

## House Type Approval Certificate

Certificate No: **STAS/14/043/DM44/01**

Date: **18 August 2014**

<b>A</b>	<b>Certificate Holder:</b>
	<p><b>Bellway Homes Ltd Scotland, Bothwell House, Hamilton Business Park, Caird Street, HAMILTON, ML3 0QA</b> E-mail: <a href="mailto:ted.russell@bellway.co.uk">ted.russell@bellway.co.uk</a> <span style="float: right;">Tel: 01698 477440</span></p>


<b>B</b>	<b>House Type Titles:</b>
	<p>Description: <b>AVONDALE Timber frame 2014</b></p>

<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 effective wind speed, <math>V_e</math> =</i> 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, <math>V_s</math> =</i> (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, <math>S_o</math> =</i> 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 Zone 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 2013.
	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 G, confirm that a structural appraisal has been carried out. It confirms that further site specific information <b>MUST BE</b> 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>
	AVONDALE (2014)TKIT 01 Rev D	GA's, plans, elevations and sections
	TFb101/ 001 rev C	Timber frame layouts
	TFb101/ 002	Timber framing
	ENG TF 010	Timber kit foundation
	ENG TF 012	Timber kit elevations
<b>G</b>	<b>Certification</b>	
	Statement of Structural Adequacy – Job No. 12037	Dougall Baillie Associates dated 8 March 2014
<b>H</b>	<b>Specification</b>	
	Bellway Warrant Spec Timber Frame Rev B	
	Section 6 – Regulation Compliance Report	March 2014
	Floor – U-value Calculations	March 2014
	Standard Details	Refer to related drawing register dated 11/08/2014
<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)