

House Type Approval Certificate

Certificate No: **STAS/19/083/DM98/03**

Date: **03 July 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:	DRUM

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, V_e = For maximum effective height = Has funnelling been considered?	45.1m/s 9.0m No
	Wind: (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
	Snow: (as defined in BS 6399-3)	Site snow load, S_o = 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:	
	<ol style="list-style-type: none"> 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. The certificate shall be valid until invalidated by formal notice by the Local Authority Building Standards Scotland 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. 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. 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 The Dandara Statement of Structural Adequacy (dated March 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_DRU_350	-	DRUM FLOOR PLANS_LH END STANDARD.PDF
	STAS_DRU_351	-	DRUM FLOOR PLANS_RH END HANDED.PDF
	STAS_DRU_352	-	DRUM FLOOR PLANS_MID TERRACE STANDARD.PDF
	STAS_DRU_353	-	DRUM FLOOR PLANS_MID TERRACE HANDED.PDF
	STAS_DRU_354	-	DRUM FLOOR PLANS_RH END STANDARD.PDF
	STAS_DRU_355	-	DRUM FLOOR PLANS_LH END HANDED.PDF
	STAS_DRU_360	-	DRUM SEMI-DETACHED FLOOR PLANS.PDF
	STAS_DRU_400	-	DRUM SECTIONS STANDARD.PDF
	STAS_DRU_401	-	DRUM SECTIONS HANDED.PDF
	STAS_DRU_450	-	DRUM ELEVATIONS LH END-FLAT.PDF
	STAS_DRU_451	-	DRUM ELEVATIONS LH END-FLAT.PDF
	STAS_DRU_452	-	DRUM ELEVATIONS MID-FLAT.PDF
	STAS_DRU_453	-	DRUM ELEVATIONS MID-FLAT.PDF
	STAS_DRU_454	-	DRUM ELEVATIONS RH END-FLAT.PDF
	STAS_DRU_455	-	DRUM ELEVATIONS RH END-FLAT.PDF
	STAS_DRU_456	-	DRUM ELEVATIONS LH END-LEAN TO.PDF
	STAS_DRU_457	-	DRUM ELEVATIONS LH END-LEAN TO.PDF
	STAS_DRU_458	-	DRUM ELEVATIONS MID-LEAN TO.PDF
	STAS_DRU_459	-	DRUM ELEVATIONS MID-LEAN TO.PDF
	STAS_DRU_460	-	DRUM ELEVATIONS RH END-LEAN TO.PDF
	STAS_DRU_461	-	DRUM ELEVATIONS RH END-LEAN TO.PDF
	STAS_DRU_462	-	DRUM ELEVATIONS LH END-PITCHED.PDF
	STAS_DRU_463	-	DRUM ELEVATIONS LH END-PITCHED.PDF
	STAS_DRU_464	-	DRUM ELEVATIONS MID-PITCHED.PDF
	STAS_DRU_465	-	DRUM ELEVATIONS MID-PITCHED.PDF
	STAS_DRU_466	-	DRUM ELEVATIONS RH END-PITCHED.PDF
	STAS_DRU_467	-	DRUM ELEVATIONS RH END-PITCHED.PDF
	STAS_DRU_470	-	DRUM SEMI-DETACHED ELEVATIONS-FLAT.PDF
	STAS_DRU_471	-	DRUM SEMI-DETACHED ELEVATIONS-FLAT.PDF
	STAS_DRU_472	-	DRUM SEMI-DETACHED ELEVATIONS-LEAN TO.PDF
	STAS_DRU_473	-	DRUM SEMI-DETACHED ELEVATIONS-LEAN TO.PDF
	STAS_DRU_474	-	DRUM SEMI-DETACHED ELEVATIONS-PITCHED.PDF
	STAS_DRU_475	-	DRUM SEMI-DETACHED ELEVATIONS-PITCHED.PDF
	SAP submission:		
	DRUM SAP	-	DRUM SAP.PDF
G	Certification		
	Dandara Statement Of Structural Adequacy		STATEMENT OF STRUCTURAL ADEQUACY.PDF From A. Ramsay BSc(Hons) CEng MStructE MICE dated March 2019

H	Specification			
	Dandara specification (dated 02 July 2019)	STAS_NOTES_100_CONSTRUCTION NOTES - 02.07.19.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
		PARTY WALL	GROUND FLOOR	WALL HEAD
		PARTY WALL	INTERNAL FLOOR	PSI VALUES FOR V4 DEC 2014
				OPEN PANEL SYSTEMS

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)