

Nationwide House Energy Rating Scheme

NatHERS Certificate No. 0005151964

Generated on 28 Aug 2020 using BERS Pro v4.4.0.1 (3.21)

Property

Address 34 Myola Road , C , NSW , 2106
Lot/DP 17229
NCC Class* 1A
Type New Dwelling

Plans

Main Plan CC165
Prepared by Classic Building Design

Construction and environment

Assessed floor area (m²)*	Exposure Type
Conditioned* 213.0	Suburban
Unconditioned* 54.0	NatHERS climate zone
Total 266.0	56
Garage 39.0	



Accredited assessor

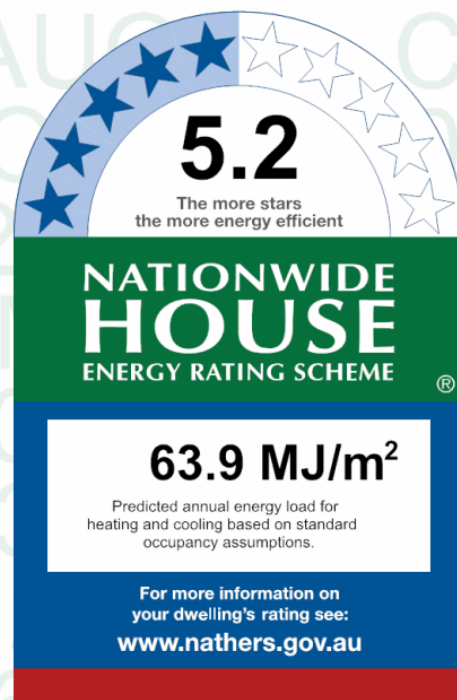
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Assessor Accrediting Organisation Design Matters National
Declaration of interest Declaration completed: no conflicts

National Construction Code (NCC) requirements

The NCC's requirements for NatHERS-rated houses are detailed in 3.12.0(a)(i) and 3.12.5 of the NCC Volume Two. For apartments the requirements are detailed in J0.2 and J5 to J8 of the NCC Volume One.

In NCC 2019, these requirements include minimum star ratings and separate heating and cooling load limits that need to be met by buildings and apartments through the NatHERS assessment. Requirements additional to the NatHERS assessment that must also be satisfied include, but are not limited to: insulation installation methods, thermal breaks, building sealing, water heating and pumping, and artificial lighting requirements. The NCC and NatHERS Heating and Cooling Load Limits (Australian Building Codes Board Standard) are available at www.abcb.gov.au.

State and territory variations and additions to the NCC may also apply.



Thermal performance

Heating	Cooling
47.5	16.4
MJ/m²	MJ/m²

About the rating

NatHERS software models the expected thermal energy loads using information about the design and construction, climate and common patterns of household use. The software does not take into account appliances, apart from the airflow impacts from ceiling fans.

Verification

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



Certificate check

Ensure the dwelling is designed and then built as per the NatHERS Certificate. While you need to check the accuracy of the whole Certificate, the following spot check covers some important items impacting the dwelling's rating.

Genuine certificate

Does this Certificate match the one available at the web address or QR code in the verification box on the front page? Does the set of NatHERS-stamped plans for the dwelling have a Certificate number on the stamp that matches this Certificate?

Ceiling penetrations*

Does the 'number' and 'type' of ceiling penetrations (e.g. downlights, exhaust fans, etc) shown on the stamped plans or installed, match what is shown in this Certificate?

Windows

Does the installed window meet the substitution tolerances (SHGC and U-value) and window type, of the window shown on this Certificate?

Apartment entrance doors

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 level (terrain) been applied? For example, it is unlikely that a ground-floor apartment is "exposed" or a top floor high-rise apartment is "protected".

Provisional* values

Have provisional values been used in the assessment and, if so, noted in "additional notes" below?

Additional notes

Window and glazed door *type and performance*

Default* windows

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

Custom* windows

Window ID	Window Description	Maximum U-value*	SHGC*	Substitution tolerance ranges	
				SHGC lower limit	SHGC upper limit
VAN-004-01 A	VAN-004-01 A SERIES 525 LOUVRE WINDOW SG 6Clr	6.1	0.64	0.64	0.64
BRD-063-01 A	BRD-063-01 A SIG Fixed Lite (67mm) SG 4Clr	6.0	0.78	0.78	0.78
BRD-033-01 A	BRD-033-01 A ESS Sliding Door (80mm) SG 4Clr	6.2	0.74	0.74	0.74
BRD-024-01 A	BRD-024-01 A ESS Double Hung Window (52mm) SG 3Clr	6.3	0.75	0.75	0.75

