Nationwide House Energy Rating Scheme[®] NatHERS[®] Certificate No. 0011765633

Generated on 06 Mar 2025 using BERS Pro v5.2.4 (3.23)

Property

Address

Lot/DP NCC class' Floor/all Floors Type

18B Yamba Street. HAWKS NEST, NSW, 2324 Lot 85 DP 16379 1a G of 1 floors New Home

Plans

Main plan Prepared by Condor 2019633 B Masterton Homes

Construction and environment

Assessed floor area [m2]*

Conditioned* 172.6 Unconditioned* 14.5 Total 223.8 Garage 36.6

Exposure type Suburban

NatHERS climate zone 11 Coffs Harbour



Accredited assessor

Name lan Fry **Business name** Frys Energywise Email comply@frysenergywise.com.au Phone 02 9899 2825 Accreditation No. DMN/12/1441 Assessor Accrediting Organisation **Design Matters National** Declaration completed: no conflicts

Declaration of interest

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.a

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

29.4 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	10.0	19.5	
Load limits	N/A	N/A	

Features determining load limits

Floor Type (lowest conditioned area)	csoo
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=XRXGCAYNi. 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.

Heating & Cooling Load Limits

Additional information

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

Setting Options:

Floor Type:

- CSOG Concrete Slab on Ground
- SF Suspended Floor (or a mixture of CSOG and SF) NA Not Applicable

NCC Climate Zone 1 or 2:

Yes No

NA – Not Applicable

Outdoor Living Area:

Yes No

NA – Not Applicable

Outdoor Living Area Ceiling Fan:

Yes No

NA - Not Applicable

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

No Whole of Home performance assessment conducted for this certificate

Cost



7.4 Star Rating as of 06 Mar 2025

Certificate check	Approva	I Stage	Construe Stage	ction	KALIOSYMUL KALIOSYMUL
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 Surve)	Builde	Conse Survey	Occup
Genuine certificate check		л	л		
Does this Certificate match the one available at the web address or QR code verification link on the front page?					
Does the NatHERS certificate number on the NatHERS-stamped plans match the number on this Certificate?					
Thermal performance check					
Windows and glazed doors					
Does the window size, opening type and location shown on the NatHERS-stamped plans or as installed match what is shown in 'Window and glazed door schedule' and 'Roof window schedule' tables on this Certificate?					
Does the installed windows meet the substitution tolerances (AFRC* based SHGC* and U-values*) as shown in the 'Window and glazed door type and performance' and 'Roof window type and performance' tables on this Certificate?					
External walls					
Does the external wall bulk insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the External wall type table on this Certificate?					
Does the external wall shade (colour) match what is shown in the 'External wall type' table on this Certificate?					
Floor					
Does the floor insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Floor type' table on this certificate?					
Ceiling penetrations*					
Does the 'quantity' and 'type' of ceiling penetrations* (e.g. downlights, exhaust fans, etc) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Ceiling penetrations' table on this Certificate?					
Ceiling					
Does the ceiling insulation (R-value) shown on the NatHERS-stamped plans or as installed match what is shown in the 'Ceiling type' table on this Certificate?					
Roof					
Does the external roof shade (colour) on the NatHERS stamped plans or as installed match what is shown in the 'Roof type' table on this Certificate?					
Apartment entrance doors (NCC Class 2 assessments only)					
Does the 'External Door Schedule' show apartment entrance doors? Please note that an "external door" between the modelled dwelling and a shared space, such as an enclosed corridor or foyer, should not be included in the assessment (because it overstates the possible ventilation) and would invalidate the Certificate.					
Exposure*					
Has the appropriate exposure type (terrain) (shown on page 1) been applied? For example, it is unlikely that a ground-floor apartment is "exposed" or a top floor high-rise apartment is "protected".					
Heating and cooling load limits*					
Do the load limits settings (shown on page 1) match what is shown					

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7.4 Star Rating as of 06 Mar 2025

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	Approva	al Stage	Construction Stage			
Certificate check	lecked	thority/ ecked	ked	thority ecked	Other	
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	RS asse	ssment)		
Thermal bridging						
Does the dwelling meet the NCC requirement for thermal bridging?						
Insulation installation method						
Has the insulation been installed according to the NCC requirements?						
Building sealing						
Does the dwelling meet the NCC requirements for Building Sealing?						
Whole of Home performance check (not applicable if a Whole of Home performance assessment is not conducted)						
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 assessment)						
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	ō	ō	0			
Note: This Certificate only covers the energy efficiency requirements in the NCC. Add but are not limited to: condensation, structural and fire safety requirements and any st						

Additional notes

requirements.

