

Nationwide House Energy Rating Scheme

NatHERS Certificate No. 0007435654-01

Generated on 12 Apr 2022 using BERS Pro v4.4.1.5 (3.21)

Property

Address Ferguson Street , Forestville , NSW ,
2087

Lot/DP 14/24733

NCC Class* 1A

Type New Dwelling

Plans

Main Plan 0026442

Prepared by Eden Brae Homes - LB

Construction and environment

Assessed floor area (m²)*	Exposure Type
Conditioned* 274.0	Suburban
Unconditioned* 40.0	NatHERS climate zone
Total 313.0	56
Garage 32.0	



Accredited assessor

Name Daniel.Warda

Business name Energi Thermal Assessors Pty Ltd

Email daniel@energiassessments.com.au

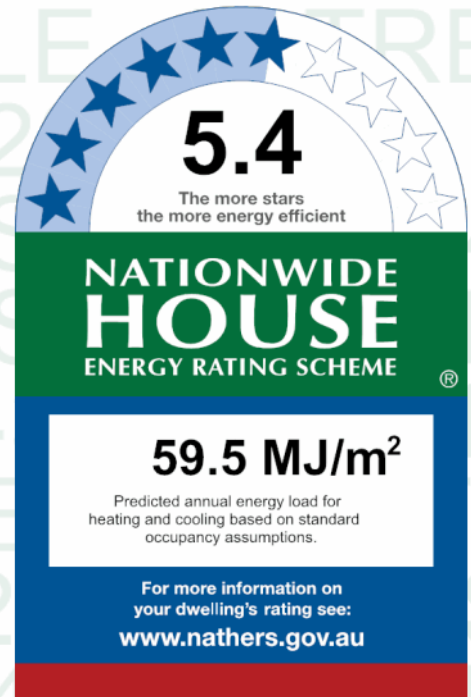
Phone 0452504125

Accreditation No. 101182

Assessor Accrediting Organisation

ABSA

Declaration of interest Declaration not completed



Thermal performance

Heating	Cooling
34.6 MJ/m ²	24.9 MJ/m ²

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=IjWkvFkPD.

When using either link, ensure you are visiting hstar.com.au



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.

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? Substituted values must be based on the Australian Fenestration Rating Council (AFRC) protocol.

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

Issue B

I have modeled the shading in accordance with NatHERS principles

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
STG-007-01 A	STG-007-01 A Aluminium Sliding Window SG 3Clr	6.3	0.73	0.69	0.77
STG-002-01 A	STG-002-01 A Aluminium Awning Window SG 3Clr	6.5	0.65	0.62	0.68
STG-005-02 A	STG-005-02 A Aluminium Sliding Door SG 5Clr	6.3	0.72	0.68	0.76