Custom* windows

Window ID	Window Description	Maximum U-value*	SHGC*	Substitution tolerance ranges	
				SHGC lower limit	SHGC upper limit
BRD-112-01 A	BRD-112-01 A ESS Awning 52 SG 4mmClr	6.5	0.67	0.67	0.67
BRD-006-01 A	BRD-006-01 A SIG Bi Fold Door (100mm) SG 4Clr	6.1	0.61	0.61	0.61
BRD-001-01 A	BRD-001-01 A ESS Sliding Window (52mm) SG 3Clr	6.4	0.76	0.76	0.76

Window and glazed door *schedule*

Location	Window ID	Window no.	Height (mm)	Width (mm)	Window type	Opening %	Orientation	Window shading device*
LOUNGE DINE KIT	VAN-004-01 A	n/a	914	1500	n/a	90	N	No
LOUNGE DINE KIT	VAN-004-01 A	n/a	914	1500	n/a	90	N	No
LOUNGE DINE KIT	VAN-004-01 A	n/a	1754	500	n/a	90	S	No
LOUNGE DINE KIT	VAN-004-01 A	n/a	1754	500	n/a	90	S	No
LOUNGE DINE KIT	BRD-063-01 A	n/a	650	2400	n/a	00	S	No
LOUNGE DINE KIT	BRD-033-01 A	n/a	2100	2800	n/a	60	W	No
LOUNGE DINE KIT	BRD-063-01 A	n/a	688	2800	n/a	00	W	No
LOUNGE DINE KIT	BRD-033-01 A	n/a	2100	2800	n/a	60	W	No
LOUNGE DINE KIT	BRD-063-01 A	n/a	688	2800	n/a	00	W	No
BUTLERS PANTRY	BRD-024-01 A	n/a	1000	800	n/a	45	S	No
STUDY	VAN-004-01 A	n/a	1474	600	n/a	90	N	No
WC LAUNDRY	BRD-112-01 A	n/a	1100	600	n/a	90	N	No
WC LAUNDRY	BRD-006-01 A	n/a	2107	806	n/a	90	N	No
MEDIA	BRD-001-01 A	n/a	600	1800	n/a	45	S	No
GUEST ENSUITE	VAN-004-01 A	n/a	1194	600	n/a	90	S	No
GUEST	BRD-024-01 A	n/a	1500	2400	n/a	30	E	No
GUEST	BRD-024-01 A	n/a	1200	600	n/a	45	S	No
GARAGE	BRD-001-01 A	n/a	600	1800	n/a	45	N	No
LIVING	VAN-004-01 A	n/a	2100	900	n/a	90	N	No
LIVING	VAN-004-01 A	n/a	1474	2400	n/a	64	N	No
LIVING	BRD-001-01 A	n/a	800	1500	n/a	45	W	No
ENSUITE	VAN-004-01 A	n/a	1054	600	n/a	90	N	No
BED 1	VAN-004-01 A	n/a	774	2100	n/a	62	N	No
BED 1	BRD-006-01 A	n/a	2100	1734	n/a	90	E	No
BED 1	VAN-004-01 A	n/a	2100	413	n/a	90	E	No
BED 1	VAN-004-01 A	n/a	2100	413	n/a	90	E	No
BED 3	VAN-004-01 A	n/a	634	2100	n/a	63	S	No
BED 3	VAN-004-01 A	n/a	774	1500	n/a	90	W	No

Location	Window ID	Window no.	Height (mm)	Width (mm)	Window type	Opening %	Orientation	Window shading device*
UF BATH	VAN-004-01 A	n/a	914	1200	n/a	90	S	No
BED 2	BRD-024-01 A	n/a	1200	450	n/a	45	N	No
BED 2	BRD-024-01 A	n/a	1200	2100	n/a	30	E	No
BED 2	BRD-024-01 A	n/a	1200	450	n/a	45	S	No
BED 2	BRD-024-01 A	n/a	1200	600	n/a	45	S	No

Roof window type and performance

Default* roof windows

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

Custom* roof windows

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

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
GEN-04-006a	Single-glazed clear, Timber and Aluminium Frame

Skylight schedule

Location	Skylight ID	Skylight No.	Skylight shaft length (mm)	Area (m ²)	Orientation	Outdoor shade	Diffuser	Skylight shaft reflectance
LOUNGE DINE KIT	GEN-04-006a	n/a	240	0.60	N	None	No	0.50
LOUNGE DINE KIT	GEN-04-006a	n/a	240	0.60	S	None	No	0.50