Where not noted on plans, default selections to floor coverings and external colours have been used in this assessment,

as noted in the NatHERS Technical Notes. Alternative selections past this point can be made to floor coverings and

external colours, without requiring an amended certificate



Room schedule

Room	Zone Type	Area [m ²]
Garage 1	Garage	36.63
Theatre	Living	23.12
Entry	Daytime	24.91
Bedroom 1	Bedroom	20.21
Wir	Nighttime	2.83
Wir	Nighttime	2.45
Ens	Nighttime	5.58
Bedroom 2	Bedroom	13.73
Bath	Unconditioned	9.14
Butlers	Daytime	5.04
Kitchen/Living1	Kitchen/Living	63.69
Ldry	Unconditioned	5.38
Bedroom 3	Bedroom	13.54

Window and glazed door type and performance

Default windows*

Window ID	Window	Maximum	SHGC*	Substitution tolerance ranges			
	Description	U-value*	3160	SHGC lower limit	SHGC upper limit		
No Data Available							

Custom windows*

Window ID	Window	Maximum SHGC		Substitution to	lerance ranges
	Description	U-value*	3660	SHGC lower limit	SHGC upper limit
DOW-001-003	Aluminium Sliding Window SG 4EA	4.5	0.62	0.59	0.66
DOW-001-001	Aluminium Sliding Window SG 3Clr	6.4	0.75	0.71	0.79
DOW-006-006	Aluminium Sliding Door SG 4EA	4.3	0.61	0.58	0.64
DOW-006-001	Aluminium Sliding Door SG 5Clr	6.2	0.71	0.67	0.75

HOUSE

Window and glazed door schedule

Location	Window ID	Window no.	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device*
Theatre	DOW-001-003-001	W19	1800	1210	Sliding	30	Ν	No
Theatre	DOW-001-003-001	W20	1800	1210	Sliding	30	Ν	No
Bedroom 1	DOW-001-003-001	W32	1800	850	Sliding	30	Ν	No
Bedroom 1	DOW-001-003-001	W33	1800	850	Sliding	30	Ν	No
Wir	DOW-001-003-001	W31	1800	610	Sliding	30	Ν	No
Ens	DOW-001-001-001	W30	857	610	Sliding	45	W	No
Bedroom 2	DOW-001-003-001	W29	1200	1810	Sliding	45	W	No
Bath	DOW-001-001-001	W28	1200	1810	Sliding	45	W	No
Kitchen/Living1	DOW-001-003-001	W21	2400	850	Sliding	30	E	No
Kitchen/Living1	DOW-001-003-001	W22	2400	850	Sliding	30	E	No
Kitchen/Living1	DOW-006-006-001	W23	2400	2410	Sliding	45	E	No
Kitchen/Living1	DOW-001-003-001	W24	1457	3010	Sliding	45	S	No
Kitchen/Living1	DOW-001-003-001	W25	2400	1450	Sliding	30	S	No
Ldry	DOW-006-001-001	W26	2400	1450	Sliding	45	S	No
Bedroom 3	DOW-001-003-001	W27	1200	1810	Sliding	45	W	No

Roof window* type and performance value

Default roof windows*

Window ID	Window	Maximum	SHGC*	Substitution to	lerance ranges	
window ID	Description	U-value*	SHGC	SHGC lower limit	SHGC upper limit	
No Data Availa	able					
Custom roof w	/indows*					
Window ID	Window	indow Maximum		Substitution tolerance ranges		
	Description	U-value*	SHGC*	SHGC lower limit	SHGC upper limit	

Roof window* schedule

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



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]	Outdoor shade	Diffuser
No Data Avail	able					

External door schedule

Location	Height [mm]	Width [mm]	Opening %	Orientation
Garage 1	2400	2400	90	S
Garage 1	2400	4900	90	Ν
Entry	2388	1260	90	Ν

External wall type

Wall Wall ID type	Solar Wall shad absorptance [colour]	e Bulk insulation [R-value]	Reflective wall wrap*
EW-1 Single Skin Brick	0.50	No insulation	No
EW-2 Timber Stud Frame Brick Veneer	0.50	Anti-glare foil with bulk no gap R2.5	No
EW-3 Fibro Timber Stud Frame Panel Direct F	ix 0.50	Anti-glare foil with bulk no gap R2.5	No

External wall schedule

Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature [yes/no]
Garage 1	EW-1	2775	3200	S	600	No
Garage 1	EW-1	2775	6095	Ν	600	No
Garage 1	EW-1	2775	6100	E	600	No
Theatre	EW-2	2700	700	W	8500	No
Theatre	EW-2	2700	3900	Ν	600	No
Entry	EW-2	2700	1990	Ν	3600	No
Bedroom 1	EW-2	2700	4195	Ν	2100	No
Bedroom 1	EW-3	2700	1500	E	12600	No
Wir	EW-2	2700	1495	W	600	No

