

BASIX Assessment Report

The Timberyards by RTL Co.

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continuing connection to land, waters, and community.
We pay our respect to them and their cultures, and to
Elders past, present, and emerging.



**Green Building
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Member 2022-2023

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1 Introduction

Atelier Ten have been engaged by RTLCo to complete a Building Sustainability Index (BASIX) Assessment Report for the development proposed at the Multiple Lots Bound By Victoria Road, Sydenham Road, Farr Street And Mitchell Street, Marrickville, New South Wales 2204.

The BASIX online tool was used to confirm compliance against Energy, Water, Materials and Thermal Comfort Targets, based on NSW benchmark levels on a per capita basis. The BASIX Assessment is divided into four sections: Water, Thermal Comfort, Materials and Energy, each independently measuring the efficiency of the development.

BASIX requires a minimum target of 40% for the water section, a pass or fail for the thermal comfort section, and a minimum required target of 60% for the energy section.

The BASIX inputs for this project were based on the Amended for 70% Tender Issue Revision I (issued 10/04/2026) alongside the NatHERS Certificate (issued 12-06-2026; Certificate no:Y65QHIFZ2).

Thermal Comfort

Thermal Comfort targets are set by the Department of Planning in the form of heating and cooling caps. The buildings thermal physics are measured using FirstRate5 (Version 5.5.5) Thermal Comfort Simulation Software. This calculates the expected level of energy required to heat and cool each dwelling per annum, expressed in megajoules per square metre of floor area (MJ/m²).

Each unit has individual heating and cooling caps applied. Accompanying these individual caps are average heating and cooling caps applied to the whole development. The average caps are lower, or harder to comply with than the individual unit caps.

Water

The proposed Development has achieved the BASIX Water Target of 40%. The water usage of the development is calculated based on the number and efficiency of permanent fixtures and appliances such as taps, showerheads and toilet, the dish washer and clothes washing machine.

The size of the rainwater tank and number of connections may have a significant impact on the water score as does the area of gardens and lawns whether or not low water plant species are incorporated.

Energy

The proposed development has achieved the Energy target of 60% to pass this section. The energy usage of the development is calculated based on the efficiency of fixed appliances that will be used. This includes the air-conditioning system, hot water

system, lighting, exhaust fans, cook top, oven, and clothes drying facilities.

Materials

The materials index in BASIX has been recently introduced to help further reduce embodied emissions of the materials utilised in constructing new buildings.

The BASIX material index calculator combines the input data of the dwelling size and volume. with the material selection for the floors, walls, ceiling, roof and glazing. Based upon the default data from the Environmental Performance in Construction (EPiC) database, the calculator then converts the volume of each construction material into embodied emissions.

Note: Changes to the design documentation specified above can affect the results of this BASIX assessment. As a result, the report and any results outlined should be subject to a review given any design development changes.

2 Thermal Comfort Assessment

The Thermal Comfort Assessment has been carried out in accordance with the 'BASIX Thermal Comfort Protocol'.

FirstRate5 (Version 5.5.5) thermal comfort simulation software has been used to demonstrate compliance against the thermal comfort targets (maximum loads) for individual dwellings set for the project's Climate Zone (refer to **Table 2.1 Thermal Comfort Targets**).

Table 2.1 Thermal Comfort Targets

	Max. Heating Load (MJ/m ²)	Max. Cooling Load (MJ/m ²)
Individual Dwellings	34.4	21.4
Average All Dwellings	28.1	20.0

Note: The maximum average loads for the project must still be met in addition to meeting the maximum loads for each individual dwelling.

The results for each individual dwelling were used as inputs to the BASIX online tool to confirm the project average for all dwellings (Refer to **Table 2.2 Thermal Comfort Results**)

Table 2.2 Thermal comfort results

	Heating Load (MJ/m ²)	Cooling Load (MJ/m ²)
Individual Dwellings Maximum	28.1	20.0
Average All Dwellings	13.2	7.4
Average Star Rating	8.0 Star	

The construction details outlined in **Table 2.3 Inclusions Summary**

Summary were adopted as inputs to the simulation software for calculating the thermal loads for each dwelling.

Table 2.3 Inclusions Summary

Type	Construction Performance	Additional Properties
External Walls/ Solid Spandrel	Bulk insulation Rt 2.7	Solar reflectance 0.5 (Medium)
Internal Walls to Corridors/ Non-Conditioned Areas	Rt 1.5	N/A
Floors	Rt 2.5	Carpet to all bedrooms. Floating Timber to all living and kitchen spaces. Tile to all bathroom and wet areas.
Ceiling Penetrations		1 downlight per 5 sqm. Exhaust fans have been modelled as 1 per

Type	Construction Performance	Additional Properties
		bathroom, 1 per laundry if available and 1 per kitchen. No Ceiling fans have been modelled.
Exposed Roofs/Ceilings	Rt 4.0 - Rt 5.0	Solar reflectance 0.5 (Medium)
Suspended Floor Slabs	Rt 2.5	N/A
Low Solar Gain - Sliding Doors/Windows	U 3.2	SHGC 0.30
Low Solar Gain - Fixed Doors/Windows	U 3.1	SHGC 0.30
Low Solar Gain- Awning Windows	U 3.64	SHGC 0.31
Low Solar Gain - Casement Doors/Windows	U 3.64	SHGC 0.31
High Solar Gain - Sliding Doors/Windows	U 2.9	SHGC 0.51
High Solar Gain - Fixed Doors/Windows	U 2.9	SHGC 0.51
High Solar Gain- Awning Windows	U 2.91	SHGC 0.44
High Solar Gain - Casement Doors/Windows	U 2.91	SHGC 0.44

Note: The above insulation values have been used throughout the development unless mentioned differently in NatHERS Compliance Report, Results Section 4.0 for specific units.

3 BASIX Water Compliance Requirements

The development will achieve the BASIX water target of 40% for the development, provided the following water commitments detailed below are implemented.

3.1 Common Areas and Central Systems

Table 3.1.1 Water Commitments - Common Areas and Central Systems

Common Area and Central Systems	Commitments
Alternative water supply	Rainwater tanks totalling to 20,000L minimum. Drainage from minimum 820m2 roof to rainwater tank. Rainwater tanks will be used to irrigate 2,709 m2 of landscape and 2 car washing bays
Common Landscape	Common lawn area: 136 m2 Common vegetation garden area of non-indigenous of low water use species: 1,265 m2 Common vegetation garden area of indigenous or low water use species: 1,308 m2
Pool and Spa	No.
Fixtures for Common Areas	Showerheads: 4 Star (>6 but <= 7.5 L/min) Toilets: 4-star WELS rating Taps: 6-star WELS rating Washing Machine: no common laundry facility
Fire Sprinkler System	Fire Sprinkler test water contained in a closed system.

3.2 Individual Dwellings

Table 3.2.1 Water Commitments - Private Dwellings

Private Dwellings	Commitments
Fixtures for apartments	Showerheads: 4-star WELS (>6 but <= 7.5 L/min) Toilets: 4-star WELS rated Kitchen taps: 6-star WELS rated Bathroom taps: 6-star WELS rated
Appliances	Washing machine: 4-Sar WELS rated Dishwasher: 5-Star WELS rated
Alternative water supply	Rainwater tanks will supply an alternative water source for toilets and private landscape for all individual dwellings.

4 Materials Assessment

While there is no materials target to achieve, the following inputs have been provided for the materials section.

Table 4.1 Material Inputs - Floors

	Floor Type	Form of Construction
All Apartments	Suspended floor above garage	Suspended concrete slab

Table 4.2 Material Inputs - External Walls

	Construction Type	Frame	Insulation
Apartment A	Brick Veneer	Light steel frame	Rockwool batts, roll or pump-in
Apartment B	Framed (metal clad)	Light steel frame	Rockwool batts, roll or pump-in
Apartment E	Brick Veneer	Light steel frame	Rockwool batts, roll or pump-in
Apartment F	Framed (metal clad)/ Brick Veneer	Light steel frame	Rockwool batts, roll or pump-in
Apartment G	Brick Veneer	Light steel frame	Rockwool batts, roll or pump-in

Table 4.3 Material Inputs - External Walls

	Construction type	Frame	Insulation
All Apartments	Plasterboard	Light steel frame	None

Table 4.4 Material Inputs - Ceiling and Roof

	Ceiling and Roof Type	Roof Insulation
Apartment A	Framed - metal roof/ framed - concrete tiles	Foil/sarking
Apartment B	Concrete - bare internal	Foil backed blanket
Apartment E	Concrete - bare internal	Foil backed blanket
Apartment F	Concrete - bare internal	Foil backed blanket
Apartment G	Framed - concrete tiles	Foil backed blanket

Table 4.5 Material Inputs - Glazing

	Glazing Type	Frame Type
All Apartments	Double Glazing	Composite Frames

5 BASIX Energy Compliance Requirements

The development will achieve the BASIX energy target of 60% with a 4% buffer, provided the following energy commitments detailed below are installed.

5.1 Common Areas and Central Systems

Table 5.1.1 Energy Commitments - Central Systems

Central Systems	Commitment
Alternative Energy Supply	Peak 100.0 kW of PV
Hot water system	Individual hot water systems for each building. System Type: Electric heat pump - air sourced with an efficiency of $3.0 < \text{COP} \leq 3.5$ Piping insulation of R0.6 (~25mm) to both external and internal pipping.

Table 5.1.2 Energy Commitments - Common Area Ventilation

Area	Ventilation type	Control
Undercover car park areas	Ventilation exhaust only	CO monitor + VSD fan
Garbage room(s)	Ventilation exhaust only	N/A
Plant or service room(s)	Ventilation supply only	Interlocked to light
Ground floor lobbies	No mechanical ventilation	N/A
Hallway/lobby types	No mechanical ventilation	N/A
Community rooms	Air conditioning system	Time clock or BMS controlled
Other internal areas	No mechanical Ventilation	N/A

Table 5.1.3 Energy Commitments - Common Area Lighting

Area	Primary lighting system type	Efficiency measure	BMS controlled?
Undercover car park areas	LED	Zoned switching & motion sensors	No
Lift Banks	LED	Connected to lift call button	No
Garbage room(s)	LED	Manual on/off	No
Plant or service room(s)	LED	Manual on/off	No

Ground floor lobbies	LED	Time clock and motion sensors	No
Hallway/lobby types	LED	Time clock and motion sensors	No
Community Rooms	LED	Daylight sensor and motion sensor	Yes
Internal areas	LED	Time clock and motion sensors	No

Table 5.1.4 Lifts

Lifts no. 1	
Quantity	2
System type	Gearless traction with VVVF motor and regenerative drive
Lift floors	8

Lifts no. 2	
Quantity	6
System type	Gearless traction with VVVF motor and regenerative drive
Lift floors	9

Lifts no. 3	
Quantity	2
System type	Gearless traction with VVVF motor and regenerative drive
Lift floors	9

Lifts no. 4	
Quantity	2
System type	Gearless traction with VVVF motor and regenerative drive
Lift floors	8

Lifts no. 5	
Quantity	4
System type	Gearless traction with VVVF motor and regenerative drive
Lift floors	8

The following energy details of central systems are additional fields required by BASIX:

Table 5.1.5 Other Central Systems

Central system	Inclusion
Building Management System	Yes
Active power factor correction	No
Common area clothes drying line	No
Common area electric/gas clothes dryer	No
Common area clothes washer	No

5.2 Individual Dwellings

Table 5.2.1 Energy Commitments - Dwellings

Dwellings	Commitment
Apartment Ventilation System	Kitchen Exhaust: Individual fan, ducted to roof or façade Kitchen exhaust control: Manual switch on/ off Bathroom Exhaust: Individual fan, ducted to roof or façade Bathroom exhaust control: Manual on / timer off Laundry Exhaust: Individual fan, ducted to roof or façade Kitchen exhaust control: Manual switch on/ off
Heating and Cooling Systems	Apartment A: - Heating via individual systems to living/bedrooms - 1-phase air conditioning ducted EER 3.5-4.0 - Cooling via individual systems to living/bedrooms - 1-phase air conditioning ducted EER 3.5-4.0 Apartment B: - Heating via Central heating system, electric boiler - Fan Coil + Heater water - Cooling via Central cooling system, chilled water fan coil units Apartment E: - Heating via Central heating system, electric boiler - Fan Coil + Heater water - Cooling via Central cooling system, chilled water fan coil units Apartment F: - Heating via individual systems to living/bedrooms - 1-phase air conditioning ducted EER 3.5-4.0 - Cooling via individual systems to living/bedrooms - 1-phase air conditioning ducted EER 3.5-4.0 Apartment G: - Heating via individual systems to living/bedrooms - 1-phase air conditioning ducted EER 3.5-4.0 - Cooling via individual systems to living/bedrooms - 1-phase air conditioning ducted EER 3.5-4.0
Lighting	Dedicated LED fittings
Appliances	Induction cooktop & electric oven Dishwasher: 3.5 stars Clothes dryer: 2 stars

Appendices

Appendix A BASIX Certificate

Appendix B NatHERS Summary Certificate

Appendix A BASIX Certificate

BASIX™ Certificate

Building Sustainability Index

www.planningportal.nsw.gov.au/development-and-assessment/basix

Multi Dwelling

Certificate number: 1778838M_03

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.planningportal.nsw.gov.au/definitions

This certificate is a revision of certificate number 1778838M submitted to the consent authority or certifier on 23 December 2024 with application 1800DA890.

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: Friday, 12 June 2026

To be valid, this certificate must be submitted with a development application or lodged with a complying development certificate application within 3 months of the date of issue.



When submitting this BASIX certificate with a development application or complying development certificate application, it must be accompanied by NatHERS certificate Y65QWHIFZ2.

Project summary

Project name	The Timberyards by RTL Co._03
Street address	MULTIPLE LOTS MULTIPLE LOTS BOUND BY VICTORIA ROAD, SYDENHAM ROAD, FARR STREET AND MITCHELL STREET MARRICKVILLE 2204
Local Government Area	INNER WEST
Plan type and plan number	Strata Plan DP587262
Lot no.	345
Section no.	--
No. of residential flat buildings	5
Residential flat buildings: no. of dwellings	592
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0

Project score

Water	✓ 51	Target 40
Thermal Performance (Simulation method)	✓ Pass	Target Pass
Energy	✓ 64	Target 60
Materials	✓ -100	Target n/a

Certificate Prepared by

Name / Company Name: ATELIER TEN AUSTRALIA PTY LTD

ABN (if applicable): 29165367519

Description of project

Project address	
Project name	The Timberyards by RTL Co._03
Street address	MULTIPLE LOTS MULTIPLE LOTS BOUND BY VICTORIA ROAD, SYDENHAM ROAD, FARR STREET AND MITCHELL STREET MARRICKVILLE 2204
Local Government Area	INNER WEST
Plan type and plan number	Strata Plan DP587262
Lot no.	345
Section no.	--
Project type	
No. of residential flat buildings	5
Residential flat buildings: no. of dwellings	592
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0
Site details	
Site area (m²)	22771
Roof area (m²)	3516
Non-residential floor area (m²)	5567
Residential car spaces	157
Non-residential car spaces	92

Common area landscape		
Common area lawn (m²)	136	
Common area garden (m²)	2573	
Area of indigenous or low water use species (m²)	1308	
Assessor details and thermal loads		
Assessor number	DMN/20/1972	
Certificate number	Y65QWHIFZ2	
Climate zone	56	
Project score		
Water	✓ 51	Target 40
Thermal Performance (Simulation method)	✓ Pass	Target Pass
Energy	✓ 64	Target 60
Materials	✓ -100	Target n/a

Description of project

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

Residential flat buildings - Apartment A, 105 dwellings, 8 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A1.01.02	76	0	0	0	0
A1.01.05	53	0	0	0	0
A1.03.02	76	0	0	0	0
A1.03.05	53	0	0	0	0
A1.03.09	85	0	0	0	0
A1.04.3	117	0	0	0	0
A1.04.04	53	0	0	0	0
A1.04.08	80	0	0	0	0
A1.04.12	80	0	0	0	0
A1.06.3	117	0	0	0	0
A1.06.04	35	0	0	0	0
A1.07.02	75	0	0	0	0
A1.07.09	110	0	0	0	0
A1.UG.02	82	0	0	0	0
A2.01.03	75	0	0	0	0
A2.02.03	75	0	0	0	0
A2.03.03	75	0	0	0	0
A2.03.02	85	0	0	0	0
A2.03.11	53	0	0	0	0
A2.04.02	50	0	0	0	0
A2.04.08	80	0	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A1.01.02	50	0	0	0	0
A1.02.02	50	0	0	0	0
A1.03.02	50	0	0	0	0
A1.03.06	53	0	0	0	0
A1.03.10	85	0	0	0	0
A1.04.02	76	0	0	0	0
A1.04.05	53	0	0	0	0
A1.04.09	80	0	0	0	0
A1.05.3	117	0	0	0	0
A1.06.02	75	0	0	0	0
A1.06.09	110	0	0	0	0
A1.07.02	75	0	0	0	0
A1.07.06	50	0	0	0	0
A1021	2	76	0	0	0
A2.02.3	117	0	0	0	0
A2.03.3	117	0	0	0	0
A2.03.04	85	0	0	0	0
A2.03.08	85	0	0	0	0
A2.03.12	53	0	0	0	0
A2.04.03	75	0	0	0	0
A2.04.07	80	0	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A1.01.03	50	0	0	0	0
A1.02.03	50	0	0	0	0
A1.03.03	50	0	0	0	0
A1.03.02	85	0	0	0	0
A1.03.12	85	0	0	0	0
A1.04.02	50	0	0	0	0
A1.04.06	53	0	0	0	0
A1.04.10	80	0	0	0	0
A1.05.02	75	0	0	0	0
A1.06.02	75	0	0	0	0
A1.06.06	50	0	0	0	0
A1.07.03	35	0	0	0	0
A1.07.07	50	0	0	0	0
A2.01.01	50	0	0	0	0
A2.02.01	50	0	0	0	0
A2.03.01	50	0	0	0	0
A2.03.02	85	0	0	0	0
A2.03.09	85	0	0	0	0
A2.04.3	117	0	0	0	0
A2.04.02	80	0	0	0	0
A2.04.08	80	0	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A1.01.04	53	0	0	0	0
A1.03.3	117	0	0	0	0
A1.03.04	53	0	0	0	0
A1.03.08	85	0	0	0	0
A1.03.12	85	0	0	0	0
A1.04.03	50	0	0	0	0
A1.04.02	80	0	0	0	0
A1.04.12	80	0	0	0	0
A1.05.02	75	0	0	0	0
A1.06.03	35	0	0	0	0
A1.06.07	50	0	0	0	0
A1.07.04	35	0	0	0	0
A1.UG.01	76	0	0	0	0
A2.01.02	50	0	0	0	0
A2.02.02	50	0	0	0	0
A2.03.02	50	0	0	0	0
A2.03.08	85	0	0	0	0
A2.03.10	53	0	0	0	0
A2.04.01	50	0	0	0	0
A2.04.03	80	0	0	0	0
A2.04.09	80	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A2.04.10	53	0	0	0	0
A2.05.02	77	0	0	0	0
A2.06.02	75	0	0	0	0
A2.06.06	35	0	0	0	0
A2.07.02	50	0	0	0	0
A2.UG.01	53	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A2.04.11	53	0	0	0	0
A2.05.02	75	0	0	0	0
A2.06.03	50	0	0	0	0
A2.06.07	35	0	0	0	0
A2.07.03	110	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A2.04.12	53	0	0	0	0
A2.06.03	117	0	0	0	0
A2.06.04	50	0	0	0	0
A2.07.03	117	0	0	0	0
A2.07.04	35	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A2.05.03	117	0	0	0	0
A2.06.02	77	0	0	0	0
A2.06.05	110	0	0	0	0
A2.07.01	50	0	0	0	0
A2.07.05	35	0	0	0	0

