Nationwide House Energy Rating Scheme[®] NatHERS[®] Certificate No. 0012028478

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

Property

Address Unit 2, 286 Sydney Road, Balgowlah , NSW , 2093

Lot/DP Lot 14 DP 225411

NCC class* 1a

Floor/all Floors G of 3 floors Type New Home

Plans

Main plan DA Issue 24.07.2024
Prepared by Blue Sky Building Designs

Construction and environment

Assessed floor area [m2]*

Conditioned* 144.7 Unconditioned* 8.5 Total 175.5

Garage 22.2

Exposure type

Suburban

NatHERS climate zone

56 Mascot (Sydney Airport)



Name Joseph Lorriman

Business name Evergreen Energy Consultants Pty Ltd

Email enquiries@evergreenec.com.au

Phone 1300 584 010
Accreditation No. DMN/16/1742

Assessor Accrediting Organisation

Design Matters National

Declaration of interest Declared, refer to "Additional Notes" on

page 2

NCC Requirements

NCC provisions Volume Two

Strate/Territory variation 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



NATIONWIDE HOUSE ENERGY RATING SCHEME

28.0 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	13.3	14.7
Load limits	N/A	N/A

Features determining load limits

Floor Type (lowest conditioned area)	SF
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=MAjXZskTW. 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

Νo

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.

* Refer to glossary. Generated on 04 Jul 2025 using BERS Pro v5.2.4 (3.23) for Unit 2, 286 Sydney Road , Balgowlah , NSW , 2093

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7.2 Star Rating as of 04 Jul 2025

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Certificate check	Approva	I 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.	Asses	Conse	Builde	Conse	lnoo0
Genuine certificate check					
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		1	1	1	
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 highrise apartment is "protected".					
Heating and cooling load limits*					
Do the load limits settings (shown on page 1) match what is shown					

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7.2 Star Rating as of 04 Jul 2025

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	I Stage	Stage Stage			
Certificate check 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 tl	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 Hom	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	1	1			
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 st requirements.					
Additional notes					
Important information about this certificate. This certificate is not a building s	pecificatio	n. Specific	ations		
used for the assessment are attached to the stamped plans and in the asses	ssor certific	cate issued	d by BSA.		
Information in this certificate may appear to be incorrect and should be interpolated	oreted by a	an accredit	ed assess	or.	



Conditioned and un-conditioned areas stated are not calculated in accordance with the BASIX definition.

Glazing tolerances in this certificate vary to the BASIX tolerances. For BASIX the SHGC can be +/- 10%.

The thermal performance services we provide are not classified as 'building work',

and do not involve us preparing or providing 'regulated designs', under the Design and Building

Practitioners Act 2020 (NSW) (Act). Requests for any form of compliance declaration required

under the Act should be directed to the appropriate building or design practitioner. Whilst our

services provide registered building certifiers with the information they may require in order to

provide compliance certificates (particularly in respect of whether regulatory thermal

performance requirements will be met), registered building certifiers are solely responsible for

issuing such compliance certificates.

Room schedule

Room	Zone Type	Area [m²]
Master Bed	Bedroom	24.1
Ensuite	Nighttime	5.65
Laundry	Unconditioned	3.27
Lower Hall	Daytime	9.11
Garage	Garage	22.19
WC	Daytime	1.91
Kitchen/Living	Kitchen/Living	61.47
Bedroom 1	Bedroom	14.59
Bedroom 2	Bedroom	11.15
Upper Hall	Daytime	9.8
Bath	Unconditioned	5.28
Void	Unconditioned	2.7
Media	Living	15.36

Window and glazed door type and performance

Default windows*

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



Custom windows*

Window ID	Window	Maximum	SHGC*	Substitution tolerance ranges		
willdow iD	Description U-value* SI		SHGC lower limit	SHGC upper limit		
ALS-010-018	Aluminium Sliding Door DG LB Clr 4/16/4	3.0	0.45	0.43	0.48	
ALS-003-012	Aluminium Sliding Window DG LB Clr 4/8/4	3.2	0.47	0.45	0.50	
ALS-045-011	Aluminium Hinged Door DG LB Clr 4/16/4	3.1	0.41	0.39	0.43	
ALS-018-036	Aluminium Awning Window DG LB Clr 4/16/4	4.2	0.38	0.36	0.40	
ALS-028-019	Aluminium Fixed Window DG LB Clr 4/10/4	2.2	0.53	0.51	0.56	

