

Local Authority Building Standards Scotland [LABSS]



formerly the Scottish Association of Building Standards Managers [SABSM]

House Type Approval Certificate

Certificate No: STAS/18/015/DM50/03/AMD02

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

B House Type Titles:

Description: Balloch – 2B 840sd Semi-detached two storey house

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

See attached annexe to this certificate

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 enhanced resistance if applicable (refer to BS7543 for guidance)	Zone 4 NO
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

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
- 6. 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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	xe of drawings, certificates and specification documents used in the assessment:			
Drawing Number:	Description:			
840sd(AS)000	Cover sheet drawing list			
840sd(AS)001 B	Schedules			
840sd (-)103	Plot Works Layout, Gas & Air Source Heat Pump Hybrid Heating			
840sd (AS)203 A	Foul Water Drainage Isometric			
840sd (AS)301 H	General Floor General Arrangement			
840sd (AS)302 B	First Floor General Arrangement			
840sd (-)323	Ground Floor Services Layout, Gas & Air Source Heat Pump Hybrid Heating			
840sd (-)304	First Floor Services Layout			
840sd (-)421	Elevations, Gas & Air Source Heat Pump Hybrid Heating			
840sd (AS)501 A	Section A-A			
840sd (AS)502 A	Section B-B Stair Sections			
840sd (AS)503 A				
840sd (AS)504 A	Stair Plans			
840sd (AS)601 A	Floor Joist Layout			
840sd (AS)602 -	Roof Plan			
840sd (AS)701 J	Accessible Cloakroom Layout			
J1000_BallochEnd	Finnjoist (FJI) Kerto LVL			
Q12593AE	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)04-02 B	External Wall, Internal & External Corner Detail			
DET(TK)04-06 -	External Wall to Party Wall Detail			
DET(TK)05-01 C	Typical Cavity Barrier Positions			
DET(TK)06-01 B	Party Wall Ground Floor Detail with Suspended Slab, Polished Finish			
DET(TK)06-02 B	Party Wall Stepped, Ground Floor Detail With Suspended Slab, Polished Finish			
DET(TK)06-11 B	Party Wall Detail at Mid Floor, No Step			
DET(TK)06-11 B DET(TK)06-12 B	Party Wall Detail at Mid Floor, with step			
DET(TK)06-21 B	Party Wall Detail at Ceiling, No step			
DET(TK)06-22 B	Party Wall Detail at Ceiling, with Step			
DET(TK)06-31 B	Party Wall Detail at Roof, No step			
DET(TK)06-32 B	Party Wall Detail at Roof, with Step			
DET(TK)06-41 A	3D Detail of Party Wall to Roof			
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)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)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)14-07 B	Window Head Detail – Ground Floor, Render			
DET(TK)14-08 B	Window Head Detail – First Floor, Render			
DET(TK)15-01 A	External Door Detail Level Access Threshold Polished Slab Finish			
DET(TK)15-01 A	External Door Detail Stepped Access Threshold Polished Slab Finish			
DET(TK)29-01	Timber Kit Hold Down strap Detail			
DET(TK)29-01 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_05	Vent Axia Balloch 840SD			
608 SK(BALL)20	Structural overlay			



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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		
	Stroma SAP ratings 2012	For all house types	
	Section 6 Certificate of Design covering letter	Moda letter dated 17 December 2018	
	Sustainability	Balloch	
	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 Calculation	Introduction	
	Sheet 608(i)W1		
	Bill Henderson Consulting Engineer Ltd Calculation	Notes for Timber Kit manufacture	
	Sheet 608(ii)W2	A U	
	U-value calculation	Floor – BALLOCH 0.16	
	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 2017	

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

Appendix A

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	Regulation 9 Provisions on which dispensation is given	Decision	STAS Condition
	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 shall be constructed to Bill Henderson Consulting Engineer Ltd letter and fixing specification dated 7 March 2017)