

House Type Approval Certificate

Certificate No: **STAS/11/038/DM31/07**

Date: **19 December 2012**


A	Certificate Holder:	
	Taylor Wimpey East Scotland, 4 Masterton Park, DUNFERMLINE KY11 8PL E-mail: gareth.buchan@taylorwimpey.com	Tel: 01383 845700

B	House Type Titles:	
	Description: 3 Bedroom detached with integral garage.	CHALMERS 2

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?	44 m/s 9.82 m 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?	0.75 Kn/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 Zone 4 YES
	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 October 2011. 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 T. Lawrie and Partners Consulting Engineers Statement of Structural Adequacy referenced here under Section H, 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. 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.

F	Authority:	
	This type approval certificate consisting of 2 pages is authorised by:	Signature: 
Robert A Renton, Secretary to STAS on behalf of the Local Authority Building Standards Scotland (LABSS)		

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

G	Drawing Number:	Description:			
	CHA-2/00.00	CONTENTS SHEET	NTS	A3	H
	CHA-2 / 00.01	SUPPLIERS DRAWINGS	NTS	A3	A
	CHA-2 / 00.02	REVISION SHEET	NTS	A3	H
	1713-2005	SUSPENDED SLAB LAYOUT	1:50	A3	-
	CHA-2 / PL1	PLANNING DRAWING - FLOOR PLAN - MONO	1:100	A3	-
	CHA-2 / PL2	PLANNING DRAWING - ELEVATIONS BRICK - MONO	1:100	A3	-
	CHA-2 / PL4	PLANNING DRAWING - ELEVATIONS BRICK - COLOUR	1:100	A3	B
	CHA-2 / PL5	PLANNING DRAWING - ELEVATIONS BRICK - COLOUR	1:100	A3	B
	CHA-2 / PL6	PLANNING DRAWING - ELEVATIONS BRICK - COLOUR	1:100	A3	B
	CHA-2 / PL7	PLANNING DRAWING - ELEVATIONS PART RENDER - COLOUR	1:100	A3	B
	CHA-2 / PL8	PLANNING DRAWING - ELEVATIONS PART RENDER - COLOUR	1:100	A3	A
	CHA-2 / PL9	PLANNING DRAWING - ELEVATIONS PART RENDER - COLOUR	1:100	A3	A
	CHA-2 / PL10	PLANNING DRAWING - ELEVATIONS FULL RENDER - COLOUR	1:100	A3	A
	CHA-2 / PL11	PLANNING DRAWING - ELEVATIONS FULL RENDER - COLOUR	1:100	A3	A
	CHA-2 / PL12	PLANNING DRAWING - ELEVATIONS FULL RENDER - COLOUR	1:100	A3	A
	CHA-2 / PL13	PLANNING DRAWING - ELEVATIONS FULL RENDER - COLOUR	1:100	A3	A
	CHA-2 / 01.01	SUB STRUCTURE	1:50	A3	B
	CHA-2 / 02.01	GROUND FLOOR PLAN	1:50	A3	G
	CHA-2 / 02.02	FIRST FLOOR PLAN	1:50	A3	D
	CHA-2 / 03.01	INDICATIVE JOIST LAYOUT	1:50	A3	A
	CHA-2 / 04.01	INDICATIVE ROOF LAYOUT	1:50	A3	A
	CHA-2 / 04.02	INDICATIVE ROOF LAYOUT - RENDER	1:50	A3	A
	CHA-2 / 05.01	DETAILED ELEVATIONS	1:100	A3	E
	CHA-2 / 05.02	DETAILED ELEVATIONS	1:100	A3	D
	CHA-2 / 05.03	DETAILED ELEVATIONS	1:100	A3	D
	CHA-2 / 06.01	VERTICAL SECTION A-A	1:50	A3	C
	CHA-2 / 07.01	STAIRCASE SECTION	1:20	A3	A
	CHA-2 / 08.01	WINDOW, DOOR AND LINTEL SCHEDULE	NTS	A3	B
	CHA-2 / 09.01	BATHROOM & WC ELEVATIONS	1:50	A3	A
	CHA-2 / 10.01	KITCHEN ELEVATIONS	1:50 & 1:25	A3	B
	CHA-2 / 11.01	COMPLIANCE DRAWING - GROUND FLOOR	1:50	A3	-
	CHA-2 / 11.02	COMPLIANCE DRAWING - FIRST FLOOR	1:50	A3	A
	CHA-2/OPTIONS	OPTIONS PLAN	NTS	A3	-
	1713-3000	BRACED PARTITION DETAILS	NTS	A3	B
	1713-3001	HOLDING DOWN STRAP DETAIL	NTS	A3	B
	1713-3002	LATERAL RESTRAINT STRAP DETAIL	NTS	A3	B
	1713-3003-1	MOVEMENT JOINTS DETAILS	NTS	A3	B
	2011/SPEC/01	2011 HOUSE TYPE RANGE SPECIFICATION SHEET 1 OF 2	NTS	A1	I
	2011/SPEC/02	2011 HOUSE TYPE RANGE SPECIFICATION SHEET 2 OF 2	NTS	A1	I
	SC11/CHAL2/45	CHALMERS 2 - FIRST FLOOR JOIST LAYOUT	1:50	A3	C
	Q96503CM	CHALMERS - ROOF TRUSS LAYOUT & PROFILES	1:50	A3	-
	CHA-2/02.01B	CHALMERS 2 - LINTEL SCHEDULE	NTS	A4	-
	A9848-7	CHALMERS 2 - DRAINAGE DESIGN	1:20	A3	-
	01	CHALMERS 2 - GREENWOOD VENTILATION LAYOUT	1:50	A3	B
	TW11SD-00.00	STANDARD DETAIL BOOK 2011 HOUSE TYPE RANGE			A
	4516-TWWS	CHALMERS 2 - SAP CALCULATION	NTS	A4	

H	Certification	
	Statement of Structural Adequacy	T. Lawrie and Partners Consulting Engineers.
	BBA Agreement (06/4360) for Stormking Plastics Ltd. prefabricated dormers.	
	SRL Technical Report (testing for impact and airborne sound for "I" joists).	
	BBA Agreement (01/3820) for Visqueen self-adhesive membranes.	

I	Specification	
	JJI-Joist Technical Information	Finnframe floor systems.
	Ideal Logic boiler.	Product Literature.
	Wavin Soil and Waste.	Product Literature.
	Greenwood Air Management	Product Literature.