

# BASIX<sup>®</sup>Certificate

Building Sustainability Index [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

## Multi Dwelling

Certificate number: 1096463M\_05

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 10/09/2020 published by the Department. This document is available at [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

This certificate is a revision of certificate number 1096463M\_02 lodged with the consent authority or certifier on 11 September 2020 with application DA-779/2020.

It is the responsibility of the applicant to verify with the consent authority that the original, or any revised certificate, complies with the requirements of Schedule 1 Clause 2A, 4A or 6A of the Environment Planning and Assessment Regulation 2000

Secretary

Date of issue: Thursday, 10 October 2024

To be valid, this certificate must be lodged within 3 months of the date of issue.



### Project summary

Project name	221-235 Homer St Earlwood_05
Street address	221-235 HOMER STREET EARLWOOD 2206
Local Government Area	CANTERBURY-BANKSTOWN
Plan type and plan number	Deposited Plan 747279
Lot no.	101
Section no.	-
No. of residential flat buildings	1
No. of units in residential flat buildings	85
No. of multi-dwelling houses	0
No. of single dwelling houses	0

### Project score

Water	✓ 40	Target 40
Thermal Comfort	✓ Pass	Target Pass
Energy	✓ 33	Target 25

### Certificate Prepared by

Name / Company Name: Building & Energy Consultants Australia

ABN (if applicable): 92122407783

# Description of project

Project address	
Project name	221-235 Homer St Earlwood_05
Street address	221-235 HOMER STREET EARLWOOD 2206
Local Government Area	CANTERBURY-BANKSTOWN
Plan type and plan number	Deposited Plan 747279
Lot no.	101
Section no.	-
Project type	
No. of residential flat buildings	1
No. of units in residential flat buildings	85
No. of multi-dwelling houses	0
No. of single dwelling houses	0
Site details	
Site area (m²)	3645
Roof area (m²)	1622
Non-residential floor area (m²)	2191
Residential car spaces	118
Non-residential car spaces	81

Common area landscape		
Common area lawn (m²)	57.00	
Common area garden (m²)	357.00	
Area of indigenous or low water use species (m²)	112.00	
Assessor details and thermal loads		
Assessor number	DMN/20/1999	
Certificate number	0006941150	
Climate zone	56	
Ceiling fan in at least one bedroom	Yes	
Ceiling fan in at least one living room or other conditioned area	Yes	
Project score		
Water	✔ 40	Target 40
Thermal Comfort	✔ Pass	Target Pass
Energy	✔ 33	Target 25

## Description of project

The tables below describe the dwellings and common areas within the project

### Residential flat buildings - Building1, 85 dwellings, 7 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
A1.01	3	99.70	0.00	0.00	0
A1.05	1	59.90	0.00	0.00	0
A2.02	2	83.90	0.00	0.00	0
A2.06	3	104.00	0.00	0.00	0
A3.03	2	76.40	0.00	0.00	0
A3.07	1	46.90	0.00	10.00	0
A4.04	1	59.90	0.00	0.00	0
A5.02	2	76.4	0	0	0
A5.06	1	50.1	0	0	0
A6.04	1	59.9	0	0	0
B1.02	2	89.40	0.00	0.00	0
B1.06	3	110.50	0.00	0.00	0
B2.04	2	79.10	0.00	0.00	0
B3.02	1	57.50	0.00	17.00	0
B4.01	2	100.20	0.00	0.00	0
B4.05	3	107.70	0.00	0.00	0
B5.04	1	50.6	0	0	0
C1.01	2	82.90	0.00	0.00	0
C1.05	2	82.10	4.40	9.00	0
C3.01	2	80.10	0.00	3.00	0
C4.02	2	74.1	0.00	0.00	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
A1.02	2	83.90	0.00	0.00	0
A1.06	3	104.00	0.00	0.00	0
A2.03	2	76.40	0.00	0.00	0
A2.07	2	81.70	0.00	0.00	0
A3.04	2	76.40	0.00	0.00	0
A4.01	3	103.00	0.00	0.00	0
A4.05	3	104.1	0.00	0.00	0
A5.03	2	76.4	0	0	0
A6.01	3	103	0	0	0
A6.05	3	104.1	0	0	0
B1.03	3	108.90	0.00	0.00	0
B2.01	3	99.90	0.00	0.00	0
B2.05	1	53.90	0.00	0.00	0
B3.03	2	79.10	0.00	0.00	0
B4.02	1	57.50	0.00	0.00	0
B5.01	2	100.1	0	0	0
B5.05	3	107.7	0	0	0
C1.02	2	91.70	0.00	0.00	0
C2.01	2	76.30	0.00	0.00	0
C3.02	2	71.30	0.00	4.00	0
C4.03	2	75.60	0.00	0.00	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
A1.03	2	76.10	0.00	0.00	0
A1.07	2	82.00	0.00	0.00	0
A2.04	2	76.40	0.00	0.00	0
A3.01	1	60.10	0.00	17.00	0
A3.05	1	59.90	0.00	0.00	0
A4.02	2	76.40	0.00	0.00	0
A4.06	1	50.1	0.00	0.00	0
A5.04	1	59.9	0	0	0
A6.02	2	76.4	0	0	0
A6.06	1	50.1	0	0	0
B1.04	2	79.10	0.00	0.00	0
B2.02	2	89.40	0.00	0.00	0
B2.06	3	110.50	0.00	0.00	0
B3.04	1	50.60	0.00	0.00	0
B4.03	2	79.10	0.00	0.00	0
B5.02	1	57.5	0	0	0
B6.01	2	100.1	0	0	0
C1.03	2	79.20	0.00	0.00	0
C2.02	2	71.30	0.00	0.00	0
C3.03	2	75.60	0.00	0.00	0
C5.01	2	80.9	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
A1.04	1	54.20	0.00	0.00	0
A2.01	3	99.10	0.00	0.00	0
A2.05	1	59.90	0.00	0.00	0
A3.02	2	83.90	0.00	0.00	0
A3.06	3	104.00	0.00	2.00	0
A4.03	2	76.40	0.00	0.00	0
A5.01	3	103.0	0	0	0
A5.05	3	104.1	0	0	0
A6.03	2	76.4	0	0	0
B1.01	3	99.90	0.00	0.00	0
B1.05	1	51.00	0.00	0.00	0
B2.03	3	108.90	0.00	0.00	0
B3.01	2	100.50	0.00	28.00	0
B3.05	3	107.70	0.00	3.00	0
B4.04	1	50.60	0.00	0.00	0
B5.03	2	79.1	0	0	0
B6.02	3	103.6	0	0	0
C1.04	2	75.60	0.00	12.00	0
C2.03	2	75.60	0.00	0.00	0
C4.01	2	80.9	0.00	0.00	0
C5.02	2	74.1	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
C5.03	2	75.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)

