

Nationwide House Energy Rating Scheme* Certificate

Certificate number: 0003886496

Certificate Date: 24 May 2019

★ Star rating: 4.8



Assessor details

Accreditation

number: 20042

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Organisation: NatHERS & BASIX Solutions

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Declaration of interest: No potential conflicts of interest to declare

Software: AccuRate Sustainability V2.3.3.13 SP4

AAO: ABSA

Overview

Dwelling details

Street: 24 Lancaster Crescent

Suburb: Collaroy

State: NSW

Postcode: 2097

Type: New

NCC Class: 1a

NatHERS

climate zone: 56

Lot/DP

number: Lot 3 DP 11899

Exposure: Suburban

Key construction and insulation materials

(see following pages for details)

Construction: Steel/Plasterboard wall
Concrete roof/Plasterboard Slab

Insulation: R3.6 wall insulation
Ceiling (uninsulated)
Floor (uninsulated)

Glazing: Al Thermally Broken B DG Argon Fill
Clear-Clear

Net floor area (m²)

Conditioned: 482.2

Unconditioned: 281.5

Garage: 221.3

TOTAL: 763.7

Annual thermal performance loads (MJ/m²)

Heating: 51.0

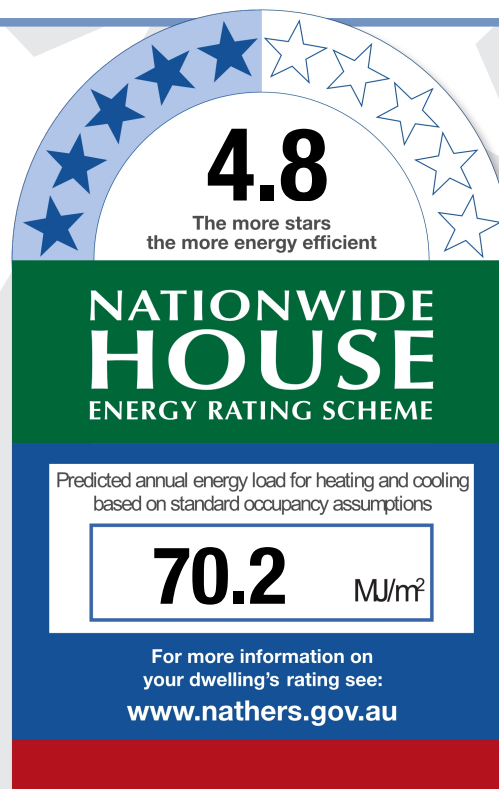
Cooling: 19.2

TOTAL: 70.2

Plan documents

Plan ref/date: 1612/20.05.19

Prepared by: Luke Trovato



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 Ceiling Penetration Downlights

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 4.7

+10% SHGC 4.8

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.



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Building features

Window type and performance value

Window ID	Window type	U-value	SHGC
ALM-001-01 A	DEFAULTS: Aluminium A SG Clear	6.7	0.57
ALM-002-03 A	DEFAULTS: Aluminium B SG High Solar Gain Low-E	5.4	0.58
ATB-006-01 B	DEFAULTS: Al Thermally Broken B DG Argon Fill Clear-Clear	3.5	0.64

