

## Local Authority Building Standards Scotland [LABSS]



formerly the Scottish Association of Building Standards Managers [SABSM]

## House Type Approval Certificate

 Certificate No:
 STAS/18/015/DM50/04/AMD04

 Date:
 01 February 2019

A Certificate Holder:

Springfield Properties, Springfield House, 3 Central Park Avenue, Larbert, FK5 4RX

E-mail: craig.veldon@springfield.co.uk Tel: 01324 555536

| House Type Titles:
| Description: | Braemar – 4B 1339dt detached two storey house with integrated garage

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

See attached annexe to this certificate

ME 1 / 1 C 1: DO 0000 0)		
Wind: (as defined in BS 6399-2)	Standard effective wind speed, Ve = For maximum effective height = Has funnelling been considered?	44.1 m/s 10.0m NO
Wind: (as defined in CP3: Chapter V)	Design wind speed, Vs = (relevant to the building frame, at a height of 3m or less)	25.5 m/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	Zone 4
	enhanced resistance if applicable (refer to BS7543 for guidance)	NO
<b>Design Life:</b> (per BS 7543 – Durability of buildings and building	Category of building design life =	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 force with effect from 1 July 2017.
- 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
- The Bill Henderson Consulting Engineer Ltd amended statement dated 26 October 2018 referenced here under Section G, confirm that a structural appraisal has been carried out. 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. 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.



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Anneye of drawings certificates and specification documents used in the assessment

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F Drawing Number:	Description:						
1339dt(AS)000	Cover sheet drawing list						
1339dt (AS)001 D	Schedules						
1339dt (AS)101 C	Plot Works Layout						
1339dt (AS)205 D	Foul Water Drainage Isometric						
1339dt (AS)301 M	General Floor General Arrangement						
1339dt (AS)302 K	First Floor General Arrangement						
1339dt (AS)324 N	Ground Floor Services Layout, Gas & Air Source Heat Pump Hybrid Heating						
1339dt (AS)305 R	First Floor Services Layout						
1339dt (AS)421 J	Elevations – Standard Arrangement, Gas & Air Source Heat Pump Hybrid Heating						
1339dt (AS)501 D	Section A-A						
1339dt (AS)502 C	Section B-B						
1339dt (AS)503 B	Stair Sections Stair Sections						
1339dt (AS)504 C	Stair Plans						
1339dt (AS)601 C	Floor Joist Layout						
1339dt (AS)602 B	Roof Plan						
1339dt (AS)701 G	Accessible Cloakroom Layout						
J13457 Rev C AS	Finnjoist (FJI) Kerto LVL						
Q12593AM	Roof Truss Layout and Truss Profiles						
608 S1 W1	Structural Notes Timber Frame Construction						
608 S2 W3	Timber Frame Typical Details Ground Bearing Floor Slab						
608 S5 W1	Timber Frame Typical Details Suspended Slab						
DET(TK)03-01 B	Ground Floor Detail with Suspended Slab, Polished Finish						
DET(TK)03-02 A	Ground Floor Detail with Ground Bearing Slab, Polished Finish						
DET(TK)03-07 B	Dwarf Wall Detail with Suspended Slab, Polished Finish						
DET(TK)03-16	Garage Floor Detail						
DET(TK)04-02 B	External Wall, Internal & External Corner Detail						
DET(TK)05-01 C	Typical Cavity Barrier Positions						
DET(TK)08-01 B	Mid Floor Detail at External Wall, Parallel Joists						
DET(TK)08-02 B	Mid Floor Detail at External Wall, Perpendicular Joists						
DET(TK)08-03 B	Mid Floor Detail at External Wall, Parallel Joists						
DET(TK)09-01 C	Mid Floor Detail over Garage						
DET(TK)11-07 B	40 degrees Eaves Detail at First Floor Wall Head						
DET(TK)11-08 B	40 degrees Eaves Detail at First Floor Window Head						
DET(TK)11-12 B	Verge Detail						
DET(TK)11-13 A	GRP Valley Detail						
DET(TK)11-17 B	Coombed Ceiling Detail						
DET(TK)12-01 A	Dormer Window, Typical Details						
DET(TK)12-02 B	Dormer Window, Eaves/Roof Junction Detail.						
DET(TK)14-01 B	Window Cill Detail – Ground Floor, Render						
DET(TK)14-02 B	Window Cill Detail – First Floor, Render						
DET(TK)14-05 A	Window Jamb Detail – Render						
DET(TK)14-06 C	Window Jamb Detail – Cladding						
DET(TK)14-07 B	Window Head Detail – Ground Floor, Render						
DET(TK)14-08 B	Window Head Detail – First Floor, Render						
DET(TK)14-10 B	Window Head Detail – First Floor, Cladding						
DET(TK)15-01 A	External Door Detail Level Access Threshold Polished Slab Finish						
DET(TK)15-02 A	External Door Detail Stepped Access Threshold Polished Slab Finish						
DET(TK)29-01	Timber Kit Hold Down strap Detail						
DET(TK)29-02	Typical Roof Fixing Details Page 1						
DET(TK)29-03	Typical Roof Fixing Details Page 2						
DET(TK)29-04	Typical Roof Fixing Details Page 3						
DET(TK)29-05	Typical Roof Fixing Details Page 4						
CAS 8499_07	Vent Axia Braemar 1339DT						
608 SK(BRAE)20	Structural overlay						
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### **Local Authority Building Standards Scotland [LABSS]**