# Description of project

The tables below describe the dwellings and common areas within the project

## Common areas of unit building - Building1

Common area	Floor area (m²)	Common area	Floor area (m²)	Common area	Floor area (m²)
Car park - Basement 1, 2 & 3	7273.1	Lift car (No. 1)	0.00	Lift car (No. 2)	0.00
Residential bin rooms - B2 & B3	41.7	Resi waste holding room/bulky waste B1	51.5	Mechanical rooms B2 & B3	69
Sprinkler pump room	39.40	MDF B2 & B3	73.0	Clean B2 & B3	7.3
Ground floor lobby A	31.90	Ground floor lobby B	31.00	Ground floor lobby C	34.70
Hallway/lobby A L1 to L6	304.20	Hallway/lobby B L1 to L6	221.5	Hallway/lobby C L1 to L5	89.7
Lift car (No. 3)	-				

# Schedule of BASIX commitments

## 1. Commitments for Residential flat buildings - Building1

### (a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Comfort

### (b) Common areas and central systems/facilities

(i) Water

(ii) Energy

## 2. Commitments for single dwelling houses

## 3. Commitments for multi-dwelling houses

## 4. Commitments for common areas and central systems/facilities for the development (non-building specific)

### (a) Common areas and central systems/facilities

(i) Water

(ii) Energy

## Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

### 1. Commitments for Residential flat buildings - Building1

#### (a) Dwellings

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.			
(b) The applicant must plant indigenous or low water use species of vegetation throughout the area of land specified for the dwelling in the "Indigenous species" column of the table below, as private landscaping for that dwelling. (This area of indigenous vegetation is to be contained within the "Area of garden and lawn" for the dwelling specified in the "Description of Project" table).	✓	✓	
(c) If a rating is specified in the table below for a fixture or appliance to be installed in the dwelling, the applicant must ensure that each such fixture and appliance meets the rating specified for it.		✓	✓
(d) The applicant must install an on demand hot water recirculation system which regulates all hot water use throughout the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below.		✓	✓
(e) The applicant must install: <div style="margin-left: 20px;">(aa) a hot water diversion system to all showers, kitchen sinks and all basins in the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below; and</div> <div style="margin-left: 20px;">(bb) a separate diversion tank (or tanks) connected to the hot water diversion systems of at least 100 litres. The applicant must connect the hot water diversion tank to all toilets in the dwelling.</div>		✓ ✓	✓ ✓
(e) The applicant must not install a private swimming pool or spa for the dwelling, with a volume exceeding that specified for it in the table below.	✓	✓	
(f) If specified in the table, that pool or spa (or both) must have a pool cover or shading (or both).		✓	
(g) The pool or spa must be located as specified in the table.	✓	✓	
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in the table below. Each system must be configured to collect run-off from the areas specified (excluding any area which supplies any other alternative water supply system), and to divert overflow as specified. Each system must be connected as specified.	✓	✓	✓

