Nationwide House Energy Rating Scheme[®] NatHERS[®] Certificate No. 0011838000

Generated on 04 Apr 2025 using BERS Pro v5.2.4 (3.23)

Property

Address

Lot/DP NCC class* Floor/all Floors Type

52 Clerke Street. OLD BAR, NSW, 2430 Lot 2 DP 1259760 1a G of 2 floors New Home

Plans

Main plan Prepared by

Tim Cross Building Design and Drafting

Construction and environment

Assessed floor area [m2]*

Conditioned* 230.8 Unconditioned* 17.8 Total 300.6 Garage 52.0

Exposure type Suburban NatHERS climate zone

15 Williamtown



Accredited assessor

Leanne Houseman Name **Business name** Concept Designs Australia Email leanne.cdaus@outlook.com Phone 0408864184 Accreditation No. 10137 Assessor Accrediting Organisation HERA Declaration of interest

Declaration completed: no conflicts

NCC Requirements

NCC provisions Strate/Territory variation Volume Two

Yes

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 www.abcb.gov.au

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

Thermal performance Star rating

The more stars the more energy efficient

NATIONWIDE

50.8 MJ/m²

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/m²]

Limits taken from ABCB Standard 2022

	Heating	Cooling
Modelled	33.0	17.8
Load limits	N/A	N/A

Features determining load limits

Floor Type	csog
(lowest conditioned area)	0000
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=XFRPMndog When using either link, ensure you are visiting hstar.com.au





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.

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
- NO NA – Not Applicable

Outdoor Living Area Ceiling Fan:

Yes No

NA – Not Applicable

Predicted onsite renewable energy impact

No Whole of Home performance assessment conducted for this certificate.

Predicted Whole of Home annual impact by appliance

Energy use



Greenhouse gas emissions



Cost



7 Star Rating as of 04 Apr 2025

Certificate check	Approva	I Stage	Construe Stage	ction	HUNDER AND A STATE
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		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.	Assesso	Consent Surveyo	Builder checked	Consent Surveyo	Occupan
Genuine certificate check		Т	Т		
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		n	n		
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					

<u>.</u>

7 Star Rating as of 04 Apr 2025

	1
HOUS	E

					HOUSE
	Approva	I Stage	Constru Stage	ction	
Certificate check	cked	iority/ cked	bed	ority cked	ther
Continued	Assessor checked	Consent Authority/ Surveyor checked	Builder checked	Consent Authority Surveyor checked	Occupancy/Other
Additional NCC requirements for thermal performance (not inclu	uded in t	he NatHE	ERS 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 Hom	e perform	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	s assessi	ment)		
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. Add	itional requi	rements the	it must also	he satisfied	include

Note: This Certificate only covers the energy efficiency requirements in the NCC. Additional requirements that must also be satisfied include, but are not limited to: condensation, structural and fire safety requirements and any state or territory variations to the NCC energy efficiency requirements.

Additional notes

Vapour barrier to be added to external wall insulation.



Room schedule

Room	Zone Type	Area [m ²]
Garage	Garage	51.96
Entry	Daytime	8.29
Games	Living	14.76
Kitchen/Living	Kitchen/Living	93.52
WC	Unconditioned	1.31
Laundry	Unconditioned	5.13
WIP	Daytime	5.55
Bedroom 2	Bedroom	12.09
Media/Study	Daytime	42.87
Ensuite	Nighttime	7.2
WIR	Nighttime	4.99
Bedroom 1	Bedroom	22.74
Bath	Unconditioned	9.89
WC FF	Unconditioned	1.48
Bedroom 3	Bedroom	11.76
Bedroom 4	Bedroom	11.82

Window and glazed door type and performance

Default windows*

Window ID	Window	Maximum	SHGC*	Substitution to	lerance ranges
WINDOW ID	Description	U-value*	31160	SHGC lower limit	SHGC upper limit
No Data Availa	able				

