## Nationwide House Energy Rating Scheme<sup>®</sup> NatHERS<sup>®</sup> Certificate No. 0012222329

Generated on 24 Sep 2025 using BERS Pro v5.2.6 (3.23)

### **Property**

Address Unit A, 25 Loch Street,

FRESHWATER, NSW, 2096

Lot 10 DP 1257419

NCC class\* 1a

Floor/all Floors G of 3 floors

Type New Home

#### **Plans**

Garage

Main plan Darren Holland
Prepared by Action Plans

#### Construction and environment

Assessed floor area [m2]\* Exposure type
Conditioned\* 178.3 Suburban

Unconditioned\* 11.4 NatHERS climate zone
Total 211.8 NatHERS climate zone
56 Mascot (Sydney Airport)

## Accredited assessor

22.1

Name Terry Chapman

Business name CHAPMAN ENVIRONMENTAL SERVICES

PTY LTD

Email info@cesenergy.com.au

Phone 1300 004 914

Accreditation No. 20920

**Assessor Accrediting Organisation** 

ABSA

Declaration of interest Declaration completed: no conflicts

## **NCC Requirements**

NCC provisions Volume Two

Strate/Territory variation Ye

#### National Construction Code (NCC) requirements

The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two. For apartments the requirements are detailed in clauses J3D3 and J3D15 of NCC Volume One.

NCC 2022 includes enhanced thermal performance requirements for houses and apartments. It also includes a new whole-of-home annual energy use budget which applies to the major equipment in the home.

The NCC, and associated ABCB Standards and support material, can be accessed at <a href="https://www.abcb.gov.au">www.abcb.gov.au</a>.

Note, variations and additions to the NCC energy efficiency requirements may apply in some states and territories.

## Thermal performance Star rating



# NATIONWIDE HOUSE

22.2 MJ/m<sup>2</sup>

Predicted annual energy load for heating and cooling based on standard occupancy assumptions.

For more information on your dwelling's rating see: www.nathers.gov.au

## Thermal performance [MJ/m<sup>2</sup>]

Limits taken from ABCB Standard 2022

	Heating	Cooling
Modelled	6.4	15.7
Load limits	N/A	N/A

#### Features determining load limits

Floor Type (lowest conditioned area)	csog
NCC climate zone 1 or 2	No
Outdoor living area	No
Outdoor living area ceiling fan	No

## Whole of Home performance rating

No Whole of Home performance rating generated for this certificate.

#### Verification

To verify this certificate, scan the QR code or visit hstar.com.au/QR/Generate? p=BvaMEQmgp. When using either link, ensure you are visiting hstar.com.au





### **About the ratings**

#### Thermal performance rating

NatHERS thermal software models the expected heating and cooling energy loads using information about the design, construction, climate and common patterns of household use. The thermal performance rating (shown as a star rating on this Certificate) does not take into account appliances, apart from the airflow impacts from ceiling fans.

#### Whole of Home performance rating

NatHERS Whole of Home software uses the heating and cooling energy loads combined with the energy performance of the home's appliances (heating, cooling, hot water, lighting, pool/spa pump and onsite renewable energy generation and storage) and models the expected energy value\* of the whole home. The Whole of Home performance rating is shown as a score out of 100 on this Certificate.

## Predicted Whole of Home annual impact by appliance

**Energy use** 

Greenhouse gas emissions

No Whole
of Home
performance
assessment
conducted for this
certificate

No Whole of Home

performance

assessment conducted for this

certificate

#### **Heating & Cooling Load Limits**

#### **Additional information**

In some locations under the NCC NatHERS pathway, separate heating and cooling load limits may apply. Minimum required star ratings in northern parts of Australia may also be affected by the presence or absence of an outdoor living area and/or an outdoor living area ceiling fan. Refer to the ABCB Standard 2022: NatHERS heating and cooling load limits for details or contact the relevant local building regulating authority, noting that State and Territory variations may also apply.

#### **Setting Options:**

Floor Type:

CSOG - Concrete Slab on Ground

SF - Suspended Floor (or a mixture of CSOG and SF)

NA – Not Applicable

NCC Climate Zone 1 or 2:

Yes

No

NA - Not Applicable

Outdoor Living Area:

Yes

No

NA - Not Applicable

Outdoor Living Area Ceiling Fan:

Yes

No

NA - Not Applicable



No Whole of Home performance assessment conducted for this certificate

## Predicted onsite renewable energy impact

No Whole of Home performance assessment conducted for this certificate.