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
A5.01, A5.02, A5.03, A5.04, A5.05, A5.06, A6.01, A6.02, A6.03, A6.04, A6.05, A6.06, B5.01, B5.02, B5.03, B5.04, B5.05, B6.01, B6.02, C5.01, C5.02, C5.03	4 star (> 6 but <= 7.5 L/min)	4 star	4 star	5 star	-	not specified	5 star	-	-	-	-	-	-	-
All other dwellings	4 star (> 6 but <= 7.5 L/min)	4 star	4 star	5 star	no	not specified	5 star	-	-	-	-	-	-	-

	Alternative water source							
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
All dwellings	No alternative water supply	-	-	-	-	-	-	-



(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.			
(b) The applicant must install each hot water system specified for the dwelling in the table below, so that the dwelling's hot water is supplied by that system. If the table specifies a central hot water system for the dwelling, then the applicant must connect that central system to the dwelling, so that the dwelling's hot water is supplied by that central system.	✓	✓	✓
(c) The applicant must install, in each bathroom, kitchen and laundry of the dwelling, the ventilation system specified for that room in the table below. Each such ventilation system must have the operation control specified for it in the table.		✓	✓
(d) The applicant must install the cooling and heating system/s specified for the dwelling under the "Living areas" and "Bedroom areas" headings of the "Cooling" and "Heating" columns in the table below, in/for at least 1 living/bedroom area of the dwelling. If no cooling or heating system is specified in the table for "Living areas" or "Bedroom areas", then no systems may be installed in any such areas. If the term "zoned" is specified beside an air conditioning system, then the system must provide for day/night zoning between living areas and bedrooms.		✓	✓
(e) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Artificial lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that the "primary type of artificial lighting" for each such room in the dwelling is fluorescent lighting or light emitting diode (LED) lighting. If the term "dedicated" is specified for a particular room or area, then the light fittings in that room or area must only be capable of being used for fluorescent lighting or light emitting diode (LED) lighting.		✓	✓
(f) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Natural lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that each such room or area is fitted with a window and/or skylight.	✓	✓	✓
(g) This commitment applies if the applicant installs a water heating system for the dwelling's pool or spa. The applicant must: (aa) install the system specified for the pool in the "Individual Pool" column of the table below (or alternatively must not install any system for the pool). If specified, the applicant must install a timer, to control the pool's pump; and (bb) install the system specified for the spa in the "Individual Spa" column of the table below (or alternatively must not install any system for the spa). If specified, the applicant must install a timer to control the spa's pump.		✓ ✓	
(h) The applicant must install in the dwelling: (aa) the kitchen cook-top and oven specified for that dwelling in the "Appliances & other efficiency measures" column of the table below; (bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and (cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓ ✓ ✓	✓
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	Central hot water system (No. 1)	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off

	Cooling		Heating		Artificial lighting						Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or diningroom	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
A6.06	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1	1	-	yes	yes	yes	0	no
C1.03	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	2	1	yes	yes	yes	yes	0	yes
C5.03	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	2	1	yes	yes	yes	-	0	no
B1.01, B2.01	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	3	1	yes	yes	yes	yes	1	no
C2.01, C3.02	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	2	1	yes	yes	yes	yes	1	no
A4.01, A5.01, A6.01	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	3	1	yes	yes	yes	yes	0	yes
C1.05, C2.03,	1-phase airconditioning /	1-phase airconditioning /	1-phase airconditioning /	1-phase airconditioning /	2	1	yes	yes	yes	yes	2	no

	Cooling		Heating		Artificial lighting						Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or diningroom	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
C3.03, C4.03	EER 3.0 - 3.5(zoned)	EER 3.0 - 3.5(zoned)	EER 3.0 - 3.5(zoned)	EER 3.0 - 3.5(zoned)								
A3.01, A3.07, B3.02, B4.02, B5.02	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1	1	yes	yes	yes	yes	0	yes
B3.01, B4.01, B5.01, B6.01, C1.04	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	2	1	yes	yes	yes	yes	1	yes
A1.04, A1.05, A2.05, A3.05, A4.06, A5.04, A5.06, A6.04, B1.05, B2.05, B3.04, B4.04, B5.04	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1	1	yes	yes	yes	yes	0	no
A1.01, A1.06, A2.01, A2.06, A3.06, A4.05, A5.05, A6.05, B1.03, B1.06, B2.02, B2.03,	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	3	1	yes	yes	yes	yes	0	no