Residential flat buildings - Apartment B, 287 dwellings, 11 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B1.01.03	95	0	0	0	0
B1.02.03	35	0	0	0	0
B1.02.07	35	0	0	0	0
B1.02.12	77	0	0	0	0
B1.03.03	95	0	0	0	0
B1.04.03	35	0	0	0	0
B1.04.07	35	0	0	0	0
B1.04.12	77	0	0	0	0
B1.05.03	95	0	0	0	0
B1.06.03	35	0	0	0	0
B1.06.07	38	0	0	0	0
B1.07.04	35	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B1.01.02	75	0	0	0	0
B1.02.04	35	0	0	0	0
B1.02.08	35	0	0	0	0
B1.02.12	77	0	0	0	0
B1.03.02	75	0	0	0	0
B1.04.04	35	0	0	0	0
B1.04.08	35	0	0	0	0
B1.04.12	77	0	0	0	0
B1.05.02	75	0	0	0	0
B1.06.04	35	0	0	0	0
B1.07.03	95	0	0	0	0
B1.07.05	35	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B1.02.03	95	0	0	0	0
B1.02.05	35	0	0	0	0
B1.02.09	77	0	0	0	0
B1.02.12	77	0	0	0	0
B1.04.03	95	0	0	0	0
B1.04.05	35	0	0	0	0
B1.04.09	77	0	0	0	0
B1.04.12	77	0	0	0	0
B1.06.03	95	0	0	0	0
B1.06.05	35	0	0	0	0
B1.07.02	75	0	0	0	0
B1.07.08	87	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B1.02.02	75	0	0	0	0
B1.02.06	35	0	0	0	0
B1.02.10	77	0	0	0	0
B1.02.12	77	0	0	0	0
B1.04.02	75	0	0	0	0
B1.04.06	35	0	0	0	0
B1.04.10	77	0	0	0	0
B1.04.12	77	0	0	0	0
B1.06.02	75	0	0	0	0
B1.06.08	87	0	0	0	0
B1.07.03	35	0	0	0	0
B1.07.07	38	0	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)
B1.UG.01	72	0	0	0	0
B1.UG.05	128	0	0	0	0
B1802	1	35	0	0	0
B1806	1	38	0	0	0
B2.01.02	76	0	0	0	0
B2.02.04	35	0	0	0	0
B2.02.10	85	0	0	0	0
B2.02.14	53	0	0	0	0
B2.03.03	76	0	0	0	0
B2.04.04	35	0	0	0	0
B2.04.10	85	0	0	0	0
B2.04.14	53	0	0	0	0
B2.05.03	76	0	0	0	0
B2.06.04	35	0	0	0	0
B2.06.12	85	0	0	0	0
B2.07.02	87	0	0	0	0
B2.07.06	35	0	0	0	0
B2.09.01	35	0	0	0	0
B2.UG.02	85	0	0	0	0
B2.UG.06	53	0	0	0	0
B2101	1	35	0	0	0
B2607	1	35	0	0	0
B2707	1	35	0	0	0
B2806	1	35	0	0	0
B2816	1	53	0	0	0
B2913	1	53	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)
B1.UG.02	75	0	0	0	0
B1.UG.06	128	0	0	0	0
B1803	1	35	0	0	0
B2.01.01	35	0	0	0	0
B2.02.02	77	0	0	0	0
B2.02.05	35	0	0	0	0
B2.02.12	85	0	0	0	0
B2.02.15	53	0	0	0	0
B2.04.02	77	0	0	0	0
B2.04.05	35	0	0	0	0
B2.04.12	85	0	0	0	0
B2.04.15	53	0	0	0	0
B2.06.01	38	0	0	0	0
B2.06.05	35	0	0	0	0
B2.06.13	85	0	0	0	0
B2.07.03	35	0	0	0	0
B2.08.01	38	0	0	0	0
B2.09.02	35	0	0	0	0
B2.UG.03	85	0	0	0	0
B2.UG.08	128	0	0	0	0
B2102	1	35	0	0	0
B2608	2	76	0	0	0
B2708	2	76	0	0	0
B2807	1	35	0	0	0
B2904	1	35	0	0	0
B2914	1	53	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)
B1.UG.03	128	0	0	0	0
B1.UG.07	128	0	0	0	0
B1804	1	35	0	0	0
B2.01.02	35	0	0	0	0
B2.02.02	77	0	0	0	0
B2.02.06	35	0	0	0	0
B2.02.12	85	0	0	0	0
B2.03.01	35	0	0	0	0
B2.04.02	77	0	0	0	0
B2.04.06	35	0	0	0	0
B2.04.12	85	0	0	0	0
B2.05.01	35	0	0	0	0
B2.06.02	87	0	0	0	0
B2.06.08	35	0	0	0	0
B2.06.12	85	0	0	0	0
B2.07.04	35	0	0	0	0
B2.08.02	87	0	0	0	0
B2.09.03	35	0	0	0	0
B2.UG.04	85	0	0	0	0
B2.UG.09	128	0	0	0	0
B2103	2	76	0	0	0
B2615	1	53	0	0	0
B2804	1	35	0	0	0
B2808	2	76	0	0	0
B2905	1	35	0	0	0
B3.01.03	75	0	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)
B1.UG.04	128	0	0	0	0
B1801	3	95	0	0	0
B1805	2	87	0	0	0
B2.01.03	35	0	0	0	0
B2.02.03	35	0	0	0	0
B2.02.07	76	0	0	0	0
B2.02.13	85	0	0	0	0
B2.03.02	35	0	0	0	0
B2.04.03	35	0	0	0	0
B2.04.07	76	0	0	0	0
B2.04.13	85	0	0	0	0
B2.05.02	35	0	0	0	0
B2.06.03	35	0	0	0	0
B2.06.12	85	0	0	0	0
B2.07.01	38	0	0	0	0
B2.07.05	35	0	0	0	0
B2.08.03	35	0	0	0	0
B2.UG.01	85	0	0	0	0
B2.UG.05	53	0	0	0	0
B21.1	1	53	0	0	0
B2110	1	53	0	0	0
B2616	1	53	0	0	0
B2805	1	35	0	0	0
B2815	1	53	0	0	0
B2906	2	76	0	0	0
B3.02.03	75	0	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)
B3.02.06	53	0	0	0	0
B3.02.10	85	0	0	0	0
B3.02.12	85	0	0	0	0
B3.04.02	85	0	0	0	0
B3.04.12	85	0	0	0	0
B3.04.13	85	0	0	0	0
B3.06.02	85	0	0	0	0
B3.06.12	85	0	0	0	0
B3.06.13	85	0	0	0	0
B3.08.02	85	0	0	0	0
B3.09.02	75	0	0	0	0
B3.10.02	75	0	0	0	0
B3.11.03	50	0	0	0	0
B3.11.12	50	0	0	0	0
B3.UG.07	53	0	0	0	0
B3.UG.21	85	0	0	0	0
B4.01.02	95	0	0	0	0
B4.02.04	53	0	0	0	0
B4.02.08	85	0	0	0	0
B4.03.02	76	0	0	0	0
B4.04.03	53	0	0	0	0
B4.04.02	85	0	0	0	0
B4.04.12	85	0	0	0	0
B4.06.02	95	0	0	0	0
B4.06.08	85	0	0	0	0
B4.06.10	85	0	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)
B3.02.07	53	0	0	0	0
B3.02.12	85	0	0	0	0
B3.03.02	75	0	0	0	0
B3.04.08	53	0	0	0	0
B3.04.12	85	0	0	0	0
B3.05.02	75	0	0	0	0
B3.06.08	53	0	0	0	0
B3.06.12	85	0	0	0	0
B3.07.02	75	0	0	0	0
B3.08.08	53	0	0	0	0
B3.09.08	53	0	0	0	0
B3.10.08	53	0	0	0	0
B3.11.09	50	0	0	0	0
B3.11.13	50	0	0	0	0
B3.UG.03	85	0	0	0	0
B3.UG.12	85	0	0	0	0
B4.02.02	76	0	0	0	0
B4.02.05	53	0	0	0	0
B4.02.09	85	0	0	0	0
B4.03.02	95	0	0	0	0
B4.04.04	53	0	0	0	0
B4.04.08	85	0	0	0	0
B4.05.02	76	0	0	0	0
B4.06.03	53	0	0	0	0
B4.06.07	85	0	0	0	0
B4.06.12	85	0	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)
B3.02.08	53	0	0	0	0
B3.02.12	85	0	0	0	0
B3.04.02	75	0	0	0	0
B3.04.09	53	0	0	0	0
B3.04.12	85	0	0	0	0
B3.06.02	75	0	0	0	0
B3.06.09	53	0	0	0	0
B3.06.12	85	0	0	0	0
B3.08.02	75	0	0	0	0
B3.08.09	53	0	0	0	0
B3.09.09	53	0	0	0	0
B3.10.09	53	0	0	0	0
B3.11.10	50	0	0	0	0
B3.UG.03	75	0	0	0	0
B3.UG.09	85	0	0	0	0
B3113	2	75	0	0	0
B4.02.02	95	0	0	0	0
B4.02.08	85	0	0	0	0
B4.02.10	85	0	0	0	0
B4.04.02	76	0	0	0	0
B4.04.05	53	0	0	0	0
B4.04.09	85	0	0	0	0
B4.05.02	95	0	0	0	0
B4.06.04	53	0	0	0	0
B4.06.08	85	0	0	0	0
B4.07.02	76	0	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)
B3.02.09	53	0	0	0	0
B3.02.12	85	0	0	0	0
B3.04.08	85	0	0	0	0
B3.04.10	53	0	0	0	0
B3.04.12	85	0	0	0	0
B3.06.08	75	0	0	0	0
B3.06.10	53	0	0	0	0
B3.06.12	85	0	0	0	0
B3.08.08	85	0	0	0	0
B3.08.10	53	0	0	0	0
B3.09.10	53	0	0	0	0
B3.10.10	53	0	0	0	0
B3.11.11	50	0	0	0	0
B3.UG.06	53	0	0	0	0
B3.UG.10	85	0	0	0	0
B4.01.02	76	0	0	0	0
B4.02.03	53	0	0	0	0
B4.02.07	85	0	0	0	0
B4.02.12	85	0	0	0	0
B4.04.03	95	0	0	0	0
B4.04.08	85	0	0	0	0
B4.04.10	85	0	0	0	0
B4.06.02	76	0	0	0	0
B4.06.05	53	0	0	0	0
B4.06.09	85	0	0	0	0
B4.07.02	95	0	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)
B4.08.02	76	0	0	0	0
B4.08.05	53	0	0	0	0
B4.08.09	85	0	0	0	0
B4.09.03	95	0	0	0	0
B4.10.02	76	0	0	0	0
B4.10.05	53	0	0	0	0
B4.11.04	50	0	0	0	0
B4.11.08	50	0	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)
B4.08.02	95	0	0	0	0
B4.08.08	85	0	0	0	0
B4.08.10	85	0	0	0	0
B4.09.03	53	0	0	0	0
B4.10.03	95	0	0	0	0
B4.11.03	129	0	0	0	0
B4.11.05	50	0	0	0	0
B4.UG.01	76	0	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)
B4.08.03	53	0	0	0	0
B4.08.07	85	0	0	0	0
B4.08.12	85	0	0	0	0
B4.09.04	53	0	0	0	0
B4.10.03	53	0	0	0	0
B4.11.02+	151	0	0	0	0
B4.11.06	50	0	0	0	0
B4.UG.02	95	0	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)
B4.08.04	53	0	0	0	0
B4.08.08	85	0	0	0	0
B4.09.02	76	0	0	0	0
B4.09.05	53	0	0	0	0
B4.10.04	53	0	0	0	0
B4.11.03	50	0	0	0	0
B4.11.07	50	0	0	0	0

Residential flat buildings - Apartment E, 108 dwellings, 11 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
E1.01.02	75	0	0	0	0
E1.02.02	86	0	0	0	0
E1.02.08	54	0	0	0	0
E1.04.02	75	0	0	0	0
E1.05.02	75	0	0	0	0
E1.06.02	75	0	0	0	0
E1.07.02	75	0	0	0	0
E1.08.02	75	0	0	0	0
E1.09.02	75	0	0	0	0
E1.10.05	54	0	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)
E1.01.02	76	0	0	0	0
E1.02.08	86	0	0	0	0
E1.02.09	54	0	0	0	0
E1.04.02	76	0	0	0	0
E1.05.02	76	0	0	0	0
E1.06.02	76	0	0	0	0
E1.07.02	76	0	0	0	0
E1.08.02	76	0	0	0	0
E1.09.02	76	0	0	0	0
E1.10.06	54	0	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)
E1.02.02	75	0	0	0	0
E1.02.08	86	0	0	0	0
E1.03.02	75	0	0	0	0
E1.04.08	54	0	0	0	0
E1.05.08	54	0	0	0	0
E1.06.08	54	0	0	0	0
E1.07.08	54	0	0	0	0
E1.08.08	54	0	0	0	0
E1.09.08	54	0	0	0	0
E1.11.05	54	0	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)
E1.02.03	76	0	0	0	0
E1.02.07	86	0	0	0	0
E1.03.03	76	0	0	0	0
E1.04.09	54	0	0	0	0
E1.05.09	54	0	0	0	0
E1.06.09	54	0	0	0	0
E1.07.09	54	0	0	0	0
E1.08.09	54	0	0	0	0
E1.09.09	54	0	0	0	0
E1.11.06	54	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
E1.G.011	35	0	0	0	0
E1.UG.021	86	0	0	0	0
E2.01.02	76	0	0	0	0
E2.02.04	54	0	0	0	0
E2.02.08	86	0	0	0	0
E2.04.02	76	0	0	0	0
E2.05.02	76	0	0	0	0
E2.06.02	76	0	0	0	0
E2.07.02	76	0	0	0	0
E2.08.02	76	0	0	0	0
E2.09.02	76	0	0	0	0
E2.10.02	76	0	0	0	0
E2.11.03	126	0	0	0	0
E2.11.06	50	0	0	0	0
E2.G.011	35	0	0	0	0
E2.UG.021	76	0	0	0	0
E2.UG.06	86	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
E1.G.021	35	0	0	0	0
E1.UG.022	86	0	0	0	0
E2.01.02	75	0	0	0	0
E2.02.05	54	0	0	0	0
E2.02.09	86	0	0	0	0
E2.04.02	75	0	0	0	0
E2.05.02	75	0	0	0	0
E2.06.02	75	0	0	0	0
E2.07.02	75	0	0	0	0
E2.08.02	75	0	0	0	0
E2.09.02	75	0	0	0	0
E2.10.02	75	0	0	0	0
E2.11.03	124	0	0	0	0
E2.11.07	50	0	0	0	0
E2.G.021	35	0	0	0	0
E2.UG.022	75	0	0	0	0
E2.UG.07	86	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
E1.G.031	35	0	0	0	0
E1.UG.023	86	0	0	0	0
E2.02.02	76	0	0	0	0
E2.02.08	86	0	0	0	0
E2.03.02	76	0	0	0	0
E2.04.04	54	0	0	0	0
E2.05.04	54	0	0	0	0
E2.06.04	54	0	0	0	0
E2.07.04	54	0	0	0	0
E2.08.04	54	0	0	0	0
E2.09.04	54	0	0	0	0
E2.10.04	54	0	0	0	0
E2.11.04	50	0	0	0	0
E2.11.08	50	0	0	0	0
E2.G.031	35	0	0	0	0
E2.UG.024	86	0	0	0	0
E2110	1	50	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
E1.G.041	35	0	0	0	0
E1.UG.024	86	0	0	0	0
E2.02.02	75	0	0	0	0
E2.02.02	86	0	0	0	0
E2.03.02	75	0	0	0	0
E2.04.05	54	0	0	0	0
E2.05.05	54	0	0	0	0
E2.06.05	54	0	0	0	0
E2.07.05	54	0	0	0	0
E2.08.05	54	0	0	0	0
E2.09.05	54	0	0	0	0
E2.10.05	54	0	0	0	0
E2.11.05	50	0	0	0	0
E2.11.09	50	0	0	0	0
E2.G.041	35	0	0	0	0
E2.UG.025	86	0	0	0	0
E2111	1	50	0	0	0

Residential flat buildings - Apartment F, 42 dwellings, 6 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
F.01.012	81	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
F.01.022	76	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
F.01.031	50	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
F.01.041	51	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
F.01.051	51	0	0	0	0
F.02.031	50	0	0	0	0
F.03.012	81	0	0	0	0
F.03.051	51	0	0	0	0
F.04.031	36	0	0	0	0
F.05.022	76	0	0	0	0
F.06.011	50	0	0	0	0
F.06.051	53	0	0	0	0
F.UG.012	81	0	0	0	0
F.UG.051	51	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
F.01.061	35	0	0	0	0
F.02.041	51	0	0	0	0
F.03.022	76	0	0	0	0
F.03.061	35	0	0	0	0
F.04.042	75	0	0	0	0
F.05.031	36	0	0	0	0
F.06.022	76	0	0	0	0
F.G.011	51	0	0	0	0
F.UG.022	76	0	0	0	0
F.UG.061	36	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
F.02.012	81	0	0	0	0
F.02.051	51	0	0	0	0
F.03.031	50	0	0	0	0
F.04.011	50	0	0	0	0
F.04.051	53	0	0	0	0
F.05.042	75	0	0	0	0
F.06.031	36	0	0	0	0
F.G.021	51	0	0	0	0
F.UG.031	50	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
F.02.022	76	0	0	0	0
F.02.061	35	0	0	0	0
F.03.041	51	0	0	0	0
F.04.022	76	0	0	0	0
F.05.011	50	0	0	0	0
F.05.051	53	0	0	0	0
F.06.042	75	0	0	0	0
F.G.031	35	0	0	0	0
F.UG.041	51	0	0	0	0

Residential flat buildings - Apartment G, 50 dwellings, 6 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
G1.01.001	81	0	0	0	0
G1.01.005	55	0	0	0	0
G1.02.004	100	0	0	0	0
G1.03.004	100	0	0	0	0
G1.G.011	60	0	0	0	0
G1.G.005	83	0	0	0	0
G2.01.001	35	0	0	0	0
G2.01.005	53	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
G1.01.002	76	0	0	0	0
G1.02.001	50	0	0	0	0
G1.03.001	50	0	0	0	0
G1.04.001	50	0	0	0	0
G1.G.002	76	0	0	0	0
G1.G.006	83	0	0	0	0
G2.01.002	76	0	0	0	0
G2.02.001	35	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
G1.01.003	53	0	0	0	0
G1.02.002	76	0	0	0	0
G1.03.002	75	0	0	0	0
G1.04.002	99	0	0	0	0
G1.G.003	55	0	0	0	0
G1.UG.001	81	0	0	0	0
G2.01.003	55	0	0	0	0
G2.02.002	50	0	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
G1.01.004	53	0	0	0	0
G1.02.003	51	0	0	0	0
G1.03.003	51	0	0	0	0
G1.05.003	111	0	0	0	0
G1.G.004	83	0	0	0	0
G1.UG.002	76	0	0	0	0
G2.01.004	55	0	0	0	0
G2.02.003	100	0	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)
G2.02.01	51	0	0	0	
G2.03.01	51	0	0	0	
G2.04.01	50	0	0	0	
G2.G.02	83	0	0	0	
G2.UG.01	35	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)
G2.03.01	35	0	0	0	
G2.04.01	35	0	0	0	
G2.05.02	111	0	0	0	
G2.G.02	83	0	0	0	
G2.UG.02	76	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)
G2.03.02	50	0	0	0	
G2.04.02	79	0	0	0	
G2.G.01	35	0	0	0	
G2.G.02	83	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)
G2.03.03	100	0	0	0	
G2.04.03	99	0	0	0	
G2.G.01	56	0	0	0	
G2.G.01	55	0	0	0	

Description of project

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

Common areas of unit building - Apartment A

Common area	Floor area (m²)
Building A - HW Plant	64.33
Building A - Corridor	41.42

Common area	Floor area (m²)
Building A - Firestairs	267.4
Building A - Hallway	733.47

Common area	Floor area (m²)
Building A - Mail / Parcels	38.74

Common areas of unit building - Apartment B

Common area	Floor area (m²)
Building B - Gym	240.77
Building B - Communal	251.57
Building B - Store	116.73
Building B - Hallway	3041.63

Common area	Floor area (m²)
Building B - Library	334.97
Building B - OSD Tank	88.81
Building B - Wc	15.32

Common area	Floor area (m²)
Building B - Library / Lounge	57.44
Building B - Firestairs	814.36
Building B - Ground Lobby	40.89

Common areas of unit building - Apartment E

Common area	Floor area (m²)
Building E - MSR	36.13
Building E - Fire Stairs	429.81
Building E - Hallway	1676.52

