

## House Type Approval Certificate

Certificate No: **STAS/19/O56/DM99/15**  
Date: **05 December 2019**

<b>A</b>	<b>Certificate Holder:</b>	
	<b>Barratt East Scotland Telford House, 3 New Mid Cutlins, EDINBURGH EH11 4DH</b> E-mail: <a href="mailto:matthew.watson@barratthomes.co.uk">matthew.watson@barratthomes.co.uk</a> Tel: 0131 442 5700	

<b>B</b>	<b>House Type Titles:</b>	
	Description: <b>2017 Standards</b>	<b>CALLANDER T366-S8 END</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)	Standard effective wind speed, $V_e$ = For maximum effective height = Has funnelling been considered?	<b>41.4 m/s</b> <b>8.5 m</b> <b>NO</b>
	<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)	<b>N/A</b>
	<b>Snow:</b> (as defined in BS 6399-3)	Site snow load, $S_o$ = Influenced by adjacent buildings?	<b>0.64 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 1, 2, 3 and 4</b>  <b>Yes/No</b>
	<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	<b>60 years</b>  <b>60 years</b>

<b>E</b>	<b>Conditions of certification:</b>	
	<ol style="list-style-type: none"> <li>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.</li> <li>2. The certificate shall be valid until invalidated by formal notice by the Local Authority Building Standards Scotland</li> <li>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.</li> <li>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.</li> <li>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</li> <li>6. Bayne Stevenson Associates Ltd Statement of Structural Adequacy dated May 2019 referenced here under Section G, confirms 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 <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.</li> </ol>	

<b>F</b>	<b>Authority:</b>	
	This system type approval certificate consisting of 2 pages is authorised by:	ANGUS COUNCIL as Lead Authority on behalf of the Local Authority Building Standards Scotland (LABSS)

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

G	Certification	
	Bayne Stevenson Associates Ltd - Statement of Structural Adequacy dated May 2019 – SER1-DB-0288	Job No. J3497 DWH 2018 House Type Range (Hipped roofs) - H408/H411/H421/H454/H469/P370E/P370I/T368E/T368I/H417/H433/H436/H453/H350/T366E/T366I
	Regulation Compliance Report  DER 2009 Worksheet  TER 2009 Worksheet	Scotland Section 6 - Regulations Compliance Report  <b>CALLANDER T366RES7 EOT</b> Section 6 2017 Timber Frame, Partial Stone, 0.270kWp Panel – East / West  <b>CALLANDER T366RES7 EOT</b> Section 6 2017 Timber Frame, Partial Stone, 0.270kWp Panel – East / West
	Front Elevation Rear Elevation	Eco2Solar - Solar PV Arrangement – T366-RES7 Eco2Solar – Solar PV Arrangement – T366-RES7

H	Specification	
	BARRATT SCOTLAND Specification Caledonia & Alba Range 2017 Technical Standards	Barratt North Scotland -18 Timber Frame Specification 08.03.19 update 251019 Scotland Timber Frame Specification - Addendum

I	Drawing Number:	Description:
	T366RES8 Callander	
	T366RES801	Data Sheet
	T366RES802A	Elevations
	T366RES803A	Ground Floor Plan
	T366RES804	First Floor Plan
	T366RES804	Second Floor Plan
	T366RES805	Foundation Plan
	T366RES806	Joist Plan
	T366RES807	FF Joist Plan
	T366RES808A	Roof Plan
	T366RES809	Section A-A
	T366RES810	Kitchen Layout Plan
	T366RES811	Kitchen Layout Plan Upgrade
	T366RES812	Future Shower Room
	T366RES813A	Planning Drawings 1 of 2
	Structural Engineer's Booklet and Drawings	
	J3497 – 139A	T366RES8 Loadings, Foundation & Ground Floor Slab Layout
	J3497 – 293C	T366RES8 Superstructure
	J3497 – 294A	T366RES8 Loadings, Details & Notes
	Coates Heating & Hot Water	
	17/034 - 187	Heating Installation GF
	17/034 - 188	Heating Installation FF
	17/034 - 189	Heating Installation SF
	17/034 - 190	Hot & Cold Water GF
	17/034 - 191	Hot & Cold Water FF
	17/034 - 192	Hot & Cold Water SF