	Cooling		Heating		Artificial lighting						Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or diningroom	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
B2.06, B3.05, B4.05, B5.05, B6.02												
All other dwellings	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	1-phase airconditioning / EER 3.0 - 3.5(zoned)	2	1	yes	yes	yes	yes	0	no

	Individual pool		Individual spa		Appliances & other efficiency measures							
Dwelling no.	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/ oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
A5.01, A5.02, A5.03, A5.04, A5.05, A5.06, A6.01, A6.02, A6.03, A6.04, A6.05, A6.06, B5.01, B5.02, B5.03, B5.04, B5.05, B6.01, B6.02,	-	-	-	-	gas cooktop & electric oven	-	-	3.5 star	-	-	-	-

	Individual pool		Individual spa		Appliances & other efficiency measures							
Dwelling no.	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/ oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
C5.01, C5.02, C5.03												
All other dwellings	-	-	-	-	gas cooktop & electric oven	-	-	3.5 star	-	-	-	-

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
(c) The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX Certificate, including the details shown in the "Thermal Loads" table below.			
(d) The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Thermal Comfort Protocol requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor, to certify that this is the case.	✓		
(e) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.		✓	
(f) The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		✓	✓
(g) Where there is an in-slab heating or cooling system, the applicant must:  (aa) Install insulation with an R-value of not less than 1.0 around the vertical edges of the perimeter of the slab; or (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(i) The applicant must show on the plans accompanying the development application for the proposed development, the locations of ceiling fans set out in the Assessor Certificate.	✓		
(j) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), the locations of ceiling fans set out in the Assessor Certificate.		✓	

	Thermal loads	
Dwelling no.	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)
A1.01	40.30	22.80
A1.02	21.10	16.70
A1.03	22.40	18.40
A1.04	15.50	27.50
A1.06	33.30	15.70
A1.07	37.30	18.10
A2.01	42.90	24.80
A2.02	19.60	16.90
A2.03	19.00	19.10
A2.04	14.70	19.30
A2.06	33.30	16.00
A2.07	41.40	23.60
A3.01	30.30	21.30
A3.02	19.60	16.80
A3.03	19.40	16.90
A3.04	17.40	20.20
A3.05	19.20	25.20
A3.06	31.40	19.40
A3.07	25.40	28.70
A4.01	31.9	28.7
A4.02	25.1	14.1
A4.03	17.8	15.0
A4.04	21.9	21.7
A4.05	30.5	18.9

	Thermal loads	
Dwelling no.	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)
A4.06	28.0	16.1
A5.01	31.3	29.1
A5.02	25.2	13.4
A5.03	18.5	14.6
A5.04	22.7	21.7
A5.05	31.1	18.9
A5.06	31.8	16.4
A6.01	37.4	27.7
A6.02	29.7	12.2
A6.03	23.3	13.1
A6.04	23.2	21.1
A6.05	39.9	17.0
A6.06	36.8	15.3
B1.01	33.30	22.50
B1.02	45.20	27.40
B1.03	21.20	26.90
B1.04	25.40	27.50
B1.05	8.40	29.40
B1.06	11.50	19.90
B2.01	44.40	21.90
B2.02	36.70	23.90
B2.03	31.00	25.00
B2.04	26.50	26.50
B2.05	9.00	28.80
B2.06	12.90	25.60
B3.01	40.40	12.60
B3.02	24.20	25.00
B3.03	28.10	26.00
B3.04	4.80	29.50
B3.05	12.40	20.80
B4.01	44.7	24.4

	Thermal loads	
Dwelling no.	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)
B4.02	25.5	28.2
B4.03	30.4	21.0
B4.04	6.1	28.2
B4.05	14.5	17.8
B5.01	45.4	24.2
B5.02	25.7	28.2
B5.03	40.8	22.6
B5.04	13.9	25.8
B5.05	24.4	23.6
B6.01	34.4	18.9
B6.02	36.0	18.8
C1.01	26.10	21.40
C1.02	38.00	12.20
C1.03	42.60	26.60
C1.04	43.60	26.10
C1.05	38.50	16.00
C2.01	14.10	29.10
C2.02	17.30	21.30
C2.03	39.80	25.70
C3.01	13.70	22.90
C3.02	16.70	26.40
C3.03	12.40	25.90
C4.01	16.6	20.1
C4.02	17.4	19.2
C4.03	15.5	27.6
C5.01	26.4	26.9
C5.02	26.6	15.8
C5.03	23.7	24.5
All other dwellings	18.20	25.40