Window schedule

Location	Window ID	Window no.	Height (mm)	Width (mm)	Orientation	Outdoor shade
Games/rumpus	ATB-006-01 B	WL02.01	2700	6000	S	None
Bed 1	ATB-006-01 B	WL02.15	1500	2000	NE	None
Bath GF	ATB-006-01 B	WL02.14	1500	1500	NE	None
Bed 2	ATB-006-01 B	WL02.13	1500	2000	NE	None
Bed 3	ATB-006-01 B	WL2.12	1500	2000	W	None
Gym Ensuite	ATB-006-01 B	WL02.07	1500	200	SW	None
Gym Ensuite	ATB-006-01 B	WL02.08	1500	200	SW	None
Gym Ensuite	ATB-006-01 B	W02.09	1500	200	SW	None
Gym Ensuite	ATB-006-01 B	W02.10	1500	200	SW	None
Gym	ATB-006-01 B	WL02.03	1500	200	SW	None
Gym	ATB-006-01 B	WL02.04	1500	200	SW	None
Gym	ATB-006-01 B	WL02.05	1500	200	SW	None
Gym	ATB-006-01 B	WL02.06	1500	200	SW	None
Gym	ATB-006-01 B	WL02.02	2700	3800	S	None
Living/dining/kitchen	ATB-006-01 B	WL03.01	2700	5502	SE	None
Living/dining/kitchen	ATB-006-01 B	WL03.02	2700	4400	S	None
Living/dining/kitchen	ATB-006-01 B	WL03.03	2600	350	W	None
Living/dining/kitchen	ATB-006-01 B	WL03.04	2600	350	W	None
Living/dining/kitchen	ATB-006-01 B	WL03.05	2600	350	W	None
Living/dining/kitchen	ATB-006-01 B	WL03.06	2600	350	W	None
Living/dining/kitchen	ATB-006-01 B	WL03.07	2600	350	W	None
Living/dining/kitchen	ATB-006-01 B	WL03.07	2700	5900	S	None
Living/dining/kitchen	ATB-006-01 B	WL03.09	2400	4550	N	None
Pantry	ALM-002-03 A	WL03.08	1500	700	S	None
Sunroom FF	ALM-002-03 A	WL03.10	2400	400	W	None
Sunroom FF	ATB-006-01 B	WL03 sunroom	2700	2900	N	None
Sunroom FF	ALM-002-03 A	WL03.11	1300	400	E	None
Sunroom FF	ALM-002-03 A	WL03.12	1300	400	E	None
Sunroom FF	ALM-002-03 A	WL03.15	1300	400	E	None
Powder FF	ALM-002-03 A	WL03.13	1500	800	SE	None
Study FF	ALM-002-03 A	WL03.14	1825	1800	NE	Outdoor venetians
Master Bed	ATB-006-01 B	WL04-24	1600	300	E	None
Master Bed	ATB-006-01 B	WL04-25	1600	300	E	None

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Master Bed	ALM-002-03 A	WL04.14	2700	1800	NE	None
Master Bed	ATB-006-01 B	WL04-18	1600	300	NE	None
Master Bed	ATB-006-01 B	WL04-19	1600	300	NE	None
Master Bed	ATB-006-01 B	WL04-20	1600	300	NE	None
Master Bed	ALM-001-01 A	WL04.21	2700	1000	S	None
Master Bed	ATB-006-01 B	WL04-18	1800	300	S	None
Master Bed	ATB-006-01 B	WL04-19	1800	300	S	None
Master Bed	ATB-006-01 B	WL04-20	1800	300	S	None
Master Bed	ALM-001-01 A	WL04.23	2700	1000	S	None
Master Bed	ATB-006-01 B	WL04.22	2000	1700	S	None
Ensuite L4	ATB-006-01 B	WL04.08	1600	300	E	None
Ensuite L4	ATB-006-01 B	WL04.09	1600	300	E	None
Ensuite L4	ATB-006-01 B	WL04.10	1600	300	E	None
Ensuite L4	ATB-006-01 B	WL04.05	1600	300	N	None
Ensuite L4	ATB-006-01 B	WL04.06	1600	300	N	None
Ensuite L4	ATB-006-01 B	WL04.07	1600	300	N	None
Sunroom L4	ATB-006-01 B	WL04.04	2700	4000	N	None
Hall/stair/void	ATB-006-01 B	W1.04.03	2600	2909	S	None
Hall/stair/void	ALM-002-03 A	WL04.02	2500	1550	S	None
Ensuite Bed 3	ATB-006-01 B	Ensuite Bed 3	600	1500	W	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 (m²)	Orientation	Outdoor shade	Indoor shade/diffuser
None Present						

External wall type

ID	Wall type	Insulation	Wall wrap or foil
EW-003	Retaining Concrete block/Plasterboard		No
EW-008	Retaining Concrete block		No
EW-009	Retaining Sandstone		No
EW-010	Sandstone/Concrete wall/Plasterboard	Polystyrene expanded: R1.5	No
EW-011	Plasterboard	Polystyrene extruded (k = 0.028): R3.6	No
EW-012	Retaining Sandstone/Glass		No

External wall schedule

Location	ID	Width (mm)	Height (mm)	Orientation	Fixed Shade	Eaves (mm)
Garage/pool/plantr oom	EW-009	22400	2700	NE	No	

