

# Nationwide House Energy Rating Scheme\* Certificate

Certificate number: 0000136630

Certificate Date: 18 Jul 2015

★ Star rating: 6.9



## Assessor details

Accreditation number: **20348**  
Name: **Eric Lam**  
Organisation: **Elam Architectural Drafting**  
Email: **chinghing10@hotmail.com**  
Phone: **0416271518**  
Declaration of interest: **No potential conflicts of interest to declare**  
Software: **AccuRate Sustainability V2.3.3.13 SP2**  
AAO: **ABSA**

## Overview

### Dwelling details

Street: **Unit 1, 24 Coonawarra STREET**  
Suburb: **ST CLAIR**  
State: **NSW** Postcode: **2759**  
Type: **New** NCC Class: **1a**  
NatHERS climate zone: **28**  
Lot/DP number: **2008/261356** Exposure: **Suburban**

### Key construction and insulation materials

(see following pages for details)

Construction: **Brick Veneer**  
**Concrete tile roof**  
**Slab**  
Insulation: **R2.0 wall insulation**  
**R3.0 ceiling insulation**  
**Floor (uninsulated)**  
Glazing: **Al Sliding Window SG 4Clr**

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

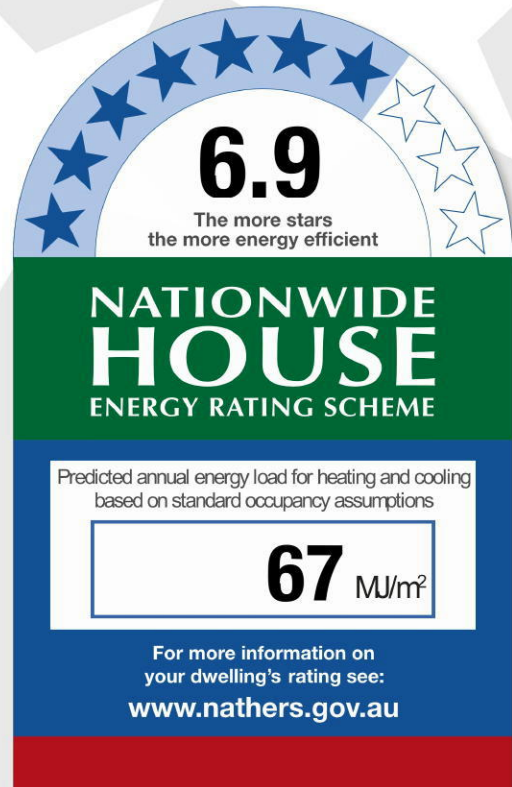
Conditioned: **196**  
Unconditioned: **27**  
Garage: **19**  
TOTAL: **223**

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

Heating: **42**  
Cooling: **24**  
TOTAL: **67**

### Plan documents

Plan reference: **Peter**  
Prepared by: **Peter**



### Ceiling penetrations

(see following pages for details)

Sealed: **2**  
Unsealed: **0**  
TOTAL:\*\* **2**

\*\*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: **No downlights modelled**

### Window selection - default windows only

Note on allowable window values: With a 10% tolerance to the nominated SHGC window values shown on page 2, the following ratings are achieved:

-10% SHGC **0.0**  
+10% SHGC **0.0**

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 the rating listed above falls below 6.0 stars or the required rating, then the window with this tolerance can NOT be selected.**

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## Building features

### Window type and performance value

Window ID	Window type	U-value	SHGC
A&L-003-04 A	A&L-VIC: Al Sliding Window SG 4Clr	6.11	0.76
A&L-012-04 A	A&L-VIC: Al Sliding Door SG 4Clr	6.09	0.72
A&L-025-04 A	A&L-VIC: Al Boutique Fixed Lite Window SG 4Clr	5.69	0.75
A&L-001-04 A	A&L-VIC: Al Awning SG 4Clr	5.79	0.65
A&L-006-01 A	A&L-VIC: Al Double Hung SG 5Clr	5.86	0.72