Common area	Floor area (m²)
Building E - Waste	115.1
Building E - Bicycle parking / temporary loading	450.17

Common area	Floor area (m²)
Building E - Cleaners / Bump in	28.71
Building E - Lobby	116.02

Common areas of unit building - Apartment F

Common area	Floor area (m²)
Building F - Waste	35.79
Building E - Library	69.79
Building F - Lobby	78.38

Common area	Floor area (m²)
Building F - Communal	72.5
Building F - Fire stairs	125.33
Building F - Hallway	300.15

Common area	Floor area (m²)
Building E - Workstudio	188.62
Building F - Bump in / Cleaners	23.38

Common areas of unit building - Apartment G

Common area	Floor area (m²)
Building G - Waste	67.02

Common area	Floor area (m²)
Building G - Airlock	4.7

Common area	Floor area (m²)
Building G - Fire stairs	193.93

Common area	Floor area (m²)
Building G - Lobby	114.32

Common area	Floor area (m²)
Building G - Hallway	283.43

Common area	Floor area (m²)
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Common areas of the development (non-building specific)

Common area	Floor area (m²)
Lift bank (No. 1)	-
Lift bank (No. 4)	-
Main Switchroom	113
Communal Lounge	298.25
Dog Wash	34.61
Sewer Pump	59.66
Fire Tank	57.01
Fan Room	41.1
Fire Stairs - Basement	185.27
WC	34.72
Staff office and meeting room	121.51

Common area	Floor area (m²)
Lift bank (No. 2)	-
Lift bank (No. 5)	-
FOG & Bulky Waste	55.47
Wellness	151.68
Bike Repair	34.47
CPE Fan Room	27.12
Comms Room	21.18
CPS Fan Room	40.56
Storage - Basement	1735.82
Fire Control Center	22.41
Basement Lobby	191.17

Common area	Floor area (m²)
Lift bank (No. 3)	-
Car Park	7200.08
Residential Waste - Basement	123.66
Workshop	100.98
Hydraulic Pump & Meter Room	39.46
Rain Water Filtration & Pump	68.13
Fire Pump Room	62.56
Water Meter ROom	23.65
Basement Corridor	112.18
Mail / Parcel - Basement	34.58

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - Apartment A

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance

(c) Common areas and central systems/facilities

(i) Water

(ii) Energy

2. Commitments for Residential flat buildings - Apartment B

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance

(c) Common areas and central systems/facilities

(i) Water

(ii) Energy

3. Commitments for Residential flat buildings - Apartment E

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

- (ii) Energy
- (iii) Thermal Performance

(c) Common areas and central systems/facilities

- (i) Water
- (ii) Energy

4. Commitments for Residential flat buildings - Apartment F

(a) Buildings

- (i) Materials

(b) Dwellings

- (i) Water
- (ii) Energy
- (iii) Thermal Performance

(c) Common areas and central systems/facilities

- (i) Water
- (ii) Energy

5. Commitments for Residential flat buildings - Apartment G

(a) Buildings

- (i) Materials

(b) Dwellings

- (i) Water
- (ii) Energy
- (iii) Thermal Performance

(c) Common areas and central systems/facilities

- (i) Water
- (ii) Energy

6. Commitments for multi-dwelling housing

(a) Dwellings

- (i) Water
- (ii) Energy
- (iii) Thermal Performance and Materials

7. Commitments for single dwelling houses

- (a) Dwellings
 - (i) Water
 - (ii) Energy
 - (iii) Thermal Performance and Materials

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

- (a) Buildings 'Other'
 - (i) Materials
- (b) 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 - Apartment A

(a) Buildings

(i) Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) 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 "Floor types", "External wall types", "Internal wall types", "Ceiling and roof types", "Frames" and "Glazing" tables below.			✓
(b) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all specifications included in the tables below.		✓	
(c) The applicant must construct the floors, walls, roof, ceiling and roof, windows, glazed doors and skylights of the development in accordance with the specifications listed in the tables below. In the case of glazing, a 5% variance from the area values listed in the "Frames" and "Glazing" tables is permitted.	✓	✓	✓
(d) The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the below tables.			✓

Floor types

Floor type	Area (m2)	Insulation	Low emissions option
suspended floor above garage, frame: suspended concrete slab	8526.36	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	brick veneer, frame: light steel frame	6531.8	-	rockwool batts, roll or pump-in

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame: light steel frame	5686.4	-

Reinforcement concrete frames/columns		
Building has reinforced concrete frame/columns?	Volume (m³)	Low emissions option
yes	100	-

Ceiling and roof types			
Ceiling and roof type	Area (m²)	Roof Insulation	Ceiling Insulation
framed - metal roof, frame: light steel frame	3813	foil/sarking	-
framed - concrete tiles, frame: light steel frame	3813	foil/sarking	-

Glazing types			Frame types				
Single glazing (m²)	Double glazing (m²)	Triple glazing (m²)	Aluminium frames (m²)	Timber frames (m²)	uPVC frames (m²)	Steel frames (m²)	Composite frames (m²)
-	2170	-	-	-	-	-	2170

(b) 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: (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 (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.		✓ ✓	✓ ✓
(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
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	6 star	6 star	-	4 star	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
A1.03, A1.04, A1.05, A1.06, A2.02, A2.03, A2.04, A2.05, A2.06, A2.07	No alternative water supply	-	-	-	-	-	-	-
All other dwellings	Central water tank (No. 1)	See central systems	See central systems	yes	yes	no	no	no

(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.		✓ ✓	

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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	manual on / timer off	individual fan, ducted to façade	manual switch on/off	individual fan, ducted to façade	manual switch on/off

	Cooling		Heating		Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bathrooms or toilets	Main kitchen
A1.03, A1.04, A1.05, A1.06, A2.02, A2.03, A2.04, A2.05, A2.06, A2.07	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.5 - 4.0	1-phase airconditioning - non ducted / EER 3.5 - 4.0	0	-

	Cooling		Heating		Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bathrooms or toilets	Main kitchen
All other dwellings	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.5 - 4.0	1-phase airconditioning - non ducted / EER 3.5 - 4.0	0	no

	Individual pool			Individual spa		Appliances other efficiency measures				
Dwelling no.	Pool heating system	Pool Pump	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Dishwasher	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
A1.03, A1.04, A1.05, A1.06, A2.02, A2.03, A2.04, A2.05, A2.06, A2.07	-	-	-	-	-	induction cooktop & electric oven	3.5 star	2 star	-	-
All other dwellings	-	-	-	-	-	induction cooktop & electric oven	3.5 star	2 star	no	no

(iii) Thermal Performance	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.			

(iii) Thermal Performance	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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.	✓	✓	✓
(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.		✓	

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m²/yr)	Area adjusted cooling load (in MJ/m²/yr)	Area adjusted total load (in MJ/m²/yr)
A1.01.01	20.1	7.5	27.600
A1.01.02	5.9	11.0	16.900
A1.01.03	6.2	7.3	13.500
A1.01.04	15.2	10	25.200
A1.01.05	27.7	6.0	33.700
A1.02.02	6.40	9.8	16.200
A1.02.03	4.60	7.8	12.400
A1.03	22.6	3.8	26.400
A1.03.01	22.1	6.7	28.800
A1.03.02	6.9	9.5	16.400
A1.03.03	4.9	7.7	12.600
A1.03.04	9.6	8.1	17.700
A1.03.05	6.0	6.7	12.700

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
A1.03.07	9.6	7.3	16.900
A1.03.08	9.5	7.3	16.800
A1.03.09	9.8	7.3	17.100
A1.03.10	9.7	7.2	16.900
A1.03.11	10.4	7.1	17.500
A1.03.12	18.5	6.4	24.900
A1.04	16.10	3.5	19.600
A1.04.01	22.8	6.7	29.500
A1.04.02	15.4	8.2	23.600
A1.04.03	10.8	6.6	17.400
A1.04.04	15.9	8.6	24.500
A1.04.05	9.49	6.8	16.290
A1.04.07	10.4	8.4	18.800
A1.04.08	9.3	7.7	17.000
A1.04.09	10.3	8.0	18.300
A1.04.10	9.4	8.8	18.200
A1.04.11	11.0	8.0	19.000
A1.04.12	17.20	7.2	24.400
A1.05	15.8	3.4	19.200
A1.05.01	23.1	5.4	28.500
A1.05.02	11.80	6.8	18.600
A1.06	16.1	3.5	19.600
A1.06.01	23.6	5.4	29.000
A1.06.02	11	6.8	17.800
A1.06.03	3.1	19.9	23.000
A1.06.04	1.60	18.8	20.400
A1.06.05	10.10	5.6	15.700
A1.06.06	15.50	4.9	20.400
A1.06.07	17.4	6.2	23.600
A1.07.01	30	7.3	37.300
A1.07.02	18.5	8.2	26.700

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m²/yr)	Area adjusted cooling load (in MJ/m²/yr)	Area adjusted total load (in MJ/m²/yr)
A1.07.03	8.1	21.2	29.300
A1.07.04	4.60	21	25.600
A1.07.05	17.7	7.0	24.700
A1.07.06	22.9	5.8	28.700
A1.07.07	24.8	9.2	34.000
A1.UG.01	25.9	5.1	31.000
A1.UG.02	5.3	7.6	12.900
A1021	21.10	7.0	28.100
A2.01.01	7.8	9.8	17.600
A2.01.02	6.5	7.5	14.000
A2.01.03	20.4	6.5	26.900
A2.02	20.4	3.3	23.700
A2.02.01	6.20	9.1	15.300
A2.02.02	7.0	7.0	14.000
A2.02.03	21.60	6.2	27.800
A2.03	16.6	2.7	19.300
A2.03.01	6.8	8.8	15.600
A2.03.02	7.5	7.0	14.500
A2.03.03	22.4	6.1	28.500
A2.03.04	15.5	6.2	21.700
A2.03.05	11.1	5.4	16.500
A2.03.06	10	6.2	16.200
A2.03.07	9.6	6.6	16.200
A2.03.08	9.6	7.0	16.600
A2.03.09	9.5	7.2	16.700
A2.03.10	5.3	7.0	12.300
A2.03.12	8.70	7.0	15.700
A2.04	16.5	2.9	19.400
A2.04.01	14.3	7.2	21.500
A2.04.02	15.4	6.4	21.800
A2.04.03	23	6.0	29.000

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
A2.04.04	19.4	7.3	26.700
A2.04.05	12.6	6.2	18.800
A2.04.06	10.5	7.5	18.000
A2.04.07	10.20	7.9	18.100
A2.04.08	9.2	7.8	17.000
A2.04.09	10.5	8.5	19.000
A2.04.11	11.2	6.7	17.900
A2.04.12	14.9	7.5	22.400
A2.05	16	3.2	19.200
A2.05.01	10.60	8.2	18.800
A2.05.02	21.9	5.0	26.900
A2.06	16.30	3.3	19.600
A2.06.01	17.2	10.2	27.400
A2.06.02	28.7	7.2	35.900
A2.06.03	17.4	4.6	22.000
A2.06.04	16.5	5.6	22.100
A2.06.05	11.1	6.3	17.400
A2.06.06	1.4	18.4	19.800
A2.06.07	3.20	19.9	23.100
A2.07	16.00	3.4	19.400
A2.07.01	24.5	6.3	30.800
A2.07.02	23.90	8.4	32.300
A2.07.03	19	8.0	27.000
A2.07.04	4.5	20.7	25.200
A2.07.05	6.8	20.9	27.700
A2.UG.01	6.5	7.2	13.700
A1.03.06, A2.03.11	5.4	7.0	12.400
All other dwellings	11.1	6.7	17.800

(c) 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	4 star (> 6 but <= 7.5 L/min)	4 star	6 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.	✓	✓	✓

	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
Building A - HW Plant	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Building A - Firestairs	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building A - Mail / Parcels	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building A - Corridor	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building A - Hallway	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no

2. Commitments for Residential flat buildings - Apartment B

(a) Buildings

(i) Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) 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 "Floor types", "External wall types", "Internal wall types", "Ceiling and roof types", "Frames" and "Glazing" tables below.			✓
(b) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all specifications included in the tables below.		✓	
(c) The applicant must construct the floors, walls, roof, ceiling and roof, windows, glazed doors and skylights of the development in accordance with the specifications listed in the tables below. In the case of glazing, a 5% variance from the area values listed in the "Frames" and "Glazing" tables is permitted.	✓	✓	✓
(d) The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the below tables.			✓

Floor types

Floor type	Area (m2)	Insulation	Low emissions option
suspended floor above garage, frame: suspended concrete slab	24172.49	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (metal clad), frame: light steel frame	10902.4	-	rockwool batts, roll or pump-in

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame: light steel frame	15866.3	-

Reinforcement concrete frames/columns

Building has reinforced concrete frame/columns?	Volume (m³)	Low emissions option
yes	100	-

Ceiling and roof types

Ceiling and roof type	Area (m ²)	Roof Insulation	Ceiling Insulation
concrete - bare internal, frame: light steel frame	18830.5	foil backed blanket	-

Glazing types**Frame types**

Single glazing (m ²)	Double glazing (m ²)	Triple glazing (m ²)	Aluminium frames (m ²)	Timber frames (m ²)	uPVC frames (m ²)	Steel frames (m ²)	Composite frames (m ²)
-	4313.25	-	-	-	-	-	4313.25

(b) 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: (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 (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.		✓ ✓	✓ ✓
(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
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	6 star	6 star	-	4 star	5 star	-	-	-	-	-	-	-

Dwelling no.	Alternative water source							
	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
B1801, B1802, B1803, B1804, B1805, B1806, B21.1, B2101, B2102, B2103, B2110, B2607, B2608, B2615, B2616, B2707, B2708, B2804, B2805, B2806, B2807, B2808, B2815, B2816, B2904, B2905, B2906, B2913, B2914, B3113	No alternative water supply	-	-	-	-	-	-	-
All other dwellings	Central water tank (No. 1)	See central systems	See central systems	yes	yes	no	no	no

(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.	✓	✓	✓

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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. 2)	individual fan, ducted to façade	manual on / timer off	individual fan, ducted to façade	manual switch on/off	individual fan, ducted to façade	manual switch on/off

	Cooling		Heating		Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bathrooms or toilets	Main kitchen
B1801, B1802, B1803, B1804, B1805, B1806, B21.1, B2101, B2102, B2103, B2110, B2607, B2608, B2615, B2616, B2707, B2708, B2804, B2805, B2806, B2807, B2808, B2815, B2816, B2904, B2905, B2906, B2913, B2914, B3113	Central cooling system (No. 1)	Central cooling system (No. 1)	Central heating system (No. 1)	Central heating system (No. 1)	0	-
All other dwellings	Central cooling system (No. 1)	Central cooling system (No. 1)	Central heating system (No. 1)	Central heating system (No. 1)	0	no

	Individual pool			Individual spa		Appliances other efficiency measures				
Dwelling no.	Pool heating system	Pool Pump	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Dishwasher	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
B1801, B1802, B1803, B1804, B1805, B1806, B21.1, B2101, B2102, B2103, B2110,	-	-	-	-	-	induction cooktop & electric oven	3.5 star	2 star	-	-

	Individual pool			Individual spa		Appliances other efficiency measures				
Dwelling no.	Pool heating system	Pool Pump	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Dishwasher	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
B2607, B2608, B2615, B2616, B2707, B2708, B2804, B2805, B2806, B2807, B2808, B2815, B2816, B2904, B2905, B2906, B2913, B2914, B3113										
All other dwellings	-	-	-	-	-	induction cooktop & electric oven	3.5 star	2 star	no	no

(iii) Thermal Performance	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.	✓		

(iii) Thermal Performance	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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.	✓	✓	✓
(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.		✓	

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m²/yr)	Area adjusted cooling load (in MJ/m²/yr)	Area adjusted total load (in MJ/m²/yr)
B1.01.01	21.9	6.1	28.000
B1.01.02	6.5	6.2	12.700
B1.02.01	22	6.0	28.000
B1.02.02	7.2	6.2	13.400
B1.02.03	0.3	16.1	16.400
B1.02.05	1	15.9	16.900
B1.02.08	0.2	14.1	14.300
B1.02.12	11.90	5.2	17.100
B1.02.14	11.90	6.5	18.400
B1.03.01	22.5	6.0	28.500
B1.03.02	11.60	8.2	19.800
B1.04.01	22	6.2	28.200
B1.04.02	10.3	6.0	16.300

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
B1.04.03	0.8	13.4	14.200
B1.04.04	0.30	10.8	11.100
B1.04.05	0.4	10.8	11.200
B1.04.06	0.5	11	11.500
B1.04.07	0.4	10.9	11.300
B1.04.08	0.40	10.8	11.200
B1.04.14	12.4	6.1	18.500
B1.05.01	20.2	6.5	26.700
B1.05.02	9.4	5.8	15.200
B1.06.01	17.2	6.8	24.000
B1.06.02	8.0	5.9	13.900
B1.06.03	0.5	12.0	12.500
B1.06.04	1.80	11.5	13.300
B1.06.06	6.10	3.2	9.300
B1.06.07	11.50	17.7	29.200
B1.07.01	16.10	7.9	24.000
B1.07.02	16.1	7.9	24.000
B1.07.03	0.5	12.1	12.600
B1.07.05	0.5	10.7	11.200
B1.07.06	6.4	3.1	9.500
B1.07.07	11.8	17.2	29.000
B1.UG.01	33.10	4.6	37.700
B1.UG.02	12	4.8	16.800
B1.UG.03	24.2	3.3	27.500
B1801	21.7	9.8	31.500
B1802	2.9	14.3	17.200
B1803	2.6	12.4	15.000
B1804	3.2	12.8	16.000
B1805	11.3	3.9	15.200
B1806	18	19.1	37.100
B2.01.01	6.7	8.5	15.200

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
B2.01.04	14.40	5.9	20.300
B2.02.01	17.3	4.4	21.700
B2.02.04	0.20	11.9	12.100
B2.02.07	11.5	6.7	18.200
B2.02.10	10.70	5.3	16.000
B2.02.11	10	4.5	14.500
B2.02.12	10.1	4.6	14.700
B2.02.13	10	4.4	14.400
B2.02.14	8.8	6.9	15.700
B2.02.15	7.9	6.6	14.500
B2.03.01	0.2	11.3	11.500
B2.03.02	0.20	11	11.200
B2.03.03	14.8	6.3	21.100
B2.04.01	13.80	4.4	18.200
B2.04.02	12.40	5.0	17.400
B2.04.03	0.4	11	11.400
B2.04.04	1.4	9.6	11.000
B2.04.07	15.1	6.3	21.400
B2.04.12	10.3	4.4	14.700
B2.04.13	10.1	4.3	14.400
B2.04.14	10	6.4	16.400
B2.05.01	0.3	10.9	11.200
B2.05.03	15.6	6.5	22.100
B2.06.01	12.40	14.9	27.300
B2.06.02	7.0	3.3	10.300
B2.06.04	0.4	10.4	10.800
B2.06.11	11.3	5.7	17.000
B2.06.12	10.60	4.8	15.400
B2.06.13	10.8	4.8	15.600
B2.07.01	12.7	14.7	27.400
B2.07.02	7.3	3.2	10.500

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
B2.07.03	0.5	10.8	11.300
B2.08.01	12.90	14.4	27.300
B2.08.02	8.3	3.2	11.500
B2.08.03	0.60	9.7	10.300
B2.09.01	3.4	10.9	14.300
B2.09.02	3.2	10.9	14.100
B2.09.03	1.1	9.8	10.900
B2.UG.01	11.30	5.1	16.400
B2.UG.03	10.7	4.0	14.700
B2.UG.05	7.70	8.5	16.200
B2.UG.06	6.9	7.9	14.800
B2.UG.08	33.9	3.6	37.500
B2.UG.09	24.50	3.1	27.600
B21.1	13.6	7.0	20.600
B2101	3.4	10.5	13.900
B2102	3.5	10.5	14.000
B2103	24.6	6.7	31.300
B2110	14.6	7.9	22.500
B2608	15.7	6.4	22.100
B2615	11	6.6	17.600
B2616	9.9	6.3	16.200
B2708	15.9	6.3	22.200
B2806	0.60	9.5	10.100
B2808	18	5.8	23.800
B2815	9.1	5.7	14.800
B2816	8.2	5.3	13.500
B2906	18.2	5.8	24.000
B2913	7.9	5.6	13.500
B2914	7.1	5.4	12.500
B3.01.03	25.9	8.1	34.000
B3.02.03	26.7	8.3	35.000

