

# Nationwide House Energy Rating Scheme\* Certificate

Certificate number: 0004204319-01

Certificate Date: 27 Feb 2020

★ Star rating: 5.4



## Assessor details

Accreditation

number: **VIC/BDAV/12/1469**

Name: **Craig Crowther**

Organisation: **Insight Energy**

Email: **info@insightenergy.com.au**

Phone: **02 8188 6777**

Declaration of interest: **The Assessor has provided design advice to the Applicant**

Software: **BERS Pro v4.4.0.0 (3.21)**

AAO: **BDAV**

## Overview

### Dwelling details

Street: **Unit Flat, 1B Bulls Road**

Suburb: **BURRANEER**

State: **NSW**

Postcode: **2230**

Type: **New Dwelling**

NCC Class: **2**

NatHERS

climate zone: **56**

Lot/DP

number: **38/654748**

Exposure: **Suburban**

### Key construction and insulation materials

(see following pages for details)

Construction: **Cavity Brick**

**Concrete, Plasterboard**

**Concrete Slab on Ground**

Insulation:

**No wall insulation**

**No ceiling insulation**

**No floor insulation**

Glazing:

**ALM-002-01 A Aluminium B SG Clear**

### Net floor area (m<sup>2</sup>)

Conditioned: **37.0**

Unconditioned: **7.0**

Garage: **0.0**

TOTAL: **44.0**

### Annual thermal performance loads (MJ/m<sup>2</sup>)

Heating: **38.1**

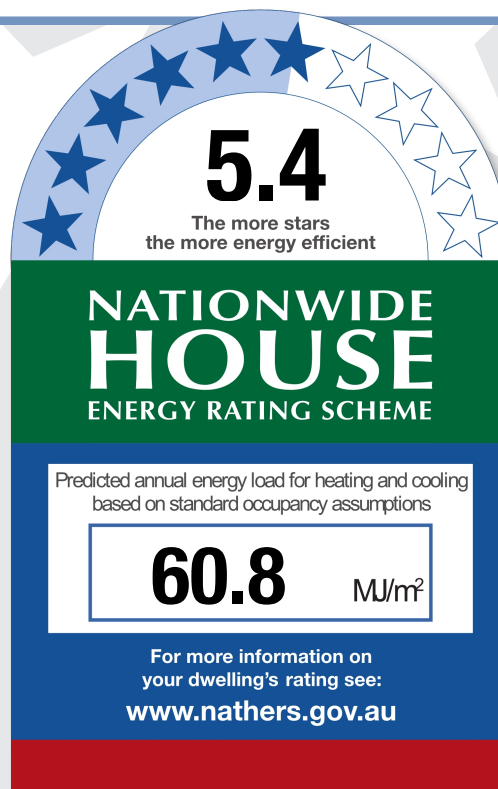
Cooling: **22.7**

TOTAL: **60.8**

### Plan documents

Plan ref/date: **Job No. 07/2019/13, Issue C**

Prepared by: **Jamisa Architects Pty Ltd, Drawn MB**



### Ceiling penetrations

(see following pages for details)

Sealed: **17**

Unsealed: **0**

TOTAL:\*\* **17**

\*\*NOTE: This total is the maximum number of ceiling penetrations allowed to a ceiling (under a roof) for this certificate. **If this number is exceeded in construction then this certificate IS NOT VALID and a new certificate is required.** Loss of ceiling insulation for the penetrations listed has been taken into account with the rating.

Principle downlight type: **LED**

### Window selection - default windows only

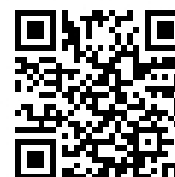
Note on allowable window values: Only a 5% tolerance to the nominated SHGC window values shown on page 2 can be used with this rating.

Note: Only a +/- 5% SHGC tolerance is allowed with this rating.

NB: This tolerance ONLY applies to SHGC, the U-value can always be lower but not higher than the values stated on page 2.

**If any of windows selected are outside the 5% tolerance then this certificate is no longer valid and the dwelling will need to be rerated to confirm compliance.**

Scan to access this certificate online and confirm this is valid.



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## Building features

### Window type and performance value

Window ID	Window type	U-value	SHGC
ALM-002-01 A	ALM-002-01 A Aluminium B SG Clear	6.7	0.70
ALM-001-01 A	ALM-001-01 A Aluminium A SG Clear	6.7	0.57

### Window schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Outdoor shade
Kitchen/Living	ALM-002-01 A	n/a	2400	1600	N	No Shading
Kitchen/Living	ALM-002-01 A	n/a	2400	700	N	No Shading
Kitchen/Living	ALM-002-01 A	n/a	2400	600	E	No Shading
Bed 5	ALM-002-01 A	n/a	2400	1600	E	No Shading
Bed 5	ALM-002-01 A	n/a	2400	600	E	No Shading
Bed 5	ALM-001-01 A	n/a	900	3000	S	No Shading
Bath Lndry	ALM-001-01 A	n/a	900	900	S	No Shading
Living	ALM-002-01 A	n/a	600	3200	N	No Shading
Living	ALM-002-01 A	n/a	2400	1800	E	No Shading

### Roof window and skylight type and performance value

ID	Window type	U-value	SHGC
None Present			

### Roof window and skylight schedule

Location	ID	Roof window/skylight no.	Area (m <sup>2</sup> )	Orientation	Outdoor shade	Indoor shade/diffuser
None Present						