Custom windows*

Window ID	Window	Maximum	SHGC*	Substitution to	lerance ranges
	Description	U-value*	3660	SHGC lower limit	SHGC upper limit
CAP-128-001	Aluminium Sliding Window SG 4Clr	6.7	0.66	0.63	0.69
CAP-129-004	Aluminium Sliding Window DG 4ET/14Ar/4Clr	3.7	0.50	0.47	0.52
CAP-500-005	Aluminium Hinged Door SG 6ET	4.4	0.48	0.46	0.50
CAP-128-002	Aluminium Sliding Window SG 4ET	5.2	0.56	0.53	0.59



Custom windows*

Window ID	Window	Maximum	SHGC*	Substitution to	lerance ranges
window iD	Description	U-value*	SHGC	SHGC lower limit	SHGC upper limit
CAP-541-003	Aluminium Sliding Door DG 6ET/12Ar/6Clr	3.0	0.51	0.48	0.53
CAP-526-002	Aluminium Louvre Window SG 6ET	4.6	0.48	0.46	0.51
CAP-539-004	Aluminium Bifold Door DG 6ET/10Ar/6Clr	3.4	0.44	0.41	0.46
CAP-109-003	Aluminium Fixed Window SG 6ET	4.1	0.63	0.59	0.66

Window and glazed door schedule

Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device*
Garage	CAP-128-001-001	W26	1000	2400	Sliding	45	W	No
Entry	CAP-129-004-001	W13	1800	1500	Sliding	30	E	No
Entry	CAP-500-005-001	W10	2100	1200	Casement	90	Ν	No
Games	CAP-129-004-001	W11	1200	2100	Sliding	45	Ν	No
Games	CAP-128-002-001	W12	600	2100	Sliding	45	E	No
Games	CAP-541-003-001	W1	2100	2100	Sliding	45	S	No
Kitchen/Living	CAP-129-004-001	W14	1200	2100	Sliding	45	Ν	No
Kitchen/Living	CAP-526-002-001	W6	1200	900	Louvre	90	E	No
Kitchen/Living	CAP-526-002-001	W7	1200	900	Louvre	90	E	No
Kitchen/Living	CAP-129-004-001	W15	1200	2100	Sliding	45	S	No
Kitchen/Living	CAP-539-004-001	W4	2100	4500	Bifold	90	E	No
Kitchen/Living	CAP-539-004-001	W5	2100	3600	Bifold	90	S	No
Kitchen/Living	CAP-109-003-001	W9	600	2400	Fixed	00	S	No
Laundry	CAP-128-001-001	W25	1000	1500	Sliding	45	W	No
WIP	CAP-526-002-001	W8	1000	600	Louvre	90	S	No
Bedroom 2	CAP-128-002-001	W20	1200	1800	Sliding	10	E	No
Bedroom 2	CAP-128-002-001	W19	600	1800	Sliding	10	Ν	No
Media/Study	CAP-541-003-001	W3	2100	2700	Sliding	66	S	No
Media/Study	CAP-129-004-001	W18	1200	1500	Sliding	10	Ν	No
Ensuite	CAP-128-002-001	W21	1200	1200	Sliding	10	E	No
Bedroom 1	CAP-128-002-001	W22	900	3000	Sliding	10	E	No

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Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device*
Bedroom 1	CAP-541-003-001	W2	2100	3000	Sliding	66	S	No
Bath	CAP-128-001-001	W23	1200	1800	Sliding	10	S	No
WC FF	CAP-128-001-001	W24	600	600	Sliding	10	W	No
Bedroom 3	CAP-128-002-001	W17	1200	1800	Sliding	10	Ν	No
Bedroom 4	CAP-128-002-001	W16	1200	1800	Sliding	10	Ν	No

Roof window* type and performance value

Default roof windows*

Window ID	Window	Maximum	SHCC*	Substitution to	lerance ranges
Window ID	Description	U-value*	SHGC*	SHGC lower limit	SHGC upper limit
No Data Avail	lable				
Custom roof w	vindows*				
Custom roof w Window ID	vindows* Window	Maximum	SHGC*	Substitution to	lerance ranges

Roof window* schedule

Location	Window ID	Window no.	Opening %	Height [mm]	Width [mm]	Orientation	Outdoor shade	Indoor shade
No Data Avai	lable							