#### **7.9 Star Rating as of** 24 Sep 2025

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Certificate check	Approval Stage		Construction Stage		
The checklist covers important items impacting the dwelling's ratings. It is recommended that the accuracy of the whole certificate is checked.	Assessor checked	Consent Authority/ Surveyor checked	Builder checked	Consent Authority Surveyor checked	Occupancy/Other
Note: The boxes indicate when and by whom each item should be checked. It is not mandatory to complete this checklist.	Assess	Conse	Builder	Conse	Occup
Genuine certificate check		1	1	·	
Does this Certificate match the one available at the web address or QR code verification link on the front page?					
Does the NatHERS certificate number on the NatHERS-stamped plans match the number on this Certificate?					
Thermal performance check					
Windows and glazed doors					
Does the window size, opening type and location shown on the NatHERS-stamped plans or as installed match what is shown in 'Window and glazed door schedule' and 'Roof window schedule' tables on this Certificate?					
Does the installed windows meet the substitution tolerances (AFRC* based SHGC* and U-values*) as shown in the 'Window and glazed door type and performance' and 'Roof window type and performance' tables on this Certificate?					
External walls					
Does the external wall bulk insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the External wall type table on this Certificate?					
Does the external wall shade (colour) match what is shown in the 'External wall type' table on this Certificate?					
Floor					
Does the floor insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Floor type' table on this certificate?					
Ceiling penetrations*					
Does the 'quantity' and 'type' of ceiling penetrations* (e.g. downlights, exhaust fans, etc) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Ceiling penetrations' table on this Certificate?					
Ceiling					
Does the ceiling insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Ceiling type' table on this Certificate?					
Roof					
Does the external roof shade (colour) on the NatHERS stamped plans or as installed match what is shown in the 'Roof type' table on this Certificate?					
Apartment entrance doors (NCC Class 2 assessments only)					
Does the 'External Door Schedule' show apartment entrance doors? Please note that an "external door" between the modelled dwelling and a shared space, such as an enclosed corridor or foyer, should not be included in the assessment (because it overstates the possible ventilation) and would invalidate the Certificate.					
Exposure*					
Has the appropriate exposure type (terrain) (shown on page 1) been applied? For example, it is unlikely that a ground-floor apartment is "exposed" or a top floor high-rise apartment is "protected".					
Heating and cooling load limits*					
Do the load limits settings (shown on page 1) match what is shown					

<b>7.9 Star Rating as of</b> 24 Sep 202	025	20	Sen	24	of	as	tina	Rat	Star	.9	7
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	Approva	I Stage	Construc Stage	ction	redit to the change of				
Certificate check	ecked	hority/ ecked	ked	hority	Other				
Continued	Assessor checked	Consent Authority/ Surveyor checked	Builder checked	Consent Authority Surveyor checked	Occupancy/Other				
Additional NCC requirements for thermal performance (not include	ıded in ti	he NatHE	RS asse	ssment)					
Thermal bridging									
Does the dwelling meet the NCC requirement for thermal bridging?									
Insulation installation method									
Has the insulation been installed according to the NCC requirements?									
Building sealing									
Does the dwelling meet the NCC requirements for Building Sealing?									
Whole of Home performance check (not applicable if a Whole of Home	e performa	ance asses	ssment is r	not conduc	ted)				
Appliances									
Does the cooling appliance/s type, location and efficiency/performance shown on the NatHERS-stamped plans or as installed match the location and minimum efficiency/performance requirements shown in the Appliance schedule on this Certificate?									
Does the heating appliance/s type, location and efficiency/performance shown on the NatHERS-stamped plans or installed, match the location and minimum efficiency/performance requirements shown in the 'Appliance schedule' on this Certificate?									
Does the hot water system type and efficiency/performance shown on the NatHERS-stamped plans or as installed match the location and minimum efficiency/performance requirements shown in the 'Appliance schedule' on this Certificate?									
Does the pool pump efficiency/performance shown on the NatHERS-stamped plans or as installed match the minimum efficiency/performance requirements shown in the 'Appliance schedule' on this Certificate?									
Does the onsite renewable energy system type, orientation and system size or generation capacity shown on the NatHERS stamped plans or installed match the 'Onsite Renewable Energy schedule' on this Certificate?									
Additional NCC Requirements for Services (not included in the	NatHERS	assessr	nent)						
Does the lighting meet the artificial lighting requirements specified in the NCC?									
Does the hot water system meet the additional requirements specified in the NCC?									
Provisional values* check									
Have provisional values* been used in the assessment and, if so, are they noted in 'Additional notes' table below?									
Other NCC requirements									
Note: This Certificate only covers the energy efficiency requirements in the NCC. Addi but are not limited to: condensation, structural and fire safety requirements and any structural equirements.									
Additional notes									



#### Room schedule

Room	Zone Type	Area [m²]
Kitchen/Living1	Kitchen/Living	59.09
WC	Daytime	2.54
Stairs B	Daytime	3.21
Garage 1	Garage	22.11
Entry	Daytime	7.25
Hall G	Living	21.57
Laundry	Unconditioned	4.86
Bathroom	Unconditioned	6.53
Bedroom 1	Bedroom	11.83
Bedroom 2	Bedroom	15.66
Upper hall	Daytime	9.68
Bedroom 3	Bedroom	15.97
Bed 3 Ensuite	Nighttime	3.99
Main Bedroom	Bedroom	28.58
Main Ensuite	Nighttime	6.69

## Window and glazed door type and performance

#### Default windows\*

Window ID	Window	Maximum	SHGC*	Substitution tolerance ranges		
willdow ib	Description	U-value*	энас	SHGC lower limit	SHGC upper limit	
No Data Availa	able				_	