**(b) Common areas and central systems/facilities**

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a showerhead, toilet, tap or clothes washer into a common area, then that item must meet the specifications listed for it in the table.		✓	✓
(b) The applicant must install (or ensure that the development is serviced by) the alternative water supply system(s) specified in the "Central systems" column of the table below. In each case, the system must be sized, be configured, and be connected, as specified in the table.	✓	✓	✓
(c) A swimming pool or spa listed in the table must not have a volume (in kLs) greater than that specified for the pool or spa in the table.	✓	✓	
(d) A pool or spa listed in the table must have a cover or shading if specified for the pool or spa in the table.		✓	
(e) The applicant must install each fire sprinkler system listed in the table so that the system is configured as specified in the table.		✓	✓
(f) The applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		✓	✓

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	no common facility	no common facility	4 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Central water tank - rainwater or stormwater (No. 1)	5000.00	To collect run-off from at least: - 269.00 square metres of roof area of buildings in the development - 0.00 square metres of impervious area in the development - 0.00 square metres of garden/lawn area in the development - 0.00 square metres of planter box area in the development (excluding, in each case, any area which drains to, or supplies, any other alternative water supply system).	- irrigation of 200.00 square metres of common landscaped area on the site
Fire sprinkler system (No. 1)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-
Fire sprinkler system (No. 2)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a ventilation system to service a common area specified in the table below, then that ventilation system must be of the type specified for that common area, and must meet the efficiency measure specified.		✓	✓
(b) In carrying out the development, the applicant must install, as the "primary type of artificial lighting" for each common area specified in the table below, the lighting specified for that common area. This lighting must meet the efficiency measure specified. The applicant must also install a centralised lighting control system or Building Management System (BMS) for the common area, where specified.		✓	✓
(c) The applicant must install the systems and fixtures specified in the "Central energy systems" column of the table below. In each case, the system or fixture must be of the type, and meet the specifications, listed for it in the table.	✓	✓	✓

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Car park - Basement 1, 2 & 3	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	motion sensors	-
Lift car (No. 1)	-	-	light-emitting diode	connected to lift call button	-
Lift car (No. 2)	-	-	light-emitting diode	connected to lift call button	-
Residential bin rooms - B2 & B3	ventilation exhaust only	-	light-emitting diode	motion sensors	-
Resi waste holding room/ bulky waste B1	ventilation exhaust only	-	light-emitting diode	motion sensors	-
Mechanical rooms B2 & B3	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	-
Sprinkler pump room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	-
MDF B2 & B3	no mechanical ventilation	-	light-emitting diode	motion sensors	-
Clean B2 & B3	no mechanical ventilation	-	light-emitting diode	manual on / manual off	-
Ground floor lobby A	no mechanical ventilation	-	light-emitting diode	motion sensors	-
Ground floor lobby B	no mechanical ventilation	-	light-emitting diode	motion sensors	-
Ground floor lobby C	no mechanical ventilation	-	light-emitting diode	motion sensors	-
Hallway/lobby A L1 to L6	no mechanical ventilation	-	light-emitting diode	motion sensors	-
Hallway/lobby B L1 to L6	no mechanical ventilation	-	light-emitting diode	motion sensors	-
Hallway/lobby C L1 to L5	no mechanical ventilation	-	light-emitting diode	motion sensors	-
Lift car (No. 3)	-	-	light-emitting diode	connected to lift call button	-

Central energy systems	Type	Specification
Lift (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 9
Lift (No. 2)	gearless traction with V V V F motor	Number of levels (including basement): 10
Lift (No. 3)	gearless traction with V V V F motor	Number of levels (including basement): 9
Central hot water system (No. 1)	gas instantaneous	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm)

## 4. Commitments for common areas and central systems/facilities for the development (non-building specific)

### (a) Common areas and central systems/facilities

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a showerhead, toilet, tap or clothes washer into a common area, then that item must meet the specifications listed for it in the table.		✓	✓
(b) The applicant must install (or ensure that the development is serviced by) the alternative water supply system(s) specified in the "Central systems" column of the table below. In each case, the system must be sized, be configured, and be connected, as specified in the table.	✓	✓	✓
(c) A swimming pool or spa listed in the table must not have a volume (in kLs) greater than that specified for the pool or spa in the table.	✓	✓	
(d) A pool or spa listed in the table must have a cover or shading if specified for the pool or spa in the table.		✓	
(e) The applicant must install each fire sprinkler system listed in the table so that the system is configured as specified in the table.		✓	✓
(f) The applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		✓	✓

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	no common facility	no common facility	4 star	no common laundry facility

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a ventilation system to service a common area specified in the table below, then that ventilation system must be of the type specified for that common area, and must meet the efficiency measure specified.		✓	✓
(b) In carrying out the development, the applicant must install, as the "primary type of artificial lighting" for each common area specified in the table below, the lighting specified for that common area. This lighting must meet the efficiency measure specified. The applicant must also install a centralised lighting control system or Building Management System (BMS) for the common area, where specified.		✓	✓
(c) The applicant must install the systems and fixtures specified in the "Central energy systems" column of the table below. In each case, the system or fixture must be of the type, and meet the specifications, listed for it in the table.	✓	✓	✓