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
B3.02.06	33.8	4.2	38.000
B3.02.07	24	5.4	29.400
B3.02.08	7.1	8.3	15.400
B3.02.09	8.2	8.3	16.500
B3.02.10	10.10	4.6	14.700
B3.02.11	9.9	4.6	14.500
B3.02.12	10.4	4.6	15.000
B3.02.13	9.9	4.4	14.300
B3.03.03	27.30	8.7	36.000
B3.04.03	27.5	8.9	36.400
B3.04.06	19.1	4.8	23.900
B3.04.07	16.2	4.6	20.800
B3.04.08	14.8	5.6	20.400
B3.04.09	7.9	8.1	16.000
B3.04.10	9.0	7.9	16.900
B3.04.11	10.30	4.3	14.600
B3.04.13	10.5	4.4	14.900
B3.04.15	11.1	5.4	16.500
B3.05.03	27.8	8.9	36.700
B3.06.03	27.6	9.2	36.800
B3.06.06	19.10	4.6	23.700
B3.06.07	14.80	4.6	19.400
B3.06.08	13.4	5.9	19.300
B3.06.09	8.4	7.9	16.300
B3.06.10	9.6	7.7	17.300
B3.06.13	10.9	4.9	15.800
B3.06.15	11.5	5.9	17.400
B3.07.03	27.6	9.4	37.000
B3.08.03	27.7	9.4	37.100
B3.08.06	20.70	4.4	25.100
B3.08.07	14.6	4.5	19.100

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
B3.08.08	9.20	5.3	14.500
B3.08.09	6.6	8.1	14.700
B3.08.10	7.7	6.6	14.300
B3.09.03	28.2	9.4	37.600
B3.09.08	7.8	5.8	13.600
B3.09.09	5.8	8.1	13.900
B3.09.10	6.60	6.6	13.200
B3.10.03	28.5	9.4	37.900
B3.10.08	9.2	5.8	15.000
B3.10.09	7.2	8.4	15.600
B3.10.10	8.0	7.3	15.300
B3.11.08	9.6	13.1	22.700
B3.11.09	23	10.4	33.400
B3.11.10	9.2	13.7	22.900
B3.11.11	4.20	10.8	15.000
B3.11.12	3.90	10.7	14.600
B3.11.13	7.4	14.1	21.500
B3.UG.03	29.30	7.9	37.200
B3.UG.06	6.5	8.3	14.800
B3.UG.07	7.3	8.2	15.500
B3.UG.08	12.6	4.1	16.700
B3.UG.09	12.60	4.2	16.800
B3.UG.12	13.70	5.0	18.700
B3113	22	15.4	37.400
B4.01.01	25.9	4.8	30.700
B4.01.02	10.6	6.0	16.600
B4.02.01	26.8	4.6	31.400
B4.02.02	11.1	6.2	17.300
B4.02.03	18.5	7.2	25.700
B4.02.04	18.6	6.9	25.500
B4.02.05	17.8	7.0	24.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
B4.02.06	30.80	6.3	37.100
B4.02.07	16.20	5.1	21.300
B4.02.09	16.20	4.9	21.100
B4.02.11	16.1	6.4	22.500
B4.03.01	26.9	4.9	31.800
B4.03.02	11.1	6.3	17.400
B4.04.01	26.6	4.7	31.300
B4.04.02	10.3	6.4	16.700
B4.04.03	17	7.1	24.100
B4.04.04	17	6.8	23.800
B4.04.05	16.8	6.8	23.600
B4.04.06	16.4	4.8	21.200
B4.04.07	16.7	4.8	21.500
B4.04.08	17.2	4.8	22.000
B4.04.09	16.9	4.7	21.600
B4.04.10	17.2	4.7	21.900
B4.04.11	16.9	6.0	22.900
B4.05.01	25.5	4.8	30.300
B4.05.02	9.0	6.5	15.500
B4.06.01	23.1	4.9	28.000
B4.06.02	6.9	6.7	13.600
B4.06.03	14.3	7.0	21.300
B4.06.04	14.6	6.7	21.300
B4.06.05	13.3	8.6	21.900
B4.06.06	15.7	4.6	20.300
B4.06.07	15.9	4.5	20.400
B4.06.08	16.4	4.7	21.100
B4.06.09	16.1	4.5	20.600
B4.06.10	16.50	4.5	21.000
B4.06.11	16.2	5.9	22.100
B4.07.01	21.30	4.8	26.100

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
B4.07.02	5.3	6.7	12.000
B4.08.01	21	5.2	26.200
B4.08.02	5.1	6.6	11.700
B4.08.03	8.8	6.6	15.400
B4.08.04	9.10	6.3	15.400
B4.08.06	15.3	4.5	19.800
B4.08.07	16.1	4.3	20.400
B4.08.08	16.2	4.3	20.500
B4.08.09	15.90	4.3	20.200
B4.08.10	16.2	4.5	20.700
B4.08.11	16.1	5.9	22.000
B4.09.01	21.3	5.0	26.300
B4.09.02	5.1	6.5	11.600
B4.09.03	6.80	6.4	13.200
B4.09.04	6.9	6.3	13.200
B4.09.05	6.9	6.4	13.300
B4.10.01	21.3	5.3	26.600
B4.10.02	4.9	6.6	11.500
B4.10.03	6.8	7.1	13.900
B4.10.04	7.1	6.7	13.800
B4.10.05	5.7	8.2	13.900
B4.11.01	30.7	7.2	37.900
B4.11.02	11.90	13.5	25.400
B4.11.03	13	13.3	26.300
B4.11.04	8.3	11.1	19.400
B4.11.05	10.70	13.2	23.900
B4.11.06	8.5	11.2	19.700
B4.11.07	10	13.3	23.300
B4.11.08	8.6	11.3	19.900
B4.UG.01	31	4.2	35.200
B4.UG.02	16.7	4.7	21.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
B1.02.04, B1.02.07	0.2	14.3	14.500
B1.02.06, B2.02.03	0.2	14.4	14.600
B1.02.11, B1.02.13	11.8	5.2	17.000
B1.04.11, B1.04.12	12.4	5.1	17.500
B1.06.05, B2.06.03	0.4	10.7	11.100
B1.UG.04, B1.UG.06	24.5	3.1	27.600
B1.UG.05, B1.UG.07	24.3	3.1	27.400
B2.01.02, B2.01.03	0.4	10.2	10.600
B2.02.05, B2.02.06	0.1	10.8	10.900
B2.04.05, B2.04.06	0.3	8.9	9.200
B2.04.10, B3.02.14	10.9	5.4	16.300
B2.04.15, B4.08.05	9.0	6.3	15.300
B2.06.14, B3.06.11	10.7	4.9	15.600
B2.UG.02, B2.UG.04	10.6	4.0	14.600
B2904, B2905	0.6	8.7	9.300
B3.06.12, B3.06.14	10.6	4.9	15.500
B3.UG.10, B3.UG.11	12.6	3.8	16.400
B4.02.08, B4.02.10	16.3	4.9	21.200
B1.02.09, B1.02.10, B2.02.02	11.9	5.2	17.100
B1.04.09, B1.04.10, B1.04.13	12.4	5.0	17.400
B1.07.04, B2.06.05, B2.07.04	0.4	10.5	10.900
B2.04.11, B3.04.12, B3.04.14	10.1	4.4	14.500
B2.05.02, B2.06.06, B2607	0.3	10.7	11.000
B2.07.05, B2.07.06, B2707	0.4	10.6	11.000
All other dwellings	0.6	9.5	10.100

(c) 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	4 star (> 6 but <= 7.5 L/min)	4 star	6 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.	✓	✓	✓

	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
Building B - Gym	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensors	no
Building B - Library	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Building B - Library / Lounge	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Building B - Communal	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Building B - OSD Tank	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Building B - Firestairs	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building B - Store	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building B - Wc	ventilation exhaust only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	no
Building B - Ground Lobby	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building B - Hallway	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no

3. Commitments for Residential flat buildings - Apartment E

(a) Buildings

(i) Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) 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 "Floor types", "External wall types", "Internal wall types", "Ceiling and roof types", "Frames" and "Glazing" tables below.			✓
(b) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all specifications included in the tables below.		✓	
(c) The applicant must construct the floors, walls, roof, ceiling and roof, windows, glazed doors and skylights of the development in accordance with the specifications listed in the tables below. In the case of glazing, a 5% variance from the area values listed in the "Frames" and "Glazing" tables is permitted.	✓	✓	✓
(d) The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the below tables.			✓

Floor types			
Floor type	Area (m2)	Insulation	Low emissions option
suspended floor above garage, frame: suspended concrete slab	10014.46	-	-

External wall types				
External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	brick veneer,frame:light steel frame	4106	-	rockwool batts, roll or pump-in

Internal wall types			
Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	5786	-

Reinforcement concrete frames/columns		
Building has reinforced concrete frame/columns?	Volume (m³)	Low emissions option
yes	100	-

Ceiling and roof types

Ceiling and roof type	Area (m²)	Roof Insulation	Ceiling Insulation
concrete - bare internal, frame: light steel frame	7182.4	foil backed blanket	-

Glazing types**Frame types**

Single glazing (m²)	Double glazing (m²)	Triple glazing (m²)	Aluminium frames (m²)	Timber frames (m²)	uPVC frames (m²)	Steel frames (m²)	Composite frames (m²)
-	2535.14	-	-	-	-	-	2535.14

(b) 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: (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 (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.		✓ ✓	✓ ✓
(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
E2110, E2111	4 star (> 6 but ≤ 7.5 L/min)	4 star	6 star	6 star	-	4 star	5 star	-	-	-	-	-	-	-

	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
All other dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	6 star	6 star	-	4 star	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
E2110, E2111	No alternative water supply	-	-	-	-	-	-	-
All other dwellings	Central water tank (No. 1)	See central systems	See central systems	yes	yes	no	no	no

(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.		✓	✓

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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. 3)	individual fan, ducted to façade	manual on / timer off	individual fan, ducted to façade	manual switch on/off	individual fan, ducted to façade	manual switch on/off

	Cooling		Heating		Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bathrooms or toilets	Main kitchen
E2110, E2111	-	-	-	-	0	-
All other dwellings	Central cooling system (No. 2)	Central cooling system (No. 2)	Central heating system (No. 2)	Central heating system (No. 2)	0	no

	Individual pool			Individual spa		Appliances other efficiency measures				
Dwelling no.	Pool heating system	Pool Pump	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Dishwasher	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
E2110, E2111	-	-	-	-	-	induction cooktop & electric oven	3.5 star	2 star	-	-
All other dwellings	-	-	-	-	-	induction cooktop & electric oven	3.5 star	2 star	no	no

(iii) Thermal Performance	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 Performance	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/m²/yr)	Area adjusted cooling load (in MJ/m²/yr)	Area adjusted total load (in MJ/m²/yr)
E1.01.02	15.1	7.6	22.700
E1.01.03	16.80	7.5	24.300
E1.02.02	15.8	7.8	23.600
E1.02.03	20.6	6.0	26.600
E1.02.04	15.6	6.2	21.800
E1.02.05	15.5	6.0	21.500
E1.02.06	15.6	5.7	21.300
E1.02.07	15.60	5.3	20.900
E1.02.08	24	8.3	32.300
E1.02.09	22.5	8.2	30.700
E1.03.02	15.9	7.5	23.400
E1.03.03	21.2	6.1	27.300
E1.04.02	15.6	7.5	23.100
E1.04.03	21.4	6.3	27.700
E1.04.08	19.7	7.2	26.900
E1.04.09	14.3	7.5	21.800
E1.05.02	20.20	15.1	35.300
E1.05.03	21.5	6.4	27.900
E1.05.08	14.9	7.6	22.500
E1.05.09	13.6	7.2	20.800
E1.06.02	13.1	7.9	21.000
E1.06.03	21.5	6.6	28.100
E1.06.08	13.70	7.6	21.300
E1.06.09	12.6	7.2	19.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
E1.07.02	11.3	8.0	19.300
E1.07.03	21.3	6.7	28.000
E1.07.08	10.7	7.3	18.000
E1.07.09	9.7	7.0	16.700
E1.08.02	9.8	8.0	17.800
E1.08.03	21.6	6.7	28.300
E1.08.08	7.50	7.5	15.000
E1.08.09	6.7	7.2	13.900
E1.09.02	16.1	8.9	25.000
E1.09.03	29.7	8.1	37.800
E1.09.08	6.1	7.6	13.700
E1.09.09	5.4	7.2	12.600
E1.10.05	13.3	8.4	21.700
E1.10.06	12.3	8.1	20.400
E1.11.05	10.5	10.2	20.700
E1.11.06	9.7	9.7	19.400
E1.G.01	9.1	6.9	16.000
E1.G.02	2.0	6.9	8.900
E1.G.03	2.1	6.5	8.600
E1.G.04	2.2	6.3	8.500
E1.UG.01	11.4	7.4	18.800
E1.UG.02	11.3	7.1	18.400
E1.UG.03	11.4	6.6	18.000
E1.UG.04	11.5	5.7	17.200
E2.01.01	18.4	5.3	23.700
E2.01.02	11.1	5.7	16.800
E2.02.01	18.90	5.0	23.900
E2.02.02	11.1	15.1	26.200
E2.02.04	25.60	5.8	31.400
E2.02.05	26.9	5.4	32.300
E2.02.06	15.8	5.0	20.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m²/yr)	Area adjusted cooling load (in MJ/m²/yr)	Area adjusted total load (in MJ/m²/yr)
E2.02.07	16	4.9	20.900
E2.02.08	13.5	6.0	19.500
E2.02.09	13.7	6.4	20.100
E2.03.01	18.2	5.6	23.800
E2.03.02	11.9	6.8	18.700
E2.04.01	17.4	5.5	22.900
E2.04.02	14.60	6.2	20.800
E2.04.04	27.2	5.4	32.600
E2.04.05	22.4	5.2	27.600
E2.05.01	14.7	5.6	20.300
E2.05.02	8.9	7.5	16.400
E2.05.04	16.3	6.0	22.300
E2.05.05	16.50	5.4	21.900
E2.06.01	11.8	6.2	18.000
E2.06.02	6.00	7.9	13.900
E2.06.04	13.5	6.3	19.800
E2.06.05	13.70	5.7	19.400
E2.07.01	10.6	6.4	17.000
E2.07.02	5.0	7.8	12.800
E2.07.04	10	6.2	16.200
E2.07.05	10.5	5.8	16.300
E2.08.01	10.7	6.2	16.900
E2.08.02	4.3	8.0	12.300
E2.08.04	6.8	6.3	13.100
E2.08.05	7.3	5.6	12.900
E2.09.01	11.0	6.1	17.100
E2.09.02	3.4	8.0	11.400
E2.09.04	5.3	6.4	11.700
E2.09.05	5.9	5.9	11.800
E2.10.01	11.4	6.1	17.500
E2.10.02	2.9	8.0	10.900

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m²/yr)	Area adjusted cooling load (in MJ/m²/yr)	Area adjusted total load (in MJ/m²/yr)
E2.10.04	5.90	6.9	12.800
E2.10.05	6.6	6.4	13.000
E2.11.01	22.8	9.0	31.800
E2.11.02	7.90	12.7	20.600
E2.11.04	9.2	11.0	20.200
E2.11.05	3.8	9.0	12.800
E2.11.06	5.0	9.7	14.700
E2.11.07	7.2	10.6	17.800
E2.11.08	29.2	8.7	37.900
E2.11.09	23.2	7.0	30.200
E2.G.01	2.5	5.9	8.400
E2.G.02	2.2	6.1	8.300
E2.UG.01	22.5	4.5	27.000
E2.UG.02	14.5	4.5	19.000
E2.UG.04	11.7	5.4	17.100
E2.UG.05	11.9	5.3	17.200
E2.UG.06	12	5.4	17.400
E2.UG.07	12.4	5.7	18.100
E2110	22.6	13.6	36.200
E2111	22.9	13.5	36.400
All other dwellings	2.1	6.3	8.400

(c) 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	4 star (> 6 but <= 7.5 L/min)	4 star	6 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.	✓	✓	✓

	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
Building E - MSR	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Building E - Waste	ventilation exhaust only	-	light-emitting diode	manual on / manual off	no
Building E - Cleaners / Bump in	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building E - Fire Stairs	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building E - Bicycle parking / temporary loading	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building E - Lobby	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building E - Hallway	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no

4. Commitments for Residential flat buildings - Apartment F

(a) Buildings

(i) Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) 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 "Floor types", "External wall types", "Internal wall types", "Ceiling and roof types", "Frames" and "Glazing" tables below.			✓
(b) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all specifications included in the tables below.		✓	
(c) The applicant must construct the floors, walls, roof, ceiling and roof, windows, glazed doors and skylights of the development in accordance with the specifications listed in the tables below. In the case of glazing, a 5% variance from the area values listed in the "Frames" and "Glazing" tables is permitted.	✓	✓	✓
(d) The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the below tables.			✓

Floor types

Floor type	Area (m2)	Insulation	Low emissions option
suspended floor above garage, frame: suspended concrete slab	3277.94	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (metal clad), frame: light steel frame	939	-	rockwool batts, roll or pump-in
External wall type 2	brick veneer, frame: light steel frame	939	-	rockwool batts, roll or pump-in

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame: light steel frame	1676	-

Reinforcement concrete frames/columns		
Building has reinforced concrete frame/columns?	Volume (m³)	Low emissions option
yes	100	-

Ceiling and roof types			
Ceiling and roof type	Area (m²)	Roof Insulation	Ceiling Insulation
concrete - bare internal, frame: light steel frame	2357.6	foil backed blanket	-

Glazing types			Frame types				
Single glazing (m²)	Double glazing (m²)	Triple glazing (m²)	Aluminium frames (m²)	Timber frames (m²)	uPVC frames (m²)	Steel frames (m²)	Composite frames (m²)
-	835.5	-	-	-	-	-	835.5

(b) 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: (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 (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.		✓ ✓	✓ ✓
(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
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	6 star	6 star	-	4 star	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	Central water tank (No. 1)	See central systems	See central systems	yes	yes	no	no	no

(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;		✓	

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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. 4)	individual fan, ducted to façade	manual on / timer off	individual fan, ducted to façade	manual switch on/off	individual fan, ducted to façade	manual switch on/off

	Cooling		Heating		Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bathrooms or toilets	Main kitchen
All dwellings	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.5 - 4.0	1-phase airconditioning - non ducted / EER 3.5 - 4.0	0	no

	Individual pool			Individual spa		Appliances other efficiency measures				
Dwelling no.	Pool heating system	Pool Pump	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Dishwasher	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	-	induction cooktop & electric oven	3.5 star	2 star	no	no

(iii) Thermal Performance	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.	✓	✓	✓
(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 ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
F.01.01	6.0	5.6	11.600
F.01.02	15.3	5.6	20.900
F.01.03	23.6	6.9	30.500
F.01.04	22.30	5.0	27.300

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
F.01.05	7.3	6.0	13.300
F.01.06	4.5	18.1	22.600
F.02.01	6.6	5.5	12.100
F.02.02	15.60	5.4	21.000
F.02.03	24.3	7.2	31.500
F.02.04	23.2	5.1	28.300
F.02.05	7.8	5.8	13.600
F.02.06	4.7	17.7	22.400
F.03.01	14.6	5.5	20.100
F.03.02	15.10	5.4	20.500
F.03.03	25.8	7.2	33.000
F.03.04	23.90	5.1	29.000
F.03.05	14.7	5.1	19.800
F.03.06	12.6	17.5	30.100
F.04.01	8.6	8.3	16.900
F.04.02	12.90	5.0	17.900
F.04.03	22.8	15.2	38.000
F.04.04	23.20	5.6	28.800
F.04.05	15.8	11.4	27.200
F.05.01	4.6	10.1	14.700
F.05.02	10.8	4.9	15.700
F.05.03	22.4	15.3	37.700
F.05.04	23	5.8	28.800
F.05.05	11.4	13.3	24.700
F.06.01	6.2	15.5	21.700
F.06.02	15.9	6.5	22.400
F.06.03	20.6	17.3	37.900
F.06.04	29.3	8.1	37.400
F.06.05	15.1	15.3	30.400
F.G.01	22.8	3.8	26.600
F.G.02	10.40	4.2	14.600