#### Custom windows\*

	Window Maximum Description U-value* SHGC*		Substitution tolerance ranges		
cription			SHGC lower limit	SHGC upper limit	
ninium Louvre dow SG 6CIr	6.1	0.64	0.61	0.67	
ninium Sliding dow SG 3Clr	6.4	0.73	0.69	0.77	
ninium Sliding Door 5Clr	6.2	0.66	0.63	0.70	
ninium Hinged r SG 5Clr	5.9	0.56	0.53	0.59	
	ninium Louvre dow SG 6Clr ninium Sliding dow SG 3Clr ninium Sliding Door 5Clr ninium Hinged	ninium Louvre dow SG 6Clr  ninium Sliding dow SG 3Clr  ninium Sliding Door 5Clr  ninium Hinged 5.9	ninium Louvre dow SG 6Clr  ninium Sliding dow SG 3Clr  ninium Sliding Door 6.2 0.66  ninium Hinged 5.9 0.56	Cription         U-value*         SHGC lower limit           Ininium Louvre dow SG 6Clr         6.1         0.64         0.61           Ininium Sliding dow SG 3Clr         6.4         0.73         0.69           Ininium Sliding Door 5Clr         6.2         0.66         0.63           Ininium Hinged         5.9         0.56         0.53	



## Window and glazed door schedule

Window ID	Window no.	Height [mm]			Opening %	Orientation	Window shading device*
VAN-004-001-001	W001	1200	1520	Louvre	90	N	No
AWS-001-001-001	W002	1200	2700	Sliding	10	N	No
AWS-024-001-001	D001	2400	3200	Sliding	60	Е	No
VAN-004-001-001	W003	1200	600	Louvre	90	Е	No
VAN-004-001-001	W101	900	2700	Louvre	90	N	No
VAN-004-001-001	W102	2700	900	Louvre	90	N	No
AWS-018-001-001	D102	2430	880	Casement	90	N	No
VAN-004-001-001	W103	900	1800	Louvre	90	N	No
AWS-001-001-001	W104	900	2700	Sliding	10	N	No
AWS-001-001-001	W105	900	2700	Sliding	10	N	No
VAN-004-001-001	W106	2400	600	Louvre	90	E	No
AWS-024-001-001	D103	2400	3200	Sliding	60	E	Yes
AWS-001-001-001	W201	1500	3400	Sliding	10	W	Yes
AWS-001-001-001	W202	900	2000	Sliding	10	N	No
VAN-004-001-001	W203	900	1300	Louvre	90	N	No
AWS-024-001-001	D202	2400	4050	Sliding	60	N	No
AWS-024-001-001	D201	2400	3200	Sliding	60	Е	No
VAN-004-001-001	W204	1500	600	Louvre	90	Е	No
	VAN-004-001-001  AWS-001-001-001  AWS-024-001-001  VAN-004-001-001  VAN-004-001-001  VAN-004-001-001  AWS-018-001-001  AWS-001-001-001  AWS-001-001-001  AWS-024-001-001  AWS-001-001-001  AWS-001-001-001  AWS-001-001-001  AWS-001-001-001  AWS-001-001-001  AWS-001-001-001  AWS-001-001-001  AWS-001-001-001  AWS-001-001-001	ID         no.           VAN-004-001-001         W001           AWS-001-001-001         W002           AWS-024-001-001         D001           VAN-004-001-001         W003           VAN-004-001-001         W101           VAN-004-001-001         W102           AWS-018-001-001         W103           AWS-001-001-001         W103           AWS-001-001-001         W105           VAN-004-001-001         W106           AWS-024-001-001         W201           AWS-001-001-001         W202           VAN-004-001-001         W203           AWS-024-001-001         D202           AWS-024-001-001         D201	ID         no.         [mm]           VAN-004-001-001         W001         1200           AWS-001-001-001         W002         1200           AWS-024-001-001         D001         2400           VAN-004-001-001         W003         1200           VAN-004-001-001         W101         900           VAN-004-001-001         W102         2700           AWS-018-001-001         D102         2430           VAN-004-001-001         W103         900           AWS-001-001-001         W104         900           AWS-001-001-001         W105         900           VAN-004-001-001         W106         2400           AWS-024-001-001         W201         1500           AWS-001-001-001         W202         900           VAN-004-001-001         W203         900           VAN-004-001-001         D202         2400           AWS-024-001-001         D201         2400	ID         no.         [mm]         [mm]           VAN-004-001-001         W001         1200         1520           AWS-001-001-001         W002         1200         2700           AWS-024-001-001         D001         2400         3200           VAN-004-001-001         W003         1200         600           VAN-004-001-001         W101         900         2700           VAN-004-001-001         W102         2700         900           AWS-018-001-001         W103         900         1800           VAN-004-001-001         W103         900         1800           AWS-001-001-001         W104         900         2700           AWS-001-001-001         W105         900         2700           VAN-004-001-001         W106         2400         600           AWS-024-001-001         D103         2400         3200           AWS-001-001-001         W201         1500         3400           AWS-001-001-001         W202         900         2000           VAN-004-001-001         W203         900         1300           AWS-024-001-001         D202         2400         4050           AWS-024-001-001         D201 <td>ID         no.         [mm]         [mm]         type           VAN-004-001-001         W001         1200         1520         Louvre           AWS-001-001-001         W002         1200         2700         Sliding           AWS-024-001-001         D001         2400         3200         Sliding           VAN-004-001-001         W003         1200         600         Louvre           VAN-004-001-001         W101         900         2700         Louvre           VAN-004-001-001         W102         2700         900         Louvre           AWS-018-001-001         W103         900         1800         Louvre           AWS-018-001-001         W103         900         1800         Louvre           AWS-018-001-001         W103         900         1800         Louvre           AWS-001-001-001         W104         900         2700         Sliding           AWS-001-001-001         W105         900         2700         Sliding           AWS-024-001-001         W201         1500         3400         Sliding           AWS-001-001-001         W202         900         2000         Sliding           VAN-004-001-001         W203         <td< td=""><td>ID         no.         [mm]         [mm]         type         %           VAN-004-001-001         W001         1200         1520         Louvre         90           AWS-001-001-001         W002         1200         2700         Sliding         10           AWS-024-001-001         D001         2400         3200         Sliding         60           VAN-004-001-001         W003         1200         600         Louvre         90           VAN-004-001-001         W101         900         2700         Louvre         90           VAN-004-001-001         W102         2700         900         Louvre         90           AWS-018-001-001         D102         2430         880         Casement         90           VAN-004-001-001         W103         900         1800         Louvre         90           AWS-001-001-001         W104         900         2700         Sliding         10           AWS-001-001-001         W105         900         2700         Sliding         60           AWS-024-001-001         D103         2400         3200         Sliding         60           AWS-001-001-001         W202         900         2000         <t< td=""><td>ID         no.         [mm]         [mm]         type         %         Orientation           VAN-004-001-001         W001         1200         1520         Louvre         90         N           AWS-001-001-001         W002         1200         2700         Sliding         10         N           AWS-024-001-001         D001         2400         3200         Sliding         60         E           VAN-004-001-001         W003         1200         600         Louvre         90         E           VAN-004-001-001         W101         900         2700         Louvre         90         N           VAN-004-001-001         W102         2700         900         Louvre         90         N           VAN-004-001-001         W103         900         1800         Louvre         90         N           AWS-001-001-001         W103         900         2700         Sliding         10         N           AWS-001-001-001         W105         900         2700         Sliding         10         N           VAN-004-001-001         W106         2400         600         Louvre         90         E           AWS-001-001-001         W201</td></t<></td></td<></td>	ID         no.         [mm]         [mm]         type           VAN-004-001-001         W001         1200         1520         Louvre           AWS-001-001-001         W002         1200         2700         Sliding           AWS-024-001-001         D001         2400         3200         Sliding           VAN-004-001-001         W003         1200         600         Louvre           VAN-004-001-001         W101         900         2700         Louvre           VAN-004-001-001         W102         2700         900         Louvre           AWS-018-001-001         W103         900         1800         Louvre           AWS-018-001-001         W103         900         1800         Louvre           AWS-018-001-001         W103         900         1800         Louvre           AWS-001-001-001         W104         900         2700         Sliding           AWS-001-001-001         W105         900         2700         Sliding           AWS-024-001-001         W201         1500         3400         Sliding           AWS-001-001-001         W202         900         2000         Sliding           VAN-004-001-001         W203 <td< td=""><td>ID         no.         [mm]         [mm]         type         %           VAN-004-001-001         W001         1200         1520         Louvre         90           AWS-001-001-001         W002         1200         2700         Sliding         10           AWS-024-001-001         D001         2400         3200         Sliding         60           VAN-004-001-001         W003         1200         600         Louvre         90           VAN-004-001-001         W101         900         2700         Louvre         90           VAN-004-001-001         W102         2700         900         Louvre         90           AWS-018-001-001         D102         2430         880         Casement         90           VAN-004-001-001         W103         900         1800         Louvre         90           AWS-001-001-001         W104         900         2700         Sliding         10           AWS-001-001-001         W105         900         2700         Sliding         60           AWS-024-001-001         D103         2400         3200         Sliding         60           AWS-001-001-001         W202         900         2000         <t< td=""><td>ID         no.         [mm]         [mm]         type         %         Orientation           VAN-004-001-001         W001         1200         1520         Louvre         90         N           AWS-001-001-001         W002         1200         2700         Sliding         10         N           AWS-024-001-001         D001         2400         3200         Sliding         60         E           VAN-004-001-001         W003         1200         600         Louvre         90         E           VAN-004-001-001         W101         900         2700         Louvre         90         N           VAN-004-001-001         W102         2700         900         Louvre         90         N           VAN-004-001-001         W103         900         1800         Louvre         90         N           AWS-001-001-001         W103         900         2700         Sliding         10         N           AWS-001-001-001         W105         900         2700         Sliding         10         N           VAN-004-001-001         W106         2400         600         Louvre         90         E           AWS-001-001-001         W201</td></t<></td></td<>	ID         no.         [mm]         [mm]         type         %           VAN-004-001-001         W001         1200         1520         Louvre         90           AWS-001-001-001         W002         1200         2700         Sliding         10           AWS-024-001-001         D001         2400         3200         Sliding         60           VAN-004-001-001         W003         1200         600         Louvre         90           VAN-004-001-001         W101         900         2700         Louvre         90           VAN-004-001-001         W102         2700         900         Louvre         90           AWS-018-001-001         D102         2430         880         Casement         90           VAN-004-001-001         W103         900         1800         Louvre         90           AWS-001-001-001         W104         900         2700         Sliding         10           AWS-001-001-001         W105         900         2700         Sliding         60           AWS-024-001-001         D103         2400         3200         Sliding         60           AWS-001-001-001         W202         900         2000 <t< td=""><td>ID         no.         [mm]         [mm]         type         %         Orientation           VAN-004-001-001         W001         1200         1520         Louvre         90         N           AWS-001-001-001         W002         1200         2700         Sliding         10         N           AWS-024-001-001         D001         2400         3200         Sliding         60         E           VAN-004-001-001         W003         1200         600         Louvre         90         E           VAN-004-001-001         W101         900         2700         Louvre         90         N           VAN-004-001-001         W102         2700         900         Louvre         90         N           VAN-004-001-001         W103         900         1800         Louvre         90         N           AWS-001-001-001         W103         900         2700         Sliding         10         N           AWS-001-001-001         W105         900         2700         Sliding         10         N           VAN-004-001-001         W106         2400         600         Louvre         90         E           AWS-001-001-001         W201</td></t<>	ID         no.         [mm]         [mm]         type         %         Orientation           VAN-004-001-001         W001         1200         1520         Louvre         90         N           AWS-001-001-001         W002         1200         2700         Sliding         10         N           AWS-024-001-001         D001         2400         3200         Sliding         60         E           VAN-004-001-001         W003         1200         600         Louvre         90         E           VAN-004-001-001         W101         900         2700         Louvre         90         N           VAN-004-001-001         W102         2700         900         Louvre         90         N           VAN-004-001-001         W103         900         1800         Louvre         90         N           AWS-001-001-001         W103         900         2700         Sliding         10         N           AWS-001-001-001         W105         900         2700         Sliding         10         N           VAN-004-001-001         W106         2400         600         Louvre         90         E           AWS-001-001-001         W201