External door schedule

Location	Height (mm)	Width (mm)	Opening %	Orientation
ENTRY HALL	2040	1200	90	E
GARAGE	2350	4855	90	E

External wall type

Wall ID	Wall type	Solar absorptance	Wall shade (colour)	Bulk insulation (R-value)	Reflective wall wrap*
EW-1	Fibro Cavity Panel Direct Fix	0.50	Medium	Anti-glare foil with bulk no gap R2	Yes
EW-2	Fibro Cavity Panel Direct Fix	0.50	Medium	No insulation	No

External wall schedule

Location	Wall ID	Height (mm)	Width (mm)	Orientation	Horizontal shading feature* maximum projection (mm)	Vertical shading feature (yes/no)
LOUNGE DINE KIT	EW-1	2400	5300	N	600	YES
LOUNGE DINE KIT	EW-1	2450	600	W	9900	YES
LOUNGE DINE KIT	EW-1	2450	1095	N	100	NO
LOUNGE DINE KIT	EW-1	2400	900	E	100	YES
LOUNGE DINE KIT	EW-1	2400	7200	S	600	NO
LOUNGE DINE KIT	EW-1	3235	4600	W	2600	NO
LOUNGE DINE KIT	EW-1	4065	2000	N	5200	YES
LOUNGE DINE KIT	EW-1	3235	4600	W	4600	YES
BUTLERS PANTRY	EW-1	2400	1790	S	100	YES
STUDY	EW-1	2450	1195	N	100	YES
STUDY	EW-1	2450	600	W	100	YES
STUDY	EW-1	2450	895	N	100	NO
WC LAUNDRY	EW-1	2450	1790	N	100	YES
MEDIA	EW-1	2450	2995	S	100	YES
GUEST ENSUITE	EW-1	2450	2095	S	200	NO
GUEST ENSUITE	EW-1	2450	1295	W	100	YES
GUEST	EW-1	2450	700	N	7900	YES
GUEST	EW-1	2450	4100	E	1700	NO
GUEST	EW-1	2450	3495	S	200	NO
ENTRY HALL	EW-1	2450	1390	E	2400	YES
GARAGE	EW-2	2990	600	W	100	YES
GARAGE	EW-2	2990	6800	N	600	NO
GARAGE	EW-2	2990	5900	E	100	NO
GARAGE	EW-2	2990	2200	S	5700	YES
LIVING	EW-1	2400	2300	N	600	YES
LIVING	EW-1	2400	600	W	2900	YES
LIVING	EW-1	2400	3595	N	600	NO
LIVING	EW-1	2400	3295	W	600	NO
ENSUITE	EW-1	2400	2290	N	600	NO
BED 1	EW-1	2400	3595	N	600	NO
BED 1	EW-1	2400	4700	E	1500	NO

Location	Wall ID	Height (mm)	Width (mm)	Orientation	Horizontal shading feature* maximum projection (mm)	Vertical shading feature (yes/no)
BED 1	EW-1	2400	1500	S	600	YES
BED 1	EW-1	2400	1095	E	2100	YES
BED 3 WIR	EW-1	2400	1890	W	600	NO
BED 3	EW-1	2400	3695	S	600	NO
BED 3	EW-1	2400	3695	W	600	NO
UF BATH	EW-1	2400	2390	S	600	NO
BED 2	EW-1	2400	795	E	600	YES
BED 2	EW-1	2400	600	N	7200	YES
BED 2	EW-1	2400	2200	E	300	NO
BED 2	EW-1	2400	600	S	1300	YES
BED 2	EW-1	2400	700	E	600	YES
BED 2	EW-1	2400	4195	S	600	NO

Internal wall type

Wall ID	Wall type	Area (m ²)	Bulk insulation
IW-1 - Cavity wall, direct fix plasterboard, single gap		167.00	No insulation
IW-2 - Cavity wall, direct fix plasterboard, single gap		39.00	Bulk Insulation, No Air Gap R2