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 [m ²]	Orientation	Outdoor shade	Diffuser		
No Data Available									
Externa	l door sche	edule							
Location		Lloight [mm]	Width Inan	-1	Opening %	Orientet	lon		

Width [mm] Location Orientation Height [mm] Opening % Garage 2400 5400 90 Ν

* Refer to glossary. Generated on 04 Apr 2025 using BERS Pro v5.2.4 (3.23) for 52 Clerke Street , OLD BAR , NSW , 2430

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Location	Height [mm]	Width [mm]	Opening %	Orientation	
Laundry	2040	820	90	W	

External wall type

Wall ID	Wall type	Solar absorptance	Wall shade [colour]	Bulk insulation [R-value]	Reflective wall wrap*
EW-1	Single Skin Brick	0.30		No insulation	No
EW-2	Timber Stud Frame Brick Veneer	0.30		No insulation	No
EW-3	Timber Stud Frame Brick Veneer	0.30		Bulk Insulation R2.5	No
EW-4	Fibro Timber Stud Frame Panel Direct Fix	0.30		Bulk Insulation 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]
Garage	EW-1	2570	7500	Ν	450	No
Garage	EW-2	2570	600	E	6250	No
Garage	EW-2	2570	700	S	450	No
Garage	EW-2	2570	7600	W	550	No
Entry	EW-3	2570	2395	E	550	Yes
Entry	EW-3	2570	1940	Ν	3150	Yes
Games	EW-4	2570	3700	Ν	450	No
Games	EW-4	2570	4000	E	550	No
Games	EW-4	2570	3695	S	450	Yes
Games	EW-4	2570	2700	W	2600	No
Kitchen/Living	EW-3	3430	4700	Ν	1950	Yes
Kitchen/Living	EW-3	3430	5400	E	0	No
Kitchen/Living	EW-3	3430	3600	S	7600	No
Kitchen/Living	EW-3	3430	5600	E	3600	No
Kitchen/Living	EW-3	3431	4500	S	2000	No
Kitchen/Living	EW-3	3430	3795	S	0	No
WC	EW-3	3430	940	W	0	No
Laundry	EW-3	3430	3090	W	0	Yes
WIP	EW-3	3430	1595	S	0	No
WIP	EW-3	3430	3595	W	0	No

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Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature [yes/no]
Bedroom 2	EW-3	2570	2995	E	550	No
Bedroom 2	EW-3	2570	4095	Ν	450	No
Media/Study	EW-3	2571	3795	S	2550	No
Media/Study	EW-3	2570	1095	S	450	No
Media/Study	EW-4	2570	3300	W	450	No
Media/Study	EW-4	2570	3195	Ν	450	No
Ensuite	EW-3	2570	3090	Е	550	No
Bedroom 1	EW-3	2570	4895	E	550	No
Bedroom 1	EW-3	2570	4695	S	2550	No
Bath	EW-3	2570	3895	S	450	No
Bath	EW-3	2570	2795	W	550	No
WC FF	EW-3	2570	990	W	550	No
Bedroom 3	EW-4	2570	3090	Ν	450	Yes
Bedroom 4	EW-3	2570	3895	W	550	No
Bedroom 4	EW-4	2570	3095	Ν	450	Yes

Internal wall type

Wall ID	Wall type	Area [m ²]	Bulk insulation
IW-001	TimberStud Frame, Brick Veneer	32.38	Bulk Insulation, No Air Gap R2.5
IW-002	Timber Stud Frame, Direct Fix Plasterboard	119.35	No insulation
IW-003	Timber Stud Frame, Direct Fix Plasterboard	41.40	Bulk Insulation, No Air Gap R2.5

Floor type

Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Garage	Waffle pod slab 225 mm 100mm	51.94	None	No Insulation	Bare
Entry	Waffle pod slab 225 mm 100mm	8.29	None	No Insulation	Cork Tiles or Parquetry 8mm
Games	Waffle pod slab 225 mm 100mm	14.76	None	No Insulation	Cork Tiles or Parquetry 8mm
Kitchen/Living	Waffle pod slab 225 mm 100mm	93.52	None	No Insulation	Cork Tiles or Parquetry 8mm
WC	Waffle pod slab 225 mm 100mm	1.31	None	No Insulation	Ceramic Tiles 8mm