### Window schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Outdoor shade
Living	A&L-003-04 A	W1	1800	1450	S	None
Kitchen Living Dining	A&L-012-04 A	SD2	2110	2170	N	None
Kitchen Living Dining	A&L-006-01 A	W3	1800	730	N	None
Kitchen Living Dining	A&L-003-04 A	W4	685	3130	W	None
Laundry	A&L-003-04 A	W5	600	600	W	None
Powder	A&L-003-04 A	W6	600	600	W	None
FF- Bedroom 1	A&L-001-04 A	W7	1810	1100	S	None
FF- WIR Bedroom 1	A&L-025-04 A	W8	600	600	S	None
FF- Ensuite Bedroom 1	A&L-003-04 A	W9	600	610	W	None
FF-Bedroom 2.	A&L-003-04 A	W10	1020	2170	W	None
FF- Bedroom 3	A&L-003-04 A	W11	1020	2170	W	None
FF-Bedroom 4.	A&L-003-04 A	W12	1027	1570	N	None
FF-Bathroom	A&L-003-04 A	W13	685	1210	N	None

### Roof window and skylight type and performance value

ID	Window type	U-value	SHGC
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None Present

### Roof window and skylight schedule

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

### External wall type

Type	Insulation	Wall wrap or foil
EW-002: Brick Veneer	Glass fibre batt: R2.0	No
EW-003: Timber (Radiata pine)	Glass fibre batt: R2.0	No
EW-008: Styrocon	Glass fibre batt: R2.0	No

### External wall schedule

\* Nationwide House Energy Rating Scheme (NatHERS) is an initiative of the Australian, state and territory governments. For more details see [www.nathers.gov.au](http://www.nathers.gov.au)

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## Building features continued

Location	Wall type	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
Garage	EW-002	590	2700	N	No	
Garage	EW-002	5800	2700	W	No	
Garage	EW-002	3055	2700	S	No	
Entry	EW-002	99	2700	W	No	
Entry	EW-002	2000	2700	S	Yes	1585
Entry	EW-002	1105	2700	E	No	
Living	EW-002	2990	2700	S	No	
Kitchen Living Dining	EW-002	9885	2700	N	Yes	2700
Kitchen Living Dining	EW-002	4800	2700	W	No	
Kitchen Living Dining	EW-002	590	2700	S	No	
Laundry	EW-002	1640	2700	W	No	
Powder	EW-002	1610	2700	W	No	
FF- Bedroom 1	EW-002	2990	2500	S	Yes	450
FF- Bedroom 1	EW-003	705	2500	S	Yes	450
FF- WIR Bedroom 1	EW-003	2190	2500	S	Yes	450
FF- WIR Bedroom 1	EW-003	3020	2500	W	Yes	450
FF- Ensuite Bedroom 1	EW-003	2030	2500	W	Yes	450
FF- Ensuite Bedroom 1	EW-003	440	2500	N	Yes	6980
FF-Bedroom 2.	EW-008	3340	2500	W	Yes	450
FF- Bedroom 3	EW-008	3500	2500	W	Yes	450
FF-Bedroom 4.	EW-008	440	2500	S	Yes	6980
FF-Bedroom 4.	EW-008	3790	2500	W	Yes	450
FF-Bedroom 4.	EW-008	4200	2500	N	Yes	450
FF-Bathroom	EW-008	3035	2500	N	Yes	450
FF-Bathroom	EW-008	365	2500	E	Yes	7580

## Internal wall type

Wall type	Area (m <sup>2</sup> )	Insulation	Wall wrap or foil
IW-002: Brick	80.1		No
IW-003: Plasterboard	153.5		No

## Floors

Location	Construction	Area (m <sup>2</sup> )	Sub floor ventilation	Added insulation	Covering
Garage/Ground	Concrete Slab : Ground	18.6			
Entry/Ground	Concrete : ceramic tiles: Ground	3.4			Ceramic tile
Living/Ground	Concrete : ceramic tiles: Ground	27.1			Ceramic tile
Kitchen Living	Concrete : ceramic tiles: Ground	68.7			Ceramic tile

