

## House Type Approval Certificate

Certificate No: **STAS/20/005/DM104/01**

Date: **12 August 2020**

<b>A</b>	Certificate Holder:	
	Persimmon Homes West Scotland, 180 Findochty Street, Glasgow G33 5EP	
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<b>B</b>	House Type Titles:	
	Description:	<b>Kenmore (V6 house type) – 4 bedroom detached dwelling</b>

<b>C</b>	The domestic type approval has been assessed on the following drawings and specifications:	
	See attached annexe to this certificate	

<b>D</b>	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?	24 m/s 5m 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)	M/S
	Snow: (as defined in BS 6399-3)	Site snow load, $S_o =$ Influenced by adjacent buildings?	0.60 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)	Zone 1/ Zone 2/ Zone 3/Zone 4  NO
	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	50 years  50 years

<b>E</b>	Conditions of certification:	
	<ol style="list-style-type: none"> <li>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 2019.</li> <li>The certificate shall be valid until invalidated by formal notice by the Local Authority Building Standards Scotland.</li> <li>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>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>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>The Indev Consult Ltd statement dated 03/08/2020 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 (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.</li> <li>This certificate confirms compliance with mandatory standard 6.1. However, this is based on a notional 'worst case' criteria with regards to orientation, shading, sheltering and resultant PV array efficiency. Site specific information will be required to confirm the actual DER for the STAS approved house type on each plot on a particular site.</li> </ol>	


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

F	Drawing Number:	Description:
	V6-TF-1207d(15)001 rev C	Schedules
	V6-TF-1207d(15)101 rev A	Foundation & Drainage Layout
	V6-TF-1207d(15)102	Drainage isometric
	V6-TF-1207d(15)201 rev B	Ground floor layout
	V6-TF-1207d(15)202	First floor layout
	V6-TF-1207d(15)301	Section A-A
	V6-TF-1207d(15)302 rev A	Section B-B
	V6-TF-1207d(15)401 rev A	Elevations – BF1
	V6-TF-1207d(15)403 rev A	Elevations – BF3
	Kenmore V6 FF	First floor joist layout
	16-098-329 rev A	Structural details
	16-098-433 rev A	Structural layout
	TF-D(1)01	Ground Bearing Slab Detail
	TF-D(1)02	Suspended Slab Detail
	TF-D(1)03	GB Slab floating floor detail
	TF-D(1)04	Suspended slab floating floor detail
	TF-D(1)05 Rev A	Level Access Threshold Detail
	TF-D(1)06	Stepped Access Threshold Detail
	TF-D(1)14	Telescopic vent detail
	TF-D(1)15	Gas membrane detail
	TF-D(2)01	External Wall Make Up
	TF-D(2)02 Rev D	Stepped Brick Soldier Course Cill Detail
	TF-D(2)03 Rev D	Brick Jamb Detail
	TF-D(2)04 Rev D	Brick Head Detail
	TF-D(2)05 Rev D	Precast Cill Detail
	TF-D(2)06 Rev D	Precast Jamb Detail
	TF-D(2)07 Rev D	Precast Head Detail
	TF-D(2)10	Expansion Joint Detail
	TF-D(2)23	Window aperture cavity closer
	TF-D(3)01	Standard Internal Wall Make Ups (Section)
	TF-D(3)02	Standard Internal Wall Make Ups (Plan)
	TF-D(3)03	Acoustic Internal Wall Make Ups (Section)
	TF-D(3)04 rev A	Accessible Sanitary Accommodation Grab Rails
	TF-D(4)01 Rev A	Standard Mid Floor Make-Up
	TF-D(4)02 Rev A	Perpendicular Joist Mid Floor Junction at External Wall
	TF-D(4)03 Rev A	Parallel Joist Mid Floor Junction at External Wall
	TF-D(4)06 Rev B	Stair Trimmer Detail
	TF-D(4)07	Rim board with additional OSB
	TF-D(5)01 Rev D	Standard Eaves Detail
	TF-D(5)02 Rev B	Standard Eaves at Window Head Detail
	TF-D(5)03 Rev D	Standard Verge Detail
	TF-D(5)04 Rev A	Standard Ridge Detail
	TF-D(5)05 Rev A	Standard Valley Detail
	TF-D(5)09 Rev A	Condensation trap to Eaves Detail
	TF-D(5)15	Flexible Ducting Installation
	TF-D(6)01	SVP Box-In Detail
	TF-D(6)02	Gas duct detail
	TF-D(6)03	Wet Floor Formation Detail
	TF-D(6)04	Drainage Pipe Backfill Detail
	TF-D(6)05	Wall Mounted Combi Boiler Detail
	TF-D(6)06 Rev B	Service Zone for Low Level/Below Cills
	TF-D(6)08	In Building Infrastructure Detail
	TF-D(7)01	Internal Door Jamb Detail
	TF-D(7)02	External & Internal Pass Door Clearances
	TF-D(7)03	Canopy Post Detail
	TF-D(7)04	External step details – above 600mm
	TF-D(7)07	Shower Tray at Base detail
	TF-D(7)08	Downlight at shower upgrade detail
	TF-D(7)09	Pigs Ear' Handrail Detail

	TF-D(7)14	Bedroom Furniture Activity Spaces
	20558/KEN/CH/01	Central Heating – ground floor
	20558/KEN/CH/02	Central Heating – first floor
	DHD/20/02558	Domestic heating equipment schedule
	20558/KEN/HC/01	Hot and cold water services – ground floor
	20558/KEN/HC/02	Hot and cold water services – first floor

<b>G</b>	<b>Certification:</b>	
	Statement of structural adequacy	From Indev Consult LTD dated 03/08/2020
	Caberdek	BBA certification

<b>H</b>	<b>Specification:</b>	
	STR-TF C SPEC V6 Rev L	V6 Technical Specification Timber Frame – All House Types
	JJI-Joist Technical Bulletin 38 Acoustic Performance	For Intermediate Floors
	JJI Details	For trimming
	Timloc loft hatch	Technical information
	SAP rating	For Kenmore V6
	U value calculations	For all elements

<b>I</b>	<b>Authority:</b>		
	This system type approval certificate consisting of 3 pages is authorised by:	Signature:	
		Lead Authority Building standards Manager on behalf of the Local Authority Building Standards Scotland (LABSS)	