

## House Type Approval Certificate

Certificate No: **STAS/18/083/DM94/02**  
Date: **08 April 2019**

<b>A</b>	<b>Certificate Holder:</b>
	Dandara Ltd., Isle of Man Business Park, Cooil Road, Bradden, Isle of Man IM2 2SA per Dandara Ltd., 16 Beech Manor, Stoneywood, ABERDEEN AB21 9AZ E-mail: jmcintosh@dandara.com <span style="float: right;">Tel: 01224 713 713</span>

<b>B</b>	<b>House Type Titles:</b>
	Description: <b>DANDARA 2018 POPLAR 3</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?	45.1 m/s 9.0m 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)	<b>Zone 1 / Zone 2 / Zone 3 / Zone 4</b> <b>To be determined by site to site basis</b>  <b>To be determined by site to site basis</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>
	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.
	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 A. Ramsay BSc(Hons) CEng MStructE MICE statement dated January 2019 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 <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.



<b>G</b>	<b>Certification:</b>	
	<b>Statement of structural adequacy</b>	From A. Ramsay BSc(Hons) CEng MStructE MICE Consulting Engineer Ltd dated January 2019
<b>H</b>	<b>Specification:</b>	
	<b>Section 6 Energy</b>	Generic (worst case in terms of location and orientation) SAP calculations have been produced for each house type, on the basis that plot specific SAPs will be submitted to relevant local authority for individual projects and to demonstrate a pass is achievable.
	<b>STAS_Transmittal 31-01-2019</b>	
	<b>STAS_NOTES_100_CONSTRUCTION NOTES</b>	
<b>I</b>	<b>Authority:</b>	
	This system type approval certificate consisting of 3 pages is authorised by:	Signature: <b>Gordon Spence</b> Lead Authority Building Standards Manager on behalf of the Local Authority Building Standards Scotland (LABSS)

Approved 05 April 2019