Window and glazed door *schedule*

Location	Window ID	Window no.	Height (mm)	Width (mm)	Window type	Opening %	Orientation	Window shading device*
Games/Media	STG-007-01 A	n/a	600	2400	n/a	45	NE	No
Kitchen/Living/	STG-002-01 A	n/a	2100	3200	n/a	00	NE	No
Kitchen/Living/	STG-005-02 A	n/a	2400	3800	n/a	60	SE	No
Kitchen/Living/	STG-007-01 A	n/a	1800	2400	n/a	30	NE	No
Kitchen/Living/	STG-007-01 A	n/a	1800	2600	n/a	30	SE	No
Laundry	STG-005-02 A	n/a	2100	2100	n/a	45	NW	No
Lounge	STG-002-01 A	n/a	2000	600	n/a	90	SE	No
Lounge	STG-002-01 A	n/a	2000	600	n/a	90	SE	No
Study	STG-002-01 A	n/a	1800	1000	n/a	00	SE	No
Study	STG-002-01 A	n/a	1800	600	n/a	90	SE	No
Study	STG-002-01 A	n/a	1800	2100	n/a	30	SW	No
Study	STG-002-01 A	n/a	1800	1100	n/a	00	SW	No
Entry/Hall	STG-002-01 A	n/a	1800	600	n/a	90	SW	No
Entry/Hall	STG-002-01 A	n/a	2340	600	n/a	00	SW	No
Rumpus/Sitting	STG-002-01 A	n/a	1500	600	n/a	90	SW	No
Rumpus/Sitting	STG-005-02 A	n/a	2100	1800	n/a	45	SW	No
Rumpus/Sitting	STG-002-01 A	n/a	1000	2100	n/a	30	SW	No
Bedroom 1	STG-005-02 A	n/a	2100	2100	n/a	45	SE	No
Bedroom 2	STG-007-01 A	n/a	700	1800	n/a	45	NW	No
Bedroom 3	STG-007-01 A	n/a	1200	2100	n/a	45	SE	No
Bedroom 4	STG-002-01 A	n/a	1200	1000	n/a	00	SE	No
Bedroom 4	STG-002-01 A	n/a	1200	600	n/a	90	SE	No
Bedroom 4	STG-002-01 A	n/a	1200	2100	n/a	30	SW	No
Bedroom 4	STG-002-01 A	n/a	1200	1100	n/a	00	SW	No
Ensuite4	STG-002-01 A	n/a	1200	800	n/a	90	SE	No
Ensuite3	STG-002-01 A	n/a	1200	800	n/a	90	SE	No
Ensuite	STG-007-01 A	n/a	900	600	n/a	45	NW	No
Ensuite	STG-002-01 A	n/a	1200	600	n/a	90	NW	No
Ensuite	STG-002-01 A	n/a	1800	900	n/a	00	NW	No
Ensuite	STG-002-01 A	n/a	1800	1800	n/a	00	NE	No
Ensuite2	STG-002-01 A	n/a	1200	800	n/a	90	NW	No
WIR	STG-002-01 A	n/a	1800	600	n/a	90	SE	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

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
No Data Available	

Skylight schedule

Location	Skylight ID	Skylight No.	Skylight shaft length (mm)	Area (m ²)	Orientation	Outdoor shade	Diffuser	Skylight shaft reflectance
No Data Available								

External door schedule

Location	Height (mm)	Width (mm)	Opening %	Orientation
Entry/Hall	2340	1200	90	SW
Garage	2143	4780	90	SW
Garage	2040	820	90	NE

External wall type

Wall ID	Wall type	Solar absorptance	Wall shade (colour)	Bulk insulation (R-value)	Reflective wall wrap*
EW-1	Brick Veneer	0.50	Medium	Bulk Insulation R2.5	No
EW-2	Single Skin Brick	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)
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Location	Wall ID	Height (mm)	Width (mm)	Orientation	Horizontal shading feature* maximum projection (mm)	Vertical shading feature (yes/no)
Games/Media	EW-1	2590	3895	NE	100	NO
Games/Media	EW-1	2590	5095	NW	100	NO
Kitchen/Living/	EW-1	2590	4495	NE	100	NO
Kitchen/Living/	EW-1	2590	4100	SE	3000	YES
Kitchen/Living/	EW-1	2590	2900	NE	4200	YES
Kitchen/Living/	EW-1	2590	4495	SE	100	NO
Laundry	EW-1	2590	3890	NW	100	YES
Lounge	EW-1	2590	3890	SE	100	NO
Study	EW-1	2590	2895	SE	100	NO
Study	EW-1	2590	3695	SW	2200	YES
Entry/Hall	EW-1	2590	800	SE	3800	YES
Entry/Hall	EW-1	2590	4000	SW	1400	NO
Entry/Hall	EW-1	2590	1300	NW	100	YES
Garage	EW-2	2676	5545	SW	600	YES
Garage	EW-2	2676	5900	NW	600	NO
Garage	EW-2	2676	2000	NE	600	YES
Rumpus/Sitting	EW-1	2440	800	SE	4300	YES
Rumpus/Sitting	EW-1	2440	4000	SW	1800	NO
Rumpus/Sitting	EW-1	2440	3200	NW	600	YES
Rumpus/Sitting	EW-1	2440	3600	SW	600	YES
Rumpus/Sitting	EW-1	2440	4195	NW	600	NO
Bedroom 1	EW-1	2440	2690	SE	3500	YES
Bedroom 2	EW-1	2440	3090	NW	600	NO
Bedroom 3	EW-1	2440	2900	NE	4700	YES
Bedroom 3	EW-1	2440	3795	SE	600	NO
Bedroom 4	EW-1	2440	3795	SE	600	NO
Bedroom 4	EW-1	2440	3695	SW	2600	YES
Ensuite4	EW-1	2440	1890	SE	600	NO
Ensuite3	EW-1	2440	1790	SE	600	NO
Ensuite	EW-1	2440	3895	NW	600	NO
Ensuite	EW-1	2440	2795	NE	600	NO
Ensuite2	EW-1	2440	1790	NW	600	NO
WIR	EW-1	2440	5595	NE	600	NO
WIR	EW-1	2440	1395	SE	3500	NO