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## Building features continued

Dining/Ground			
Laundry/Ground	Concrete : ceramic tiles: Ground	4.3	Ceramic tile
Powder/Ground	Concrete : ceramic tiles: Ground	4.2	Ceramic tile
FF- Bedroom 1/Garage	Timber : carpet /air gap/Plasterboard	18.8	Carpet 10 + rubber underlay 8
FF- Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard	0.1	Carpet 10 + rubber underlay 8
FF- WIR Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard	0.6	Carpet 10 + rubber underlay 8
FF- WIR Bedroom 1/Living	Timber : carpet /air gap/Plasterboard	3.8	Carpet 10 + rubber underlay 8
FF- WIR Bedroom 1/Garage	Timber : carpet /air gap/Plasterboard	2.0	Carpet 10 + rubber underlay 8
FF- Ensuite Bedroom 1/Living	Timber :Ceramic tiles/air gap/Platerboard	3.0	Ceramic tile
FF- Ensuite Bedroom 1/Garage	Timber :Ceramic tiles/air gap/Platerboard	1.1	Ceramic tile
FF- Ensuite Bedroom 1/Powder	Timber :Ceramic tiles/air gap/Platerboard	0.2	Ceramic tile
FF-Bedroom 2./Living	Timber : carpet /air gap/Plasterboard	0.4	Carpet 10 + rubber underlay 8
FF-Bedroom 2./Kitchen Living Dining	Timber : carpet /air gap/Plasterboard	13.3	Carpet 10 + rubber underlay 8
FF-Bedroom 2./Laundry	Timber : carpet /air gap/Plasterboard	0.1	Carpet 10 + rubber underlay 8
FF-Bedroom 2./Powder	Timber : carpet /air gap/Plasterboard	0.1	Carpet 10 + rubber underlay 8
FF- Bedroom 3/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard	14.2	Carpet 10 + rubber underlay 8
FF-Bedroom 4./Kitchen Living Dining	Timber : carpet /air gap/Plasterboard	4.4	Carpet 10 + rubber underlay 8
FF-Bedroom 4./Outdoor Air	Timber : carpet /air gap/Plasterboard	10.7	Carpet 10 + rubber underlay 8
FF- Bathroom/Outdoor Air	Timber :Ceramic tiles/air gap/Platerboard	7.7	Ceramic tile
FF- Bathroom/Kitchen Living Dining	Timber :Ceramic tiles/air gap/Platerboard	1.0	Ceramic tile
FF-Hall/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard	19.5	Carpet 10 + rubber underlay 8
Roof Space/Outdoor Air	Eaves	15.8	
Roof Space/FF-Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	19.0	R3.0
Roof Space/FF-WIR Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	6.6	R3.0
Roof Space/FF-Ensuite Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	4.4	R3.0
Roof Space/FF-Bedroom 2.	Plasterboard 10 mm + R3.0 bulk insulation	14.5	R3.0
Roof Space/FF-Bedroom 3	Plasterboard 10 mm + R3.0 bulk insulation	14.3	R3.0
		16.1	R3.0

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Roof Space/FF-Bedroom 4.	Plasterboard 10 mm + R3.0 bulk insulation		
Roof Space/FF-Bathroom	Plasterboard 10 mm + R3.0 bulk insulation	9.0	R3.0
Roof Space/FF-Hall	Plasterboard 10 mm + R3.0 bulk insulation	20.0	R3.0

