# Nationwide House Energy Rating Scheme<sup>®</sup> NatHERS<sup>®</sup> Certificate No. 35B2FIUF6G

Generated on 16 Jun 2025 using FirstRate5: 5.5.5a (3.22)

## **Property**

Address D2, 94 Edgecliff Boulevard,

Collaroy Plateau, NSW, 2097

Lot/DP C/-/DP341590
NCC Class\* Class 1a

Floor/all Floors

Type New Home

## **Plans**

Main plan REV B Prepared by DD

## Construction and environment

Assessed floor area [m²]\* Exposure type
Conditioned\* 245.6 suburban

Unconditioned\* 63.1 NatHERS climate zone

Total 308.7 56 Mascot AMO

Garage 35.6



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Accreditation No. 101225
Assessor Accrediting Organisation

ABSA

Declaration of interest No

# **NCC** Requirements

NCC provisions Volume 2 State/Territory variation Yes

#### **National Construction Code (NCC) requirements**

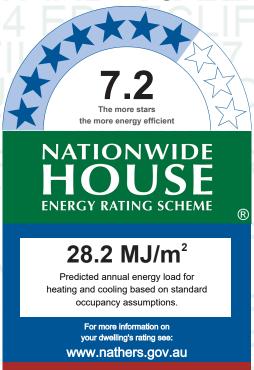
The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two.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



## Thermal performance [MJ/m²]

Limits taken from ABCB Standard 2022

	Heating	Cooling		
Modelled	14.7	13.5		
Load limits	N/A	N/A		

#### Features determining load limits

N/A
N/A
N/A
N/A

# 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 https://w ww.fr5.com.au/QRCodeLand ing?PublicId=35B2FIUF6G When using either link, ensure you are visiting www.fr5.com.au.



# HOUSE

## **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.

# **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 NatHERS heating and cooling load limits Standard 2022 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

Νo

NA – not applicable

Outdoor living area:

Yes

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

Shows the contribution each appliance has on the home's annual energy use, greenhouse gas emissions and cost without solar

#### Energy use:

No Whole of Home performance assessment conducted for this certificate.

#### Greenhouse gas emissions:

No Whole of Home performance assessment conducted for this certificate.

Cost:

No Whole of Home performance assessment conducted for this certificate.

Graph key:

Certificate check	Approva	stage	Construct stage	tion	
The checklist covers important items impacting the dwelling's ratings. It is recommended that the accuracy of the whole certificate is checked.  Note: The boxes indicate when and who should check each item. It is not mandatory to complete this checklist.	Assessor checked	Consent authority/ surveyor checked	Builder checked	Consent authority/ surveyor checked	Occupancy/other
· ·	As	ರ ೫	Bu	ರ ೫	ŏ
Genuine certificate check			1	ı	
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 the values in the ABCB Standard 2022: NAtHERS heating and cooling load limits for the appropriate climate zone?					

Certificate check	ked	_			
Continued	Assessor checked	Consent authority/ surveyor checked	Builder checked	Consent authority/ surveyor checked	Occupancy/other
Additional NCC requirements for thermal performance (not included in t	the Nat	HERS a	ssessme	nt)	
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 performance check)	nance as	sessment	t is not con	ducted)	
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 asse	ssment)			
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. 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**

# Room schedule

Room	Zone Type	Area [m²]
Basement	garage	35.6
Laundry	dayTime	5.8
CELLER	unconditioned	19.4
Basement Entry Hallway	dayTime	24.7
lift	dayTime	2.4
Lounge	living	23.1
Bath	dayTime	5.8
Kitchen/Living/Dining	kitchen	56.2
Ground Entry Hallway	dayTime	29.8
LIFT1	dayTime	2.4
Upstairs Bath	unconditioned	8.2
MasterBed	bedroom	18.4
WIR MasterBed	nightTime	7.8
ENS MasterBed	nightTime	6.4
Upstairs Hallway	dayTime	28.8
Bed2	bedroom	13.8
Bed3	bedroom	13.8
Bed4	bedroom	14.8
Void	doubleHeightVoid	11.7
lift 2	dayTime	2.3

# Window and glazed door type and performance

### Default\* windows

				Substitution tolerance ranges		
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit	
No Data Availa	able					

