

# Local Authority Building Standards Scotland [LABSS]



formerly the Scottish Association of Building Standards Managers [SABSM]

## House Type Approval Certificate

Certificate No: STAS/16/005/DM61/13

Date: 13 February 2018

Α	Certificate Holder:		
	Persimmon Homes,		
	E-mail: <a href="mailto:peter.Hacking@persimmonhomes.com">peter.Hacking@persimmonhomes.com</a>	теl: <b>0141 766 2616</b>	

В	House Type Titles:		
	Description:	Crammond	
		Detached two storey house (including options to external fabi	ric finishes)

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

See attached annexe to this certificate

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 =	24 m/s
	For maximum effective height =	5m
	Has funnelling been considered?	NO
Wind: (as defined in CP3: Chapter	Design wind speed, Vs = (relevant to the building frame, at a height of 3m or less)	M/S
· · /	(relevant to the building frame, at a neight of 3m of less)	
Snow: (as defined in BS 6399-3)	Site snow load, So =	0.60 Kn/m2
· · · · · · · · · · · · · · · · · · ·	Influenced by adjacent buildings?	NO
Resistance to moisture/durability	Max exposure (to wind driven rain) grading, as defined in BRE Report –	Zone 1/ Zone 2/ Zone 3
of exposed elements:	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)	NO
	entianceu resistance il applicable (refer to 03/343 for guidance)	NO
Design Life: (per BS 7543 –	Category of building design life =	50 years
Durability of buildings and building	outegory or building design ine -	oo years
elements, products and components)	Design life of primary building envelope	50 years

### E Conditions of certification:

- 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 Scott Bennett Associates (Group 2) Ltd statement dated 21/11/2016 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 (2017). Confirmation of a holistic approach to structural adequacy of the <a href="mailto:entire-ent
- 7. 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.





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

Drawing Number:	Description:
V6-TF-1146d(15)001 Rev C	Schedules & Electrical Legend
V6-TF-1146d(15)101 Rev A	Foundation & Drainage Layout
V6-TF-1146d(15)102	Drainage Isometric
V6-TF-1146d(15)201 Rev B	Ground Floor Plan
V6-TF-1146d(15)202 Rev B	First Floor Plan
V6-TF-1146d(15)301 Rev A	Section A-A
V6-TF-1146d(15)302	Section B-B
V6-TF-1146d(15)401 Rev B	Elevations - BF1
V6-TF-1146d(15)402 Rev B	Elevations - BF2
V6-TF-1146d(15)403 Rev B	Elevations - BF3
V6-TF-1146d(15)404 Rev B	Elevations - BF4
V6-TF-1146d(15)405 Rev B	Elevations - BF5
V6-TF-1146d(15)412 Rev B	Elevations - SF2
V6-TF-1146d(15)414 Rev B	Elevations - SF4
16-098-405 Rev C	
	Crammond Structural Layouts
TF1812/001 Rev B	Crammond Layout
TF1812/002	Crammond GF Panel Elevations
TF1812/003	Crammond FF Panel Elevations
TF1812/004	Crammond Apex Panels
JJI-CRAM-DET	JJI Layout
F-DETAILS-001	JJI Joist Details and Notching Parameters
TF-D(1)01	Ground Bearing Slab Detail
TF-D(1)02	Suspended Slab Detail
TF-D(1)05 Rev A	Level Access Threshold Detail
TF-D(1)06	Stepped Access Threshold Detail
TF-D(1)11	Dwarf Wall Detail
TF-D(2)01	External Wall Make Up
TF-D(2)02 Rev C	Stepped Brick Soldier Course Cill Detail
TF-D(2)03 Rev C	Brick Jamb Detail
TF-D(2)04 Rev C	Brick Head Detail
TF-D(2)05 Rev C	Precast Cill Detail
TF-D(2)06 Rev C	Precast Jamb Detail
TF-D(2)07 Rev C	Precast Head Detail
TF-D(2)10	Expansion Joint Detail
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	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(5)01 Rev B	Standard Eaves Detail
TF-D(5)02 Rev B	Standard Eaves at Window Head Detail
TF-D(5)03 Rev B	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)13	Door Head Canopy
TF-D(5)15	Flexible Ducting Installation
TF-D(6)01	SVP Box-In Detail
TF-D(6)03	Wet Floor Formation Detail
TF-D(6)04	Drainage Pipe Backfil Detail
	Wall Mounted Combi Boiler Detail
	Wali Mounted Combi Doller Detail
TF-D(6)05	
TF-D(6)05 TF-D(6)06 Rev B	Service Zone for Low Level/Below Cills
TF-D(6)05	





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	TF-D(7)03	Canopy Post Detail
	TF-D(7)06	Door at Stair Detail
	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
G	Certification:	

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	Statement of structural adequacy	From Indev Consult LTD dated 01/11/2016
	Osma Soil and vent Systems BBA	For AAV's
	Certificate No. 86/1643	
	Easy Trim Breather Membranes BBA	For Roof Membrane
	Certificate No. 10/4753	

Н	Specification:	
	STR-TF C SPEC V6 Rev I	V6 Technical Specification Timber Frame – All House Types
	STR-TF-DHDSPEC-V6	Heating Design Specification
	JJI-Joist Technical Bulletin 38	For Intermediate Floors
	Acoustic Performance	
	SRL Technical Report	Sound Testing Results for Intermediate Floor
	SAP ratings	For all house types
	U value calculations	For all elements

$\perp$	Authority:	
	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)