Central energy systems	Type	Specification
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 21.00 peak kW
Other	-	-

## Notes

1. In these commitments, "applicant" means the person carrying out the development.
2. The applicant must identify each dwelling, building and common area listed in this certificate, on the plans accompanying any development application, and on the plans and specifications accompanying the application for a construction certificate / complying development certificate, for the proposed development, using the same identifying letter or reference as is given to that dwelling, building or common area in this certificate.
3. This note applies if the proposed development involves the erection of a building for both residential and non-residential purposes (or the change of use of a building for both residential and non-residential purposes). Commitments in this certificate which are specified to apply to a "common area" of a building or the development, apply only to that part of the building or development to be used for residential purposes.
4. If this certificate lists a central system as a commitment for a dwelling or building, and that system will also service any other dwelling or building within the development, then that system need only be installed once (even if it is separately listed as a commitment for that other dwelling or building).
5. If a star or other rating is specified in a commitment, this is a minimum rating.
6. All alternative water systems to be installed under these commitments (if any), must be installed in accordance with the requirements of all applicable regulatory authorities. NOTE: NSW Health does not recommend that stormwater, recycled water or private dam water be used to irrigate edible plants which are consumed raw, or that rainwater be used for human consumption in areas with potable water supply.

## Legend

1. Commitments identified with a "✔" in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).
2. Commitments identified with a "✔" in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.
3. Commitments identified with a "✔" in the "Certifier check" column must be certified by a certifying authority as having been fulfilled. (Note: a certifying authority must not issue an occupation certificate (either interim or final) for a building listed in this certificate, or for any part of such a building, unless it is satisfied that each of the commitments whose fulfilment it is required to monitor in relation to the building or part, has been fulfilled).

# NatHERS - THERMAL COMFORT SUMMARY



Address: 221-235 & 241 Homer Street Earlwood 2206		Date: 10/10/2024
Software: BERS Pro v4.4	Certificate No.: 0006941150	Star rating: 6.3
Building Elements	Material	Detail
External walls – Levels 1 & 2	Brick veneer	R2.5 insulation ( <i>product value</i> )
External walls – Levels 3 to 6	Lightweight metal cladded walls	R2.5 insulation ( <i>product value</i> )
Internal walls within units	Plasterboard on studs	-
Common walls between units & Corridors	Hebel + stud + Plasterboard	-
Common walls between units	Hebel + stud + Plasterboard	-
Common walls between units and lift shaft/fire stairs	200mm concrete	-
Ceilings to nominated units	Plasterboard	R1.5 insulation ( <i>product value</i> ) to ceilings with roof to outside air units – <b>A2.01, A2.07, A3.02, B2.01, B202, B2.03, C1.02, C1.03, C1.04, C1.05</b>
Ceilings to top floor units	Plasterboard	R2.5 insulation ( <i>product value</i> ) to ceilings with roof above – <b>B5.04, B5.05, C5.01, C5.02, C5.03 &amp; Level 6 units</b>
Floors	Concrete	-
Roof	Concrete roof	-
Windows/Doors to all units except as stated below	<b><u>Sliding windows/doors, fixed &amp; louvre windows:</u></b> Aluminium frame, single glazed clear	U value 6.70 or less and SHGC 0.70 +/- 10%
	<b><u>Awning windows:</u></b> Aluminium frame, single glazed clear	U value 6.70 or less and SHGC 0.57 +/- 10%
Windows/Doors to units – <b>A3.01, A307, A4.01, A4.06, A5.01, A5.06, A6.01, A6.06, B1.03, B1.05, B2.02, B2.03, B2.05, B3.01, B3.02, B3.04, B4.02, B4.04, B5.02, B5.04, B6.01, B.602, C1.02, C1.03</b>	<b><u>Sliding windows/doors, fixed windows:</u></b> Aluminium frame, double glazed low e or similar	U value 4.30 or less and SHGC 0.53 +/- 10%
	<b><u>Awning windows:</u></b> Aluminium frame, single glazed low e or similar	U value 5.40 or less and SHGC 0.49 +/- 10%
Ceiling fans	<ul style="list-style-type: none"><li>1200mm ceiling fans to Living and bedrooms – Units B1.03, 2.03</li><li>1200mm ceiling fans to Living only – Units B3.02, B4.02, B5.02, B6.02</li></ul>	
<b><u>Lighting: Units have been rated with non-ventilated LED downlights as per NatHERS Certificates.</u></b>		
<b><u>Note: In some climate zones, insulation should be installed with due consideration of condensation and associated interaction with adjoining building materials.</u></b>		
<b><u>Note: Self-closing damper to bathroom and ensuite exhaust fans.</u></b>		
<b><u>Note: Additional insulation may be required to meet acoustic requirements</u></b>		
<b><u>Building &amp; Energy Consultants Australia dissolves itself from any responsibility associated with the selection of insulation, sarking type materials, thermal breaks and other componentry which fail to comply with the fire safety requirement provisions under Part C of the BCA</u></b>		