### Custom\* windows

				Substitution tolerance ranges		
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit	
AWS-013-54 A	541/542 AI Sliding Door DG 008_AGG PLUS Clr 4_12_4	2.97	0.5	0.48	0.53	
AWS-071-32 A	RES SERIES 616 FIXED WINDOW DG 4mmClr-12Ar-4mmOptithermLE	2.71	0.53	0.5	0.56	
AWS-035-63 B	726 Thermal Heart Awning Window DG 638VLam/12/6SoIE	3.02	0.4	0.38	0.42	



# Window and glazed door schedule

			Usiabt	Width				Window shading
Location	Window ID	Window no.	Height [mm]	[mm]	Window type	Opening %	Orientation	device*
Lounge	AWS-013-54 A	D7	2400	4400	sliding	45.0	N	No
Kitchen/Living/- Dining	AWS-013-54 A	D13	2400	3200	sliding	45.0	S	No
Kitchen/Living/- Dining	AWS-013-54 A	D12	2400	1800	sliding	45.0	S	No
Kitchen/Living/- Dining	AWS-071-32 A	D11A	2400	1830	fixed	0.0	N	No
Kitchen/Living/- Dining	AWS-013-54 A	D11	2400	3800	sliding	60.0	E	No
Ground Entry Hallway	AWS-071-32 A	W2	2400	2400	fixed	0.0	S	No
Ground Entry Hallway	AWS-071-32 A	W1	1500	1000	fixed	0.0	N	No
Upstairs Bath	AWS-035-63 B	W4	1500	1500	awning	80.0	E	No
MasterBed	AWS-013-54 A	D14	2400	3200	sliding	45.0	N	No
ENS MasterBed	AWS-035-63 B	W3	600	2400	awning	80.0	N	No
Upstairs Hallway	AWS-035-63 B	W5	2100	1200	awning	80.0	E	No
Bed2	AWS-035-63 B	W6	2100	1200	awning	80.0	E	No
Bed3	AWS-035-63 B	W10	2100	1200	awning	80.0	E	No
Bed4	AWS-035-63 B	W11	1200	2400	awning	80.0	S	No
Void	AWS-071-32 A	W8	2100	2400	fixed	0.0	E	No
Void	AWS-071-32 A	W7	2100	1500	fixed	0.0	N	No
Void	AWS-071-32 A	W9	2100	1500	fixed	0.0	S	No

# Roof window\* type and performance value

Default\* roof windows

				Substitution to	olerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
No Data Available					

Custom\* roof windows

				Substitution to	lerance ranges
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
Velux:VEL-011-01 W	VELUX FS - Fixed Skylight DG 3mm LoE 366 / 8.5mm Argon Gap / 5.36mm Clear La	2.58	0.24	0.23	0.25

# Roof window\* schedule

7.2 Star Rating as of 16 Jun 2025

HOUSE

Location	Window ID	Window no.	Opening %	Area [m²]	Width [mm]	Orientation	Outdoor shade	Indoor shade
WIR MasterBed	Velux:VEL-011-01 W	W15	0.0	0.5	0	W	None	None
Upstairs Hallway	Velux:VEL-011-01 W	W12	0.0	0.5	0	W	None	None
Upstairs Hallway	Velux:VEL-011-01 W	W13	0.0	0.5	0	SW	None	None
Upstairs Hallway	Velux:VEL-011-01 W	W14	0.0	0.5	0	W	None	None

# Skylight\* type and performance

Skylight ID Skylight description Skylight shaft reflectance

No Data Available

# Skylight\* schedule

Skylight shaft Area Orient- Outdoor

Location Skylight ID Skylight No. length [mm] [m²] ation shade Diffuser

No Data
Available

## External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation	
Basement	2100	5000	100.0	N	
Basement Entry Hallway	2400	1020	100.0	N	

# External wall type

Wall ID	Wall type	Solar absorptance	Wall shade [colour]	Bulk insulation [R-value]	Reflective wall wrap*
1	FR5 - Concrete Block Solid/Core Filled	0.5	Medium		No
2	WALL-01 - WALL-BASEMENT	0.5	Medium	Polyurethane rigid foamed aged: R2.0 (R2.0)	No
3	WALL-01 - RENDER	0.3	Light	Glass fibre batt: R2.5 (R2.5)	Yes
4	WALL-01 - DOUBLE BRICK	0.5	Medium		No
5	EX-01 - HABEL	0.3	Light	Glass fibre batt: R2.5 (R2.5)	Yes