## Ceiling type

Location	Construction	Added insulation	Roof space above
FF- Bedroom 1/Garage	Timber : carpet /air gap/Plasterboard		No
FF- Ensuite Bedroom 1/Garage	Timber :Ceramic tiles/air gap/Platerboard		No
FF- WIR Bedroom 1/Garage	Timber : carpet /air gap/Plasterboard		No
FF- WIR Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard		No
FF- Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard		No
FF- Ensuite Bedroom 1/Living	Timber :Ceramic tiles/air gap/Platerboard		No
FF-Bedroom 2./Living	Timber : carpet /air gap/Plasterboard		No
FF- WIR Bedroom 1/Living	Timber : carpet /air gap/Plasterboard		No
FF- Bedroom 3/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard		No
FF-Bedroom 4./Kitchen Living Dining	Timber : carpet /air gap/Plasterboard		No
FF-Bedroom 2./Kitchen Living Dining	Timber : carpet /air gap/Plasterboard		No
FF-Hall/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard		No
FF- Bathroom/Kitchen Living Dining	Timber :Ceramic tiles/air gap/Platerboard		No
FF-Bedroom 2./Laundry	Timber : carpet /air gap/Plasterboard		No
FF- Ensuite Bedroom 1/Powder	Timber :Ceramic tiles/air gap/Platerboard		No
FF-Bedroom 2./Powder	Timber : carpet /air gap/Plasterboard		No
Roof Space/FF-Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-WIR Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Ensuite Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Bedroom 2.	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes

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## Building features continued

Roof Space/FF-Bedroom 3	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Bedroom 4.	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Bathroom	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Hall	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes

## Ceiling penetrations

Location	Number	Type	Diameter (mm)	Sealed/unsealed
FF- Ensuite Bedroom 1	1	Ceiling vent	250	Sealed
FF-Bedroom 2.	1	Ceiling exhaust fan	250	Sealed

## Ceiling fans

Location	Number	Diameter (mm)
None Present		

## Roof type

Construction	Added insulation	Roof colour
Tiles (concrete)		Tiles: concrete (brown)
Skillion Roof Metal R3.0	R3.0	Medium
Skillion Roof Metal		Medium

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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 this 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 an 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)

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For more details see [www.nathers.gov.au](http://www.nathers.gov.au)

# Nationwide House Energy Rating Scheme\* Certificate

Certificate number: 0000136648

Certificate Date: 18 Jul 2015

★ Star rating: 7.4



## Assessor details

Accreditation number: **20348**  
Name: **Eric Lam**  
Organisation: **Elam Architectural Drafting**  
Email: **chinghing10@hotmail.com**  
Phone: **0416271518**  
Declaration of interest: **No potential conflicts of interest to declare**  
Software: **AccuRate Sustainability V2.3.3.13 SP2**  
AAO: **ABSA**

## Overview

### Dwelling details

Street: **Unit 2, 24 Coonawarra STREET**  
Suburb: **ST CLAIR**  
State: **NSW** Postcode: **2759**  
Type: **New** NCC Class: **1a**  
NatHERS climate zone: **28**  
Lot/DP number: **2008/261356** Exposure: **Suburban**

### Key construction and insulation materials

(see following pages for details)

Construction: **Brick Veneer**  
**Concrete tile roof**  
**Slab**  
Insulation: **R2.0 wall insulation**  
**R3.0 ceiling insulation**  
**Floor (uninsulated)**  
Glazing: **Al Sliding Door SG 4Clr**

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

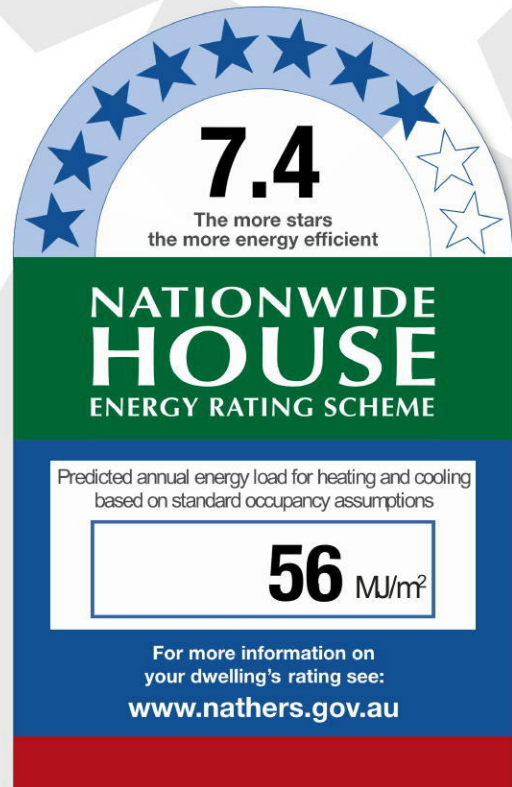
Conditioned: **182**  
Unconditioned: **41**  
Garage: **19**  
TOTAL: **223**