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G	Certification:		
	BRE Global Ltd Certificate of Design (Section6 -	For all house types	
	Energy)	,,	
	STAS/13/053/RD06/01	Registered detail certificate for ventilation system	
	Amended Statement of structural adequacy	From Bill Henderson Consulting Engineer Ltd dated 26 October 2018	
Н	Specification:		
	Springfield – 2019 Building Standards Technical	For all house types	
	Specification Mainstream Housing – Timber		
	Frame		
	Hybrid Air Source Heat Pump & Gas Central		
	Heating, Date 01/01/2019	Y .	
	Stroma SAP ratings 2012	For all house types	
Section 6 Certificate of Design covering let		Moda letter dated 17 December 2018	
	Sustainability	Braemar	
	Bronze Level		
	BRE report	Intermediate Floor sound test	
	Sound test c/03/5I/0835/1	Intermediate Floor sound test report	
	Vent Axia Lo-carbon dMEV unit	Manufacturers information for ventilation system	
	Bill Henderson Consulting Engineer Ltd	Introduction	
	Calculation Sheet 608(i)W1	/ X *	
	Bill Henderson Consulting Engineer Ltd	Notes for Timber Kit manufacture	
	Calculation Sheet 608(ii)W2		
	U-value calculation	Floor – BRAEMAR 0.17	
	U-value calculation	Floor – exposed floor over garage 0.14	
	U-value calculation	Rendered External Wall 0.21	
	U-value calculation	Timber Clad External Wall 0.21	
	U-value calculation	Wall – garage wall – 145mm insulation 0.2	
	U-value calculation	Roof - main roof – 300mm insulation 0.15	
	U-value calculation	Roof – slope roof – 150 + 30mm insulation 0.14	
	U-value calculation	Wall – dwarf walls 150mm insulation 0.24	
	Robust Wall specification	Bill Henderson Consulting Engineer Ltd – letter and fixing specification dated 7 March	
		LEWIS A	

-1	Authority:			
	This system type approval certificate consisting of 3 pages is authorised by:	Signature:	Dallee.	
	Lead Authority Building standards Manager			
		on behalf of the Local Authority Building Standards Scotland (LABSS)		

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Appendix A

Regulation 9 Provisions on which dispensation is given  Technical Standard 3.12 Sanitary facilities (Domestic) Every building must be designed and constructed in such a way that sanitary facilities are provided for all occupants of, and visitors to, the building in a form that allows convenience of use and that there is no threat to the health and safety of occupants or visitors.  Guidance Clause 3.12.3 of the Technical Handbook for dwellings identifies that walls adjacent to any sanitary facility are of robust construction that will permit secure fixing of grab rails or other aids in the zones noted in figure 3.32  Robust walls to structural engineers specification (Bill Henderson Consulting Engineer Ltd letter and fixing specification dated 7 March 2017)  Walls adjacent to any sanitary facility anitary facility are of robust construction to any sanitary facility are of robust construction that will permit secure fixing of grab rails or other aids in the zones noted in figure 3.32		Appelluix A		
Technical Standard 3.12 Sanitary facilities (Domestic) Every building must be designed and constructed in such a way that sanitary facilities are provided for all occupants of, and visitors to, the building in a form that allows convenience of use and that there is no threat to the health and safety of occupants or visitors.  Guidance Clause 3.12.3 of the Technical Handbook for dwellings identifies that walls adjacent to any sanitary facility are of robust construction that will permit secure fixing of grab	Regulation 9	Decision	STAS Condition	
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