Window and glazed door schedule

Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device*
Master Bed	ALS-010-018-001	n/a	2400	4800	Sliding	70	N	No
Ensuite	ALS-003-012-001	n/a	600	1500	Sliding	45	E	No
Laundry	ALS-045-011-001	n/a	2100	760	Casement	90	E	No
Garage	ALS-018-036-001	n/a	1200	600	Awning	90	E	No
Garage	ALS-028-019-001	n/a	1200	600	Fixed	00	E	No
Kitchen/Living	ALS-028-019-001	n/a	2100	350	Fixed	00	S	No
Kitchen/Living	ALS-028-019-001	n/a	2100	350	Fixed	00	S	No
Kitchen/Living	ALS-028-019-001	n/a	513	1770	Fixed	00	S	No
Kitchen/Living	ALS-010-018-001	n/a	2400	4800	Sliding	60	N	No
Kitchen/Living	ALS-018-036-001	n/a	1200	600	Awning	90	E	No
Kitchen/Living	ALS-018-036-001	n/a	1200	600	Awning	90	E	No
Kitchen/Living	ALS-028-019-001	n/a	1200	600	Fixed	00	E	No
Kitchen/Living	ALS-028-019-001	n/a	1200	600	Fixed	00	Е	No
Bedroom 1	ALS-010-018-001	n/a	2100	2700	Sliding	60	N	No
Bedroom 2	ALS-028-019-001	n/a	1500	700	Fixed	00	S	No
Bedroom 2	ALS-018-036-001	n/a	1500	700	Awning	90	S	No
Bedroom 2	ALS-018-036-001	n/a	1500	700	Awning	90	S	No
Upper Hall	ALS-028-019-001	n/a	1200	600	Fixed	00	N	No

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Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device*
Bath	ALS-003-012-001	n/a	600	1500	Sliding	45	E	No
Void	ALS-028-019-001	n/a	1200	1500	Fixed	00	S	No
Media	ALS-018-036-001	n/a	1400	750	Awning	90	N	No

1400

750 Awning

n/a

90

Ε

No

Roof window* type and performance value

ALS-018-036-001

Default roof windows*

Media

Window ID	Window	Maximum	SHGC*	Substitution tolerance ranges		
	Description	U-value*	SHGC	SHGC lower limit	SHGC upper limit	
No Doto Avoil	abla					

Custom roof windows*

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

Roof window* schedule

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

Skylight* type and performance

Skylight ID	Skylight description	Skylight shaft reflectance
GEN-04-008a	Double-glazed clear, Timber and Aluminium Frame	0.5

Skylight* schedule

Location	Skylight ID	Skylight No.	Skylight shaft length [mm]	Area [m²] Orientation	Outdoor shade	Diffuser
Upper Hall	GEN-04-008a	S5	300	0.90 W	None	No
Upper Hall	GEN-04-008a	S6	300	0.90 W	None	No

External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation
Garage	2100	2900	90	S



Location	Height [mm]	Width [mm]	Opening %	Orientation
Kitchen/Living	2100	920	90	S

External wall type

Wall ID	Wall type	Solar Wa absorptance [co	all shade Bulk insulation plour] [R-value]	Reflective wall wrap*
EW-1	Fibro Timber Stud Frame Panel Direct Fix	0.30	Bulk Insulation R2.5	No
EW-2	Concrete Block, Lined Timber Stud Frame	0.30	Bulk Insulation R2.5	No
EW-3	Metal Clad Timber Stud Frame 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]
Master Bed	EW-1	2700	4100	E	100	No
Master Bed	EW-1	2700	1200	S	12100	No
Master Bed	EW-1	2700	5600	N	1800	Yes
Ensuite	EW-1	2700	1890	E	1300	Yes
Laundry	EW-1	2400	1550	E	1300	No
Lower Hall	EW-2	2400	1300	E	4700	No
Lower Hall	EW-2	2400	1000	S	2400	No
Garage	EW-1	2450	7095	E	600	No
Garage	EW-1	2450	3600	S	600	No
Garage	EW-1	2450	1495	W	2100	No
Kitchen/Living	EW-1	3250	2000	S	2100	Yes
Kitchen/Living	EW-1	3000	5600	N	2100	Yes
Kitchen/Living	EW-1	2450	8995	E	600	No
Bedroom 1	EW-1	2450	3895	E	600	No
Bedroom 1	EW-3	600	495	N	0	No
Bedroom 1	EW-1	1850	495	N	600	No
Bedroom 1	EW-1	2450	3300	N	600	No
Bedroom 2	EW-1	2450	3895	Е	600	No
Bedroom 2	EW-1	2450	2900	S	600	No
Bedroom 2	EW-1	2450	1500	W	600	No
Upper Hall	EW-3	600	1095	N	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]	
Upper Hall	EW-1	1850	1095	N	600	No	
Bath	EW-1	2450	1890	Е	600	No	
Void	EW-3	600	1995	S	0	Yes	
Void	EW-1	1850	1995	S	600	No	
Media	EW-1	2400	1200	N	9400	No	
Media	EW-1	2400	3400	E	100	No	
Media	EW-2	2400	4595	S	5200	No	