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Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature [yes/no]
Wir	EW-3	2700	1695	Ν	600	No
Ens	EW-2	2700	3390	W	600	No
Bedroom 2	EW-2	2700	3490	W	600	No
Bath	EW-2	2700	2690	W	600	No
Kitchen/Living1	EW-2	2700	5095	E	600	No
Kitchen/Living1	EW-2	2700	1800	S	4000	No
Kitchen/Living1	EW-2	2700	3400	E	3900	No
Kitchen/Living1	EW-2	2700	6995	S	600	No
Ldry	EW-2	2700	2690	S	600	No
Bedroom 3	EW-2	2700	3195	S	600	No
Bedroom 3	EW-2	2700	4295	W	600	No

Internal wall type

Wall ID	Wall type	Area [m ²]	Bulk insulation
IW-001	Timber Stud Frame, Direct Fix Plasterboard	16.47	Bulk Insulation, No Air Gap R2.5
IW-002	Timber Stud Frame, Direct Fix Plasterboard	167.40	No insulation

Floor type

Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Garage 1	Waffle pod slab 175 mm 100mm	36.57	None	Waffle Pod 225mm	Bare
Theatre	Waffle pod slab 225 mm 100mm	23.12	None	Waffle Pod 225mm	Carpet+Rubber Underlay 18mm
Entry	Waffle pod slab 225 mm 100mm	24.91	None	Waffle Pod 225mm	Ceramic Tiles 8mm
Bedroom 1	Waffle pod slab 225 mm 100mm	20.21	None	Waffle Pod 225mm	Carpet+Rubber Underlay 18mm
Wir	Waffle pod slab 225 mm 100mm	2.83	None	Waffle Pod 225mm	Carpet+Rubber Underlay 18mm
Wir	Waffle pod slab 225 mm 100mm	2.45	None	Waffle Pod 225mm	Carpet+Rubber Underlay 18mm
Ens	Waffle pod slab 225 mm 100mm	5.58	None	Waffle Pod 225mm	Ceramic Tiles 8mm
Bedroom 2	Waffle pod slab 225 mm 100mm	13.73	None	Waffle Pod 225mm	Carpet+Rubber Underlay 18mm

0011765633 NatHERS Certificate

7.4 Star Rating as of 06 Mar 2025



Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Bath	Waffle pod slab 225 mm 100mm	9.14	None	Waffle Pod 225mm	Ceramic Tiles 8mm
Butlers	Waffle pod slab 225 mm 100mm	5.04	None	Waffle Pod 225mm	Ceramic Tiles 8mm
Kitchen/Living1	Waffle pod slab 225 mm 100mm	63.69	None	Waffle Pod 225mm	Ceramic Tiles 8mm
Ldry	Waffle pod slab 225 mm 100mm	5.38	None	Waffle Pod 225mm	Ceramic Tiles 8mm
Bedroom 3	Waffle pod slab 225 mm 100mm	13.54	None	Waffle Pod 225mm	Carpet+Rubber Underlay 18mm

Ceiling type

Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap* [yes/no]
Plasterboard on Timber	No insulation	
Plasterboard on Timber	Bulk Insulation R6	
Plasterboard on Timber	Bulk Insulation R3	
Plasterboard on Timber	Bulk Insulation R6	
Plasterboard on Timber	Bulk Insulation R6	
Plasterboard on Timber	Bulk Insulation R3	
Plasterboard on Timber	Bulk Insulation R6	
Plasterboard on Timber	Bulk Insulation R6	
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Plasterboard on Timber	Bulk Insulation R3	
Plasterboard on Timber	Bulk Insulation R3	
Plasterboard on Timber	Bulk Insulation R6	
Plasterboard on Timber	Bulk Insulation R3	
	material/typePlasterboard on TimberPlasterboard on Timber	material/type(may include edge batt values)Plasterboard on TimberNo insulationPlasterboard on TimberBulk Insulation R6Plasterboard on TimberBulk Insulation R3Plasterboard on TimberBulk Insulation R6Plasterboard on Timber

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Location	Construction material/type		Bulk insulation R-value (may include edge batt v	alues)	 Reflective wrap* [yes/no]	
Bedroom 3	Plasterboard or	n Timber	Bulk Insulation R6			
Bedroom 3	Plasterboard or	n Timber	Bulk Insulation R3			

Ceiling penetrations*

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

Ceiling fans

Location	Quantity	Diameter [mm]
Bedroom 1	1	1200
Bedroom 2	1	1200
Bedroom 3	1	1200

Roof type

Construction	Added insulation	Solar	Roof shade
	[R-value]	absorptance	[colour]
Corrugated Iron Timber Frame	Bulk, Reflective Side Down, No Air Gap Above R1.3	0.50	Medium

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.

