



House Type **Approval Certificate**

Certificate No: Date:

STAS/18/015/DM57/02/AMND02 01 February 2019

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:

Ardmore – 3B 950SD Semi-detached two storey house

- 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?		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
	Design Life: (per BS 7543 – Durability of buildings and building	Category of building design life =	60 years
	elements, products and components)	Design life of primary building envelope	60 years

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 July 2017 ...

2. The certificate shall be valid until invalidated by formal notice by the Local Authority Building Standards Scotland

The design shown and the materials specified shall not be changed without reference to the Local Authority Building Standards Scotland 3. 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.

This certificate should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 5. 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.





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

Drawing Number:	Description:	
950sd(AS)001 A	Schedules	
950sd(AS)103	Plot Works Layout, Gas & Air Source Heat Pump Hybrid Heating	
950sd(AS)205 A	Drainage Isometric	
950sd(AS)301 C	Ground Floor Layout	
950sd(AS)302 C	First Floor Layout	
950sd(AS)305 E	First Floor Services Layout	
950sd(AS)324 B	Ground Floor Services Layout, Gas & Air Source Heat Pump Hybrid Heating	
950sd(AS)401 D	Elevations – Standard Arrangement Gas Central Heating	
950sd(AS)501 A	Section A-A	
950sd(AS)502 A	Stair Section	
950sd(AS)503 A	Stair Layouts	
950sd(AS)601 F	Floor Joist Layout	
950sd(AS)602 B	Roof Layout	
950sd(AS)701 C	Cloak Room Layout	
950sd(AS)702 D	Ground Floor Shower Room layout	
J10206_Ardmore	Finnjoist (FJI) Kerto LVL	
Q17388AF	Roof Truss Layout	
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)06-12 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)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)14-03 A	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)15-02 A	External Door Detail Level Access Threshold Polished Slab Finish	
DET(TK)29-01	Timber Kit Hold Down strap Detail	
DET(TK)29-01	Typical Roof Fixing Details Page 1	
DET(TK)29-02	Typical Roof Fixing Details Page 2	
DET(TK)29-03	Typical Roof Fixing Details Page 2	
DET(TK)29-05 CAS 8499 21	Typical Roof Fixing Details Page 4 Vent Axia Ardmore 950SD	





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	Ardmore		
	Bronze Level			
	BRE report	Intermediate Floor sound test		
	Sound test c/03/5L/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			
	U-value calculation	Floor – ARDMORE 0.16		
	U-value calculation	Floor – exposed flor 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		

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

Appendix A **Regulation 9** Decision **STAS Condition** Provisions on which dispensation is given Technical Standard 3.12 Sanitary facilities (Domestic) Robust walls to structural Walls adjacent to any Every building must be designed and constructed in such a engineers specification (Bill sanitary facility shall be way that sanitary facilities are provided for all occupants of, Henderson Consulting constructed to Bill and visitors to, the building in a form that allows convenience Engineer Ltd letter and fixing Henderson Consulting of use and that there is no threat to the health and safety of specification dated 7 March Engineer Ltd letter and fixing specification dated 7 March 2017) occupants or visitors. 2017) 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