED	Gas Membrane Detail - Telescopic Vents - External Wall/Ground Floor Junction	D
	DET16.1	A3	AS NOTED	Hydrocarbon Membrane Detail - Telescopic Vents - External Wall/Ground Floor Junction	D
	DET16.2	A3	AS NOTED	Gas Membrane Detail - Below Ground Vents - External Wall/Ground Floor Junction	D
	DET16.3	A3	AS NOTED	Gas Membrane Detail - Below Ground Vents - Internal Loadbearing Wall/Ground Floor Junction	C
	DET16.4	A3	AS NOTED	Gas Membrane Detail - Internal Corner Cloak Detail	
	DET16.5	A3	AS NOTED	Gas Membrane Detail - Radon Membrane Arrangement Details	
	DET20	A3	AS NOTED	Window Firestop Detail	F
	DET20.1	A3	AS NOTED	Window Details - Masonry Roughcast Condition	A
	DET20.2	A3	AS NOTED	Window Details - Block/Render & Brickwork Condition - Section	B
	DET20.3	A3	AS NOTED	Window Details - Block/Render & Brickwork Condition - Plan	A
	DET23	A3	AS NOTED	Window Details - Stone Surround	C
	DET23.1	A3	AS NOTED	Window Details - Stone Surround - Elevations and Sections	A
	DET24	A3	AS NOTED	External Wall/Mid Floor Junction - Joists parallel to External Wall	D
	DET24.1	A3	AS NOTED	External Wall/Mid Floor Junction - Joists at Right Angles to External Wall	D
	DET25	A3	AS NOTED	External Wall Corner Junction	B
	DET26	A3	AS NOTED	External Wall - Movement Joint/Crack Control - Joints	A
	DET27	A3	AS NOTED	Separation Wall/Mid Floor Junction	F
	DET28	A3	AS NOTED	Separation Wall/External Wall Junction - Plan Detail	F
	DET28.1	A3	AS NOTED	Stepped Separation Wall/External Wall Junction - Plan Detail	A
	DET28.2	A3	AS NOTED	Stepped Separation Wall/Eaves Junction - ISOMETRIC	A
	DET29.1	A3	AS NOTED	Garage Door Plan thru Blockwork and Stone Plinth - Plan Detail	B
	DET29.2	A3	AS NOTED	Garage Door Typical Section	E
	DET29.3	A3	AS NOTED	Juliet Balcony Inward Opening Door - Plan Detail	B
	DET29.4	A3	AS NOTED	Juliet Balcony Inward Opening Door - Elevation	B
	DET29.5	A3	AS NOTED	Juliet Balcony Inward Opening Door - Section	B
	DET29.6	A3	AS NOTED	Juliet Balcony Inward Opening Window - Plan Detail	B
	DET29.7	A3	AS NOTED	Juliet Balcony Inward Opening Window - Elevation	B
	DET29.8	A3	AS NOTED	Juliet Balcony Inward Opening Window - Section	D
	DET30.1	A3	AS NOTED	Garage Door w/ Steel Goalpost Plan Thru - Stone Plinth - Plan Detail	B
	DET30.2	A3	AS NOTED	Garage Door w/ Steel Goalpost Typical Section	D
	DET30.3	A3	AS NOTED	Internal Door w/ Steel Goalpost Typical Section	B
	DET31	A3	AS NOTED	Carcassing Details - Loadbearing Timber Partitions	A
	DET33	A3	AS NOTED	Carcassing Details - NON-Loadbearing Timber Partitions	A
	DET34	A3	AS NOTED	Carcassing Details - Fire Door Installation Details	
	DET40	A3	AS NOTED	Eaves Detail at WINDOW - 2 storey - 37-degree roof pitch	H

DET40.1	A3	AS NOTED	Eaves Detail at WINDOW - 2 storey - 37-degree roof pitch - Slimline Concrete Roof Tile	D
DET40.2	A3	AS NOTED	Eaves Detail at WINDOW - 2 storey - 37-degree roof pitch - Slate	G
DET41	A3	AS NOTED	Eaves Detail at WINDOW - 2 storey - 37-degree roof pitch	H
DET41.1	A3	AS NOTED	Eaves Detail - 2 storey - 37-degree roof pitch - Slimline Concrete Roof Tile	D
DET41.2	A3	AS NOTED	Eaves Detail - 2 storey - 37-degree roof pitch - Slate	G
DET42	A3	AS NOTED	Verge and Ridge Detail	C
DET42.1	A3	AS NOTED	Eaves Transition Elevation	
DET42.2	A3	AS NOTED	Eaves Transition Detail	A
DET42.3	A3	AS NOTED	Ridge Detail - Slate	A
DET43	A3	AS NOTED	Typical Render Lathe/Gutter Detail	B
DET43.1	A3	AS NOTED	Typical Cill in Render Lathe Panel Detail	B
DET43.2	A3	AS NOTED	Typical Render Lathe & Blockwork Junction	
DET44	A3	AS NOTED	Separation Wall Junctions at Ceiling Level and Ridge Level	G
DET44.1	A3	AS NOTED	Separation Wall Junctions at Ceiling Level and Ridge Level - Stepped - Greater than 600mm	A
DET44.2	A3	AS NOTED	Separation Wall Junctions at Ceiling Level and Ridge Level - Stepped - Less than 600mm	A