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					HOUSE
Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Laundry	Waffle pod slab 225 mm 100mm	5.13	None	No Insulation	Ceramic Tiles 8mm
WIP	Waffle pod slab 225 mm 100mm	5.55	None	No Insulation	Cork Tiles or Parquetry 8mm
Bedroom 2 / Kitchen/Living	Concrete Timber Framed Above Plasterboard 19mm	12.09		No Insulation	Carpet+Rubber Underlay 18mm
Media/Study / Kitchen/Living	Concrete Timber Framed Above Plasterboard 19mm	37.97		No Insulation	Carpet+Rubber Underlay 18mm
Ensuite / Kitchen/Living	Concrete Timber Framed Above Plasterboard 150mm	5.52		No Insulation	Ceramic Tiles 8mm
Ensuite	Suspended Concrete Slab 150mm	1.45	Totally Open	Bulk Insulation in Contact with Floor R2.5	Ceramic Tiles 8mm
WIR / Kitchen/Living	Concrete Timber Framed Above Plasterboard 150mm	4.15		No Insulation	Carpet+Rubber Underlay 18mm
WIR	Suspended Concrete Slab 150mm	0.56	Totally Open	Bulk Insulation in Contact with Floor R2.5	Carpet+Rubber Underlay 18mm
Bedroom 1 / Kitchen/Living	Concrete Timber Framed Above Plasterboard 150mm	5.10		No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 1	Suspended Concrete Slab 150mm	17.36	Totally Open	Bulk Insulation in Contact with Floor R2.5	Carpet+Rubber Underlay 18mm
Bath / Kitchen/Living	Concrete Timber Framed Above Plasterboard 19mm	5.40		No Insulation	Ceramic Tiles 8mm
Bath / WIP	Concrete Timber Framed Above Plasterboard 19mm	4.11		No Insulation	Ceramic Tiles 8mm
WC FF / WIP	Concrete Timber Framed Above Plasterboard 19mm	1.06		No Insulation	Ceramic Tiles 8mm
Bedroom 3 / Kitchen/Living	Concrete Timber Framed Above Plasterboard 19mm	11.76		No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 4 / Kitchen/Living	Concrete Timber Framed Above Plasterboard 19mm	5.11		No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 4 / WC	Concrete Timber Framed Above Plasterboard 19mm	1.33		No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 4 / Laundry	Concrete Timber Framed Above Plasterboard 19mm	4.85		No Insulation	Carpet+Rubber Underlay 18mm



Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap* [yes/no]
Garage	Plasterboard on Timber	No insulation	
Entry	Plasterboard on Timber	Bulk Insulation R5	
Games	Plasterboard on Timber	Bulk Insulation R5	
Games	Plasterboard on Timber	Bulk Insulation R3	
Kitchen/Living	Concrete Timber Framed Above Plasterboard	No Insulation	
WC	Concrete Timber Framed Above Plasterboard	No Insulation	
Laundry	Concrete Timber Framed Above Plasterboard	No Insulation	
WIP	Concrete Timber Framed Above Plasterboard	No Insulation	
Bedroom 2	Plasterboard on Timber	Bulk Insulation R5	
Bedroom 2	Plasterboard on Timber	Bulk Insulation R3	
Media/Study	Plasterboard on Timber	Bulk Insulation R5	
Ensuite	Plasterboard on Timber	Bulk Insulation R5	
Ensuite	Plasterboard on Timber	Bulk Insulation R3	
WIR	Plasterboard on Timber	Bulk Insulation R5	
Bedroom 1	Plasterboard on Timber	Bulk Insulation R5	
Bedroom 1	Plasterboard on Timber	Bulk Insulation R3	
Bath	Plasterboard on Timber	Bulk Insulation R5	
Bath	Plasterboard on Timber	Bulk Insulation R3	
WC FF	Plasterboard on Timber	Bulk Insulation R5	
WC FF	Plasterboard on Timber	Bulk Insulation R3	
Bedroom 3	Plasterboard on Timber	Bulk Insulation R5	
Bedroom 4	Plasterboard on Timber	Bulk Insulation R5	
Bedroom 4	Plasterboard on Timber	Bulk Insulation R3	