Floor type

Location	Construction	Area (m ²)	Sub-floor ventilation	Added insulation (R-value)	Covering
LOUNGE DINE KIT	Suspended Timber Floor 19mm	64.90	Totally Open	Bulk Insulation in Contact with Floor R2.1	80/20 Cork/Carpet 10mm
BUTLERS PANTRY	Suspended Timber Floor 19mm	5.20	Totally Open	Bulk Insulation in Contact with Floor R2.1	Ceramic Tiles 8mm
STUDY	Suspended Timber Floor 19mm	7.70	Totally Open	Bulk Insulation in Contact with Floor R2.1	Carpet+Rubber Underlay 18mm
WC LAUNDRY	Suspended Timber Floor 19mm	7.30	Totally Open	Bulk Insulation in Contact with Floor R2.1	Ceramic Tiles 8mm
MEDIA	Suspended Timber Floor 19mm	13.20	Totally Open	Bulk Insulation in Contact with Floor R2.1	Carpet+Rubber Underlay 18mm
GUEST ENSUITE	Suspended Timber Floor 19mm	5.10	Totally Open	Bulk Insulation in Contact with Floor R2.1	Ceramic Tiles 8mm
GUEST	Suspended Timber Floor 19mm	14.00	Totally Open	Bulk Insulation in Contact with Floor R2.1	Carpet+Rubber Underlay 18mm
ENTRY HALL	Suspended Timber Floor 19mm	12.50	Totally Open	Bulk Insulation in Contact with Floor R2.1	Cork Tiles or Parquetry 8mm
GARAGE	Concrete Slab on Ground 100mm	38.50	None	No Insulation	Bare
LIVING/LOUNGE DINE KIT	Timber Above Plasterboard 19mm	3.50		No Insulation	Carpet+Rubber Underlay 18mm
LIVING/STUDY	Timber Above Plasterboard 19mm	7.60		No Insulation	Carpet+Rubber Underlay 18mm
LIVING/WC LAUNDRY	Timber Above Plasterboard 19mm	7.50		No Insulation	Carpet+Rubber Underlay 18mm
LIVING/MEDIA	Timber Above Plasterboard 19mm	0.60		No Insulation	Carpet+Rubber Underlay 18mm

Location	Construction	Area (m ²)	Sub-floor ventilation	Added insulation (R-value)	Covering
LIVING/ENTRY HALL	Timber Above Plasterboard 19mm	6.60		No Insulation	Carpet+Rubber Underlay 18mm
LIVING/GARAGE	Timber Above Plasterboard 19mm	5.10		Bulk Insulation R2	Carpet+Rubber Underlay 18mm
ENSUITE/GARAGE	Timber Above Plasterboard 19mm	5.00		Bulk Insulation R2	Ceramic Tiles 8mm
BED 1 WIR/GARAGE	Timber Above Plasterboard 19mm	4.80		Bulk Insulation R2	Carpet+Rubber Underlay 18mm
BED 1/ENTRY HALL	Timber Above Plasterboard 19mm	0.70		No Insulation	Carpet+Rubber Underlay 18mm
BED 1/GARAGE	Timber Above Plasterboard 19mm	17.80		Bulk Insulation R2	Carpet+Rubber Underlay 18mm
BED 3 WIR/LOUNGE DINE KIT	Timber Above Plasterboard 19mm	2.90		No Insulation	Carpet+Rubber Underlay 18mm
BED 3 WIR/ENTRY HALL	Timber Above Plasterboard 19mm	0.80		No Insulation	Carpet+Rubber Underlay 18mm
BED 3/LOUNGE DINE KIT	Timber Above Plasterboard 19mm	1.00		No Insulation	Carpet+Rubber Underlay 18mm
BED 3/BUTLERS PANTRY	Timber Above Plasterboard 19mm	5.10		No Insulation	Carpet+Rubber Underlay 18mm
BED 3/MEDIA	Timber Above Plasterboard 19mm	7.20		No Insulation	Carpet+Rubber Underlay 18mm
UF BATH/MEDIA	Timber Above Plasterboard 19mm	5.30		No Insulation	Ceramic Tiles 8mm
UF BATH/GUEST ENSUITE	Timber Above Plasterboard 19mm	1.20		No Insulation	Ceramic Tiles 8mm
UF BATH/ENTRY HALL	Timber Above Plasterboard 19mm	1.20		No Insulation	Ceramic Tiles 8mm
BED 2/GUEST ENSUITE	Timber Above Plasterboard 19mm	1.40		No Insulation	Carpet+Rubber Underlay 18mm
BED 2/GUEST	Timber Above Plasterboard 19mm	9.60		No Insulation	Carpet+Rubber Underlay 18mm
BED 2/ENTRY HALL	Timber Above Plasterboard 19mm	3.60		No Insulation	Carpet+Rubber Underlay 18mm
BED 2	Suspended Timber Floor 19mm	1.90	Totally Open	Bulk Insulation, Gap to Floor R2.1	Carpet+Rubber Underlay 18mm