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

Heating: **30**  
Cooling: **27**  
TOTAL: **56**

### Plan documents

Plan reference: **Peter**  
Prepared by: **Peter**



### Ceiling penetrations

(see following pages for details)

Sealed: **2**  
Unsealed: **0**  
TOTAL:\*\* **2**

\*\*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: **No downlights modelled**

### Window selection - default windows only

Note on allowable window values: With a 10% tolerance to the nominated SHGC window values shown on page 2, the following ratings are achieved:

-10% SHGC **0.0**  
+10% SHGC **0.0**

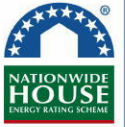
NB: This tolerance ONLY applies to SHGC, the U-value can always be lower but not higher than the values stated on page 2.

**If the rating listed above falls below 6.0 stars or the required rating, then the window with this tolerance can NOT be selected.**

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



# Nationwide House Energy Rating Scheme\* Certificate



Certificate number: 0000136648

Certificate Date:

18 Jul 2015

★ Star rating:

7.4

## Building features

### Window type and performance value

Window ID	Window type	U-value	SHGC
A&L-003-04 A	A&L-VIC: Al Sliding Window SG 4Clr	6.11	0.76
A&L-012-04 A	A&L-VIC: Al Sliding Door SG 4Clr	6.09	0.72
A&L-025-04 A	A&L-VIC: Al Boutique Fixed Lite Window SG 4Clr	5.69	0.75
A&L-001-04 A	A&L-VIC: Al Awning SG 4Clr	5.79	0.65
A&L-006-01 A	A&L-VIC: Al Double Hung SG 5Clr	5.86	0.72

### Window schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Outdoor shade
Living	A&L-001-04 A	W1	1800	970	S	None
Living	A&L-003-04 A	W2	610	2170	E	None
Kitchen Living Dining	A&L-006-01 A	W3	1800	730	E	None
Kitchen Living Dining	A&L-006-01 A	W4	1800	730	E	None
Kitchen Living Dining	A&L-006-01 A	W5	1800	730	N	None
Kitchen Living Dining	A&L-012-04 A	SD6	2110	4090	N	None
Laundry	A&L-003-04 A	W7	600	600	E	None
FF- Bedroom 1	A&L-012-04 A	SD8	2110	2170	S	None
FF- WIR Bedroom 1	A&L-025-04 A	W9	600	600	S	None
FF- Ensuite Bedroom 1	A&L-003-04 A	W10	600	610	E	None
FF-Bathroom.	A&L-003-04 A	W11	685	1210	E	None
FF- Bedroom 2	A&L-003-04 A	W12	1020	1570	E	None
FF-Bedroom 3	A&L-003-04 A	W13	1027	1570	N	None
FF-Bedroom 4	A&L-003-04 A	W14	1210	1570	N	None

### 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

Type	Insulation	Wall wrap or foil
EW-002: Brick Veneer	Glass fibre batt: R2.0	No
EW-003: Timber (Radiata pine)	Glass fibre batt: R2.0	No
EW-008: Styrocon	Glass fibre batt: R2.0	No

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## Building features continued