## Roof window\* type and performance value

Default roof windows\*

Window ID	Window	Maximum	SHGC*	Substitution tolerance ranges		
	Description	U-value*	знас	SHGC lower limit	SHGC upper limit	
No Data Avail	able					

#### Custom roof windows\*

Window ID	Window	Maximum SHGC*		Substitution tolerance ranges		
	Description	U-value*	знас	SHGC lower limit	SHGC upper limit	
	VEL-011-01 W VELUX					
	FS - Fixed Skylight DG					
VEL-011-01 W	3mm LoE 366 / 8.5mm	2.6	0.24	0.23	0.25	
	Argon Gap / 5.36mm					
	Clear La					



## Roof window\* schedule

Location	Window ID	Window no.	Opening %	Height [mm]	Width [mm]	Orientation	Outdoor shade	Indoor shade
Upper hall	VEL-011-01 W	S01	0	3800	900	N	Yes	Yes
Bed 3 Ensuite	VEL-011-01 W	S03	0	870	1505	N	Yes	Yes
Main Ensuite	VEL-011-01 W	S02	0	1935	870	N	Yes	Yes

## Skylight\* type and performance

Skylight ID	Skylight description	Skylight shaft reflectance
No Data Available		

## Skylight\* schedule

Location	Skylight ID	Skylight No.	Skylight shaft length [mm]	Area Orientation [m <sup>2</sup> ]	Outdoor shade	Diffuser
No Data Ava	ilable					

## External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation
Garage 1	2450	3000	90	W
Entry	2700	1050	90	W

## External wall type

Wall Wall ID type	Solar Wall shad absorptance[colour]	deBulk insulation [R-value]	Reflective wall wrap*
EW-1 Concrete Block, Lined Timber Stud Fr	ame 0.50	Bulk Insulation R2.5	No
EW-2 Fibro Timber Stud Frame Panel Direct	Fix 0.30	Foil, Anti-glare one side, Reflective other	Yes
EW-3 Fibro Timber Stud Frame Panel Direct	Fix 0.30	Anti-glare foil with bulk no gap R2.5	No

## External wall schedule

Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature [yes/no]
Kitchen/Living1	EW-1	2701	4000	N	0	No
Kitchen/Living1	EW-1	950	8800	N	0	No
Kitchen/Living1	EW-1	1750	8800	N	0	No

0012222329 NatHERS	S Certificate	7.9 \$	Star Rating as of 24 Sep 2025		
Location	Wall	Height	Width Orientation	Horizontal shading	Vertical shading

Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature [yes/no]
Kitchen/Living1	EW-1	2700	5100	E	800	Yes
Kitchen/Living1	EW-1	2700	3895	W	0	No
W C	EW-1	2700	1195	W	0	No
Garage 1	EW-2	2700	3700	W	300	No
Garage 1	EW-2	2700	3100	N	1400	No
Entry	EW-3	2700	4695	N	0	No
Entry	EW-3	2700	1395	W	3600	No
Laundry	EW-3	2700	1690	N	0	No
Bathroom	EW-3	2700	2590	N	0	No
Bedroom 1	EW-3	2700	3690	N	0	No
Bedroom 2	EW-3	2700	3095	N	0	No
Bedroom 2	EW-3	2700	5100	E	700	Yes
Bedroom 3	EW-3	2600	4300	W	0	No
Bedroom 3	EW-3	2600	943	NW	0	No
Bedroom 3	EW-3	2600	2695	N	0	No
Bed 3 Ensuite	EW-3	2600	1490	N	0	No
Main Bedroom	EW-3	2600	4995	N	0	No
Main Bedroom	EW-3	2600	4100	E	0	Yes
Main Ensuite	EW-3	2600	4295	N	0	No
Main Ensuite	EW-3	2600	1000	E	0	No