Ceiling type

Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap*
LOUNGE DINE KIT	Timber Above Plasterboard	No Insulation	No
BUTLERS PANTRY	Timber Above Plasterboard	No Insulation	No
STUDY	Timber Above Plasterboard	No Insulation	No
WC LAUNDRY	Timber Above Plasterboard	No Insulation	No
MEDIA	Timber Above Plasterboard	No Insulation	No
GUEST ENSUITE	Plasterboard	Bulk Insulation R4	No
GUEST ENSUITE	Timber Above Plasterboard	No Insulation	No
GUEST	Plasterboard	Bulk Insulation R4	No
GUEST	Timber Above Plasterboard	No Insulation	No
ENTRY HALL	Timber Above Plasterboard	No Insulation	No
GARAGE	Plasterboard	No insulation	No
GARAGE	Timber Above Plasterboard	Bulk Insulation R2	No

Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap*
LIVING	Plasterboard	Bulk Insulation R4	No
ENSUITE	Plasterboard	Bulk Insulation R4	No
BED 1 WIR	Plasterboard	Bulk Insulation R4	No
BED 1	Plasterboard	Bulk Insulation R4	No
BED 3 WIR	Plasterboard	Bulk Insulation R4	No
BED 3	Plasterboard	Bulk Insulation R4	No
UF BATH	Plasterboard	Bulk Insulation R4	No
BED 2	Plasterboard	Bulk Insulation R4	No

Ceiling penetrations*

Location	Quantity	Type	Diameter (mm ²)	Sealed/unsealed
WC LAUNDRY	1	Exhaust Fans	300	Sealed
GUEST ENSUITE	1	Exhaust Fans	300	Sealed
ENSUITE	1	Exhaust Fans	300	Sealed
UF BATH	1	Exhaust Fans	300	Sealed

Ceiling fans

Location	Quantity	Diameter (mm)
No Data Available		

Roof type

Construction	Added insulation (R-value)	Solar absorptance	Roof shade
Corrugated Iron	Bulk, Reflective Side Down, No Air Gap Above R1.3	0.50	Medium

Explanatory notes

About this report

A NatHERS rating is a comprehensive, dynamic computer modelling evaluation of a home, using the floorplans, elevations and specifications to estimate an energy load. It addresses the building layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings), but does not cover the water or energy use of appliances or energy production of solar panels.

Ratings are based on a unique climate zone where the home is located and are generated using standard assumptions, including occupancy patterns and thermostat settings. The actual energy consumption of a home may vary significantly from the predicted energy load, as the assumptions used in the rating will not match actual usage patterns. For example, the number of occupants and personal heating or cooling preferences will vary.

While the figures are an indicative guide to energy use, they can be used as a reliable guide for comparing different dwelling designs and to demonstrate that the design meets the energy efficiency requirements in the National Construction Code. Homes that are energy efficient use less energy, are warmer on cool days, cooler on hot days and cost less to run. The higher the star rating the more thermally efficient the dwelling is.

Accredited assessors

To ensure the NatHERS Certificate is of a high quality, always use an accredited or licenced assessor. NatHERS accredited assessors are members of a professional body called an Assessor Accrediting Organisation (AAO).

Australian Capital Territory (ACT) licensed assessors may only produce assessments for regulatory purposes using software for which they have a licence endorsement. Licence endorsements can be confirmed on the ACT licensing register

AAOs have specific quality assurance processes in place, and continuing professional development requirements, to maintain a high and consistent standard of assessments across the country. Non-accredited assessors do not have this level of quality assurance or any ongoing training requirements.

Any questions or concerns about this report should be directed to the assessor in the first instance. If the assessor is unable to address these questions or concerns, the AAO specified on the front of this certificate should be contacted.

Disclaimer

The format of the NatHERS Certificate was developed by the NatHERS Administrator. However the content of each individual certificate is entered and created by the assessor to create a NatHERS Certificate. It is the responsibility of the assessor who prepared this certificate to use NatHERS accredited software correctly and follow the NatHERS Technical Notes to produce a NatHERS Certificate.

The predicted annual energy load in this NatHERS Certificate is an estimate based on an assessment of the building by the assessor. It is not a prediction of actual energy use, but may be used to compare how other buildings 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, indoor air temperature and local climate.

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

Glossary

Annual energy load	the predicted amount of energy required for heating and cooling, based on standard occupancy assumptions.
Assessed floor area	the floor area 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, rangehoods, 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.
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.
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 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 – suburban	terrain with numerous, closely spaced obstructions below 10m e.g. suburban housing, heavily vegetated bushland areas.
Exposure category – protected	terrain with numerous, closely spaced obstructions over 10m 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 .
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
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 device	a device fixed to windows that provides shading e.g. window awnings or screens but excludes eaves.
Shading features	includes neighbouring buildings, fences, and wing walls, but excludes eaves.
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.
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.
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).