Internal wall type

Wall ID	Wall type	Area (m ²)	Bulk insulation
IW-1	Cavity wall, direct fix plasterboard, single gap	258.00	No insulation

Wall ID	Wall type	Area (m)	Bulk insulation
IW-2 - Cavity wall, direct fix plasterboard, single gap		20.00	Bulk Insulation, No Air Gap R2.5
IW-3 - Brick Veneer		5.00	Bulk Insulation, No Air Gap R2.5

Floor type

Location	Construction	Area (m ²)	Sub-floor ventilation	Added insulation (R-value)	Covering
Games/Media	Waffle pod slab 300 mm 100mm	19.10	None	Waffle Pod 300mm	Carpet 10mm
Kitchen/Living/	Waffle pod slab 300 mm 100mm	53.60	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Laundry	Waffle pod slab 300 mm 100mm	7.10	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Gallery	Waffle pod slab 300 mm 100mm	6.10	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Lounge	Waffle pod slab 300 mm 100mm	13.90	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Study	Waffle pod slab 300 mm 100mm	10.40	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Entry/Hall	Waffle pod slab 300 mm 100mm	21.40	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Pantry	Waffle pod slab 300 mm 100mm	2.20	None	Waffle Pod 300mm	Ceramic Tiles 8mm
PR	Waffle pod slab 300 mm 100mm	3.90	None	Waffle Pod 300mm	Ceramic Tiles 8mm
Garage	Waffle pod slab 225 mm 100mm	32.50	None	Waffle Pod 225mm	Bare
Rumpus/Sitting/Kitchen/Living/	Timber Above Plasterboard 19mm	9.20		No Insulation	Carpet 10mm
Rumpus/Sitting/Entry/Hall	Timber Above Plasterboard 19mm	21.60		No Insulation	Carpet 10mm
Rumpus/Sitting/Pantry	Timber Above Plasterboard 19mm	2.40		No Insulation	Carpet 10mm
Rumpus/Sitting/PR	Timber Above Plasterboard 19mm	4.30		No Insulation	Carpet 10mm
Rumpus/Sitting/Garage	Timber Above Plasterboard 19mm	14.20		No Insulation	Carpet 10mm
Bedroom 1/Games/Media	Timber Above Plasterboard 19mm	1.20		No Insulation	Carpet 10mm
Bedroom 1/Kitchen/Living/	Timber Above Plasterboard 19mm	20.70		No Insulation	Carpet 10mm
Bedroom 2/Kitchen/Living/	Timber Above Plasterboard 19mm	0.90		No Insulation	Carpet 10mm
Bedroom 2/Laundry	Timber Above Plasterboard 19mm	5.60		No Insulation	Carpet 10mm
Bedroom 2/Gallery	Timber Above Plasterboard 19mm	5.10		No Insulation	Carpet 10mm
Bedroom 3/Kitchen/Living/	Timber Above Plasterboard 19mm	13.00		No Insulation	Carpet 10mm
Bedroom 4/Lounge	Timber Above Plasterboard 19mm	3.20		No Insulation	Carpet 10mm
Bedroom 4/Study	Timber Above Plasterboard 19mm	10.50		No Insulation	Carpet 10mm
WIR4/Lounge	Timber Above Plasterboard 19mm	2.20		No Insulation	Carpet 10mm
Ensuite4/Lounge	Timber Above Plasterboard 19mm	4.30		No Insulation	Ceramic Tiles 8mm
Ensuite3/Kitchen/Living/	Timber Above Plasterboard 19mm	1.60		No Insulation	Ceramic Tiles 8mm
Ensuite3/Lounge	Timber Above Plasterboard 19mm	2.50		No Insulation	Ceramic Tiles 8mm
WIR3/Kitchen/Living/	Timber Above Plasterboard 19mm	0.80		No Insulation	Carpet 10mm
WIR3/Lounge	Timber Above Plasterboard 19mm	1.30		No Insulation	Carpet 10mm
WIR2/Games/Media	Timber Above Plasterboard 19mm	1.20		No Insulation	Carpet 10mm
WIR2/Kitchen/Living/	Timber Above Plasterboard 19mm	0.50		No Insulation	Carpet 10mm
WIR2/Gallery	Timber Above Plasterboard 19mm	0.60		No Insulation	Carpet 10mm
Ensuite/Games/Media	Timber Above Plasterboard 19mm	12.10		No Insulation	Ceramic Tiles 8mm