Internal wall type

Wall ID	Wall type	Area [m²] Bulk insulation			
IW-001	Timber Stud Frame, Direct Fix Plasterboard	80.48	No insulation		
IW-002	Shaft liner party wall with plaster	78.18	Bulk Insulation both sides of shaft liner R2.5		
IW-003	Concrete Block	0.00	No insulation		
IW-004	Timber Stud Frame, Direct Fix Plasterboard	23.52	Bulk Insulation, No Air Gap R2.5		

Floor type

Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Master Bed	Concrete Slab on Ground 100mm	24.10	None	Bulk Insulation in Contact with Floor R2.3	Carpet+Rubber Underlay 18mm
Ensuite	Concrete Slab on Ground 100mm	5.65	None	Bulk Insulation in Contact with Floor R2.3	Carpet+Rubber Underlay 18mm
Laundry	Concrete Slab on Ground 100mm	3.27	None	Bulk Insulation in Contact with Floor R2.3	Ceramic Tiles 8mm
Lower Hall	Concrete Slab on Ground 100mm	9.11	None	Bulk Insulation in Contact with Floor R2.3	Cork Tiles or Parquetry 8mm

7.2 Star Rating as of 04 Jul 2025



Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Garage / Media	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 100mm	4.34		No Insulation	Cork Tiles or Parquetry 8mm
Garage	Concrete Slab on Ground 100mm	17.20	None	Bulk Insulation in Contact with Floor R2.3	Bare
WC / Media	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 100mm	1.91		No Insulation	Ceramic Tiles 8mm
Kitchen/Living / Master Bed	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 100mm	17.97		No Insulation	Cork Tiles or Parquetry 8mm
Kitchen/Living / Ensuite	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 100mm	0.00		No Insulation	Cork Tiles or Parquetry 8mm
Kitchen/Living / Laundry	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 100mm	0.00		No Insulation	Cork Tiles or Parquetry 8mm
Kitchen/Living / Lower Hall	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 100mm	3.11		No Insulation	Cork Tiles or Parquetry 8mm
Kitchen/Living / Media	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 100mm	2.15		No Insulation	Cork Tiles or Parquetry 8mm
Kitchen/Living	Concrete Slab on Ground 100mm	5.86	None	Bulk Insulation in Contact with Floor R2.3	Cork Tiles or Parquetry 8mm
Kitchen/Living	Suspended 35mm Fibre- Reinforced Concrete Floor Timber Frame 42mm	4.10	None	Bulk Insulation in Contact with Floor	Cork Tiles or Parquetry 8mm
Bedroom 1 / Garage	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 19mm	1.34		Bulk Insulation R3	Carpet+Rubber Underlay 18mm
Bedroom 1 / WC	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 19mm	1.97		No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 1 / Kitchen/Living	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 19mm	10.82		No Insulation	Carpet+Rubber Underlay 18mm
Bedroom 2 / Garage	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 19mm	10.62		Bulk Insulation R3	Carpet+Rubber Underlay 18mm



Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Bedroom 2 / Kitchen/Living	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 19mm	0.36		No Insulation	Carpet+Rubber Underlay 18mm
Upper Hall / Kitchen/Living	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 19mm	7.05		No Insulation	Cork Tiles or Parquetry 8mm
Bath / Garage	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 19mm	5.28		Bulk Insulation R3	Ceramic Tiles 8mm
Void / Kitchen/Living	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard 19mm	0.00		No Insulation	Carpet+Rubber Underlay 18mm
Media	Concrete Slab on Ground 100mm	15.36	None	Bulk Insulation in Contact with Floor R2.3	n Cork Tiles or Parquetry 8mm