### External wall schedule

Location	Wall type	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
Garage	EW-002	5400	3040	S	No	
Garage	EW-002	350	3040	E	Yes	2830
Entry	EW-002	2580	3040	S	Yes	1710
Entry	EW-002	1740	3040	E	No	
Living	EW-002	1765	3040	S	No	
Living	EW-002	4300	3040	E	No	
Kitchen Living Dining	EW-002	5390	2700	E	No	
Kitchen Living Dining	EW-002	8900	2700	N	Yes	1695
Laundry	EW-002	1800	2700	E	No	
FF- Bedroom 1	EW-002	3450	2500	S	Yes	1580
FF- WIR Bedroom 1	EW-002	1150	2500	S	Yes	1580
FF- WIR Bedroom 1	EW-002	370	2500	W	Yes	5500
FF- WIR Bedroom 1	EW-003	2570	2500	S	Yes	450
FF- WIR Bedroom 1	EW-003	1615	2500	E	Yes	450
FF- Ensuite Bedroom 1	EW-003	2660	2500	E	Yes	450
FF- Ensuite Bedroom 1	EW-003	440	2500	N	Yes	6140
FF-Bathroom.	EW-008	2520	2500	E	Yes	450
FF- Bedroom 2	EW-008	3525	2500	E	Yes	450
FF-Bedroom 3	EW-008	440	2500	S	Yes	6140
FF-Bedroom 3	EW-008	4640	2500	E	Yes	450
FF-Bedroom 3	EW-008	3400	2500	N	Yes	450
FF-Bedroom 4	EW-008	3480	2500	N	Yes	450

### Internal wall type

Wall type	Area (m <sup>2</sup> )	Insulation	Wall wrap or foil
IW-002: Brick	61.3		No
IW-003: Plasterboard	171.4		No
IW-005: Particleboard	15.2		No

### Floors

Location	Construction	Area (m <sup>2</sup> )	Sub floor ventilation	Added insulation	Covering
Garage/Ground	Concrete Slab : Ground	18.6			
Entry/Ground	Concrete : ceramic tiles: Ground	3.4			Ceramic tile
Living/Ground	Concrete : ceramic tiles: Ground	27.1			Ceramic tile

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## Building features continued

Kitchen Living Dining/Ground	Concrete : ceramic tiles: Ground	68.7		Ceramic tile
Laundry/Ground	Concrete : ceramic tiles: Ground	4.3		Ceramic tile
Powder/Ground	Concrete : ceramic tiles: Ground	4.2		Ceramic tile
FF- Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard	18.8		Carpet 10 + rubber underlay 8
FF- Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard	0.1		Carpet 10 + rubber underlay 8
FF- WIR Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard	0.6		Carpet 10 + rubber underlay 8
FF- WIR Bedroom 1/Living	Timber : carpet /air gap/Plasterboard	3.8		Carpet 10 + rubber underlay 8
FF- WIR Bedroom 1/Garage	Timber : carpet /air gap/Plasterboard	2.0		Carpet 10 + rubber underlay 8
FF- Ensuite Bedroom 1/Living	Timber :Ceramic tiles/air gap/Platerboard	3.0		Ceramic tile
FF- Ensuite Bedroom 1/Garage	Timber :Ceramic tiles/air gap/Platerboard	1.1		Ceramic tile
FF- Ensuite Bedroom 1/Powder	Timber :Ceramic tiles/air gap/Platerboard	0.2		Ceramic tile
FF- Bathroom./Living	Timber : carpet /air gap/Plasterboard	0.4		Carpet 10 + rubber underlay 8
FF- Bathroom./Kitchen Living Dining	Timber : carpet /air gap/Plasterboard	13.3		Carpet 10 + rubber underlay 8
FF- Bathroom./Laundry	Timber : carpet /air gap/Plasterboard	0.1		Carpet 10 + rubber underlay 8
FF- Bathroom./Powder	Timber : carpet /air gap/Plasterboard	0.1		Carpet 10 + rubber underlay 8
FF- Bedroom 2/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard	14.2		Carpet 10 + rubber underlay 8
FF-Bedroom 3/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard	4.4		Carpet 10 + rubber underlay 8
FF-Bedroom 3/Outdoor Air	Timber : carpet /air gap/Plasterboard	10.7		Carpet 10 + rubber underlay 8
FF-Bedroom 4/Outdoor Air	Timber :Ceramic tiles/air gap/Platerboard	7.7		Ceramic tile
FF-Bedroom 4/Kitchen Living Dining	Timber :Ceramic tiles/air gap/Platerboard	1.0		Ceramic tile
FF-Hall/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard	19.5		Carpet 10 + rubber underlay 8
Roof Space/Outdoor Air	Eaves	15.8		
Roof Space/FF-Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	19.0	R3.0	
Roof Space/FF-WIR Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	6.6	R3.0	
Roof Space/FF-Ensuite Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	4.4	R3.0	
Roof Space/FF-Bathroom.	Plasterboard 10 mm + R3.0 bulk insulation	14.5	R3.0	
Roof Space/FF-Bedroom 2	Plasterboard 10 mm + R3.0 bulk insulation	14.3	R3.0	