# External wall schedule

					Horizontal shading	Vertical shading feature* (yes/no)	
Location	Wall ID	Height [mm]	Width [mm]	Orientation	feature* maximum projection [mm]		
Basement	1	2400	6129	E	0	Yes	
Basement	1	2400	5785	N	0	No	
Basement	1	2400	6148	W	0	No	



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Laundry	1	2400	3280	W	0	No
CELLER	1	2400	4230	W	0	No
CELLER	2	2400	4621	S	0	No
CELLER	2	2400	4187	E	0	No
Basement Entry Hallway	2	2400	696	E	0	Yes
Basement Entry Hallway	2	2400	3015	S	0	No
Basement Entry Hallway	2	2400	4059	Е	0	No
Basement Entry Hallway	1	2400	1764	N	0	Yes
lift	1	2400	1351	W	0	No
Lounge	3	2700	258	E	0	Yes
Lounge	3	2700	252	NE	0	No
Lounge	3	2700	259	NE	0	No
Lounge	3	2700	5317	N	2134	Yes
Lounge	4	2700	4021	W	0	No
Lounge	3	2700	3449	E	0	Yes
Bath	4	2700	3268	W	0	No
Kitchen/Living/Dining	3	2700	4539	S	3416	Yes
Kitchen/Living/Dining	3	2700	1071	E	0	Yes
Kitchen/Living/Dining	3	2700	3014	S	0	Yes
Kitchen/Living/Dining	3	2700	5094	E	0	Yes
Kitchen/Living/Dining	3	2700	3009	N	0	Yes
Kitchen/Living/Dining	3	2700	2849	E	0	Yes
Kitchen/Living/Dining	4	2700	9013	W	0	No
Ground Entry Hallway	4	2700	1033	W	0	No
Ground Entry Hallway	3	2700	1828	E	0	Yes
Ground Entry Hallway	3	2700	3013	S	0	Yes
Ground Entry Hallway	3	2700	4056	E	0	Yes
Ground Entry Hallway	3	2700	1781	N	0	Yes
LIFT1	4	2700	1364	W	0	No
Upstairs Bath	5	2700	3228	E	0	No
Upstairs Bath	5	2700	2107	S	0	Yes
MasterBed	5	2700	3590	E	0	No
MasterBed	5	2700	268	E	0	No
MasterBed	5	2700	269	E	0	No
MasterBed	5	2700	239	NE	0	No
MasterBed	5	2700	217	NE	0	No
MasterBed	5	2700	3700	N	1668	Yes
WIR MasterBed	4	2700	3887	W	0	No
ENS MasterBed	5	2700	2379	N	801	Yes
				• •		. 2-



ENS MasterBed	4	2700	2690	W	0	No
Upstairs Hallway	5	2700	2488	E	0	Yes
Upstairs Hallway	4	2700	10441	W	0	No
Bed2	5	2700	1888	Е	0	Yes
Bed3	5	2700	1360	E	0	Yes
Bed4	4	2700	3151	W	0	No
Bed4	5	2700	4709	S	283	Yes
Bed4	5	2700	3153	E	0	Yes
Void	5	2700	4340	E	0	No
Void	5	2700	163	E	0	Yes
Void	5	2700	159	E	0	Yes
Void	5	2700	156	NE	0	Yes
Void	5	2700	131	NE	0	Yes
Void	5	2700	1915	N	0	Yes
Void	5	2700	2002	S	0	Yes
Void	5	2700	147	S	0	Yes
Void	5	2700	151	SE	0	Yes
Void	5	2700	101	SE	0	No
Void	5	2700	100	SE	0	No
lift 2	4	2700	1315	W	0	No

# Internal wall type

Wall ID	Wall type	Area [m²]	Bulk insulation
1	FR5 - Concrete Block Solid/Core Filled	39.7	Glass fibre batt: R2.5 (R2.5)
2	FR5 - Internal Plasterboard Stud Wall	149.2	Glass fibre batt: R2.0 (R2.0)
3	FR5 - Internal Plasterboard Stud Wall	27.5	