Ceiling type

Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap* [yes/no]	
Master Bed	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard	No Insulation		
Ensuite	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard	No Insulation		
Laundry	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard	No Insulation		
Lower Hall	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard	No Insulation		
Garage	Plasterboard on Timber	Bulk Insulation R5		
Garage	Plasterboard on Timber	Bulk Insulation R3		
Garage	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard	Bulk Insulation R3		
WC	Plasterboard on Timber	Bulk Insulation R5		
WC	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard	No Insulation		
Kitchen/Livin	g Plasterboard on Timber	Bulk Insulation R5		
Kitchen/Livin	g Plasterboard on Timber	Bulk Insulation R3		
Kitchen/Livin	35mm Fibre-Reinforced Concrete Timber Frame Above Plasterboard	No Insulation		
Bedroom 1	Plasterboard on Timber	Bulk Insulation R5		
Bedroom 1	Plasterboard on Timber	Bulk Insulation R3		

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Location	Construction material/type		Bulk insulation R-value (may include edge batt values)	Reflective wrap* [yes/no]
Bedroom 2	Plasterboard on Timbe	r	Bulk Insulation R5	
Bedroom 2	Plasterboard on Timbe	r	Bulk Insulation R3	
Upper Hall	Plasterboard on Timbe	r	Bulk Insulation R5	
Upper Hall	Plasterboard on Timbe	r	Bulk Insulation R3	
Bath	Plasterboard on Timbe	r	Bulk Insulation R5	
Bath	Plasterboard on Timbe	r	Bulk Insulation R3	
Void	Plasterboard on Timbe	r	Bulk Insulation R5	
Void	Plasterboard on Timbe	er	Bulk Insulation R3	
Media	35mm Fibre-Reinforce	d Concrete Timber Frame Above	No Insulation	

Ceiling penetrations*

Location	Quantity	Туре	Diameter [mm]	Sealed/unsealed	
Master Bed	4	Downlights - LED	150	Sealed	
Ensuite	1	Exhaust Fans	350	Sealed	
Laundry	1	Exhaust Fans	350	Sealed	
Lower Hall	3	Downlights - LED	150	Sealed	
WC	1	Exhaust Fans	350	Sealed	
Kitchen/Living	10	Downlights - LED	150	Sealed	
Kitchen/Living	1	Exhaust Fans	350	Sealed	
Bedroom 1	2	Downlights - LED	150	Sealed	
Bedroom 2	2	Downlights - LED	150	Sealed	
Upper Hall	2	Downlights - LED	150	Sealed	
Bath	1	Exhaust Fans	350	Sealed	

Ceiling fans

Location	Quantity	Diameter [mm]
Master Bed	1	1400
Kitchen/Living	1	1800
Bedroom 1	1	1400
Bedroom 2	1	1400
Media	1	1800



Roof type

Construction	Added insulation [R-value]	Solar absorptance	Roof shade [colour]
Corrugated Iron Timber Frame	Bulk, Reflective Side Down, No Air Gap Above R1.3	0.43	Medium
Corrugated Iron Timber Frame	Bulk, Reflective Side Down, No Air Gap Above R1.3	0.44	Medium

Thermal bridging schedule for steel frame elements

Building element	Steel section dimensions [height x width, mm]	Frame spacing [mm]	Steel thickness [BMT,mm]	break [R-value]
N D (A II II				

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 $5W/m^2$ is used for lighting, therefore lighting is not included in the appliance schedule.

Cooling system

Appliance/ system type	Lo	cation F	uel type	Minimum efficiency/ performance		Recommended capacity	
No Data Available							
Heating system							
Appliance/ system type	Minimum iance/ system type Location Fuel type efficiency/ performance		iciency/	Recommended capacity			
No Data Available							_
Hot water system							
Appliance/ system type	Fuel type	Hot Water CER Zone	Minimum efficiency /STC	Zone 3 STC		ubstitution e ranges upper limit	Assessed daily load [litres]
No Data Available							
Pool/spa equipment							
Appliance/ system type		Fuel type		Minimum efficiency/ performance		Recommended capacity	
No Data Available							

No Data Available



Onsite Renewable Energy Schedule

System Type	Orientation	System Size Or Generation Capacity
No Data Available		
Battery Sched	dule	
System Type	Size [Battery Sto	prage Capacityl

 * Refer to glossary. Generated on 04 Jul 2025 using BERS Pro v5.2.4 (3.23) for Unit 2, 286 Sydney Road , Balgowlah , NSW , 2093



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)	or 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)