House Type Approval Certificate

Certificate No: **STAS/19/083/DM97/02**

Date: **22 May 2019**

A **Certificate Holder:**

Dandara Ltd
16 Beech Manor, Stoneywood, ABERDEEN AB21 9AZ
E-mail: jmcintosh@dandara.com **Tel: 01224 713 713**

B **House Type Titles:**

Description:	**MAPLE SEMI-DETACHED**

C The domestic type approval has been assessed on the following drawings and specifications:

See attached annexe to this certificate

D **Climatic conditions:** The design may be built in areas where the climatic conditions are equal to or less than those detailed below:

Wind: (as defined in BS 6399-2)	*Standard* effective wind speed, Ve = For maximum effective height = Has funnelling been considered?	**45.1m/s** **9.0m** **No**
Wind: (as defined in CP3: Chapter V)	*Design wind speed, Vs* = (relevant to the building frame, at a height of 3m or less)	**N/A**
Snow: (as defined in BS 6399-3)	*Site* snow load, So = Influenced by adjacent buildings?	**0.64kN/m2** **No**
Resistance to moisture/durability of exposed elements:	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 - To be determined by site to site basis** **To be determined by site to site basis**
Design Life: (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**

E **Conditions of certification:**

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 Dandara Statement of Structural Adequacy (dated 17 Jan 2019) referenced here under Section G, confirms 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 (January 2017). 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:**	**Revision:**	**Description:**
	Dandara plans:		
	STAS_MAP_355	-	MAPLE GROUND FLOOR PLANS_SEMI-DETACHED
	STAS_MAP_356	-	MAPLE FIRST FLOOR PLANS_SEMI-DETACHED
	STAS_MAP_400	-	MAPLE SECTIONS
	STAS_MAP_401	-	MAPLE SECTIONS (HANDED)
	STAS_MAP_457	-	MAPLE ELEVATIONS_SEMI-DETACHED
	SAP submission:		
	SAP MAPLE	-	2019.04.01_MAPLE SEMI STAS

G	**Certification**	
	Dandara Statement Of Structural Adequacy	**STATEMENT OF STRUCTURAL ADEQUACY.pdf** From A. Ramsay BSc(Hons) CEng MIStructE MICE dated March 2017

H	**Specification**			
	Dandara specification (dated May 2019)		**CONSTRUCTION NOTES-22-05-19.pdf**	
	Standard details			
	Dandara Standard Details		**DANDARA STANDARD DETAILS.PDF comprising of:**	
	A_CND_FDN_003-C10	SLAB BLOCKWORK AND RENDER.PDF	A_CND_R_019-C0	SPLAYED ROOF VALLEY
	A_CND_FLR_001-C0	INTERMEDIATE FLOOR FYFESTONE DETAIL	A_CND_W&D_003-C0	DOOR HEAD RENDERED FINISH
	A_CND_FLR_002-C0	INTERMEDIATE FLOOR BLOCK & RENDER DETAIL	A_CND_W&D_004-C0	DOOR HEAD FYFESTONE
	A_CND_FLR_003-C0	INTERMEDIATE FLOOR FYFESTONE DETAIL	A_CND_W&D_005-C0	WINDOW CILL RENDERED FINISH
	A_CND_FLR_004-C0	INTERMEDIATE FLOOR BLOCK & RENDER DETAIL	A_CND_W&D_006-C0	WINDOW CILL FYFESTONE
	A_CND_FLR-005-C0	SEPERATING PARTY WALL	A_CND_W&D_007-C0	WINDOW HEAD RENDERED FINISH
	A_CND_R_001-C0	EAVES AT WINDOW HEAD BLOCKWORK & RENDER DETAIL	A_CND_W&D_008-C0	WINDOW HEAD FYFESTONE FINISH
	A_CND_R_002-C0	EAVES AT WINDOW HEAD FYFESTONE DETAIL	A_CND_W&D_013-C0	FRONT DOOR JAMB RENDER & FYFESTONE DETAIL
	A_CND_R_005-C0	DRY VERGE BLOCKWORK & RENDER DETAIL	A_CND_W&D_016-C0	WINDOW JAMB RENDER & FYFESTONE DETAIL
	A_CND_R_006-C0	DRY VERGE FYFESTONE DETAIL	A_CND_WA_003-C0	140MM LOAD BEARING STUD WALL JUNCTION WITH BLOCKWORK
	A_CND_R_007-C0	TYPICAL RIDGE DETAIL	A_CND_WA_011-C0	PIPE BOXING DETAIL
	A_CND_R_008-C0	EAVES (RAKING SOFFIT) AT WINDOW HEAD BLOCKWORK & RENDER DETAIL	A_CND_WA_013-C0	PARTY WALL JUNCTION DETAIL
	A_CND_R_009-C0	EAVES (RAKING SOFFIT) AT WINDOW HEAD FYFESTONE DETAIL	A_CND_WA_014-C0	PARTY WALL JUNCTION WITH BOILER DETAIL
	A_CND_R_015-C0	ROOF ABUTMENT RENDER PANEL DETAIL	A_CND_WA_020-C0	STEPPED PARTY WALL ROOF VERGE
	A_CND_R_016-C0	PARTY WALL CEILING JUNCTION	JJI	ACOUSTIC PERFORMANCE OF 220MM JJI JOIST FLOOR
	A_CND_R_017-C0	PARTY WALL TO ROOF JUNCTION	VUT 421	SEPARATING WALL ROOF DETAIL EAVES CLOSER
	Bridging details			
	Scotframe bridging details		**SCOTFRAME BRIDGING DETAILS.PDF comprising of:**	
	PARTY WALL	EXTERNAL WALL OP	PARTY WALL	WALL HEAD
	PARTY WALL	GROUND FLOOR	PSI VALUES FOR OPEN PANEL SYSTEMS	V4 DEC 2014
	PARTY WALL	INTERNAL FLOOR		

I	**Authority:**		
	This system type approval certificate consisting of 3 pages is authorised by:	Signature:	
			Robert A Renton, Secretary to STAS on behalf of the Local Authority Building Standards Scotland (LABSS)