Cooling system

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

Appliance/ system type	Lo	cation F	uel type	eff	nimum iciency/ ormance		mended acity
No Data Available							
Hot water system							
Appliance/ system type	Fuel type	Hot Water CER Zone	Minimum efficiency /STC	Zone 3 STC		bstitution e ranges upper limit	Assesse daily loa [litres]
No Data Available							
Pool/spa equipment							
Appliance/ system type	Fuel type		Minimum efficiency/ performance		Recommended capacity		
No Data Available							

System Type	Orientation	System Size Or Generation Capacity
No Data Available		

Battery Schedule

System Type	Size [Battery Storage Capacity]
No Data Available	



Explanatory notes

About this report

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

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

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

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

Accredited assessors

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

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

are not quality assured.

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

Disclaimer

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

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

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

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

Glossary

AFRC Australian Fenestration Rating Council Annual energy load the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions. Assessed floor area the floor area modelled in the software for the purpose of the NatHERS assessment. Note, this may not be consiste floor area in the design documents. Ceiling penetrations features that require a penetration to the ceiling, including downlights, vents, exhaust fans, range hoods, chimneys a Excludes fixtures attached to the ceiling with small holes through the ceiling for wiring, e.g. ceiling fans; pendant ligh heating and cooling ducts. COP Coefficient of performance Custom windows windows listed in NatHERS software that are available on the market in Australia and have a WERS (Window Energy Scheme) rating. Default windows windows that are representative of a specific type of window product and whose properties have been derived by st methods. EER 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 defined in the ABCB Housing Provisions Standard).	and flues. its, and In some gy Rating atistical
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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	ctricity
Energy value The net cost to society including, but not limited to, costs to the building user, the environment and energy networks	
Energy value The net cost to society including, but not limited to, costs to the building user, the environment and energy networks defined in the ABCB Housing Provisions Standard)	
	(as
Entrance door these signify ventilation benefits in the modelling software and must not be modelled as a door when opening to a modelled orridor in a Class 2 building.	inimally
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 fl	
Exposure category – open terrain with few obstructions at a similar height e.g. grasslands with few well scattered obstructions below 10m, farm scattered sheds, lightly vegetated bush blocks, elevated units (e.g. above 3 floors).	land with
Exposure category – protected terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland a	reas.
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 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 N Class 1, 2 or 4 buildings and attached Class 10a buildings. Definitions can be found at www.abcb.gov.au.	CC
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 docu a provisional value of 'medium' must be modelled. Acceptable provisional values are outlined in the NatHERS Techr and can be found at www.nathers.gov.au	mentation, ical Note
Recommended capacity this is the capacity or size of equipment that is recommended by NatHERS to achieve the desired comfort condition zone or zones serviced. This is a recommendation and the final selection sizing should be confirmed by a suitably q person.	s in the ualified
Reflective wrap (also known as foil) can be applied to walls, roofs and ceilings. When combined with an appropriate airgap and emissivity value, it provide insulative properties.	les
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 space, and generally does not have a diffuser.	is an attic
Shading features includes neighbouring buildings, fences, and wing walls, but excludes eaves.	
Skylight (also known as roof lights) for NatHERS this is typically a moulded unit with flexible reflective tubing (light well) and a diffuser at ceiling level.	
Solar heat gain coefficient (SHGC) the fraction of incident solar radiation admitted through a window, both directly transmitted as well as absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the heat it transmits.	less solar
STCs Small-scale Technology Certificates, certificates created by the REC registry for renewable energy technologies that bought and sold as part of the Small-scale Renewable Energy Scheme operated by the Clean Energy Regulator (C	ER) ^r
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 but is not limited to, materials such as timber battens greater than or equal to 20mm thick or continuous thermal bre as polystyrene insulation sheeting or plastic strips	s includes, aks such
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 assumption	ons.
Vertical shading features provides shading to the building in the vertical plane and can be parallel or perpendicular to the subject wall/window privacy screens, other walls in the building (wing walls), fences, other buildings, vegetation (protected or listed herita	Includes age trees).
Window shading device device fixed to windows that provides shading e.g. window awnings or screens but excludes horizontal* or vertical s features* (eg eaves and balconies)	hading