Ceiling penetrations*

Location	Quantity	Туре	Diameter [mm]	Sealed/unsealed	
Garage	4	Downlights - LED	100	Sealed	
Entry	1	Downlights - LED	100	Sealed	
Kitchen/Living	14	Downlights - LED	100	Sealed	
WC	1	Downlights - LED	100	Sealed	



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Location	Quantity	Туре	Diameter [mm]	Sealed/unsealed
Laundry	2	Downlights - LED	100	Sealed
WIP	2	Downlights - LED	100	Sealed
Media/Study	7	Downlights - LED	100	Sealed
Ensuite	1	Exhaust Fans	300	Sealed
WIR	1	Downlights - LED	100	Sealed
Bedroom 1	4	Downlights - LED	100	Sealed
Bath	1	Exhaust Fans	300	Sealed
WC FF	1	Downlights - LED	100	Sealed

Ceiling fans

Location	Quantity	Diameter [mm]
Games	1	1200
Kitchen/Living	2	1200
Bedroom 2	1	1200
Media/Study	1	1200
Bedroom 1	1	1200
Bedroom 3	1	1200
Bedroom 4	1	1200

Roof type

Construction	Added insulation [R-value]	Solar absorptance	Roof shade [colour]
Corrugated Iron Timber Frame	Bulk, Reflective Side Down, No Air Gap Above R1.5	0.44	Medium
Corrugated Iron Timber Frame	Bulk, Reflective Side Down, No Air Gap Above R1.5	0.30	Light

Thermal bridging schedule for steel frame elements

Building element	Steel section dimensions [height x width, mm]	Frame spacing [mm]	Steel thickness [BMT,mm]	Thermal 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/m² is used for lighting, therefore lighting is not included in the appliance schedule.

0011838000 NatHERS Certificate Cooling system	7 Star R	Rating as of 04	4 Apr 2025				HIGU
Appliance/ system type	Loc	cation	Fuel type	eff	nimum iciency/ ormance		mended acity
No Data Available							
Heating system							
Appliance/ system type	Loc	cation	Fuel type	eff	nimum iciency/ ormance		mended acity
No Data Available							
Hot water system							
	Fuel type	Hot Water	Minimum efficiency e /STC	Zone 3 STC	toleranc	ubstitution e ranges	Assessed daily load [litres]
Appliance/ system type		CER Zone			lower limit	upper limit	1111111111
Appliance/ system type No Data Available		CER ZONE			lower limit	upper limit	[iities]
							[intes]
No Data Available		Fuel type		Minimu efficienc performa	m :y/	Recomm	ended

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

Annual energy load the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions. Assessed floor area the floor area modelied in the software for the purpose of the NaHERS assessment. Note, this may not be consistent with the floor area in the design documents. Ceiling penetrations Eastures that require a penetration to the ceiling, including downlights, wents, exhaust fans, range hoods, chinneys and flues. Exhaust fans, trange hoods, chinneys and flues. The ceiling with small holes through the ceiling to winning, e.g. ceiling fans, pendari flues, and ceiling and cooling based on standard occupancy assumptions. In some crumstances it will include gradges. Conditioned a zone within a dwelling that is expected to require heating and cooling based on standard occupancy assumptions. In some crumstances it will include gradges. Custom windows Bindows based in NaHERS software that are available on the market in Australia and have a WERS (Window Energy Rating Window, Btate in a specific type of window product and whose properties have been derived by statistical methods. ER Energy Efficiency Ratio, measure of now much cooling can be achieved by an air conditioner for a single Wh of electricity input Engry use The rel cost is tooling but not limited to costs to the building user, the environment and energy networks (as defined on the ABCB Housing Provisions Standard). Entrance door the selectify tryeliation benefits in the modelled to costs to the building user, the environment and energy networks (as defined on the ABCB Housing Provisions Standard).	AFRC	Australian Fenestration Rating Council
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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)	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).
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