DET44.3	A3	AS NOTED	Separation Wall Junctions at Ceiling Level and Ridge Level - Slate	B
DET44.4	A3	AS NOTED	Spandrel Panel Parallel Trusses	D
DET44.5	A3	AS NOTED	Spandrel Panel Perpendicular Trusses	D
DET45	A3	AS NOTED	Typical Coombe Construction	C
DET48	A3	AS NOTED	Eaves Detail - 2 Storey - 45 Degree Roof Pitch	F
DET48.1	A3	AS NOTED	Eaves Detail at WINDOW - 2 Storey - 45 Degree Roof Pitch	E
DET48.2	A3	AS NOTED	Eaves Detail - 2 Storey - 45 Degree Roof Pitch - Slimline Concrete Roof Tile	E
DET48.3	A3	AS NOTED	Eaves Detail at WINDOW - 2 Storey - 45 Degree Roof Pitch - Slimline Concrete Roof Tile	E
DET48.4	A3	AS NOTED	Eaves Detail - 2 Storey - 45 Degree Roof Pitch - Slate	G
DET48.5	A3	AS NOTED	Eaves Detail at WINDOW - 2 Storey - 45 Degree Roof Pitch - Slate	G
DET49	A3	AS NOTED	Sloping Eaves Detail - 2 Storey - 45 Degree Roof Pitch	E
DET49.1	A3	AS NOTED	Sloping Eaves Detail - 2 Storey - 45 Degree Roof Pitch - Slate	E
DET50	A3	AS NOTED	Wet Floor Drain Ducting	B
DET50.1	A3	AS NOTED	Capped Gas Pop Up Detail	B
DET50.2	A3	AS NOTED	Shower Tray Installation Detail	A
DET50.3	A3	AS NOTED	Bathroom Bulkhead Detail	B
DET51	A3	AS NOTED	Typical Bath Panel Installation Detail	C
DET51.1	A3	AS NOTED	Typical Bath Panel Installation Detail With End Panel	A
DET54	A3	AS NOTED	Gas Ducting - House types with Integral Garage - Semi Recessed Gas Meter Box	C
DET54.1	A3	AS NOTED	Gas Ducting - House types without Integral Garage - Semi Recessed Gas Meter Box	A
DET55	A3	AS NOTED	Gas Boiler Balanced Flue - Set Out Details	B
DET56	A3	AS NOTED	Air Source Heat Pump - Ground Mounted Detail	A
DET56.1	A3	AS NOTED	Air Source Heat Pump - Wall Mounted Detail	B
DET56.2	A3	AS NOTED	Air Source Heat Pump - Wall Mounted Detail - Piped through wall	
DET57	A3	AS NOTED	Cylinder/Upstairs Storage Cupboard Layout	
DET58	A3	AS NOTED	Typical SVP Offset in Timber Cassette Mid Floor	
DET58.1	A3	AS NOTED	Typical SVP Pipe Box Details	
DET58.2	A3	AS NOTED	Remedial SVP Pipe Box Details - Option 1	
DET58.3	A3	AS NOTED	Remedial SVP Pipe Box Details - Option 2	
DET59	A3	AS NOTED	Radiator Mounting Height	B
DET59.1	A3	AS NOTED	Typical Towel Radiator Dual Fuel Control Detail	B
DET60	A3	AS NOTED	Telecom Distribution - FTTP	B
DET61	A3	AS NOTED	Service Store Layout - FTTP	E
DET62	A3	AS NOTED	Telecom Distribution - FTTC	A
DET63	A3	AS NOTED	Service Store Layout - FTTC	B
DET64	A3	AS NOTED	TV Distribution	B
DET70	A3	AS NOTED	Boundary Treatment - Timber Fence	
DET70.1	A3	AS NOTED	Boundary Treatment - Anstone Wall with Piers	
DET70.2	A3	AS NOTED	Boundary Treatment - Black/Render Wall with Piers	A
DET71	A3	AS NOTED	Kitchen Dropped Ceiling With Overhang	
DET72	A3	AS NOTED	Kitchen Dropped Ceiling Without Overhang	
DET73.1	A3	AS NOTED	HYBRID CUSTOM ASHP - EQUIPMENT LAYOUT - TALL UNIT - CYLINDER	
DET73.2	A3	AS NOTED	HYBRID CUSTOM ASHP - EQUIPMENT LAYOUT - TALL UNIT - BOILER ONLY	
DET74	A3	AS NOTED	DOORBELL PRECAST BLOCK OPTIONS	
DET80	A3	AS NOTED	VENTILATION EXTRACT THROUGH SOFFIT DETAIL	D
DET81	A3	AS NOTED	VENTILATION EXTRACT THROUGH EXTERNAL WALL DETAIL	
DET100	A3	AS NOTED	Electrical Key	A

<b>G</b>	Certification:	Revision:	Description:
	CALA Group Ltd Light And Space House Type Range	C	Harley Hadow (Edinburgh) Ltd STAS Approval - Statement of Structural Adequacy Reference 300722 Revision C dated 1 March 2022
<b>H</b>	Specification:	Revision:	Description:
	Refer to Standard Specifications - STAS21052DM126SS		Standard Specifications
	Refer to U-Values and Condensation Risk - STAS21052DM126UCR		U-Values and Condensation Risk
<b>I</b>	Authority:		
	This system type approval certificate consisting of 4 pages is authorised by West Lothian Council on behalf on behalf of the Local Authority Building Standards Scotland (LABSS).		