## Internal wall type

Wall ID	Wall type	Area [m <sup>2</sup> ]	Bulk insulation
IW-001	Concrete Panel/Blocks filled, plasterboard	100.93	No Insulation
IW-002	Timber Stud Frame, Direct Fix Plasterboard	136.58	No insulation
IW-003	Timber Stud Frame, Direct Fix Plasterboard	10.53	Bulk Insulation, No Air Gap R2.5

## Floor type

Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Kitchen/Living1	Concrete Slab on Ground 100mm	59.09	None	No Insulation	Cork Tiles or Parquetry 8mm



Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
WC	Concrete Slab on Ground 100mm	2.54	None	No Insulation	Ceramic Tiles 8mm
Stairs B	Concrete Slab on Ground 100mm	3.21	None	No Insulation	Cork Tiles or Parquetry 8mm
Garage 1	Concrete Slab on Ground 100mm	22.11	None	No Insulation	Bare
Entry / Kitchen/Living1	Concrete Timber Framed Above Plasterboard 100mm	2.99		No Insulation	Cork Tiles or Parquetry 8mm
Entry	Concrete Slab on Ground 100mm	3.88	None	No Insulation	Cork Tiles or Parquetry 8mm
Hall G / Kitchen/Living1	Concrete Timber Framed Above Plasterboard 100mm	12.18		No Insulation	Cork Tiles or Parquetry 8mm
Hall G / W C	Concrete Timber Framed Above Plasterboard 100mm	0.00		No Insulation	Cork Tiles or Parquetry 8mm
Hall G / Stairs B	Concrete Timber Framed Above Plasterboard 100mm	0.00		No Insulation	Cork Tiles or Parquetry 8mm
Laundry / Kitchen/Living1	Concrete Timber Framed Above Plasterboard 100mm	4.87		No Insulation	Ceramic Tiles 8mm
Bathroom / Kitchen/Living1	Concrete Timber Framed Above Plasterboard 100mm	6.53		No Insulation	Ceramic Tiles 8mm
Bedroom 1 / Kitchen/Living1	Concrete Timber Framed Above Plasterboard 100mm	11.85		No Insulation	Cork Tiles or Parquetry 8mm
Bedroom 2 / Kitchen/Living1	Concrete Timber Framed Above Plasterboard 100mm	15.66		No Insulation	Cork Tiles or Parquetry 8mm
Upper hall / Garage 1	Rendered Concrete 150mm	0.00		No Insulation	Cork Tiles or Parquetry 8mm
Upper hall / Hall G	Concrete Timber Framed Above Plasterboard 150mm	1.82		No Insulation	Cork Tiles or Parquetry 8mm
Bedroom 3 / Garage 1	Rendered Concrete 150mm	11.68		No Insulation	Cork Tiles or Parquetry 8mm
Bedroom 3 / Entry	Concrete Timber Framed Above Plasterboard 150mm	1.95		No Insulation	Cork Tiles or Parquetry 8mm
Bedroom 3	Suspended Concrete Slab 150mm	2.03	Totally Open	No Insulation	Cork Tiles or Parquetry 8mm
Bed 3 Ensuite / Garage	Rendered Concrete 150mm	1.81		No Insulation	Ceramic Tiles 8mm
Bed 3 Ensuite / Entry	Concrete Timber Framed Above Plasterboard 150mm	1.97		No Insulation	Ceramic Tiles 8mm
Main Bedroom / Entry	Concrete Timber Framed Above Plasterboard 150mm	0.37		No Insulation	Cork Tiles or Parquetry 8mm
Main Bedroom / Hall G	Concrete Timber Framed Above Plasterboard 150mm	14.41		No Insulation	Cork Tiles or Parquetry 8mm
Main Bedroom / Laundry	Concrete Timber Framed Above Plasterboard 150mm	1.86		No Insulation	Cork Tiles or Parquetry 8mm
Main Bedroom / Bathroom	Concrete Timber Framed Above Plasterboard 150mm	3.22		No Insulation	Cork Tiles or Parquetry 8mm



Location		Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Main Bedroom	1	Concrete Timber Framed	7.12		No	Cork Tiles or Parquetry 8mm
Bedroom 1		Above Plasterboard 150mm			Insulation	. , ,
Main Ensuite /	Entry	Concrete Timber Framed	2.41		No	Ceramic Tiles 8mm
Wall Elisate /	Litti y	Above Plasterboard 150mm	2.71		Insulation	Ceramic files chim
Main Ensuite /	Laundry	Concrete Timber Framed	2.64		No	Ceramic Tiles 8mm
Wall Lisuite /	Lauriury	Above Plasterboard 150mm	2.04		Insulation	Ceramic files offiliti
Main Ensuite /	Bathroom	Concrete Timber Framed	1.24		No	Ceramic Tiles 8mm
Main Ensuite /	DatiilOOIII	Above Plasterboard 150mm	1.4		Insulation	Octailio files offili

