

## House Type Approval Certificate

Certificate No: **STAS/14/056/DM46/01R**  
Date: **1 August 2014**

<b>A</b>	<b>Certificate Holder:</b>	
	Barratt Homes North Scotland, Blairton House, Old Aberdeen Road, Balmedie, Aberdeenshire, AB23 8SH E-mail: david.beverley@barratthomes.co.uk Tel: 01358 741363	

<b>B</b>	<b>House Type Titles:</b>	
	Description:	<b>2012/S/BFU/01 Balfour House Types Reference:</b> BBFU 0S2E (END TERRACE) BBFU 0S2M (MID TERRACE) BBFU 0S2S (SEMI)

<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)	Standard effective wind speed, $V_e$ = For maximum effective height = Has funnelling been considered?	41.4 m/s 8.5 m NO
	<b>Wind:</b> (as defined in CP3: Chapter V)	Design wind speed, $V_s$ = (relevant to the building frame, at a height of 3m or less)	N/A
	<b>Snow:</b> (as defined in BS 6399-3)	Site snow load, $S_o$ = Influenced by adjacent buildings?	0.64 Kn/m2 No
	<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)	Exposure Zones 1, 2, 3 and 4  No
	<b>Design Life:</b> (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

<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 Fairhurst letter dated 8 May 2014 reference 100982-STAS.ltr01-Balfour.js 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:**

F	Drawing Number:	Description:
	2012/S/BFU/01D	Planning
	2012/S/BFU/02D	Elevations
	2012/S/BFU/03E	Ground Floor Plan
	2012/S/BFU/04C	First Floor Plan
	2012/S/BFU/05D	Foundation Plan
	2012/S/BFU/06A	Joist Plan
	2012/S/BFU/07A	Roof Plan
	2012/S/BFU/08B	Section A-A
	2012/S/BFU/09A	Kitchen Plan
	2012/S/BFU/10X	Bedroom 2 Activity Spaces
	2012/S/BFU/RV1X	Revision Index
	Structural Engineers Drawings	
100982-3002B	Foundation End & Mid Terrace	
100982-3102X	Foundation End Terrace	
100982-3103X	Foundation End Terrace Handed	
100982-3104X	Foundation Mid Terrace	
100982-3105X	Foundation Mid Terrace Handed	
100982-4002B	Lintel Layout	
100982-4202A	Movement Joint	
100982-4402A	Timber Kit Appraisal	

G	Certification	
	Statement of Structural Adequacy	Fairhurst letter dated 8 May 2014 reference 100982-STAS.ltr01-Balfour
	DER 2009 Worksheet	Balfour Semi Assessor 3539 – Report dated 18 October 2012 – 5 page Draft Report
	SAP 2009 Worksheet	Balfour Semi Assessor 3539 – Report dated 18 October 2012 – 6 page Draft Report
	SAP Data Input Report	Balfour Semi Assessor 3539 – Report dated 18 October 2012 – 4 page Draft Report
	Section 6: Regulations Compliance Report	Balfour Semi Assessor 3539 – Report dated 18 October 2012 – 2 page Draft Report

H	Specification	
	Barratt Developments PLC	Specification for Scotland – Caledonia & Alba Range – 2013 Standards - Detached and Attached Two & Three Storey Timber Frame Houses – David Wilson Homes – 23 page Document dated 11 October 2013 Reference Revision G
Barratt Developments PLC	Addendum to Standard Specification – 8 page Document dated 7 April 2014 reference DBev	

I	Authority:	Signature:
	This system type approval certificate consisting of 2 pages is authorised by:	