# Nationwide House Energy Rating Scheme — Class 2 summary

## NatHERS Certificate No. 0006941150

Generated on 10 Oct 2024 using BERS Pro v4.4.0.6 (3.21)

### Property

**Address** 221-235 241 Homer Street,  
Earlwood , NSW , 2206

**Lot/DP** 101/747279

**NatHERS climate zone** 56

### Accredited assessor



Thomas Ruck

Building Energy Consultants Australia

thomas@beca.net.au

9533 2388

**Accreditation No.** DMN/20/1999

**Assessor Accrediting Organisation** Design Matters National



### Verification

To verify this certificate, scan the QR code or visit [hstar.com.au/QR/Generate?p=uHWhLPwr](https://hstar.com.au/QR/Generate?p=uHWhLPwr). When using either link, ensure you are visiting [hstar.com.au](https://hstar.com.au)

### Summary of all dwellings

Certificate number and link	Unit Number	Heating load (MJ/m <sup>2</sup> /p.a.)	Cooling load (MJ/m <sup>2</sup> /p.a.)	Total load (MJ/m <sup>2</sup> /p.a.)	Star rating
<a href="#">0006940316</a>	A1.01	40.3	22.8	63.2	5.2
<a href="#">0006940498</a>	A1.02	21.1	16.7	37.7	7.1
<a href="#">0006940506</a>	A1.03	22.4	18.4	40.7	6.9
<a href="#">0006940514</a>	A1.04	15.5	27.5	43	6.7
<a href="#">0006940522</a>	A1.05	18.2	25.4	43.7	6.6

### National Construction Code (NCC) requirements

*Continued Over*

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](https://www.abcb.gov.au).

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



## Summary of all dwellings (continued)

Certificate number and link	Unit Number	Heating load (MJ/m <sup>2</sup> /p.a.)	Cooling load (MJ/m <sup>2</sup> /p.a.)	Total load (MJ/m <sup>2</sup> /p.a.)	Star rating
<a href="#">0008474165</a>	A1.06	33.3	15.7	49	6.2
<a href="#">0006940548</a>	A1.07	37.3	18.2	55.5	5.7
<a href="#">0006940555</a>	A2.01	42.9	24.8	67.7	4.9
<a href="#">0006940563</a>	A2.02	19.6	16.9	36.5	7.2
<a href="#">0006940571</a>	A2.03	19	19.1	38	7.1
<a href="#">0006940589</a>	A2.04	14.7	19.3	34	7.4
<a href="#">0006940597</a>	A2.05	18.8	25.4	44.2	6.6
<a href="#">0008474173</a>	A2.06	33.3	16	49.3	6.1
<a href="#">0006940613</a>	A2.07	41.4	23.6	65	5.1
<a href="#">0006940621</a>	A3.01	30.3	21.3	51.6	5.9
<a href="#">0006940639</a>	A3.02	19.6	16.8	36.5	7.2
<a href="#">0006940647</a>	A3.03	19.4	16.9	36.3	7.2
<a href="#">0006940654</a>	A3.04	33	18.4	51.5	5.9
<a href="#">0006940662</a>	A3.05	19.2	25.2	44.3	6.6
<a href="#">0008474181</a>	A3.06	31.4	19.4	50.8	6
<a href="#">0006940688</a>	A3.07	25.4	28.7	54	5.8
<a href="#">0009804931</a>	A4.01	31.9	28.7	60.6	5.3
<a href="#">0009804964</a>	A4.02	25.1	14.1	39.2	6.9
<a href="#">0009804998</a>	A4.03	17.8	15	32.8	7.4
<a href="#">0009805029</a>	A4.04	21.9	21.7	43.6	6.6
<a href="#">0009805052</a>	A4.05	30.5	18.9	49.4	6.1
<a href="#">0009805078</a>	A4.06	28	16.1	44.1	6.6
<a href="#">0009804949</a>	A5.01	31.3	29.1	60.4	5.3
<a href="#">0009804972</a>	A5.02	25.2	13.4	38.6	7
<a href="#">0009805003</a>	A5.03	18.5	14.6	33.1	7.4
<a href="#">0009805037</a>	A5.04	22.7	21.7	44.4	6.6
<a href="#">0009805060</a>	A5.05	31.1	18.9	50	6.1
<a href="#">0009804741</a>	A5.06	31.8	16.4	48.1	6.2
<a href="#">0009804766</a>	A6.01	37.4	27.7	65.2	5.1