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Garage/pool/plant room	EW-009	4000	2700	NW	No	
Garage/pool/plant room	EW-009	6500	2700	W	No	
Garage/pool/plant room	EW-010	14800	2700	S	No	
Garage/pool/plant room	EW-010	3650	2700	SW	No	
Garage/pool/plant room	EW-010	3050	2700	SE	No	
Garage/pool/plant room	EW-009	7150	2700	NE	No	
Garage/pool/plant room	EW-009	800	2700	SE	No	
Stair/Hall basement	EW-009	3700	2700	S	No	
Lift basement	EW-003	1450	2700	N	No	
Games/rumpus	EW-011	9600	2700	NE	No	
Games/rumpus	EW-011	6800	2700	S	No	
Bed 1	EW-011	3400	2700	NE	No	
Bath GF	EW-011	3000	2400	NE	No	
Bed 2	EW-011	4150	2700	NE	No	
Bed 2	EW-008	4000	2700	NW	No	
Entry/Hall/stair/storeroom/linen GF	EW-009	1900	2700	W	No	
Entry/Hall/stair/storeroom/linen GF	EW-011	2400	2700	S	Yes	3700
Lift GF	EW-008	1450	2700	N	No	
cinema room	EW-012	3500	2700	N	No	
cinema room	EW-008	6000	2700	W	No	
cinema room	EW-008	700	2700	E	No	
cinema room	EW-008	950	2700	N	No	
cinema room	EW-008	600	2700	N	No	
Bed 3	EW-011	3500	2700	W	No	
Bed 3	EW-009	4450	2700	S	No	
Gym Ensuite	EW-011	1800	2400	SW	Yes	3700
Gym	EW-011	4700	2700	SW	Yes	3700
Gym	EW-011	4100	2700	S	Yes	1400
Living/dining/kitchen	EW-011	750	2700	NW	No	
Living/dining/kitchen	EW-011	5000	2700	NE	No	
Living/dining/kitchen	EW-011	6400	2700	SE	Yes	3800
Living/dining/kitchen	EW-011	5000	2700	S	Yes	1000
Living/dining/kitchen	EW-011	2950	2700	W	Yes	4000
Living/dining/kitchen	EW-011	5900	2700	S	Yes	4000
Living/dining/kitchen	EW-011	4500	2700	W	No	
Living/dining/kitchen	EW-011	1000	2700	W	No	

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n						
Living/dining/kitchen	EW-011	5000	2700	N	Yes	3700
Pantry	EW-011	3900	2400	W	No	
Pantry	EW-011	700	2400	S	No	
Lift FF	EW-011	1500	2700	N	No	
Lift FF	EW-011	1600	2700	W	Yes	7000
Sunroom FF	EW-011	600	2700	W	No	
Sunroom FF	EW-011	3000	2700	N	Yes	500
Sunroom FF	EW-011	4000	2700	E	No	
Laundry	EW-011	1900	2400	E	No	
Powder FF	EW-011	700	2400	SE	No	
Study FF	EW-011	2200	2700	NE	No	
Master Bed	EW-011	2500	2700	E	No	
Master Bed	EW-011	5200	2700	NE	No	
Master Bed	EW-011	8000	2700	S	Yes	2000
Ensuite L4	EW-011	2500	2400	E	No	
Ensuite L4	EW-011	3350	2400	N	No	
Lift L4	EW-011	200	2700	E	No	
Lift L4	EW-011	1500	2700	N	No	
Lift L4	EW-011	1500	2700	W	No	
Sunroom L4	EW-011	4000	2700	N	Yes	2000
Sunroom L4	EW-011	3200	2700	W	No	
Hall/stair/void	EW-011	3400	2700	W	No	
Hall/stair/void	EW-011	3450	2700	S	Yes	700
Hall/stair/void	EW-011	1550	2700	S	No	
Basement store	EW-009	9100	2700	W	No	
Basement store	EW-009	5100	2700	N	No	
Basement store	EW-009	700	2700	E	No	
Bath basement	EW-009	2200	2700	W	No	
Bath basement	EW-009	3000	2700	S	No	
Ensuite Bed 3	EW-011	1700	2700	W	No	
Hall to lift FF	EW-011	900	2700	W	Yes	7000

Internal wall type

ID	Wall type	Area (m²)	Insulation	Wall wrap or foil
IW-001	Plasterboard	337.6		No
IW-006	Concrete block	82.7		No

Floors

Location	Construction	Area (m²)	Sub floor ventilation	Added insulation	Covering
Garage/pool/planroom/Ground	Concrete Slab 200 mm: bare/bare	221.3			
Stair/Hall basement/Ground	Concrete Slab 200 mm: bare/bare	23.2			