\* Nationwide House Energy Rating Scheme (NatHERS) is an initiative of the Australian, state and territory governments. For more details see [www.nathers.gov.au](http://www.nathers.gov.au)

# Nationwide House Energy Rating Scheme\* Certificate



Certificate number: **0000136648**

Certificate Date:

**18 Jul 2015**

★ Star rating:

**7.4**

## Building features continued

Roof Space/FF-Bedroom 3	Plasterboard 10 mm + R3.0 bulk insulation	16.1	R3.0
Roof Space/FF-Bedroom 4	Plasterboard 10 mm + R3.0 bulk insulation	9.0	R3.0
Roof Space/FF-Hall	Plasterboard 10 mm + R3.0 bulk insulation	20.0	R3.0

## Ceiling type

Location	Construction	Added insulation	Roof space above
FF- Ensuite Bedroom 1/Garage	Timber :Ceramic tiles/air gap/Plasterboard		No
FF- WIR Bedroom 1/Garage	Timber : carpet /air gap/Plasterboard		No
FF- Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard		No
FF- WIR Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard		No
FF- Bedroom 1/Entry	Timber : carpet /air gap/Plasterboard		No
FF- Ensuite Bedroom 1/Living	Timber :Ceramic tiles/air gap/Plasterboard		No
FF- Bathroom./Living	Timber : carpet /air gap/Plasterboard		No
FF- WIR Bedroom 1/Living	Timber : carpet /air gap/Plasterboard		No
FF- Bedroom 2/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard		No
FF-Bedroom 3/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard		No
FF- Bathroom./Kitchen Living Dining	Timber : carpet /air gap/Plasterboard		No
FF-Hall/Kitchen Living Dining	Timber : carpet /air gap/Plasterboard		No
FF-Bedroom 4/Kitchen Living Dining	Timber :Ceramic tiles/air gap/Plasterboard		No
FF- Bathroom./Laundry	Timber : carpet /air gap/Plasterboard		No
FF- Ensuite Bedroom 1/Powder	Timber :Ceramic tiles/air gap/Plasterboard		No
FF- Bathroom./Powder	Timber : carpet /air gap/Plasterboard		No
Roof Space/FF-Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-WIR Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Ensuite Bedroom 1	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Bathroom.	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes

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## Building features continued

Roof Space/FF-Bedroom 2	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Bedroom 3	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Bedroom 4	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes
Roof Space/FF-Hall	Plasterboard 10 mm + R3.0 bulk insulation	R3.0	Yes

## Ceiling penetrations

Location	Number	Type	Diameter (mm)	Sealed/unsealed
FF- Ensuite Bedroom 1	1	Ceiling vent	250	Sealed
FF-Bathroom.	1	Ceiling exhaust fan	250	Sealed

## Ceiling fans

Location	Number	Diameter (mm)
None Present		

## Roof type

Construction	Added insulation	Roof colour
Tiles (concrete)		Tiles: concrete (brown)
Skillion Roof Metal R3.0	R3.0	Medium
Balcony-timber		Medium

# Nationwide House Energy Rating Scheme\* Certificate

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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 this 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 an 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)

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For more details see [www.nathers.gov.au](http://www.nathers.gov.au)