

Local Authority Building Standards Scotland [LABSS]



formerly the Scottish Association of Building Standards Managers [SABSM]

House Type Approval Certificate

 Certificate No:
 STAS/18/015/DM50/05/AMD03

 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: Cramond – 4B 1410dt 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

Wind: (as defined in BS 6399-2)	Standard effective wind speed, Ve =	44.1 m/s
	For maximum effective height =	10.0m
	Has funnelling been considered?	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 =	0.75 Kn/m2
	Influenced by adjacent buildings?	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:	Zone 4
	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)	NO
Design Life: (per BS 7543 –	Category of building design life =	60 years
Durability of buildings and building		-
elements, products and	Design life of primary building envelope	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
- 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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Annexe of drawings, certificates and specification documents used in the assessment:

F	Drawing Number:	Description:	
	1410dt (AS)000	Cover sheet drawing list	
	1410dt (AS)001 C	Schedules	
	1410dt (AS)101 B	Plot Works Layout	
	1410dt (AS)205 C	Foul Water Drainage Isometric	
	1410dt (AS)301 P	General Floor General Arrangement	
	1410dt (AS)302 J	First Floor General Arrangement	
	1410dt (AS)324 M	Ground Floor Services Layout, Gas & Air Source Heat Pump Hybrid Heating	
	1410dt (AS)306 Q	First Floor Services Layout	
	1410dt (AS)421 G	Elevations – Standard Arrangement, Gas & Air Source Heat Pump Hybrid	
	1410dt (AO)421 O	Heating	
-	1410dt (AS)501 B	Section A-A	
	1410dt (AS)501 B	Section B-B	
_	1410dt (AS)503 -	Stair Sections	
	1410dt (AS)503 - 1410dt (AS)504 B	Stair Plans	
	1410dt (AS)601 C	Floor Joist Layout	
	1410dt (AS)602 -	Roof Plan	
	1410dt (AS)701 H	Accessible Cloakroom Layout	
	J1000 Crammond	Finnjoist (FJI) Kerto LVL	
	Q12593AL	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		
	DET(TK)03-01 B	Timber Frame Typical Details Suspended Slab Ground Floor Detail with Suspended Slab, Polished Finish	
		Ground Floor Detail with Ground Bearing Slab, Polished Finish	
	DET(TK)03-02 A		
	DET(TK)03-07 B	Dwarf Wall Detail with Suspended Slab, Polished Finish Garage Floor Detail External Wall, Internal & External Corner Detail	
	DET(TK)03-16		
	DET(TK)04-02 B DET(TK)05-01 C	Typical Cavity Barrier Positions	
	DET(TK)03-01 C	Mid Floor Detail at External Wall, Parallel Joists	
		Mid Floor Detail at External Wall, Perpendicular Joists Mid Floor Detail at External Wall, Perpendicular Joists	
	DET(TK)08-02 B	Mid Floor Detail at External Wall, Parallel Joists Mid Floor Detail at External Wall, Parallel Joists	
	DET(TK)08-03 B 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)11-10 B	Verge Detail	
	DET(TK)11-12 B	GRP Valley Detail	
	DET(TK)14-01 B	Window Cill Detail – Ground Floor, Render	
	DET(TK)14-01 B	Window Cill Detail – Ground Floor, Kender Window Cill Detail – First Floor, Render	
	DET(TK)14-02 B	Window Jamb Detail – Render	
	DET(TK)14-07 B DET(TK)14-08 B	Window Head Detail – Ground Floor, Render Window Head Detail – First Floor, Render	
	DET(TK)14-06 B	External Door Detail Level Access Threshold Polished Slab Finish	
		External Door Detail Stepped Access Threshold Polished Slab Finish	
	DET(TK)15-02 A 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)29-02 DET(TK)29-03	Typical Roof Fixing Details Page 1 Typical Roof Fixing Details Page 2	
	DET(TK)29-03 DET(TK)29-04	Typical Roof Fixing Details Page 2 Typical Roof Fixing Details Page 3	
	DET(TK)29-04 DET(TK)29-05	Typical Roof Fixing Details Page 3 Typical Roof Fixing Details Page 4	
	CAS 8499 08	Vent Axia Cramond 1410DT	
		Structural overlay	
	608 SK(CRAM)20 Rev A	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	71	
	Frame		
	Hybrid Air Source Heat Pump & Gas Central		
	Heating, Date 01/01/2019		
	Stroma SAP ratings 2012	For all house types	
		Moda letter dated 17 December 2018	
	Sustainability	Cramond	
	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		
	Bill Henderson Consulting Engineer Ltd	Notes for Timber Kit manufacture	
	Calculation Sheet 608(ii)W2		
	U-value calculation Floor – CRAMOND 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:	Dallie-	
		Lead Authority Building standards Manager on behalf of the Local Authority Building Standards Scotland (LABSS)		

2017

Appendix A

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)