## Ceiling type

Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap* [yes/no]
Kitchen/Living1	Concrete Timber Framed Above Plasterboard	No Insulation	
W C	Concrete Timber Framed Above Plasterboard	No Insulation	
Stairs B	Concrete Timber Framed Above Plasterboard	No Insulation	
Garage 1	Concrete	No insulation	
Garage 1	Rendered Concrete	No Insulation	
Entry	Concrete Timber Framed Above Plasterboard	No Insulation	
Hall G	Concrete, Plasterboard with Timber Frame	Bulk Insulation R2.5	
Hall G	Concrete Timber Framed Above Plasterboard	No Insulation	
Laundry	Concrete Timber Framed Above Plasterboard	No Insulation	
Bathroom	Concrete, Plasterboard with Timber Frame	Bulk Insulation R2.5	
Bathroom	Concrete Timber Framed Above Plasterboard	No Insulation	
Bedroom 1	Concrete, Plasterboard with Timber Frame	Bulk Insulation R2.5	
Bedroom 1	Concrete Timber Framed Above Plasterboard	No Insulation	
Bedroom 2	Concrete, Plasterboard with Timber Frame	Bulk Insulation R2.5	
Upper hall	Plasterboard on Timber	Bulk Insulation R3	
Bedroom 3	Plasterboard on Timber	Bulk Insulation R3	
Bed 3 Ensuite	Plasterboard on Timber	Bulk Insulation R3	
Main Bedroom	Plasterboard on Timber	Bulk Insulation R3	
Main Ensuite	Plasterboard on Timber	Bulk Insulation R3	

## Ceiling penetrations\*

Location	Quantity	Туре	Diameter [mm]	Sealed/unsealed
Kitchen/Living1	1	Exhaust Fans	300	Sealed

0012222329 NatHERS Ce	ertificate 7.9	Star Rating as of 24 Sep 2025			NATIONWIDE HOUSE	
Location	Quantity	Туре	Diameter [mm]	Sealed/unsealed		
WC	1	Exhaust Fans	300	Sealed		
Laundry	1	Exhaust Fans	300	Sealed		
Bathroom	1	Exhaust Fans	300	Sealed		
Bed 3 Ensuite	1	Exhaust Fans	300	Sealed		

300

Sealed

## Ceiling fans

Main Ensuite

Location	Quantity	y Diameter [mm]	
No Data Available			

## Roof type

Construction	Added insulation [R-value]	Solar Roof shade absorptance [colour]	
Waterproofing Membrane	No Added Insulation, No air Gap	0.50	Medium

## Thermal bridging schedule for steel frame elements

1

**Exhaust Fans** 

Building element	Steel section dimensions [height x width, mm]	Frame spacing [mm]	Steel thickness [BMT,mm]	break [R-value]
No Data Available				_

## Appliance schedule

(not applicable if a Whole of Home performance assessment is not conducted for this certificate)

Note: A flat assumption of 5W/m<sup>2</sup> is used for lighting, therefore lighting is not included in the appliance schedule.

#### Cooling system

Appliance/ system type	system type Location Fuel type		Minimum efficiency/ performance	Recommended capacity
No Data Available				

#### Heating system

Appliance/ system type	Location	Fuel type	Minimum efficiency/ performance	Recommended capacity
No Data Available				



Hot water system

	Н	Hot	Minimum	Zone 3	Zone 3 Substitution		Assessed
Appliance/ system type	Fuel type	Water	efficiency	STC -	tolerance	e ranges	daily load
		CER Zone	/STC	310	lower limit	upper limit	[litres]

No Data Available

Pool/spa equipment

Appliance/ system type	Fuel type	Minimum efficiency/ performance	Recommended capacity

No Data Available

## Onsite Renewable Energy Schedule

System Type Orientation System Size Or Generation Capacity

No Data Available

## Battery Schedule

System Type Size [Battery Storage Capacity]

No Data Available



#### **Explanatory notes**

#### About this report

NatHERS ratings are a reliable guide for comparing different dwelling designs and to demonstrate that designs meet the energy efficiency requirements in the National Construction Code.

NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the heating and cooling energy loads and energy value\* of the whole home. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy generation and storage to estimate the homes energy value\*.

The actual energy loads, cost and greenhouse gas emissions of a home may vary from that predicted. This is because the assumptions will not always match the actual occupant usage patterns. For example, the number of occupants and how people use their appliances will vary.

Energy efficient homes use less energy, are warmer on cool days, cooler on hot days and cost less to run.

#### **Accredited assessors**

For quality assured NatHERS Certificates, always use an accredited or licenced assessor registered with an Assessor Accrediting Organisation (AAO). AAOs have strict quality assurance processes, and professional development requirements ensuring consistently high standards for assessments.

Non-accredited assessors (Raters) have no ongoing training requirements and

are not quality assured.

Any queries about this report should be directed to the assessor. If the assessor is unable to address questions or concerns, contact the AAO specified on the front of this certificate.