# Floor type

R5 - CSOG: Slab on cound R5 - CSOG: Slab on cound R5 - CSOG: Slab on	10.5 25.1	Enclosed	R2.0	none
ound	25.1	Enclosed	R2.0	none
PE CSOC: Slab on				
ound	5.8	Enclosed	R2.0	Tiles
R5 - CSOG: Slab on round	19.4	Enclosed	R2.0	Tiles
R5 - CSOG: Slab on round	24.7	Enclosed	R2.0	Tiles
R5 - CSOG: Slab on	2.4	Enclosed	R2.0	Tiles
	ound 5 - CSOG: Slab on	ound 24.7	ound 24.7 Enclosed  5 - CSOG: Slab on 2.4 Enclosed	24.7 Enclosed R2.0 24.7 Enclosed R2.0 24 Enclosed R2.0

NATIONWIDE HOUSE	

lift 2	FR5 - Timber Lined	2.3	Enclosed	R2.5	Timber (Mountain ash)
Void	No Floor	11.7	Enclosed	R2.5	No Floor
Bed4	FR5 - Timber Lined	14.8	Elevated	R2.5	Timber
Bed3	FR5 - Timber Lined	13.8	Enclosed	R2.5	Timber
Bed2	FR5 - Timber Lined	13.8	Enclosed	R2.5	Timber
Upstairs Hallway	FR5 - Timber Lined	28.8	Enclosed	R2.5	Timber
ENS MasterBed	FR5 - Timber Lined	6.4	Enclosed	R2.5	Tiles
WIR MasterBed	FR5 - Timber Lined	7.8	Enclosed	R2.5	Timber
MasterBed	FR5 - Timber Lined	16	Enclosed	R2.5	Timber
MasterBed	FR5 - Timber Lined	2.3	Elevated	R2.5	Timber
Upstairs Bath	FR5 - Timber Lined	8.2	Enclosed	R2.5	Tiles
LIFT1	FR5 - 150mm concrete slab Lined	2.4	Enclosed	R2.5	Timber
Ground Entry Hallway	FR5 - 150mm concrete slab Lined	27.5	Enclosed	R2.5	Tiles
Ground Entry Hallway	FR5 - 150mm concrete slab Lined	2.3	Enclosed	R2.5	Tiles
Kitchen/Living/D- ining	FR5 - CSOG: Slab on Ground	38.4	Enclosed	R2.0	Tiles
Kitchen/Living/D- ining	FR5 - CSOG: Slab on Ground	2.6	Enclosed	R2.0	Tiles
Kitchen/Living/D- ining	FR5 - 150mm concrete slab Lined	15.2	Enclosed	R2.5	Tiles
Bath	FR5 - 150mm concrete slab Lined	5.8	Enclosed	R2.5	Tiles
Lounge	FR5 - 150mm concrete slab Lined	23.1	Enclosed	R2.5	Tiles

# Ceiling type

0 ) (			
Location	Construction material/type	Bulk insulation R-value [may include edge batt values]	Reflective wrap*
Basement	Plasterboard	R0.0	No
Basement	FR5 - 150mm concrete slab Lined	R2.5	No
Laundry	FR5 - 150mm concrete slab Lined	R2.5	No
CELLER	FR5 - 150mm concrete slab Lined	R2.5	No
Basement Entry Hallway	FR5 - 150mm concrete slab Lined	R2.5	No
lift	FR5 - 150mm concrete slab Lined	R2.5	No
Lounge	FR5 - Timber Lined	R2.5	No



Lounge	Plasterboard	R0.0	No
Bath	FR5 - Timber Lined	R2.5	No
Kitchen/Living/D- ining	FR5 - Timber Lined	R2.5	No
Kitchen/Living/D- ining	FR5 - Timber Lined	R2.5	No
Kitchen/Living/D- ining	Plasterboard	R7.0	Yes
Kitchen/Living/D- ining	FR5 - Timber Lined	R2.5	No
Ground Entry Hallway	Plasterboard	R7.0	Yes
Ground Entry Hallway	FR5 - Timber Lined	R2.5	No
LIFT1	FR5 - Timber Lined	R2.5	No
Upstairs Bath	Plasterboard	R7.0	Yes
MasterBed	Plasterboard	R7.0	Yes
MasterBed	Plasterboard	R7.0	Yes
WIR MasterBed	Plasterboard	R7.0	Yes
ENS MasterBed	Plasterboard	R7.0	Yes
Upstairs Hallway	Plasterboard	R7.0	Yes
Bed2	Plasterboard	R7.0	Yes
Bed3	Plasterboard	R7.0	Yes
Bed4	Plasterboard	R7.0	Yes
Void	Plasterboard	R7.0	Yes
lift 2	Plasterboard	R7.0	Yes