<u>0009804774</u>	A6.02	29.7	12.2	41.9	6.8
<u>0009804790</u>	A6.03	23.3	13.1	36.5	7.2
<u>0009804816</u>	A6.04	23.2	21.1	44.4	6.6
<u>0009804832</u>	A6.05	39.9	17	56.9	5.6
<u>0009804857</u>	A6.06	36.8	15.3	52.1	5.9
<u>0006940753</u>	B1.01	33.3	22.5	55.8	5.7
<u>0008474207</u>	B1.02	45.2	27.4	72.7	4.6
<u>0008474215</u>	B1.03	21.2	26.9	48.1	6.2
<u>0006940787</u>	B1.04	25.7	27.1	52.8	5.9
<u>0006940795</u>	B1.05	8.4	29.4	37.8	7.1
<u>0006940803</u>	B1.06	11.5	19.9	31.4	7.5
<u>0006940811</u>	B2.01	44.4	21.9	66.2	4.9
<u>0008474223</u>	B2.02	36.7	23.9	60.6	5.3
<u>0008474231</u>	B2.03	31	25	56	5.6
<u>0006940845</u>	B2.04	26.5	26.5	53	5.9
<u>0008474249</u>	B2.05	9	28.8	37.8	7.1
<u>0006940860</u>	B2.06	12.9	25.6	38.6	7
<u>0006940878</u>	B3.01	40.4	12.8	53.2	5.8
<u>0006940886</u>	B3.02	24.3	25.8	50.1	6.1
<u>0006940894</u>	B3.03	28.1	26	54	5.8
<u>0006940902</u>	B3.04	4.8	29.5	34.4	7.3
<u>0006940910</u>	B3.05	12.4	20.8	33.2	7.4
<u>0009804873</u>	B4.01	44.7	24.4	69.1	4.8
<u>0009804899</u>	B4.02	25.5	28.2	53.7	5.8
<u>0009804915</u>	B4.03	30.4	21	51.5	5.9
<u>0009804923</u>	B4.04	6.1	28.2	34.3	7.3
<u>0009804733</u>	B4.05	14.5	17.8	32.3	7.4
<u>0009804758</u>	B5.01	45.4	24.2	69.6	4.8
<u>0009804782</u>	B5.02	25.7	28.2	53.9	5.8
<u>0009804808</u>	B5.03	40.8	22.6	63.4	5.2
<u>0009804824</u>	B5.04	13.9	25.8	39.7	6.9
<u>0009804840</u>	B5.05	24.4	23.6	48	6.2

<u>0009804865</u>	B6.01	34.4	18.9	53.3	5.8
<u>0009804881</u>	B6.02	36	18.8	54.8	5.7
<u>0006940977</u>	C1.01	26.1	21.2	47.3	6.3
<u>0006940985</u>	C1.02	38	12.2	50.3	6.1
<u>0006940993</u>	C1.03	42.6	26.6	69.2	4.8
<u>0006941009</u>	C1.04	43.6	26.1	69.7	4.8
<u>0006941017</u>	C1.05	38.5	16	54.5	5.7
<u>0006941025</u>	C2.01	14.1	29.1	43.2	6.6
<u>0006941033</u>	C2.02	17.3	24.9	42.2	6.7
<u>0006941041</u>	C2.03	39.8	25.7	65.5	5
<u>0006941058</u>	C3.01	13.7	22.9	36.6	7.2
<u>0006941066</u>	C3.02	16.7	26.4	43.1	6.7
<u>0006941074</u>	C3.03	12.4	25.8	38.2	7.1
<u>0009804907</u>	C4.01	16.6	20.1	36.7	7.2
<u>0009805086</u>	C4.02	17.4	19.2	36.6	7.2
<u>0009804956</u>	C4.03	15.5	27.6	43.1	6.7
<u>0009804980</u>	C5.01	26.4	26.9	53.3	5.8
<u>0009805011</u>	C5.02	26.6	15.8	42.4	6.7
<u>0009805045</u>	C5.03	23.7	24.5	48.2	6.2
Average		26.46	21.93	48.39	6.26

## Explanatory notes

### About this ratings

This summary rating is the average rating of all NCC Class 2 dwellings in a development. The individual dwellings' ratings are a comprehensive, dynamic computer modelling evaluation of a home, using the floorplans, elevations and specifications to estimate the 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. For more details about an individual dwelling's assessment, refer to the individual dwelling's NatHERS Certificate (accessible via link).

### 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). 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.

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, input and creation of the NatHERS Certificate is by the assessor. 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.