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Lift basement/Ground	Concrete Slab 200 mm: bare/bare	2.4	
Games/rumpus/Garage/pool/plantroom	Concrete Slab 200 mm: ceramic tiles/plasterboard	56.5	Ceramic tile
Bed 1/Garage/pool/plantroom	Concrete Slab 200 mm: carpet/plasterboard	14.3	Carpet 10 + felt underlay 10
Bath GF/Garage/pool/plantroom	Concrete Slab 200 mm: ceramic tiles/plasterboard	9.0	Ceramic tile
Bed 2/Garage/pool/plantroom	Concrete Slab 200 mm: carpet/plasterboard	17.8	Carpet 10 + felt underlay 10
Entry/Hall/stair/store/linen GF/Ground	Concrete Slab 200 mm: carpet/bare	4.7	Carpet 10 + felt underlay 10
Entry/Hall/stair/store/linen GF/Stair/Hall basement	Concrete Slab 200 mm: carpet/plasterboard	17.5	Carpet 10 + felt underlay 10
Entry/Hall/stair/store/linen GF/Garage/pool/plantroom	Concrete Slab 200 mm: carpet/plasterboard	26.3	Carpet 10 + felt underlay 10
Lift GF/Lift basement	Concrete Slab 200 mm: ceramic tiles/bare	2.4	Ceramic tile
cinema room/Basement store	Concrete Slab 200 mm: carpet/plasterboard	28.4	Carpet 10 + felt underlay 10
cinema room/Stair/Hall basement	Concrete Slab 200 mm: carpet/plasterboard	1.7	Carpet 10 + felt underlay 10
Bed 3/Stair/Hall basement	Concrete Slab 200 mm: carpet/plasterboard	3.5	Carpet 10 + felt underlay 10
Bed 3/Bath basement	Concrete Slab 200 mm: carpet/plasterboard	6.6	Carpet 10 + felt underlay 10
Bed 3/Basement store	Concrete Slab 200 mm: carpet/plasterboard	6.0	Carpet 10 + felt underlay 10
Gym Ensuite/Garage/pool/plantroom	Concrete Slab 200 mm: ceramic tiles/plasterboard	5.0	Ceramic tile
Gym/Garage/pool/plantroom	Timber on Concrete slab	23.1	
Powder/Garage/pool/plantroom	Concrete Slab 200 mm: ceramic tiles/plasterboard	4.9	Ceramic tile
Study GF/Garage/pool/plantroom	Timber on Concrete slab	5.4	
Living/dining/kitchen/Gym Ensuite	Timber on Concrete slab	5.0	
Living/dining/kitchen/cinema room	Timber on Concrete slab	11.1	
Living/dining/kitchen/Powder	Timber on Concrete slab	2.3	
Living/dining/kitchen/Study GF	Timber on Concrete slab	0.4	
Living/dining/kitchen/Bed 3	Timber on Concrete slab	13.0	
Living/dining/kitchen	Timber on Concrete slab	27.8	

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n/Games/rumpus			
Living/dining/kitchen/Outdoor Air	Timber on Concrete slab	11.1	
Living/dining/kitchen/Gym	Timber on Concrete slab	12.6	
Living/dining/kitchen/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	32.4	
Living/dining/kitchen/Bed 1	Timber on Concrete slab	2.1	
Living/dining/kitchen/Hall to Bed 3/cinema	Timber on Concrete slab	2.3	
Living/dining/kitchen/Ensuite Bed 3	Timber on Concrete slab	1.6	
Pantry/cinema room	Timber on Concrete slab	1.9	
Pantry/Ensuite Bed	Timber on Concrete slab	2.8	
Pantry/Bed 3	Timber on Concrete slab	1.8	
Lift FF/Lift GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	2.4	Ceramic tile
Sunroom FF/Bath GF	Timber on Concrete slab	0.6	
Sunroom FF/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	1.2	
Sunroom FF/Outdoor Air	Timber on Concrete slab	0.8	
Sunroom FF/Bed 2	Timber on Concrete slab	12.6	
Laundry/Entry/Hall/stair/store/linen GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	4.4	Ceramic tile
Laundry/Bath GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	2.8	Ceramic tile
Laundry/Bed 2	Concrete Slab 200 mm: ceramic tiles/plasterboard	0.3	Ceramic tile
Powder FF/Bath GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	0.3	Ceramic tile
Powder FF/Entry/Hall/stair/store/linen GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	3.6	Ceramic tile
Powder FF/Powder	Concrete Slab 200 mm: ceramic tiles/plasterboard	0.3	Ceramic tile
Study FF/Bed 1	Timber on Concrete slab	3.0	
Study FF/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	4.5	
Study FF/Study GF	Timber on Concrete slab	5.0	
Master Bed/Study FF	Concrete Slab 200 mm: carpet/plasterboard	11.5	Carpet 10 + felt underlay 10
Master Bed/Powder FF	Concrete Slab 200 mm: carpet/plasterboard	3.8	Carpet 10 + felt underlay 10
Master Bed/Laundry	Concrete Slab 200 mm: carpet/plasterboard	6.6	Carpet 10 + felt underlay 10
Master Bed/Living/dining/kitchen	Concrete Slab 200 mm: carpet/plasterboard	13.9	Carpet 10 + felt underlay 10