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
F.G.03	1.6	4.5	6.100
F.UG.01	7.5	5.7	13.200
F.UG.02	17.7	5.4	23.100
F.UG.03	26.9	6.5	33.400
F.UG.04	20.9	4.9	25.800
F.UG.05	6.4	6.1	12.500
All other dwellings	4.2	18.5	22.700

(c) 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	4 star (> 6 but <= 7.5 L/min)	4 star	6 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.	✓	✓	✓

	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
Building F - Waste	ventilation exhaust only	-	light-emitting diode	manual on / manual off	no
Building F - Communal	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Building E - Workstudio	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Building E - Library	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Building F - Fire stairs	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building F - Bump in / Cleaners	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building F - Lobby	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building F - Hallway	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no

5. Commitments for Residential flat buildings - Apartment G

(a) Buildings

(i) Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) 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 "Floor types", "External wall types", "Internal wall types", "Ceiling and roof types", "Frames" and "Glazing" tables below.			✓
(b) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all specifications included in the tables below.		✓	
(c) The applicant must construct the floors, walls, roof, ceiling and roof, windows, glazed doors and skylights of the development in accordance with the specifications listed in the tables below. In the case of glazing, a 5% variance from the area values listed in the "Frames" and "Glazing" tables is permitted.	✓	✓	✓
(d) The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the below tables.			✓

Floor types

Floor type	Area (m2)	Insulation	Low emissions option
suspended floor above garage, frame: suspended concrete slab	4017.40	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	brick veneer, frame: light steel frame	3789	-	rockwool batts, roll or pump-in

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame: light steel frame	3038	-

Reinforcement concrete frames/columns

Building has reinforced concrete frame/columns?	Volume (m³)	Low emissions option
yes	100	-

Ceiling and roof types

Ceiling and roof type	Area (m²)	Roof Insulation	Ceiling Insulation
framed - concrete tiles, frame: light steel frame	4635.9	foil backed blanket	-

Glazing types

Frame types

Single glazing (m²)	Double glazing (m²)	Triple glazing (m²)	Aluminium frames (m²)	Timber frames (m²)	uPVC frames (m²)	Steel frames (m²)	Composite frames (m²)
0	1453.3	0	0	0	-	0	1453.3

(b) 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: (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 (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.		✓ ✓	✓ ✓
(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
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	6 star	6 star	-	4 star	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	Central water tank (No. 1)	See central systems	See central systems	yes	yes	no	no	no

(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;		✓	

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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. 5)	individual fan, ducted to façade	manual on / timer off	individual fan, ducted to façade	manual switch on/off	individual fan, ducted to façade	manual switch on/off

	Cooling		Heating		Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bathrooms or toilets	Main kitchen
All dwellings	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.5 - 4.0	1-phase airconditioning - non ducted / EER 3.5 - 4.0	0	no

	Individual pool			Individual spa		Appliances other efficiency measures				
Dwelling no.	Pool heating system	Pool Pump	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Dishwasher	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	-	induction cooktop & electric oven	3.5 star	2 star	no	no

(iii) Thermal Performance	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.	✓	✓	✓
(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 ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
G1.01.01	17.3	6.6	23.900
G1.01.02	10.8	5.8	16.600
G1.01.03	19.4	5.5	24.900
G1.01.04	16.7	5.7	22.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
G1.01.05	25.5	7.6	33.100
G1.02.01	15.1	8.6	23.700
G1.02.02	11.5	5.8	17.300
G1.02.03	17.2	5.5	22.700
G1.02.04	11.3	3.9	15.200
G1.03.01	24.8	8.7	33.500
G1.03.02	19.1	7.8	26.900
G1.03.03	18.2	5.4	23.600
G1.03.04	13	3.3	16.300
G1.04.01	15.9	5.7	21.600
G1.04.02	21.5	3.7	25.200
G1.05.01	19.60	4.9	24.500
G1.G.01	27.1	4.7	31.800
G1.G.02	8.9	5.3	14.200
G1.G.03	24	4.2	28.200
G1.G.04	19.3	4.8	24.100
G1.G.05	18.8	4.8	23.600
G1.G.06	32.8	5.0	37.800
G1.UG.01	12.7	5.3	18.000
G1.UG.02	9.6	6.1	15.700
G2.01.03	26.5	9.1	35.600
G2.01.04	21.4	7.2	28.600
G2.01.05	22.1	6.7	28.800
G2.02.01	29.70	8.2	37.900
G2.02.02	19.5	14.1	33.600
G2.02.03	13.7	3.7	17.400
G2.02.04	17.4	5.4	22.800
G2.03.01	29.9	7.9	37.800
G2.03.02	23.6	10.8	34.400
G2.03.03	15.6	3.4	19.000
G2.03.04	17.9	5.4	23.300

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m²/yr)	Area adjusted cooling load (in MJ/m²/yr)	Area adjusted total load (in MJ/m²/yr)
G2.04.01	21	9.3	30.300
G2.04.02	29.20	8.5	37.700
G2.04.03	22.8	3.7	26.500
G2.04.04	21.9	5.2	27.100
G2.05.02	27.5	4.6	32.100
G2.G.01	25.6	8.2	33.800
G2.G.02	23.9	12.3	36.200
G2.G.03	32.8	5.2	38.000
G2.G.04	20.8	4.8	25.600
G2.G.05	19.50	4.8	24.300
G2.G.06	25.8	4.3	30.100
G2.UG.01	29.3	8.1	37.400
G2.UG.02	29.2	7.1	36.300
All other dwellings	29.8	8.0	37.800

(c) 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	4 star (> 6 but <= 7.5 L/min)	4 star	6 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.	✓	✓	✓

	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
Building G - Waste	ventilation exhaust only	-	light-emitting diode	manual on / manual off	no
Building G - Airlock	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building G - Fire stairs	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building G - Lobby	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Building G - Hallway	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no

6. Commitments for multi-dwelling housing

(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: (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 (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.		✓ ✓	✓ ✓
(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.	✓	✓	✓
(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.		✓	✓

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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".		✓	
(iii) Thermal Performance and Materials	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.			

(iii) Thermal Performance and Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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.	✓	✓	✓
(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.		✓	

7. Commitments for single dwelling houses

(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: (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 (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.		✓ ✓	✓ ✓
(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.	✓	✓	✓
(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.		✓	✓

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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".		✓	
(iii) Thermal Performance and Materials	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.			

(iii) Thermal Performance and Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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.	✓	✓	✓
(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.		✓	

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

(a) Buildings 'Other'

(i) Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) 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 "Floor types", "External wall types", "Internal wall types", "Ceiling and roof types", "Frames" and "Glazing" tables below.			✓
(b) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all specifications included in the tables below.		✓	
(c) The applicant must construct the floors, walls, roof, ceiling and roof, windows, glazed doors and skylights of the development in accordance with the specifications listed in the tables below. In the case of glazing, a 5% variance from the area values listed in the "Frames" and "Glazing" tables is permitted.	✓	✓	✓
(d) The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the below tables.			✓

Floor types

Floor type	Area (m2)	Insulation	Low emissions option
suspended floor above garage, frame: suspended concrete slab	27192.68	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	brick veneer,frame:light steel frame	1000	-	rockwool batts, roll or pump-in

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	5786	-

Reinforcement concrete frames/columns

Building has reinforced concrete frame/columns?	Volume (m³)	Low emissions option
-	-	-

Ceiling and roof types

Ceiling and roof type	Area (m²)	Roof Insulation	Ceiling Insulation
-	-	-	

Glazing types

Frame types

Single glazing (m²)	Double glazing (m²)	Triple glazing (m²)	Aluminium frames (m²)	Timber frames (m²)	uPVC frames (m²)	Steel frames (m²)	Composite frames (m²)
-	-	-	-	-	-	-	-

(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	4 star (> 6 but <= 7.5 L/min)	4 star	6 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Central water tank - rainwater or stormwater (No. 1)	20000	To collect run-off from at least: - 820 square metres of roof area of buildings in the development - 0 square metres of impervious area in the development - 0 square metres of garden/lawn area in the development - 0 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 2709 square metres of common landscaped area on the site - car washing in 2 car washing bays 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.	-

(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
Lift bank (No. 1)	-	-	light-emitting diode	connected to lift call button	yes
Lift bank (No. 2)	-	-	light-emitting diode	connected to lift call button	yes
Lift bank (No. 3)	-	-	light-emitting diode	connected to lift call button	yes
Lift bank (No. 4)	-	-	light-emitting diode	connected to lift call button	yes
Lift bank (No. 5)	-	-	light-emitting diode	connected to lift call button	yes
Car Park	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	zoned switching with motion sensor	no
Main Switchroom	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
FOG & Bulky Waste	ventilation exhaust only	-	light-emitting diode	manual on / manual off	no
Residential Waste - Basement	ventilation exhaust only	-	light-emitting diode	manual on / manual off	no
Communal Lounge	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	no
Wellness	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Workshop	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Dog Wash	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Bike Repair	air conditioning system	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no

	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
Hydraulic Pump & Meter Room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Sewer Pump	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
CPE Fan Room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Rain Water Filtration & Pump	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Fire Tank	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Comms Room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Fire Pump Room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Fan Room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
CPS Fan Room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Water Meter ROom	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
Fire Stairs - Basement	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Storage - Basement	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Basement Corridor	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
WC	ventilation exhaust only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	no
Fire Control Center	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Mail / Parcel - Basement	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Staff office and meeting room	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no
Basement Lobby	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	no

Central energy systems	Type	Specification
Central hot water system (No. 1)	electric heat pump – air sourced	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm) (c) Unit Efficiency: $3.0 < \text{COP} \leq 3.5$
Central hot water system (No. 2)	electric heat pump – air sourced	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm) (c) Unit Efficiency: $3.0 < \text{COP} \leq 3.5$
Central hot water system (No. 3)	electric heat pump – air sourced	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm) (c) Unit Efficiency: $3.0 < \text{COP} \leq 3.5$
Central hot water system (No. 4)	electric heat pump – air sourced	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm) (c) Unit Efficiency: $3.0 < \text{COP} \leq 3.5$
Central hot water system (No. 5)	electric heat pump – air sourced	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm) (c) Unit Efficiency: $3.0 < \text{COP} \leq 3.5$
Central cooling system (No. 1)	chilled water fan coil units	Energy source: electric driven compressor Heat rejection method: air cooled condenser Unit efficiency (min): medium – COP 3.5 – 4.5
Central cooling system (No. 2)	chilled water fan coil units	Energy source: electric driven compressor Heat rejection method: air cooled condenser Unit efficiency (min): medium – COP 3.5 – 4.5
Central heating system (No. 1)	fan coil + heater water	Energy source: electric boiler
Central heating system (No. 2)	fan coil + heater water	Energy source: electric boiler
Lift bank (No. 1)	gearless traction with V V V F motor and regenerative drive	Number of levels with apartments served by a lift: 8 number of levels from the bottom of the lift shaft to the top of the lift shaft: 9 number of lifts: 2 lift load capacity: $\geq 1001 \text{ kg}$ but $\leq 1500 \text{ kg}$
Lift bank (No. 2)	gearless traction with V V V F motor and regenerative drive	Number of levels with apartments served by a lift: 9 number of levels from the bottom of the lift shaft to the top of the lift shaft: 9 number of lifts: 6 lift load capacity: $\geq 1001 \text{ kg}$ but $\leq 1500 \text{ kg}$

Central energy systems	Type	Specification
Lift bank (No. 3)	gearless traction with V V V F motor and regenerative drive	Number of levels with apartments served by a lift: 9 number of levels from the bottom of the lift shaft to the top of the lift shaft: 10 number of lifts: 2 lift load capacity: >= 1001 kg but <= 1500kg
Lift bank (No. 4)	gearless traction with V V V F motor and regenerative drive	Number of levels with apartments served by a lift: 8 number of levels from the bottom of the lift shaft to the top of the lift shaft: 8 number of lifts: 2 lift load capacity: >= 1001 kg but <= 1500kg
Lift bank (No. 5)	gearless traction with V V V F motor and regenerative drive	Number of levels with apartments served by a lift: 8 number of levels from the bottom of the lift shaft to the top of the lift shaft: 8 number of lifts: 4 lift load capacity: >= 1001 kg but <= 1500kg
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 100 peak kW
Other	Building management system installed?: yes	-

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).

Appendix B NatHERS Summary Certificate

Nationwide House Energy Rating Scheme®

Class 2 Summary

NatHERS® Certificate No. Y65QWHIFZ2

Generated on 12 Jun 2026 using FirstRate5 v5.5.5a

Property

Address Mitchell St and Victoria Rd,
Marrickville, NSW, 2204

Lot/DP

NatHERS Climate Zone Mascot (Sydney Airport)



Accredited assessor

Name Chris Mann

Business name E-LAB Consulting

Email Chris.Mann@e-lab.com.au

Phone 0447343451

Accreditation No. DMN/20/1972

Assessor Accrediting Organisation
Design Matters National

Verification

To verify this certificate, scan the QR code or visit <https://www.fr5.com.au/QRCodeLanding?PublicId=Y65QWHIFZ2&GrpCert=1>

When using either link, ensure you are visiting www.fr5.com.au.



National Construction Code (NCC) requirements

The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two. For apartments the requirements are detailed in clauses J3D3 and J3D15 of NCC Volume One.

NCC 2022 includes enhanced thermal performance requirements for houses and apartments. It also includes a new whole-of-home annual energy use budget which applies to the major equipment in the home.

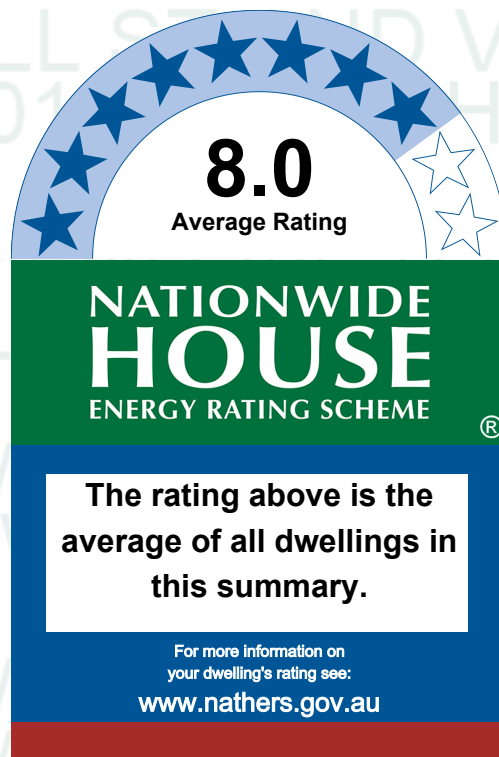
The NCC, and associated ABCB Standards and support material, can be accessed at www.abcb.gov.au.

Note, variations and additions to the NCC energy efficiency requirements may apply in some states and territories.

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m²/p.a.]	Cooling load (load limit) [MJ/m²/p.a.]	Total load [MJ/m²/p.a.]	Star rating	Whole of Home Rating
R1LDNXCXAD-04	A1.01.01	20.1 (N/A)	7.5 (N/A)	27.6	7.2	NA
TTK8HTSCLV-05	A1.01.02	5.9 (N/A)	11.0 (N/A)	16.9	8.4	NA

Thermal performance Star rating



NCC heating and cooling maximum loads MJ/m²/p.a.

Limits taken from ABCB Standard 2022

	Heating	Cooling
Modelled block average	13.2	7.4
Maximum allowable limit	N/A	N/A

Whole of Home performance rating

No Whole of Home performance rating conducted for this summary certificate or not completed for all dwellings

The rating above is the lowest of all dwellings in this summary



Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
DEZJ0HEFO4-04	A1.01.03	6.2 (N/A)	7.3 (N/A)	13.5	8.8	NA
L62PZ5V45S-04	A1.01.04	15.2 (N/A)	10.0 (N/A)	25.2	7.4	NA
0APYZNBCNF-04	A1.01.05	27.7 (N/A)	6.0 (N/A)	33.7	6.5	NA
M0J5GHHK249-04	A1.02.01	21.1 (N/A)	7.0 (N/A)	28.1	7.2	NA
S45E250HNB-04	A1.02.02	6.4 (N/A)	9.8 (N/A)	16.2	8.4	NA
EEAOHIQMSP-04	A1.02.03	4.6 (N/A)	7.8 (N/A)	12.4	8.9	NA
7M2AJ2Z8EF-04	A1.03.01	22.1 (N/A)	6.7 (N/A)	28.8	7.1	NA
XL1D7L2AGW-04	A1.03.02	6.9 (N/A)	9.5 (N/A)	16.4	8.4	NA
X8D2DH04X7-04	A1.03.03	4.9 (N/A)	7.7 (N/A)	12.6	8.9	NA
18JOBGB449-04	A1.03.04	9.6 (N/A)	8.1 (N/A)	17.7	8.3	NA
G2DHN2N6R5-04	A1.03.05	6.0 (N/A)	6.7 (N/A)	12.7	8.9	NA
QPG629I96B-04	A1.03.06	5.4 (N/A)	7.0 (N/A)	12.4	8.9	NA
C4KGNZBMB0-04	A1.03.07	9.6 (N/A)	7.3 (N/A)	16.9	8.4	NA
J7FGQ545PL-04	A1.03.08	9.5 (N/A)	7.3 (N/A)	16.8	8.4	NA
43M2RM2NWC-04	A1.03.09	9.8 (N/A)	7.3 (N/A)	17.1	8.4	NA
7B737LR64X-04	A1.03.10	9.7 (N/A)	7.2 (N/A)	16.9	8.4	NA
0B50VSJ9Q6-04	A1.03.11	10.4 (N/A)	7.1 (N/A)	17.5	8.3	NA
H0STKJC0K2-04	A1.03.12	18.5 (N/A)	6.4 (N/A)	24.9	7.5	NA
7Y093IAMJE-04	A1.04.01	22.8 (N/A)	6.7 (N/A)	29.5	7.1	NA
N7B2U38VH8-04	A1.04.02	15.4 (N/A)	8.2 (N/A)	23.6	7.7	NA
C27Z6URMWY-04	A1.04.03	10.8 (N/A)	6.6 (N/A)	17.4	8.4	NA
39H2ZCK57N-04	A1.04.04	15.9 (N/A)	8.6 (N/A)	24.5	7.6	NA
S70LTHL2AN-04	A1.04.05	9.9 (N/A)	6.8 (N/A)	16.7	8.4	NA
J6K08E1ACJ-04	A1.04.06	11.1 (N/A)	6.7 (N/A)	17.8	8.3	NA
0XZULOZICR-04	A1.04.07	10.4 (N/A)	8.4 (N/A)	18.8	8.2	NA
SDY3QFCVGZ-04	A1.04.08	9.3 (N/A)	7.7 (N/A)	17.0	8.4	NA
LK2XW4HGAE-04	A1.04.09	10.3 (N/A)	8.0 (N/A)	18.3	8.3	NA
RD0S5GHRJ3-04	A1.04.10	9.4 (N/A)	8.8 (N/A)	18.2	8.3	NA
ZIORGHKAHW-04	A1.04.11	11.0 (N/A)	8.0 (N/A)	19.0	8.2	NA
85VBHF82NI-04	A1.04.12	17.2 (N/A)	7.2 (N/A)	24.4	7.6	NA
ZHHASFQOWU-04	A1.05.01	23.1 (N/A)	5.4 (N/A)	28.5	7.2	NA
S0AVPJYJMX-04	A1.05.02	11.8 (N/A)	6.8 (N/A)	18.6	8.2	NA
5GJX5GU2G6-04	A1.06.01	23.6 (N/A)	5.4 (N/A)	29.0	7.1	NA
DTE6YSBO8B-04	A1.06.02	11.0 (N/A)	6.8 (N/A)	17.8	8.3	NA
16OWEH49W8-04	A1.06.03	3.1 (N/A)	19.9 (N/A)	23.0	7.8	NA
QZQZMT7UFL-04	A1.06.04	1.6 (N/A)	18.8 (N/A)	20.4	8.1	NA
UXI0R8WD76-04	A1.06.05	10.1 (N/A)	5.6 (N/A)	15.7	8.5	NA