### External wall type

ID	Wall type	Insulation	Wall wrap or foil
EW-1	Cavity Brick	No insulation	No

### External wall schedule

Location	ID	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
Kitchen/Living	EW-1	3495	2700	N	No	1200
Kitchen/Living	EW-1	1540	2700	E	No	1550
Kitchen/Living	EW-1	1145	1000	W	No	0
Kitchen/Living	EW-1	1145	1700	W	No	100
Bed 5	EW-1	3145	2700	E	No	1550
Bed 5	EW-1	3945	2700	S	No	100
Bath Lndry	EW-1	2645	2700	S	No	100
Bath Lndry	EW-1	3145	1000	W	No	0
Bath Lndry	EW-1	3145	1700	W	No	100
Living	EW-1	3195	2700	N	No	1200
Living	EW-1	1995	2700	E	No	1550

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### Internal wall type

Wall type	Area (m <sup>2</sup> )	Insulation	Wall wrap or foil
IW-1 - Cavity wall, direct fix plasterboard, single gap	14.0	No insulation	No
IW-2 - Single Skin Brick	30.0	No insulation	No
IW-3 - Cavity brick, plasterboard	6.0	No Insulation	No

### Floors

Location	Construction	Area (m <sup>2</sup> )	Sub floor ventilation	Added insulation	Covering
Kitchen/Living	Concrete Slab on Ground 100mm	18.9	None	No Insulation	Cork Tiles or Parquetry 8mm
Bed 5	Concrete Slab on Ground 100mm	11.6	None	No Insulation	Carpet+Rubber Underlay 18mm
Bath Lndry	Concrete Slab on Ground 100mm	7.2	None	No Insulation	Ceramic Tiles 8mm
Living	Concrete Slab on Ground 100mm	6.2	None	No Insulation	Cork Tiles or Parquetry 8mm

### Ceiling type

Location	Construction	Added insulation	Roof space above
Kitchen/Living	Concrete, Plasterboard	No insulation	No
Bed 5	Concrete, Plasterboard	No insulation	No
Bath Lndry	Concrete, Plasterboard	No insulation	No
Living	Concrete, Plasterboard	No insulation	No

### Ceiling penetrations

Location	Number	Type	Diameter (mm)	Sealed/unsealed
Kitchen/Living	6	Downlights - LED	150	Sealed
Kitchen/Living	1	Exhaust Fans	300	Sealed
Bed 5	3	Downlights - LED	150	Sealed
Bath Lndry	4	Downlights - LED	150	Sealed
Bath Lndry	1	Exhaust Fans	300	Sealed
Living	2	Downlights - LED	150	Sealed

### Ceiling fans

Location	Number	Diameter (mm)
None Present		

### Roof type

Construction	Added	Roof colour
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## Building features continued

### insulation

None Present

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## Additional information

## Explanatory notes

### About this report

Residential energy ratings address the quality of the building fabric i.e. walls, windows, floors and roof/ceilings. Ratings do not cover the energy or water efficiency of appliances including heating and cooling, hot water, dishwashers, ovens, fridges, TVs etc. or solar panel or water tank requirements. The efficiency or specification of these items is generally covered by other regulations, standards or guidelines.

### General Information

A NatHERS House Energy Rating is a comprehensive, dynamic computer modelling evaluation of the floorplans, elevations and specifications to predict an energy load of a home. Not all of us use our homes in the same way, so ratings are generated using standard assumptions. This means homes can be compared across the country.

The actual energy consumption of your home may vary significantly from the predicted energy load figures in the report depending on issues such as the size of your household and your personal preferences, e.g. in terms of heating or cooling.

While the figures are an indicative guide to energy use, they can be used as a reliable guide for comparative purposes between different house designs and for demonstrating that the design meets the required regulatory compliance.

Homes that are energy efficient use less energy, are warmer in winter, cooler in summer and cost less to run. The higher the star rating the more energy efficient.

This NatHERS House Energy Rating report was carefully prepared by your assessor on the basis of comprehensive modelling using standard procedures to rate your home using the underlying engine developed by the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO).

All information relating to energy loads presented in this report is based on a range of standard assumptions in order to allow for comparisons with reports prepared for other homes and to demonstrate minimum regulatory compliance.

The standard assumptions include figures for occupancy, indoor air temperature and are based on a unique climate file for your region.

### Accredited Assessors

To ensure you get a high-quality, professional NatHERS House Energy Rating report, you should always use an accredited assessor, accredited assessors are members of a professional body called an Assessor Accrediting Organisation (AAO).

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 on-going training requirements.

If you have any questions or concerns about this report, please direct them to your assessor in the first instance.

If your assessor is unable to address your questions or concerns, please contact their AAO listed under 'assessor details'. You can also find a range of information about accredited assessors on the AAO websites.

### Disclaimer

The energy values quoted are for comparison purposes only; they are not a prediction of actual energy use. This rating only applies to the floor plan, construction details, orientation and climate as submitted and included in the attached drawing set that bears a stamp with the same number as this certificate. Changes to any of these details could affect the rating.

### Contact

For more information on the Nationwide House Energy Rating Scheme (NatHERS), visit [www.nathers.gov.au](http://www.nathers.gov.au)

For more information on energy efficient design and insulation visit [www.yourhome.gov.au](http://www.yourhome.gov.au)