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Master Bed/Linen FF	Concrete Slab 200 mm: carpet/plasterboard	2.9	Carpet 10 + felt underlay 10
Ensuite L4/Sunroom FF	Concrete Slab 200 mm: ceramic tiles/plasterboard	8.8	Ceramic tile
Lift L4/Lift FF	Concrete Slab 200 mm: ceramic tiles/plasterboard	2.4	Ceramic tile
Sunroom L4/Living/dining/kitchen	Timber on Concrete slab	8.0	
Sunroom L4/Outdoor Air	Timber on Concrete slab	4.8	
Sunroom L4/Pantry	Timber on Concrete slab	0.3	
Hall/stair/void/Living/dining/kitchen	Timber on Concrete slab	24.0	
Hall/stair/void/Hall to lift FF	Timber on Concrete slab	1.6	
Basement store/Ground	Concrete Slab 200 mm: bare/bare	39.5	
Bath basement/Ground	Concrete Slab 200 mm: ceramic tiles/bare	6.6	Ceramic tile
Ensuite Bed 3/Basement store	Concrete Slab 200 mm: ceramic tiles/plasterboard	4.4	Ceramic tile
Hall to Bed 3/cinema/Basement store	Concrete Slab 200 mm: carpet/plasterboard	2.0	Carpet 10 + felt underlay 10
Hall to Bed 3/cinema/Stair/Hall basement	Concrete Slab 200 mm: carpet/plasterboard	0.3	Carpet 10 + felt underlay 10
Hall to lift FF/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	1.6	
Linen FF/Powder	Timber on Concrete slab	2.3	
Linen FF/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	0.7	

Ceiling type

Location	Construction	Added insulation	Roof space above
Games/rumpus/Garage/pool/plantroom	Concrete Slab 200 mm: ceramic tiles/plasterboard		No
Bed 1/Garage/pool/plantroom	Concrete Slab 200 mm: carpet/plasterboard		No
Bath GF/Garage/pool/plantroom	Concrete Slab 200 mm: ceramic tiles/plasterboard		No
Bed 2/Garage/pool/plantroom	Concrete Slab 200 mm: carpet/plasterboard		No
Entry/Hall/stair/store/linen GF/Garage/pool/plantroom	Concrete Slab 200 mm: carpet/plasterboard		No

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Gym Ensuite/Garage/pool/plantroom	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Gym/Garage/pool/plantroom	Timber on Concrete slab	No
Powder/Garage/pool/plantroom	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Study GF/Garage/pool/plantroom	Timber on Concrete slab	No
Entry/Hall/stair/store/linen GF/Stair/Hall basement	Concrete Slab 200 mm: carpet/plasterboard	No
Bed 3/Stair/Hall basement	Concrete Slab 200 mm: carpet/plasterboard	No
cinema room/Stair/Hall basement	Concrete Slab 200 mm: carpet/plasterboard	No
Hall to Bed 3/cinema/Stair/Hall basement	Concrete Slab 200 mm: carpet/plasterboard	No
Lift GF/Lift basement	Concrete Slab 200 mm: ceramic tiles/bare	No
Living/dining/kitchen/Games/rumpus	Timber on Concrete slab	No
Study FF/Bed 1	Timber on Concrete slab	No
Living/dining/kitchen/Bed 1	Timber on Concrete slab	No
Sunroom FF/Bath GF	Timber on Concrete slab	No
Laundry/Bath GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Powder FF/Bath GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Sunroom FF/Bed 2	Timber on Concrete slab	No
Laundry/Bed 2	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Living/dining/kitchen/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	No
Sunroom FF/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	No
Laundry/Entry/Hall/stair/store/linen GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Powder FF/Entry/Hall/stair/store/linen GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Study FF/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	No
Hall to lift FF/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	No
Linen FF/Entry/Hall/stair/store/linen GF	Timber on Concrete slab	No
Lift FF/Lift GF	Concrete Slab 200 mm: ceramic tiles/plasterboard	No