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
HKKL692XTX-04	A1.06.06	15.5 (N/A)	4.9 (N/A)	20.4	8.1	NA
FNUVHISSZB-04	A1.06.07	17.4 (N/A)	6.2 (N/A)	23.6	7.7	NA
M03Z9JISI3-04	A1.07.01	30.0 (N/A)	7.3 (N/A)	37.3	6.1	NA
5HEZVTFSUH-04	A1.07.02	18.5 (N/A)	8.2 (N/A)	26.7	7.3	NA
HEEDX7PNON-04	A1.07.03	8.1 (N/A)	21.2 (N/A)	29.3	7.1	NA
2MPV3GQZQH-04	A1.07.04	4.6 (N/A)	21.0 (N/A)	25.6	7.4	NA
VYA5TULQLH-04	A1.07.05	17.7 (N/A)	7.0 (N/A)	24.7	7.5	NA
MBPWC4LVWX-04	A1.07.06	22.9 (N/A)	5.8 (N/A)	28.7	7.1	NA
41MCXDXT4-04	A1.07.07	24.8 (N/A)	9.2 (N/A)	34.0	6.5	NA
4S51JSFCK8-04	A1.UG.01	25.9 (N/A)	5.1 (N/A)	31.0	6.9	NA
GIB13H5MDM-04	A1.UG.02	5.3 (N/A)	7.6 (N/A)	12.9	8.9	NA
ZR0BB7J0KQ-03	A1.UG.03	22.6 (N/A)	3.8 (N/A)	26.4	7.4	NA
6FLNFLJQSS-03	A1.UG.04	16.1 (N/A)	3.5 (N/A)	19.6	8.1	NA
L7EYXCSXN9-03	A1.UG.05	15.8 (N/A)	3.4 (N/A)	19.2	8.2	NA
K9EOZASGYI-03	A1.UG.06	16.1 (N/A)	3.5 (N/A)	19.6	8.1	NA
WUS1XVQD8B-04	A2.01.01	7.8 (N/A)	9.8 (N/A)	17.6	8.3	NA
ZDT49VQQEB-04	A2.01.02	6.5 (N/A)	7.5 (N/A)	14.0	8.8	NA
DK24Z6RHY2-04	A2.01.03	20.4 (N/A)	6.5 (N/A)	26.9	7.3	NA
G06F0OA75Q-04	A2.02.01	6.2 (N/A)	9.1 (N/A)	15.3	8.6	NA
LDGYDVQSSE-04	A2.02.02	7.0 (N/A)	7.0 (N/A)	14.0	8.8	NA
KQEVSRZT6-04	A2.02.03	21.6 (N/A)	6.2 (N/A)	27.8	7.2	NA
QASBE7UMNA-04	A2.03.01	6.8 (N/A)	8.8 (N/A)	15.6	8.6	NA
NICSEGXWE3-04	A2.03.02	7.5 (N/A)	7.0 (N/A)	14.5	8.7	NA
T2LJAWGK6M-04	A2.03.03	22.4 (N/A)	6.1 (N/A)	28.5	7.2	NA
3KT3BH7977-04	A2.03.04	15.5 (N/A)	6.2 (N/A)	21.7	7.9	NA
QRU12SLZ5I-04	A2.03.05	11.1 (N/A)	5.4 (N/A)	16.5	8.4	NA
ZGN8C5XN6E-04	A2.03.06	10.0 (N/A)	6.2 (N/A)	16.2	8.4	NA
KQQT4JEVY7-04	A2.03.07	9.6 (N/A)	6.6 (N/A)	16.2	8.4	NA
0E3Z3RY9OY-04	A2.03.08	9.6 (N/A)	7.0 (N/A)	16.6	8.4	NA
MV16X480WN-04	A2.03.09	9.5 (N/A)	7.2 (N/A)	16.7	8.4	NA
TGFBQPLNCA-03	A2.03.10	5.3 (N/A)	7.0 (N/A)	12.3	8.9	NA
TUYWLTGH8B-03	A2.03.11	5.4 (N/A)	7.0 (N/A)	12.4	8.9	NA
TMRFHZIYGA-03	A2.03.12	8.7 (N/A)	7.0 (N/A)	15.7	8.5	NA
KSB7LZ0GUL-03	A2.04.01	14.3 (N/A)	7.2 (N/A)	21.5	7.9	NA
3F6A5L6SZ4-03	A2.04.02	15.4 (N/A)	6.4 (N/A)	21.8	7.9	NA
GBALQVYM98-03	A2.04.03	23.0 (N/A)	6.0 (N/A)	29.0	7.1	NA



Summary of all dwellings

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QA9LOM5V3E-03	A2.04.04	19.4 (N/A)	7.3 (N/A)	26.7	7.3	NA
8V2VX2EUTJ-03	A2.04.05	12.6 (N/A)	6.2 (N/A)	18.8	8.2	NA
W388SGCZ7E-03	A2.04.06	10.5 (N/A)	7.5 (N/A)	18.0	8.3	NA
F2K9CV1XQO-03	A2.04.07	10.2 (N/A)	7.9 (N/A)	18.1	8.3	NA
VQJXQDYXEF-03	A2.04.08	9.2 (N/A)	7.8 (N/A)	17.0	8.4	NA
V1CZ0GPF2N-03	A2.04.09	10.5 (N/A)	8.5 (N/A)	19.0	8.2	NA
0JBR99R9KD-03	A2.04.10	11.1 (N/A)	6.7 (N/A)	17.8	8.3	NA
5HT1L1BW42-03	A2.04.11	11.2 (N/A)	6.7 (N/A)	17.9	8.3	NA
LESNBUTQRJ-03	A2.04.12	14.9 (N/A)	7.5 (N/A)	22.4	7.8	NA
88WHOLP1YQ-03	A2.05.01	10.6 (N/A)	8.2 (N/A)	18.8	8.2	NA
WYMBKOHKO9-03	A2.05.02	21.9 (N/A)	5.0 (N/A)	26.9	7.3	NA
LJ8NGW2RDW-03	A2.06.01	17.2 (N/A)	10.2 (N/A)	27.4	7.3	NA
347NX5363P-03	A2.06.02	28.7 (N/A)	7.2 (N/A)	35.9	6.3	NA
J8HTQT8YNT-03	A2.06.03	17.4 (N/A)	4.6 (N/A)	22.0	7.9	NA
7ETJ8LZ2AS-03	A2.06.04	16.5 (N/A)	5.6 (N/A)	22.1	7.9	NA
5820KHGT0X-03	A2.06.05	11.1 (N/A)	6.3 (N/A)	17.4	8.4	NA
TQRZ7RCYNT-03	A2.06.06	1.4 (N/A)	18.4 (N/A)	19.8	8.1	NA
HPHEG0FC72-03	A2.06.07	3.2 (N/A)	19.9 (N/A)	23.1	7.7	NA
BYJAGFN7C8-04	A2.07.01	24.5 (N/A)	6.3 (N/A)	30.8	6.9	NA
T7NAR26966-03	A2.07.02	23.9 (N/A)	8.4 (N/A)	32.3	6.7	NA
NHA9JW3EUY-03	A2.07.03	19.0 (N/A)	8.0 (N/A)	27.0	7.3	NA
ZXR4P8J1Z7-03	A2.07.04	4.5 (N/A)	20.7 (N/A)	25.2	7.4	NA
NLF2YGDSOW-03	A2.07.05	6.8 (N/A)	20.9 (N/A)	27.7	7.2	NA
N2M9XNSZFI-03	A2.UG.01	6.5 (N/A)	7.2 (N/A)	13.7	8.8	NA
AQPEFEA8US-02	A2.UG.02	20.4 (N/A)	3.3 (N/A)	23.7	7.7	NA
LPNIPFX0IO-02	A2.UG.03	16.6 (N/A)	2.7 (N/A)	19.3	8.2	NA
0BXG72NCN9-02	A2.UG.04	16.5 (N/A)	2.9 (N/A)	19.4	8.2	NA
PWNLQQZHIA-02	A2.UG.05	16.0 (N/A)	3.2 (N/A)	19.2	8.2	NA
KL6AH5U6IS-02	A2.UG.06	16.3 (N/A)	3.3 (N/A)	19.6	8.1	NA
O1O8J92JHN-02	A2.UG.07	16.0 (N/A)	3.4 (N/A)	19.4	8.2	NA
4CKIKAUQ8K-04	B1.01.01	21.9 (N/A)	6.1 (N/A)	28.0	7.2	NA
UJME0RIDA1-04	B1.01.02	6.5 (N/A)	6.2 (N/A)	12.7	8.9	NA
FVAN27ZBZ7-04	B1.02.01	22.0 (N/A)	6.0 (N/A)	28.0	7.2	NA
PALAR9B7AA-04	B1.02.02	7.2 (N/A)	6.2 (N/A)	13.4	8.8	NA
T1X6BEHCYB-05	B1.02.03	0.3 (N/A)	16.1 (N/A)	16.4	8.4	NA
F72F3XMO9N-05	B1.02.04	0.2 (N/A)	14.3 (N/A)	14.5	8.7	NA



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N7IBL008OM-05	B1.02.05	0.2 (N/A)	14.2 (N/A)	14.4	8.7	NA
25ASA6UCMU-05	B1.02.06	0.2 (N/A)	14.4 (N/A)	14.6	8.7	NA
7NAXY7OWCX-05	B1.02.07	0.2 (N/A)	14.3 (N/A)	14.5	8.7	NA
GYW3PT9T5Y-05	B1.02.08	0.2 (N/A)	14.1 (N/A)	14.3	8.7	NA
R7AYJ9KMLI-04	B1.02.09	11.9 (N/A)	5.2 (N/A)	17.1	8.4	NA
750NXP5TUK-04	B1.02.10	11.9 (N/A)	5.2 (N/A)	17.1	8.4	NA
WT587IX7UQ-04	B1.02.11	11.8 (N/A)	5.2 (N/A)	17.0	8.4	NA
XYFZFWHXA4-04	B1.02.12	11.9 (N/A)	5.2 (N/A)	17.1	8.4	NA
V3W06KXC9W-04	B1.02.13	11.8 (N/A)	5.2 (N/A)	17.0	8.4	NA
JKE3W7NG3L-04	B1.02.14	11.9 (N/A)	6.5 (N/A)	18.4	8.3	NA
BA7ZNS5GBW-04	B1.03.01	22.5 (N/A)	6.0 (N/A)	28.5	7.2	NA
7OD1F3CP24-04	B1.03.02	11.6 (N/A)	8.2 (N/A)	19.8	8.1	NA
O78HWU66NO-05	B1.04.01	22.0 (N/A)	6.2 (N/A)	28.2	7.2	NA
PQBNZ5HMY3-05	B1.04.02	10.3 (N/A)	6.0 (N/A)	16.3	8.4	NA
58N9M6NTEU-06	B1.04.03	0.8 (N/A)	13.4 (N/A)	14.2	8.7	NA
5LWHATBH16-06	B1.04.04	0.3 (N/A)	10.8 (N/A)	11.1	9.1	NA
VMIZYLLBIG-06	B1.04.05	0.4 (N/A)	10.8 (N/A)	11.2	9.1	NA
FGV57HEMSU-06	B1.04.06	0.5 (N/A)	11.0 (N/A)	11.5	9.1	NA
6GQYTCTNCZ-06	B1.04.07	0.4 (N/A)	10.9 (N/A)	11.3	9.1	NA
66U2R9R9D4-06	B1.04.08	0.4 (N/A)	10.8 (N/A)	11.2	9.1	NA
AG4GXURTM-05	B1.04.09	12.4 (N/A)	5.0 (N/A)	17.4	8.4	NA
189SKIV3NJ-05	B1.04.10	12.4 (N/A)	5.0 (N/A)	17.4	8.4	NA
0FJYUZLKA9-04	B1.04.11	12.4 (N/A)	5.1 (N/A)	17.5	8.4	NA
UAAAT8YM3C-04	B1.04.12	12.4 (N/A)	5.1 (N/A)	17.5	8.4	NA
263SCCHM5O-03	B1.04.13	12.4 (N/A)	5.0 (N/A)	17.4	8.4	NA
8YFDLAYUXJ-04	B1.04.14	12.4 (N/A)	6.1 (N/A)	18.5	8.3	NA
DVTGA1788L-04	B1.05.01	20.2 (N/A)	6.5 (N/A)	26.7	7.3	NA
T19LR3L0WS-04	B1.05.02	9.4 (N/A)	5.8 (N/A)	15.2	8.6	NA
KEZT8GMWRK-04	B1.06.01	17.2 (N/A)	6.8 (N/A)	24.0	7.6	NA
FJNT40Z3VR-04	B1.06.02	8.0 (N/A)	5.9 (N/A)	13.9	8.8	NA
Y78F1EH7FE-05	B1.06.03	0.5 (N/A)	12.0 (N/A)	12.5	8.9	NA
69IPBPSPML-04	B1.06.04	0.4 (N/A)	10.5 (N/A)	10.9	9.2	NA
QYJLNIW41K-04	B1.06.05	0.4 (N/A)	10.7 (N/A)	11.1	9.2	NA
GBLI4NGU14-04	B1.06.06	6.1 (N/A)	3.2 (N/A)	9.3	9.4	NA
9PRNOFA7SP-03	B1.06.07	11.5 (N/A)	17.7 (N/A)	29.2	7.1	NA
4DAWBQS8OD-05	B1.07.01	15.2 (N/A)	7.0 (N/A)	22.2	7.9	NA



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PULPWMTVEO-05	B1.07.02	16.1 (N/A)	7.9 (N/A)	24.0	7.6	NA
GHPCXSO1GB-08	B1.07.03	0.5 (N/A)	12.1 (N/A)	12.6	8.9	NA
KM4HIS1X7M-07	B1.07.04	0.4 (N/A)	10.5 (N/A)	10.9	9.2	NA
CUHPDZDNV9-07	B1.07.05	0.5 (N/A)	10.7 (N/A)	11.2	9.1	NA
U7NF0BCWMN-05	B1.07.06	6.4 (N/A)	3.1 (N/A)	9.5	9.4	NA
O4SAWX6E3G-03	B1.07.07	11.8 (N/A)	17.2 (N/A)	29.0	7.1	NA
FNL4QR4DUX-01	B1.08.01	21.7 (N/A)	9.8 (N/A)	31.5	6.8	NA
VOMJ33KU17-01	B1.08.02	2.9 (N/A)	14.3 (N/A)	17.2	8.4	NA
T0SIELTV4I-02	B1.08.03	2.6 (N/A)	12.4 (N/A)	15.0	8.6	NA
NPRP1RWQWO-01	B1.08.04	3.2 (N/A)	12.8 (N/A)	16.0	8.5	NA
MGO5SGOLMD-02	B1.08.05	11.3 (N/A)	3.9 (N/A)	15.2	8.6	NA
KR3UYT9VX8-01	B1.08.06	18.0 (N/A)	19.1 (N/A)	37.1	6.1	NA
Y5UV6ZX5O6-04	B1.UG.01	33.1 (N/A)	4.6 (N/A)	37.7	6	NA
6F5AZHZ14C-04	B1.UG.02	12.0 (N/A)	4.8 (N/A)	16.8	8.4	NA
K75TZR6ZBO-05	B1.UG.03	24.2 (N/A)	3.3 (N/A)	27.5	7.3	NA
A5BL9O5N4C-05	B1.UG.04	24.5 (N/A)	3.1 (N/A)	27.6	7.2	NA
K90P6I1GHF-05	B1.UG.05	24.3 (N/A)	3.1 (N/A)	27.4	7.3	NA
IXIXNAFVP0-05	B1.UG.06	24.5 (N/A)	3.1 (N/A)	27.6	7.2	NA
D01BW1D1SX-05	B1.UG.07	24.3 (N/A)	3.1 (N/A)	27.4	7.3	NA
3D4O8XXGS2-02	B2.01.01	6.7 (N/A)	8.5 (N/A)	15.2	8.6	NA
QQBPOUNI76-02	B2.01.02	0.4 (N/A)	10.2 (N/A)	10.6	9.2	NA
3NE9KKCGZD-02	B2.01.03	0.4 (N/A)	10.2 (N/A)	10.6	9.2	NA
SUP96DSN44-03	B2.01.04	14.4 (N/A)	5.9 (N/A)	20.3	8.1	NA
4RGM18J0YL-03	B2.02.01	17.3 (N/A)	4.4 (N/A)	21.7	7.9	NA
LYCXBP85DY-03	B2.02.02	11.9 (N/A)	5.2 (N/A)	17.1	8.4	NA
UQROJ6BCTL-04	B2.02.03	0.2 (N/A)	14.4 (N/A)	14.6	8.7	NA
CAOCBLG20M-04	B2.02.04	0.2 (N/A)	11.9 (N/A)	12.1	9	NA
BLSO24S18Q-03	B2.02.05	0.1 (N/A)	10.8 (N/A)	10.9	9.2	NA
FWJGJNA1DL-03	B2.02.06	0.1 (N/A)	10.8 (N/A)	10.9	9.2	NA
7HHNIKK9VZ-03	B2.02.07	11.5 (N/A)	6.7 (N/A)	18.2	8.3	NA
JGF1WJ8CWP-04	B2.02.10	10.7 (N/A)	5.3 (N/A)	16.0	8.5	NA
OKDDGP1I2X-04	B2.02.11	10.0 (N/A)	4.5 (N/A)	14.5	8.7	NA
KPYOO4EEFR-04	B2.02.12	10.1 (N/A)	4.6 (N/A)	14.7	8.7	NA
TSFIH8RRTA-04	B2.02.13	10.0 (N/A)	4.4 (N/A)	14.4	8.7	NA
P8FX7XDDH2-04	B2.02.14	8.8 (N/A)	6.9 (N/A)	15.7	8.5	NA
TCG8P4R0M1-04	B2.02.15	7.9 (N/A)	6.6 (N/A)	14.5	8.7	NA



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E37F56E56H-03	B2.03.01	0.2 (N/A)	11.3 (N/A)	11.5	9.1	NA
8JY2IMJAR1-03	B2.03.02	0.2 (N/A)	11.0 (N/A)	11.2	9.1	NA
PKGD5Z69U4-03	B2.03.03	14.8 (N/A)	6.3 (N/A)	21.1	7.9	NA
SIHA4JNOZC-04	B2.04.01	13.8 (N/A)	4.4 (N/A)	18.2	8.3	NA
UQJVAE6UHO-05	B2.04.02	12.4 (N/A)	5.0 (N/A)	17.4	8.4	NA
U7BTZIE66X-05	B2.04.03	0.4 (N/A)	11.0 (N/A)	11.4	9.1	NA
D7R02AQT01-05	B2.04.04	1.4 (N/A)	9.6 (N/A)	11.0	9.2	NA
ZQ2NQVGXKV-04	B2.04.05	0.3 (N/A)	8.9 (N/A)	9.2	9.4	NA
FRSC1KI3MR-04	B2.04.06	0.3 (N/A)	8.9 (N/A)	9.2	9.4	NA
L8CTLXPL0Z-04	B2.04.07	15.1 (N/A)	6.3 (N/A)	21.4	7.9	NA
1UFE74Q49X-05	B2.04.10	10.9 (N/A)	5.4 (N/A)	16.3	8.4	NA
MF6X6SWOP8R-05	B2.04.11	10.1 (N/A)	4.4 (N/A)	14.5	8.7	NA
2XHJP00JC3-05	B2.04.12	10.3 (N/A)	4.4 (N/A)	14.7	8.7	NA
G57V4ULNE7-05	B2.04.13	10.1 (N/A)	4.3 (N/A)	14.4	8.7	NA
4N4ZFGLFAY-05	B2.04.14	10.0 (N/A)	6.4 (N/A)	16.4	8.4	NA
IAMI7EN6ZH-05	B2.04.15	9.0 (N/A)	6.3 (N/A)	15.3	8.6	NA
PH2FQRHCC7-05	B2.05.01	0.3 (N/A)	10.9 (N/A)	11.2	9.1	NA
LAKBX02SEJ-05	B2.05.02	0.3 (N/A)	10.7 (N/A)	11.0	9.2	NA
OJINUFSYX0-05	B2.05.03	15.6 (N/A)	6.5 (N/A)	22.1	7.9	NA
HOY7RXVZIX-04	B2.06.01	12.4 (N/A)	14.9 (N/A)	27.3	7.3	NA
8JDDNH0LVS-05	B2.06.02	7.0 (N/A)	3.3 (N/A)	10.3	9.3	NA
L52P2G8OUL-04	B2.06.03	0.4 (N/A)	10.7 (N/A)	11.1	9.1	NA
8TOMZ6MMTA-05	B2.06.04	0.4 (N/A)	10.4 (N/A)	10.8	9.2	NA
3DJQKFGFAM-05	B2.06.05	0.4 (N/A)	10.5 (N/A)	10.9	9.2	NA
PHDFPMVIEL-05	B2.06.06	0.3 (N/A)	10.7 (N/A)	11.0	9.2	NA
9HC5140FEL-04	B2.06.07	0.3 (N/A)	10.7 (N/A)	11.0	9.2	NA
Y39BZXQUDN-04	B2.06.08	15.7 (N/A)	6.4 (N/A)	22.1	7.9	NA
92OH51QI7N-06	B2.06.11	11.3 (N/A)	5.7 (N/A)	17.0	8.4	NA
LEIHLX9M15-06	B2.06.12	10.6 (N/A)	4.8 (N/A)	15.4	8.6	NA
JP2TRCQSRH-06	B2.06.13	10.8 (N/A)	4.8 (N/A)	15.6	8.6	NA
R0F15VBA2B-06	B2.06.14	10.7 (N/A)	4.9 (N/A)	15.6	8.6	NA
IZJMQ1VLTM-05	B2.06.15	11.0 (N/A)	6.6 (N/A)	17.6	8.3	NA
6I553LC041-05	B2.06.16	9.9 (N/A)	6.3 (N/A)	16.2	8.4	NA
L71ZWBA15P-04	B2.07.01	12.7 (N/A)	14.7 (N/A)	27.4	7.3	NA
5CL47XV2N0-05	B2.07.02	7.3 (N/A)	3.2 (N/A)	10.5	9.2	NA
76KP9RZ4D1-04	B2.07.03	0.5 (N/A)	10.8 (N/A)	11.3	9.1	NA