# Ceiling penetrations\*

Coming perietrations					
Location	Quantity	Туре	Height [mm]	Width [mm]	Sealed/unsealed
Laundry	1	Exhaust Fans	250	250	Sealed
Laundry	1	Downlights	100	100	Sealed
CELLER	2	Downlights	100	100	Sealed
Basement Entry Hallway	4	Downlights	100	100	Sealed
lift	1	Downlights	100	100	Sealed
Lounge	4	Downlights	100	100	Sealed
Bath	1	Exhaust Fans	250	250	Sealed
Kitchen/Living/Dining	10	Downlights	100	100	Sealed
Kitchen/Living/Dining	1	Exhaust Fans	250	250	Sealed
Ground Entry Hallway	4	Downlights	100	100	Sealed
Upstairs Bath	1	Exhaust Fans	250	250	Sealed
MasterBed	4	Downlights	100	100	Sealed
WIR MasterBed	1	Downlights	100	100	Sealed
ENS MasterBed	1	Exhaust Fans	250	250	Sealed
Upstairs Hallway	5	Downlights	100	100	Sealed
Bed2	2	Downlights	100	100	Sealed

7.2 Star Rating as of 16 Jun 2025

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Bed3	2	Downlights	100	100	Sealed
Bed4	2	Downlights	100	100	Sealed
lift 2	1	Downlights	100	100	Sealed

Ceiling fans

Location Quantity Diameter [mm]

No Data Available

# Roof type

	Added insulatio	n		
Construction	[R-value]	Solar absorptance	Roof shade [colour]	
Framed:Flat - Flat Framed (Metal Deck)	0.0	0.5	Medium	
Ceil: Ceiling	0.0	0.5	Medium	
Framed:Flat - Flat Framed (Metal Deck)	1.8	0.3	Light	

# Thermal bridging schedule for steel frame elements

Steel section dimensions

Steel thickness
Thermal break
[height x width, mm]
Frame spacing [mm]
[BMT,mm]
[R-value]

No Data Available

**Building element** 

## 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.

#### Cooling system

			Minimum efficiency/	Recommended	
Appliance/ system type	Location	Fuel type	performance	capacity	
No Whole of Home perform	ance assessment co	nducted for this certification	ate.		

#### Heating system

			Minimum efficiency/	Recommended	
Appliance/ system type	Location	Fuel type	performance	capacity	
No Whole of Home perform	ance assessment co	inducted for this certific	ate		

Hot water system

		Minimum			
		efficiency/	<b>Hot Water CER</b>		Assessed daily
Appliance/ system type	Fuel type	performance	Zone	Zone 3 STC	load
			_		

No Whole of Home performance assessment conducted for this certificate.

### Pool/spa equipment

		Minimum efficiency/	Recommended	
Appliance/ system type	Fuel type	performance	capacity	
No Whole of Home performance assessment co	onducted for this certificate	Э.		

# Onsite renewable energy schedule

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

System type Orientation System size or generation capacity

No Whole of Home performance assessment conducted for this certificate.

# Battery schedule

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

System type Size [battery storage capacity]

No Whole of Home performance assessment conducted for this certificate.

## **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.
AFRC	Australian Fenestration Rating Council
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.
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.
СОР	Coefficient of performance
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 ventilate corridor in a Class 2 building.
Exposure category – expose	ed 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 –	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
suburban	
Exposure category –	terrain with numerous, closely spaced obstructions over 10 m e.g. city and industrial areas.
protected	
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 air gap 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.
Solar heat gain coefficient	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.
(SHGC)	<u> </u>

7.2 Star Rating as of 16 Jun 2025

NATIONWIDE HOUSE	

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 Regulatory
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, continuous thermal breaks such as polystyrene
	insulation sheeting, plastic strips or furring channels.
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	a device fixed to windows that provides shading e.g. window awnings or screens but excludes horizontal* or vertical shading features*
	(eg eaves and balconies)