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Living/dining/kitchen/cinema room	Timber on Concrete slab	No
Pantry/cinema room	Timber on Concrete slab	No
Living/dining/kitchen/Bed 3	Timber on Concrete slab	No
Pantry/Bed 3	Timber on Concrete slab	No
Living/dining/kitchen/Gym Ensuite	Timber on Concrete slab	No
Living/dining/kitchen/Gym	Timber on Concrete slab	No
Living/dining/kitchen/Powder	Timber on Concrete slab	No
Powder FF/Powder	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Linen FF/Powder	Timber on Concrete slab	No
Living/dining/kitchen/Study GF	Timber on Concrete slab	No
Study FF/Study GF	Timber on Concrete slab	No
Master Bed/Living/dining/kitchen	Concrete Slab 200 mm: carpet/plasterboard	No
Sunroom L4/Living/dining/kitchen	Timber on Concrete slab	No
Hall/stair/void/Living/dining/kitchen	Timber on Concrete slab	No
Sunroom L4/Pantry	Timber on Concrete slab	No
Lift L4/Lift FF	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Ensuite L4/Sunroom FF	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Master Bed/Laundry	Concrete Slab 200 mm: carpet/plasterboard	No
Master Bed/Powder FF	Concrete Slab 200 mm: carpet/plasterboard	No
Master Bed/Study FF	Concrete Slab 200 mm: carpet/plasterboard	No
cinema room/Basement store	Concrete Slab 200 mm: carpet/plasterboard	No
Bed 3/Basement store	Concrete Slab 200 mm: carpet/plasterboard	No
Ensuite Bed 3/Basement store	Concrete Slab 200 mm: ceramic tiles/plasterboard	No
Hall to Bed 3/cinema/Basement store	Concrete Slab 200 mm: carpet/plasterboard	No
Bed 3/Bath basement	Concrete Slab 200 mm: carpet/plasterboard	No
Living/dining/kitchen/Ensuite Bed 3	Timber on Concrete slab	No
Pantry/Ensuite Bed	Timber on Concrete slab	No
Living/dining/kitchen/Hall to Bed 3/cinema	Timber on Concrete slab	No
Hall/stair/void/Hall to lift FF	Timber on Concrete slab	No

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24 May 2019

★ Star rating:

4.8



Building features continued

Master Bed/Linen Concrete Slab 200 mm: carpet/plasterboard FF No

Ceiling penetrations

Location	Number	Type	Diameter (mm)	Sealed/unsealed
Garage/pool/plantroom	57	Downlight		Sealed
Stair/Hall basement	13	Downlight		Sealed
Lift basement	1	Downlight		Sealed
Games/rumpus	9	Downlight		Sealed
Bed 1	3	Downlight		Sealed
Bath GF	1	Downlight		Sealed
Bath GF	1	Ceiling exhaust fan	300	Sealed
Bed 2	3	Downlight		Sealed
Entry/Hall/stair/store/linen GF	22	Downlight		Sealed
Lift GF	1	Downlight		Sealed
cinema room	9	Downlight		Sealed
Bed 3	3	Downlight		Sealed
Gym Ensuite	2	Downlight		Sealed
Gym Ensuite	1	Ceiling exhaust fan	300	Sealed
Gym	5	Downlight		Sealed
Powder	1	Downlight		Sealed
Powder	1	Ceiling exhaust fan	300	Sealed
Study GF	2	Downlight		Sealed
Living/dining/kitchen	13	Downlight		Sealed
Living/dining/kitchen	1	Ceiling exhaust fan	300	Sealed
Lift FF	1	Downlight		Sealed
Sunroom FF	4	Downlight		Sealed
Laundry	2	Downlight		Sealed
Powder FF	1	Downlight		Sealed
Powder FF	1	Ceiling exhaust fan	300	Sealed
Study FF	5	Downlight		Sealed
Ensuite L4	1	Ceiling exhaust fan	300	Sealed

Ceiling fans

Location	Number	Diameter (mm)
None Present		

Roof type

Nationwide House Energy Rating Scheme* Certificate

Certificate number: **0003886496**

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24 May 2019

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4.8



Building features continued

Construction	Added insulation	Roof colour
concrete/insulated	R3.0	Medium
Kingspan k-Dek	R5.1	Medium

Nationwide House Energy Rating Scheme* Certificate

Certificate number: 0003886496

Certificate Date: 24 May 2019

★ Star rating: 4.8



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

For more information on energy efficient design and insulation visit www.yourhome.gov.au