Summary of all dwellings

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56GHWB5ENE-05	B2.07.04	0.4 (N/A)	10.5 (N/A)	10.9	9.2	NA
0MY2FF8ZM0-05	B2.07.05	0.4 (N/A)	10.6 (N/A)	11.0	9.2	NA
8IR95PXLZE-05	B2.07.06	0.4 (N/A)	10.6 (N/A)	11.0	9.2	NA
OF59TF8LE4-04	B2.07.07	0.4 (N/A)	10.6 (N/A)	11.0	9.2	NA
YY2EZA6P8X-04	B2.07.08	15.9 (N/A)	6.3 (N/A)	22.2	7.9	NA
MGYDT96DI5-03	B2.08.01	12.9 (N/A)	14.4 (N/A)	27.3	7.3	NA
2ROJAUHRK4-04	B2.08.02	8.3 (N/A)	3.2 (N/A)	11.5	9.1	NA
T9SM3XOHMG-03	B2.08.03	0.6 (N/A)	9.7 (N/A)	10.3	9.3	NA
PH5A9DLIZG-03	B2.08.04	0.6 (N/A)	9.5 (N/A)	10.1	9.3	NA
0E33KHBWKY-03	B2.08.05	0.6 (N/A)	9.5 (N/A)	10.1	9.3	NA
W2PVEF1VT8-03	B2.08.06	0.6 (N/A)	9.5 (N/A)	10.1	9.3	NA
449J5M9HXR-03	B2.08.07	0.6 (N/A)	9.5 (N/A)	10.1	9.3	NA
J7LGVW2K54-03	B2.08.08	18.0 (N/A)	5.8 (N/A)	23.8	7.7	NA
LZY1L5FU87-03	B2.08.15	9.1 (N/A)	5.7 (N/A)	14.8	8.7	NA
IDYWY7T2XI-04	B2.08.16	8.2 (N/A)	5.3 (N/A)	13.5	8.8	NA
HFB5VMYJ6-04	B2.09.01	3.4 (N/A)	10.9 (N/A)	14.3	8.7	NA
UZ0BRICFRP-04	B2.09.02	3.2 (N/A)	10.9 (N/A)	14.1	8.7	NA
6WIEVYRBNM-05	B2.09.03	1.1 (N/A)	9.8 (N/A)	10.9	9.2	NA
252J3M07G6	B2.09.04	0.6 (N/A)	8.7 (N/A)	9.3	9.4	NA
E415W6ROS8	B2.09.05	0.6 (N/A)	8.7 (N/A)	9.3	9.4	NA
NQ9T3PCKJ4	B2.09.06	18.2 (N/A)	5.8 (N/A)	24.0	7.6	NA
AI58ZX0I75	B2.09.13	7.9 (N/A)	5.6 (N/A)	13.5	8.8	NA
WHTQS69TE4	B2.09.14	7.1 (N/A)	5.4 (N/A)	12.5	8.9	NA
KQXMZC5UIX	B2.10.01	3.4 (N/A)	10.5 (N/A)	13.9	8.8	NA
6EJ3YNQBGZ	B2.10.02	3.4 (N/A)	10.5 (N/A)	13.9	8.8	NA
D260O4LXIK	B2.10.03	24.6 (N/A)	6.7 (N/A)	31.3	6.8	NA
OS2Y0PAY22-02	B2.10.10	14.6 (N/A)	7.9 (N/A)	22.5	7.8	NA
STZ7TDHTP3	B2.10.11	13.6 (N/A)	7.0 (N/A)	20.6	8	NA
0TSBTUL6TB-03	B2.UG.01	11.3 (N/A)	5.1 (N/A)	16.4	8.4	NA
UBDX8FPYWO-03	B2.UG.02	10.6 (N/A)	4.0 (N/A)	14.6	8.7	NA
MVKZVJNNIH-03	B2.UG.03	10.7 (N/A)	4.0 (N/A)	14.7	8.7	NA
CNOZ94FZ94-03	B2.UG.04	10.6 (N/A)	4.0 (N/A)	14.6	8.7	NA
J9NHN2TK98-05	B2.UG.05	7.7 (N/A)	8.5 (N/A)	16.2	8.4	NA
82EX7EJ2QK-05	B2.UG.06	6.9 (N/A)	7.9 (N/A)	14.8	8.7	NA
G8YL9GXNYD-05	B2.UG.08	33.9 (N/A)	3.6 (N/A)	37.5	6.1	NA
A0Y1FMICM2-05	B2.UG.09	24.5 (N/A)	3.1 (N/A)	27.6	7.2	NA



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NNHASYDNFZ-03	B3.01.03	25.9 (N/A)	8.1 (N/A)	34.0	6.5	NA
JA7VPDSSV3-03	B3.02.03	26.7 (N/A)	8.3 (N/A)	35.0	6.4	NA
L5DLUG1STW-03	B3.02.06	33.8 (N/A)	4.2 (N/A)	38.0	6	NA
V34APSK6QL-05	B3.02.07	24.0 (N/A)	5.4 (N/A)	29.4	7.1	NA
QS4KAM2JWA-05	B3.02.08	7.1 (N/A)	8.3 (N/A)	15.4	8.6	NA
YGRUW40ZYT-05	B3.02.09	8.2 (N/A)	8.3 (N/A)	16.5	8.4	NA
C5FIHAH3WY-05	B3.02.10	10.1 (N/A)	4.6 (N/A)	14.7	8.7	NA
3SIC14DBPT-05	B3.02.11	9.9 (N/A)	4.6 (N/A)	14.5	8.7	NA
6FOCW7IEDK-05	B3.02.12	10.4 (N/A)	4.6 (N/A)	15.0	8.6	NA
DEQRB45J7S-05	B3.02.13	9.9 (N/A)	4.4 (N/A)	14.3	8.7	NA
PNMIP40Z5C-05	B3.02.14	10.9 (N/A)	5.4 (N/A)	16.3	8.4	NA
YNF77T3FX2-03	B3.03.03	27.3 (N/A)	8.7 (N/A)	36.0	6.3	NA
JL7ZRE06EP-02	B3.04.03	27.5 (N/A)	8.9 (N/A)	36.4	6.2	NA
GO6TARBVDJ-03	B3.04.06	19.1 (N/A)	4.8 (N/A)	23.9	7.6	NA
36BHXGKIX1-03	B3.04.07	16.2 (N/A)	4.6 (N/A)	20.8	8	NA
CE35PGZ4PA-04	B3.04.08	14.8 (N/A)	5.6 (N/A)	20.4	8.1	NA
G28LTJ9RT0-04	B3.04.09	7.9 (N/A)	8.1 (N/A)	16.0	8.5	NA
6B0P0YDG2Q-05	B3.04.10	9.0 (N/A)	7.9 (N/A)	16.9	8.4	NA
R1R53KFSMG-04	B3.04.11	10.3 (N/A)	4.3 (N/A)	14.6	8.7	NA
GHKYDC7MIC-04	B3.04.12	10.1 (N/A)	4.4 (N/A)	14.5	8.7	NA
GH5PMZ9MXQ-04	B3.04.13	10.5 (N/A)	4.4 (N/A)	14.9	8.6	NA
EW1APJ6BSE-04	B3.04.14	10.1 (N/A)	4.4 (N/A)	14.5	8.7	NA
5X4DMEMQ31-04	B3.04.15	11.1 (N/A)	5.4 (N/A)	16.5	8.4	NA
V5JPTNAZGU-02	B3.05.03	27.8 (N/A)	8.9 (N/A)	36.7	6.2	NA
SXWGLNDO0Q-02	B3.06.03	27.6 (N/A)	9.2 (N/A)	36.8	6.2	NA
D3VK2TC5RC-03	B3.06.06	19.1 (N/A)	4.6 (N/A)	23.7	7.7	NA
WJ1Y9GENVA-03	B3.06.07	14.8 (N/A)	4.6 (N/A)	19.4	8.2	NA
NF7D61J8W9-04	B3.06.08	13.4 (N/A)	5.9 (N/A)	19.3	8.2	NA
LFHD9SBR80-04	B3.06.09	8.4 (N/A)	7.9 (N/A)	16.3	8.4	NA
MG8B44C7LW-04	B3.06.10	9.6 (N/A)	7.7 (N/A)	17.3	8.4	NA
PYJQZPCTIQ-04	B3.06.11	10.7 (N/A)	4.9 (N/A)	15.6	8.6	NA
LCKQORBYZQ-04	B3.06.12	10.6 (N/A)	4.9 (N/A)	15.5	8.6	NA
EXP5XGH6JC-04	B3.06.13	10.9 (N/A)	4.9 (N/A)	15.8	8.5	NA
ZMW9UX50NT-04	B3.06.14	10.6 (N/A)	4.9 (N/A)	15.5	8.6	NA
PSIROK6SWM-04	B3.06.15	11.5 (N/A)	5.9 (N/A)	17.4	8.4	NA
3NI5S2IO2T-02	B3.07.03	27.6 (N/A)	9.4 (N/A)	37.0	6.1	NA



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HGJG09PL51-02	B3.08.03	27.7 (N/A)	9.4 (N/A)	37.1	6.1	NA
VKKFAWP8QN-04	B3.08.06	20.7 (N/A)	4.4 (N/A)	25.1	7.4	NA
KZJ6IMD1R2-04	B3.08.07	14.6 (N/A)	4.5 (N/A)	19.1	8.2	NA
OR84LJIB0P-03	B3.08.08	9.2 (N/A)	5.3 (N/A)	14.5	8.7	NA
4VW51SDC45-03	B3.08.09	6.6 (N/A)	8.1 (N/A)	14.7	8.7	NA
31U7NQUTA-03	B3.08.10	7.7 (N/A)	6.6 (N/A)	14.3	8.7	NA
7U3STW14CQ-02	B3.09.03	28.2 (N/A)	9.4 (N/A)	37.6	6.1	NA
BVWBN1X5FZ-03	B3.09.08	7.8 (N/A)	5.8 (N/A)	13.6	8.8	NA
5P005P0TRG-04	B3.09.09	5.8 (N/A)	8.1 (N/A)	13.9	8.8	NA
B7GVVVMVCA-04	B3.09.10	6.6 (N/A)	6.6 (N/A)	13.2	8.9	NA
F9W8FJP0ZG-03	B3.10.03	28.5 (N/A)	9.4 (N/A)	37.9	6	NA
EGHR0UXDQM-05	B3.10.08	9.2 (N/A)	5.8 (N/A)	15.0	8.6	NA
7JFZD9UTLH-05	B3.10.09	7.2 (N/A)	8.4 (N/A)	15.6	8.6	NA
AKXPD9ZZQ5-05	B3.10.10	8.0 (N/A)	7.3 (N/A)	15.3	8.6	NA
NEUS8MAWTO-04	B3.11.03	22.0 (N/A)	15.4 (N/A)	37.4	6.1	NA
EAIANUDH2U-04	B3.11.08	9.6 (N/A)	13.1 (N/A)	22.7	7.8	NA
A8LOVMP3-04	B3.11.09	23.0 (N/A)	10.4 (N/A)	33.4	6.6	NA
019354POZA-03	B3.11.10	9.2 (N/A)	13.7 (N/A)	22.9	7.8	NA
EY181JNY64-04	B3.11.11	4.2 (N/A)	10.8 (N/A)	15.0	8.6	NA
RQ3WXC9ACW-04	B3.11.12	3.9 (N/A)	10.7 (N/A)	14.6	8.7	NA
K9P7JFU5VQ-03	B3.11.13	7.4 (N/A)	14.1 (N/A)	21.5	7.9	NA
TU3WKJFFSV-03	B3.UG.03	29.3 (N/A)	7.9 (N/A)	37.2	6.1	NA
K3455H2NP8-05	B3.UG.06	6.5 (N/A)	8.3 (N/A)	14.8	8.6	NA
RC02SVNJFC-05	B3.UG.07	7.3 (N/A)	8.2 (N/A)	15.5	8.6	NA
U43BMXIOR9-04	B3.UG.08	12.6 (N/A)	4.1 (N/A)	16.7	8.4	NA
JSNRFZ080C-05	B3.UG.09	12.6 (N/A)	4.2 (N/A)	16.8	8.4	NA
R1ZTDB68R3-04	B3.UG.10	12.6 (N/A)	3.8 (N/A)	16.4	8.4	NA
6X6PUQ92SI-04	B3.UG.11	12.6 (N/A)	3.8 (N/A)	16.4	8.4	NA
GWJCS9C76U-04	B3.UG.12	13.7 (N/A)	5.0 (N/A)	18.7	8.2	NA
N1M8C89A9R-03	B4.01.01	25.9 (N/A)	4.8 (N/A)	30.7	6.9	NA
74Q49E7IZW-03	B4.01.02	10.6 (N/A)	6.0 (N/A)	16.6	8.4	NA
R3DFMADHBN-03	B4.02.01	26.8 (N/A)	4.6 (N/A)	31.4	6.8	NA
XW700TKNVA-03	B4.02.02	11.1 (N/A)	6.2 (N/A)	17.3	8.4	NA
RE3M4RJ9IM-04	B4.02.03	18.5 (N/A)	7.2 (N/A)	25.7	7.4	NA
1HU0VUXGVC-04	B4.02.04	18.6 (N/A)	6.9 (N/A)	25.5	7.4	NA
418W3K7ZDP-04	B4.02.05	17.8 (N/A)	7.0 (N/A)	24.8	7.5	NA



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4UXYEM91K5-03	B4.02.06	30.8 (N/A)	6.3 (N/A)	37.1	6.1	NA
1D8ZVPCGEG-03	B4.02.07	16.2 (N/A)	5.1 (N/A)	21.3	7.9	NA
5D1TF0FHST-03	B4.02.08	16.3 (N/A)	4.9 (N/A)	21.2	7.9	NA
UU63SHU5VJ-03	B4.02.09	16.2 (N/A)	4.9 (N/A)	21.1	7.9	NA
U660K12JAO-03	B4.02.10	16.3 (N/A)	4.9 (N/A)	21.2	7.9	NA
I0U6T02DTO-03	B4.02.11	16.1 (N/A)	6.4 (N/A)	22.5	7.8	NA
G2I0KHGFGO-02	B4.03.01	26.9 (N/A)	4.9 (N/A)	31.8	6.8	NA
5GV5W9HBIN-03	B4.03.02	11.1 (N/A)	6.3 (N/A)	17.4	8.4	NA
76HEL399K2-03	B4.04.01	26.6 (N/A)	4.7 (N/A)	31.3	6.8	NA
OQMHC2XFPD-03	B4.04.02	10.3 (N/A)	6.4 (N/A)	16.7	8.4	NA
UXCVSCFYKT-04	B4.04.03	17.0 (N/A)	7.1 (N/A)	24.1	7.6	NA
S14FQKVDPQ-04	B4.04.04	17.0 (N/A)	6.8 (N/A)	23.8	7.7	NA
HH4O9O4N34-03	B4.04.05	16.8 (N/A)	6.8 (N/A)	23.6	7.7	NA
LCVF3J3VWI-02	B4.04.06	16.4 (N/A)	4.8 (N/A)	21.2	7.9	NA
YLZ0JWVG01-02	B4.04.07	16.7 (N/A)	4.8 (N/A)	21.5	7.9	NA
HTZ85N2YWE-02	B4.04.08	17.2 (N/A)	4.8 (N/A)	22.0	7.9	NA
H15QIQGZMG-02	B4.04.09	16.9 (N/A)	4.7 (N/A)	21.6	7.9	NA
R9RG26SEEM-02	B4.04.10	17.2 (N/A)	4.7 (N/A)	21.9	7.9	NA
MZ4HQZQJMD-02	B4.04.11	16.9 (N/A)	6.0 (N/A)	22.9	7.8	NA
0WJ1E8AU6L-02	B4.05.01	25.5 (N/A)	4.8 (N/A)	30.3	6.9	NA
KJABTZZ9JR-02	B4.05.02	9.0 (N/A)	6.5 (N/A)	15.5	8.6	NA
9KT5BULF6M-03	B4.06.01	23.1 (N/A)	4.9 (N/A)	28.0	7.2	NA
RPPASWX4VQ-03	B4.06.02	6.9 (N/A)	6.7 (N/A)	13.6	8.8	NA
FT7P6XEWSR-04	B4.06.03	14.3 (N/A)	7.0 (N/A)	21.3	7.9	NA
DTBCUQCO0T-04	B4.06.04	14.6 (N/A)	6.7 (N/A)	21.3	7.9	NA
X5XT3549S6-04	B4.06.05	13.3 (N/A)	8.6 (N/A)	21.9	7.9	NA
B4O2LQND8N-03	B4.06.06	15.7 (N/A)	4.6 (N/A)	20.3	8.1	NA
QYXOJ8OMQC-03	B4.06.07	15.9 (N/A)	4.5 (N/A)	20.4	8.1	NA
TJDC3K5NWB-03	B4.06.08	16.4 (N/A)	4.7 (N/A)	21.1	7.9	NA
3EDVQIFI1E-03	B4.06.09	16.1 (N/A)	4.5 (N/A)	20.6	8	NA
C9PND8HIK5-03	B4.06.10	16.5 (N/A)	4.5 (N/A)	21.0	8	NA
QRTQM20M8A-03	B4.06.11	16.2 (N/A)	5.9 (N/A)	22.1	7.9	NA
UAQ6TLUB8A-03	B4.07.01	21.3 (N/A)	4.8 (N/A)	26.1	7.4	NA
2GVL9U4085-03	B4.07.02	5.3 (N/A)	6.7 (N/A)	12.0	9	NA
CXD1VMUXJY-03	B4.08.01	21.0 (N/A)	5.2 (N/A)	26.2	7.4	NA
S3J0TCSS31-03	B4.08.02	5.1 (N/A)	6.6 (N/A)	11.7	9.1	NA



