

## House Type Approval Certificate

Certificate No: **STAS/12/043/DM34/10**

Date: **11 March 2013**

<b>A</b>	<b>Certificate Holder:</b>
	Bellway Homes Ltd Scotland, Bothwell House, Hamilton Business Park, Caird Street, HAMILTON, ML3 0QA E-mail: ted.russell@bellway.co.uk Tel: 01698 477440

<b>B</b>	<b>House Type Titles:</b>
	Description: <b>MUIRFIELD Trad 01</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</i> effective wind speed, $V_e =$ For maximum effective height = Has funnelling been considered?	<b>24 m/s</b> <b>8 m</b> <b>NO</b>
	<b>Wind:</b> (as defined in CP3: Chapter V)	<i>Design wind speed</i> , $V_s =$ (relevant to the building frame, at a height of 3m or less)	<b>N/A</b>
	<b>Snow:</b> (as defined in BS 6399-3)	<i>Site snow load</i> , $S_o =$ 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 4</b>  <b>No</b>
<b>Design Life:</b> (per BS 7543 – Durability of buildings and building elements, products and components)	Category of building design life =	<b>Unlimited</b>	
	Design life of primary building envelope	<b>Unlimited</b>	

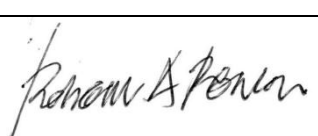
<b>E</b>	<b>Conditions of certification:</b>
	1. The design shown and the specifications and materials referred to have been assessed and approved in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Domestic Technical Handbooks which came into force with effect from 1 October 2011.
	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 Dougall Baillie Associates Statement of Structural Adequacy referenced here under Section H, 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. Confirmation of a holistic approach to structural adequacy of the <u>entire completed building</u> 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:**

<b>F</b>	<b>Drawing Number:</b>	<b>Description:</b>
	MUIRFIELD Trad 001A	GA's- PLANS, ELEVATIONS & SECTION
	MUIRFIELD Truss 040A	ROOF TRUSS and PROFILES
	0001 MUIR #	FIRST FLOOR JOIST LAYOUT
	11185-05	Heating Layout
	11185-06	Heating Layout
	11185-07	Heating Layout
	11185-08	Heating Layout

<b>G</b>	<b>Certification</b>	
	Statement of Structural Adequacy – Job No. 12037	Dougall Baillie Associates dated 4 March 2013

<b>H</b>	<b>Specification</b>	
	Section 6 – Regulation Compliance Report	
	Floor – U-value Calculations	
	Catnic detailed schedule (321089)	
	Crawford Architectural Design Services – Summary Elemental Specification for SAP	
	Manthorpe Building Products – Product information sheet – Drop Down Loft Door.	
	Manufacturer’s information – Ideal Boilers	
	Manufacturer’s information – Kingspan Range Tribune HE Unvented Hot Water Cylinders	

<b>I</b>	<b>Authority:</b>	
	This system type approval certificate consisting of 2 pages is authorised by:	Signature: 
		<b>Robert A Renton, Secretary to STAS</b> on behalf of the Local Authority Building Standards Scotland (LABSS)

APPROVED 11 MARCH 2013