#### **Disclaimer**

The NatHERS Certificate format is developed by the NatHERS Administrator. However, the content in the certificate is entered by the assessor. It is the assessor's responsibility to use NatHERS accredited software correctly and follow the NatHERS Technical Note to produce a NatHERS Certificate.

The predicted annual energy load, cost and greenhouse gas emissions in this NatHERS Certificate are an estimate based on an assessment of the dwelling's design by the assessor. It is not a prediction of actual energy use, cost or emissions. The information and ratings may be used to compare how other dwellings are likely to perform when used in a similar way.

Information presented in this report relies on a range of standard assumptions (both embedded in NatHERS accredited software and made by the assessor who prepared this report), including assumptions about occupancy, behaviour, appliance performance, indoor air temperature and local climate.

Not all assumptions made by the assessor using the NatHERS accredited software tool are presented in this report and further details or data files may be obtained from the assessor.

## **Glossary**

AFRC	Australian Fenestration Rating Council
Annual energy load	the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions.
Assessed floor area	the floor area modelled in the software for the purpose of the NatHERS assessment. Note, this may not be consistent with the floor area in the design documents.
Ceiling penetrations	features that require a penetration to the ceiling, including downlights, vents, exhaust fans, range hoods, chimneys and flues. Excludes fixtures attached to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans; pendant lights, and heating and cooling ducts.
COP	Coefficient of performance
Conditioned	a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some circumstances it will include garages.
Custom windows	windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Scheme) rating.
Default windows	windows that are representative of a specific type of window product and whose properties have been derived by statistical methods.
EER	Energy Efficiency Ratio, measure of how much cooling can be achieved by an air conditioner for a single kWh of electricity input
Energy use	This is your homes rating without solar or batteries.
Energy value	The net cost to society including, but not limited to, costs to the building user, the environment and energy networks (as defined in the ABCB Housing Provisions Standard).
Entrance door	these signify ventilation benefits in the modelling software and must not be modelled as a door when opening to a minimally ventilated corridor in a Class 2 building.
Exposure	see exposure categories below.
Exposure category – exposed	terrain with no obstructions e.g. flat grazing land, ocean-frontage, desert, exposed high-rise unit (usually above 10 floors).
Exposure category – open	terrain with few obstructions at a similar height e.g. grasslands with few well scattered obstructions below 10m, farmland with scattered sheds, lightly vegetated bush blocks, elevated units (e.g. above 3 floors).
Exposure category – protected	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
Exposure category – suburban	terrain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.
Horizontal shading feature	provides shading to the building in the horizontal plane, e.g. eaves, verandahs, pergolas, carports, or overhangs or balconies from upper levels.
National Construction Code (NCC) Class	the NCC groups buildings by their function and use, and assigns a classification code. NatHERS software models NCC Class 1, 2 or 4 buildings and attached Class 10a buildings. Definitions can be found at www.abcb.gov.au.
Net zero home	a home that achieves a net zero energy value*.
Opening percentage	the openability percentage or operable (moveable) area of doors or windows that is used in ventilation calculations.
Provisional value	an assumed value that does not represent an actual value. For example, if the wall colour is unspecified in the documentation, a provisional value of 'medium' must be modelled. Acceptable provisional values are outlined in the NatHERS Technical Note and can be found at www.nathers.gov.au
Recommended capacity	this is the capacity or size of equipment that is recommended by NatHERS to achieve the desired comfort conditions in the zone or zones serviced. This is a recommendation and the final selection sizing should be confirmed by a suitably qualified person.
Reflective wrap (also known as foil)	can be applied to walls, roofs and ceilings. When combined with an appropriate airgap and emissivity value, it provides insulative properties.
Roof window	for NatHERS this is typically an operable window (i.e. can be opened), will have a plaster or similar light well if there is an attic space, and generally does not have a diffuser.
Shading features	includes neighbouring buildings, fences, and wing walls, but excludes eaves.
Skylight (also known as roof lights	) for NatHERS this is typically a moulded unit with flexible reflective tubing (light well) and a diffuser at ceiling level.
Solar heat gain coefficient (SHGC)	the fraction of incident solar radiation admitted through a window, both directly transmitted as well as absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.
STCs	Small-scale Technology Certificates, certificates created by the REC registry for renewable energy technologies that may be bought and sold as part of the Small-scale Renewable Energy Scheme operated by the Clean Energy Regulator (CER)
Thermal breaks	are materials with an R-value greater than or equal to 0.2 that must separate the metal frame from the cladding. This includes, but is not limited to, materials such as timber battens greater than or equal to 20mm thick or continuous thermal breaks such as polystyrene insulation sheeting or plastic strips
U-value	the rate of heat transfer through a window. The lower the U-value, the better the insulating ability.
Unconditioned	a zone within a dwelling that is assumed to not require heating and cooling based on standard occupancy assumptions.
Vertical shading features	provides shading to the building in the vertical plane and can be parallel or perpendicular to the subject wall/window. Includes privacy screens, other walls in the building (wing walls), fences, other buildings, vegetation (protected or listed heritage trees).
Window shading device	device fixed to windows that provides shading e.g. window awnings or screens but excludes horizontal* or vertical shading features* (eg eaves and balconies)