Location	Construction	Area (m ²)	Sub-floor ventilation	Added insulation (R-value)	Covering
Ensuite2/Games/Media	Timber Above Plasterboard 19mm	2.80		No Insulation	Ceramic Tiles 8mm
Ensuite2/Laundry	Timber Above Plasterboard 19mm	1.10		No Insulation	Ceramic Tiles 8mm
WIR/Games/Media	Timber Above Plasterboard 19mm	1.50		No Insulation	Carpet 10mm
WIR/Kitchen/Living/	Timber Above Plasterboard 19mm	6.00		No Insulation	Carpet 10mm

Ceiling type

Location	Construction material/type	Bulk insulation R-value (may include edge batt values)	Reflective wrap*
Games/Media	Timber Above Plasterboard	No Insulation	No
Kitchen/Living/	Timber Above Plasterboard	No Insulation	No
Laundry	Timber Above Plasterboard	No Insulation	No
Gallery	Timber Above Plasterboard	No Insulation	No
Lounge	Timber Above Plasterboard	No Insulation	No
Study	Timber Above Plasterboard	No Insulation	No
Entry/Hall	Timber Above Plasterboard	No Insulation	No
Pantry	Timber Above Plasterboard	No Insulation	No
PR	Timber Above Plasterboard	No Insulation	No
Garage	Plasterboard	No insulation	No
Garage	Timber Above Plasterboard	No Insulation	No
Rumpus/Sitting	Plasterboard	Bulk Insulation R4	No
Bedroom 1	Plasterboard	Bulk Insulation R4	No
Bedroom 2	Plasterboard	Bulk Insulation R4	No
Bedroom 3	Plasterboard	Bulk Insulation R4	No
Bedroom 4	Plasterboard	Bulk Insulation R4	No
WIR4	Plasterboard	Bulk Insulation R4	No
Ensuite4	Plasterboard	Bulk Insulation R4	No
Ensuite3	Plasterboard	Bulk Insulation R4	No
WIR3	Plasterboard	Bulk Insulation R4	No
WIR2	Plasterboard	Bulk Insulation R4	No
Ensuite	Plasterboard	Bulk Insulation R4	No
Ensuite2	Plasterboard	Bulk Insulation R4	No
WIR	Plasterboard	Bulk Insulation R4	No

Ceiling penetrations*

Location	Quantity	Type	Diameter (mm ²)	Sealed/unsealed
Kitchen/Living/	1	Wall Vents	300	
PR	1	Exhaust Fans	300	Sealed
Ensuite4	1	Exhaust Fans	300	Sealed

Location	Quantity	Type	Diameter (mm)	Sealed/unsealed
Ensuite3	1	Exhaust Fans	300	Sealed
Ensuite	1	Exhaust Fans	300	Sealed
Ensuite2	1	Exhaust Fans	300	Sealed

Ceiling fans

Location	Quantity	Diameter (mm)
Kitchen/Living/	1	1200
Rumpus/Sitting	1	1200

Roof type

Construction	Added insulation (R-value)	Solar absorptance	Roof shade
Roof Tiles	Foil, Gap Above, Reflective Side Down, Anti-glare Up	0.85	Dark

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).