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NGJJDK5IQ1-03	B4.08.03	8.8 (N/A)	6.6 (N/A)	15.4	8.6	NA
79ND876ZLH-03	B4.08.04	9.1 (N/A)	6.3 (N/A)	15.4	8.6	NA
072KR86427-03	B4.08.05	9.0 (N/A)	6.3 (N/A)	15.3	8.6	NA
BL6GR6N3YK-04	B4.08.06	15.3 (N/A)	4.5 (N/A)	19.8	8.1	NA
QMGR0TQF2W-04	B4.08.07	16.1 (N/A)	4.3 (N/A)	20.4	8.1	NA
F2GVBQN91E-04	B4.08.08	16.2 (N/A)	4.3 (N/A)	20.5	8	NA
NAPTZWCGVB-04	B4.08.09	15.9 (N/A)	4.3 (N/A)	20.2	8.1	NA
TDBB1N0KU8-04	B4.08.10	16.2 (N/A)	4.5 (N/A)	20.7	8	NA
0926TWIV2G-03	B4.08.11	16.1 (N/A)	5.9 (N/A)	22.0	7.9	NA
QJVK563E1Q-03	B4.09.01	21.3 (N/A)	5.0 (N/A)	26.3	7.4	NA
Z3PKV2V0GQ-03	B4.09.02	5.1 (N/A)	6.5 (N/A)	11.6	9.1	NA
3WQB07Q738-03	B4.09.03	6.8 (N/A)	6.4 (N/A)	13.2	8.9	NA
GCNLSVCINO-03	B4.09.04	6.9 (N/A)	6.3 (N/A)	13.2	8.9	NA
09CM0KDFL6-03	B4.09.05	6.9 (N/A)	6.4 (N/A)	13.3	8.9	NA
KPGENMYAK3-01	B4.10.01	21.3 (N/A)	5.3 (N/A)	26.6	7.3	NA
LA977K6RHN-01	B4.10.02	4.9 (N/A)	6.6 (N/A)	11.5	9.1	NA
0MM2Z3TDLP-04	B4.10.03	6.8 (N/A)	7.1 (N/A)	13.9	8.8	NA
4KW6I5YJX-04	B4.10.04	7.1 (N/A)	6.7 (N/A)	13.8	8.8	NA
1SYO85ZKDC-04	B4.10.05	5.7 (N/A)	8.2 (N/A)	13.9	8.8	NA
49OLGN7A9I-04	B4.11.01	30.7 (N/A)	7.2 (N/A)	37.9	6	NA
L0IEEFINUN-04	B4.11.02	11.9 (N/A)	13.5 (N/A)	25.4	7.4	NA
O24DIHY834-02	B4.11.03	13.0 (N/A)	13.3 (N/A)	26.3	7.4	NA
DJAIV56L04-02	B4.11.04	8.3 (N/A)	11.1 (N/A)	19.4	8.2	NA
8HYBMBKTK2-02	B4.11.05	10.7 (N/A)	13.2 (N/A)	23.9	7.6	NA
WLZZYCEKC8-02	B4.11.06	8.5 (N/A)	11.2 (N/A)	19.7	8.1	NA
Z9HEEB0ATJ-02	B4.11.07	10.0 (N/A)	13.3 (N/A)	23.3	7.7	NA
J7W0PGD30H-02	B4.11.08	8.6 (N/A)	11.3 (N/A)	19.9	8.1	NA
4YTJLUD32Q-02	B4.UG.01	31.0 (N/A)	4.2 (N/A)	35.2	6.4	NA
DTP6ZLA9F5-02	B4.UG.02	16.7 (N/A)	4.7 (N/A)	21.4	7.9	NA
6G14DO53PC-03	E1.01.02	15.1 (N/A)	7.6 (N/A)	22.7	7.8	NA
BZCTNTBJMF-03	E1.01.03	16.8 (N/A)	7.5 (N/A)	24.3	7.6	NA
4H1DXCU9VF-03	E1.02.02	15.8 (N/A)	7.8 (N/A)	23.6	7.7	NA
VT75X81HBK-03	E1.02.03	20.6 (N/A)	6.0 (N/A)	26.6	7.3	NA
8CYGD3ZXNF-03	E1.02.04	15.6 (N/A)	6.2 (N/A)	21.8	7.9	NA
IE36Y1KM56-03	E1.02.05	15.5 (N/A)	6.0 (N/A)	21.5	7.9	NA
OSCWQGTCVO-03	E1.02.06	15.6 (N/A)	5.7 (N/A)	21.3	7.9	NA



Summary of all dwellings

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O3RIRBB6Z3-03	E1.02.07	15.6 (N/A)	5.3 (N/A)	20.9	8	NA
7WBJ9ZW8CU-03	E1.02.08	24.0 (N/A)	8.3 (N/A)	32.3	6.7	NA
KE2JJ0YGEE-03	E1.02.09	22.5 (N/A)	8.2 (N/A)	30.7	6.9	NA
J5RIDC7904-03	E1.03.02	15.9 (N/A)	7.5 (N/A)	23.4	7.7	NA
S42ZMPOR8S-03	E1.03.03	21.2 (N/A)	6.1 (N/A)	27.3	7.3	NA
7QOX4ISO7O-03	E1.04.02	15.6 (N/A)	7.5 (N/A)	23.1	7.7	NA
59Y98OC25X-03	E1.04.03	21.4 (N/A)	6.3 (N/A)	27.7	7.2	NA
XPAI7OEAJQ-03	E1.04.08	19.7 (N/A)	7.2 (N/A)	26.9	7.3	NA
I446W71OZP-03	E1.04.09	18.3 (N/A)	7.0 (N/A)	25.3	7.4	NA
WZK3K98VNX-03	E1.05.02	14.3 (N/A)	7.5 (N/A)	21.8	7.9	NA
5H65VBBU57-03	E1.05.03	21.5 (N/A)	6.4 (N/A)	27.9	7.2	NA
JIP5VW6Q5M-03	E1.05.08	14.9 (N/A)	7.6 (N/A)	22.5	7.8	NA
PRH5CL93NN-03	E1.05.09	13.6 (N/A)	7.2 (N/A)	20.8	8	NA
EX4IYTSZ4K-03	E1.06.02	13.1 (N/A)	7.9 (N/A)	21.0	8	NA
JQL2KKQM0Y-03	E1.06.03	21.5 (N/A)	6.6 (N/A)	28.1	7.2	NA
JNBM4J08NQ-03	E1.06.08	13.7 (N/A)	7.6 (N/A)	21.3	7.9	NA
G3KJYBUVZM-03	E1.06.09	12.6 (N/A)	7.2 (N/A)	19.8	8.1	NA
GLBRYI2FML-03	E1.07.02	11.3 (N/A)	8.0 (N/A)	19.3	8.2	NA
27DTBQGCDI-04	E1.07.03	21.3 (N/A)	6.7 (N/A)	28.0	7.2	NA
05WOS8LTYW-03	E1.07.08	10.7 (N/A)	7.3 (N/A)	18.0	8.3	NA
UGN7TIISPI-03	E1.07.09	9.7 (N/A)	7.0 (N/A)	16.7	8.4	NA
Q7ZVKHLB1V-03	E1.08.02	9.8 (N/A)	8.0 (N/A)	17.8	8.3	NA
MHKCPXR2WL-03	E1.08.03	21.6 (N/A)	6.7 (N/A)	28.3	7.2	NA
KOJ8OX3JBT-03	E1.08.08	7.5 (N/A)	7.5 (N/A)	15.0	8.6	NA
60COZ88LX1-03	E1.08.09	6.7 (N/A)	7.2 (N/A)	13.9	8.8	NA
9BEBG4895L-03	E1.09.02	16.1 (N/A)	8.9 (N/A)	25.0	7.5	NA
59BN0Y7X6B-03	E1.09.03	29.7 (N/A)	8.1 (N/A)	37.8	6	NA
VM4J7T5123-03	E1.09.08	6.1 (N/A)	7.6 (N/A)	13.7	8.8	NA
5ZOHUJNQ4W-03	E1.09.09	5.4 (N/A)	7.2 (N/A)	12.6	8.9	NA
JT5A955QFL-03	E1.11.05	10.5 (N/A)	10.2 (N/A)	20.7	8	NA
FR0CBT6Q9I-03	E1.11.06	9.7 (N/A)	9.7 (N/A)	19.4	8.2	NA
RVVB2QLTH5-03	E1.G.01	9.1 (N/A)	6.9 (N/A)	16.0	8.5	NA
C0BDV2DDIE-03	E1.G.02	2.0 (N/A)	6.9 (N/A)	8.9	9.5	NA
Z3DPU1TSQ9-03	E1.G.03	2.1 (N/A)	6.5 (N/A)	8.6	9.6	NA
Y3V1I7M22A-03	E1.G.04	2.2 (N/A)	6.3 (N/A)	8.5	9.6	NA
CCAPAUM0V5-03	E1.UG.01	11.4 (N/A)	7.4 (N/A)	18.8	8.2	NA



Summary of all dwellings

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VI01FKJ5QZ-03	E1.UG.02	11.3 (N/A)	7.1 (N/A)	18.4	8.3	NA
UDTGAVDO9B-03	E1.UG.03	11.4 (N/A)	6.6 (N/A)	18.0	8.3	NA
0VELWR3YJL-03	E1.UG.04	11.5 (N/A)	5.7 (N/A)	17.2	8.4	NA
CB3ULKVDVC-03	E2.01.01	18.4 (N/A)	5.3 (N/A)	23.7	7.7	NA
R60FA6D53U-03	E2.01.02	11.1 (N/A)	5.7 (N/A)	16.8	8.4	NA
LZI1LFLXTO-03	E2.02.01	18.9 (N/A)	5.0 (N/A)	23.9	7.6	NA
GZJAVT01J1-03	E2.02.02	13.0 (N/A)	5.7 (N/A)	18.7	8.2	NA
DAXBRHNAXQ-03	E2.02.04	25.6 (N/A)	5.8 (N/A)	31.4	6.8	NA
84ZLK13H2Q-04	E2.02.05	26.9 (N/A)	5.4 (N/A)	32.3	6.7	NA
4TXEYI64T2-03	E2.02.06	15.8 (N/A)	5.0 (N/A)	20.8	8	NA
KNK3VPHUWC-03	E2.02.07	16.0 (N/A)	4.9 (N/A)	20.9	8	NA
ZR6EREU9D6-03	E2.02.08	13.5 (N/A)	6.0 (N/A)	19.5	8.2	NA
F0TK14MB5H-03	E2.02.09	13.7 (N/A)	6.4 (N/A)	20.1	8.1	NA
1TD5VBTYUJ-03	E2.03.01	18.2 (N/A)	5.6 (N/A)	23.8	7.6	NA
X0S0C2QNH2-03	E2.03.02	11.9 (N/A)	6.8 (N/A)	18.7	8.2	NA
CLKOW454OS-03	E2.04.01	17.4 (N/A)	5.5 (N/A)	22.9	7.8	NA
CVDPTZCTYR-03	E2.04.02	14.6 (N/A)	6.2 (N/A)	20.8	8	NA
U0I2W97G9Q-03	E2.04.04	27.2 (N/A)	5.4 (N/A)	32.6	6.7	NA
UQ9KDW4RKJ-03	E2.04.05	22.4 (N/A)	5.2 (N/A)	27.6	7.2	NA
QDAKWDLR65-03	E2.05.01	14.7 (N/A)	5.6 (N/A)	20.3	8.1	NA
43FSMLCR1X-03	E2.05.02	8.9 (N/A)	7.5 (N/A)	16.4	8.4	NA
6Z487VV3L7-03	E2.05.04	16.3 (N/A)	6.0 (N/A)	22.3	7.8	NA
4VJPAQ08FT-03	E2.05.05	16.5 (N/A)	5.4 (N/A)	21.9	7.9	NA
XQJEV1KR72-03	E2.06.01	11.8 (N/A)	6.2 (N/A)	18.0	8.3	NA
TNZXM1JCMA-03	E2.06.02	6.0 (N/A)	7.9 (N/A)	13.9	8.8	NA
RSG9AJU0R6-03	E2.06.04	13.5 (N/A)	6.3 (N/A)	19.8	8.1	NA
VDLI9QQ0NG-03	E2.06.05	13.7 (N/A)	5.7 (N/A)	19.4	8.2	NA
KE6TNR5VCJ-03	E2.07.01	10.6 (N/A)	6.4 (N/A)	17.0	8.4	NA
GYVFBFKKDL-03	E2.07.02	5.0 (N/A)	7.8 (N/A)	12.8	8.9	NA
GU9AHPBRX5-03	E2.07.04	10.0 (N/A)	6.2 (N/A)	16.2	8.4	NA
KTZG0NVVVS-03	E2.07.05	10.5 (N/A)	5.8 (N/A)	16.3	8.4	NA
O8XHZ6SGH4-03	E2.08.01	10.7 (N/A)	6.2 (N/A)	16.9	8.4	NA
XF02IQ9SWL-03	E2.08.02	4.3 (N/A)	8.0 (N/A)	12.3	8.9	NA
GGWB90E5L7-03	E2.08.04	6.8 (N/A)	6.3 (N/A)	13.1	8.9	NA
QO8G9X9PPX-03	E2.08.05	7.3 (N/A)	5.6 (N/A)	12.9	8.9	NA
TXYU7I61KK-03	E2.09.01	11.0 (N/A)	6.1 (N/A)	17.1	8.4	NA



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74K3ZE6XG9-03	E2.09.02	3.4 (N/A)	8.0 (N/A)	11.4	9.1	NA
I0LXC99RIC-03	E2.09.04	5.3 (N/A)	6.4 (N/A)	11.7	9.1	NA
7D1TKTRBD1-03	E2.09.05	5.9 (N/A)	5.9 (N/A)	11.8	9	NA
3MVBABWDFR4-03	E2.10.01	11.4 (N/A)	6.1 (N/A)	17.5	8.4	NA
1LJPO3MAS7-03	E2.10.02	2.9 (N/A)	8.0 (N/A)	10.9	9.2	NA
IPTIM4C0SG-03	E2.10.04	5.9 (N/A)	6.9 (N/A)	12.8	8.9	NA
YP7QU7M3A7-03	E2.10.05	6.6 (N/A)	6.4 (N/A)	13.0	8.9	NA
XITICKX3JO-05	E2.11.01	22.8 (N/A)	9.0 (N/A)	31.8	6.8	NA
KMUA2C3KPX-03	E2.11.02	7.9 (N/A)	12.7 (N/A)	20.6	8	NA
6S9SZHLQIT-03	E2.11.04	9.2 (N/A)	11.0 (N/A)	20.2	8.1	NA
O6T0DFGO66-03	E2.11.05	3.8 (N/A)	9.0 (N/A)	12.8	8.9	NA
CL8NZRQPKC-03	E2.11.06	5.0 (N/A)	9.7 (N/A)	14.7	8.7	NA
4T1F4EJBS5-03	E2.11.07	7.2 (N/A)	10.6 (N/A)	17.8	8.3	NA
KKMZXEBJJO-03	E2.11.08	29.2 (N/A)	8.7 (N/A)	37.9	6	NA
3DFVR4ZC5G-03	E2.11.09	23.3 (N/A)	7.0 (N/A)	30.3	6.9	NA
VJVYYLR6BX-03	E2.11.10	22.6 (N/A)	13.6 (N/A)	36.2	6.2	NA
CYTS2SF3E6-04	E2.11.11	22.9 (N/A)	13.5 (N/A)	36.4	6.2	NA
YXRXGPFITJ-03	E2.G.01	2.5 (N/A)	5.9 (N/A)	8.4	9.6	NA
UWJKEDAOBE-03	E2.G.02	2.2 (N/A)	6.1 (N/A)	8.3	9.6	NA
4MJSUDNS9J-03	E2.G.03	2.1 (N/A)	6.3 (N/A)	8.4	9.6	NA
Z64WKN6V63-03	E2.G.04	2.1 (N/A)	6.3 (N/A)	8.4	9.6	NA
4MGHBJZS6P-03	E2.UG.01	22.5 (N/A)	4.5 (N/A)	27.0	7.3	NA
52W4PHM0ZA-03	E2.UG.02	14.5 (N/A)	4.5 (N/A)	19.0	8.2	NA
ZSO1PMUKVQ-03	E2.UG.04	11.7 (N/A)	5.4 (N/A)	17.1	8.4	NA
48P24SFBQL-03	E2.UG.05	11.9 (N/A)	5.3 (N/A)	17.2	8.4	NA
O5WUN7K9HG-03	E2.UG.06	12.0 (N/A)	5.4 (N/A)	17.4	8.4	NA
7F56DM7O2Y-03	E2.UG.07	12.4 (N/A)	5.7 (N/A)	18.1	8.3	NA
YOAXLVZA6O-02	F.01.01	6.0 (N/A)	5.7 (N/A)	11.7	9.1	NA
WV7PKFZR11-02	F.01.02	15.3 (N/A)	5.6 (N/A)	20.9	8	NA
18GL9G0FW7-02	F.01.03	23.6 (N/A)	6.9 (N/A)	30.5	6.9	NA
KNKF8NJG6X-03	F.01.04	22.3 (N/A)	5.0 (N/A)	27.3	7.3	NA
72EI9RBUN6-02	F.01.05	7.3 (N/A)	6.0 (N/A)	13.3	8.8	NA
ETN30OXAMV-02	F.01.06	4.5 (N/A)	18.1 (N/A)	22.6	7.8	NA
P7KWRDWSR3-02	F.02.01	6.6 (N/A)	5.5 (N/A)	12.1	8.9	NA
3BH19R722O-02	F.02.02	15.6 (N/A)	5.4 (N/A)	21.0	8	NA
U8QBPB9RTO-02	F.02.03	24.3 (N/A)	7.2 (N/A)	31.5	6.8	NA



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4489GOZTX9-02	F.02.04	23.2 (N/A)	5.1 (N/A)	28.3	7.2	NA
F4ZD30NYHM-02	F.02.05	7.8 (N/A)	5.8 (N/A)	13.6	8.8	NA
EY964YRYAV-02	F.02.06	4.7 (N/A)	17.7 (N/A)	22.4	7.8	NA
4TNGTFEFCJ-02	F.03.01	14.6 (N/A)	5.5 (N/A)	20.1	8.1	NA
R0DMQ6PPZA-02	F.03.02	15.1 (N/A)	5.4 (N/A)	20.5	8.1	NA
A7GCRG5CFS-02	F.03.03	25.8 (N/A)	7.2 (N/A)	33.0	6.6	NA
6BSBEWRTTY-02	F.03.04	23.9 (N/A)	5.1 (N/A)	29.0	7.1	NA
WIV85OUXP7-02	F.03.05	14.7 (N/A)	5.1 (N/A)	19.8	8.1	NA
IB99V7MKYM-02	F.03.06	12.6 (N/A)	17.5 (N/A)	30.1	6.9	NA
KC9UNPHCH4-02	F.04.01	8.6 (N/A)	8.3 (N/A)	16.9	8.4	NA
P66AO1LIHC-02	F.04.02	12.9 (N/A)	5.0 (N/A)	17.9	8.3	NA
VIWIJ4CTQH-02	F.04.03	22.8 (N/A)	15.2 (N/A)	38.0	6	NA
AIUXVQ8C0V-02	F.04.04	23.2 (N/A)	5.6 (N/A)	28.8	7.1	NA
G4R3TCIBWS-02	F.04.05	15.8 (N/A)	11.4 (N/A)	27.2	7.3	NA
SL9PAT0RP9-02	F.05.01	4.6 (N/A)	10.1 (N/A)	14.7	8.7	NA
BUR7456QBI-02	F.05.02	10.8 (N/A)	4.9 (N/A)	15.7	8.5	NA
V2FTEPQ1IR-02	F.05.03	22.4 (N/A)	15.3 (N/A)	37.7	6	NA
1ANPSZPE9Z-02	F.05.04	23.0 (N/A)	5.8 (N/A)	28.8	7.1	NA
2TT5LWMU9X-02	F.05.05	11.4 (N/A)	13.3 (N/A)	24.7	7.5	NA
F19O7ZGQLV-02	F.06.01	6.2 (N/A)	15.5 (N/A)	21.7	7.9	NA
D9J8HBHCPE-02	F.06.02	15.9 (N/A)	6.5 (N/A)	22.4	7.8	NA
Q1RMPCJJHR-02	F.06.03	20.6 (N/A)	17.3 (N/A)	37.9	6	NA
T93OW3KUYK-02	F.06.04	29.3 (N/A)	8.1 (N/A)	37.4	6.1	NA
OKE4HOKW84-02	F.06.05	15.1 (N/A)	15.3 (N/A)	30.4	6.9	NA
SM47SDSM2L-02	F.G.01	22.8 (N/A)	3.8 (N/A)	26.6	7.3	NA
1YV6D217M7-02	F.G.02	10.4 (N/A)	4.2 (N/A)	14.6	8.7	NA
PI6MD2LMZ0-02	F.G.03	1.6 (N/A)	4.5 (N/A)	6.1	9.9	NA
PJM0TWI7MA-02	F.UG.01	7.5 (N/A)	5.7 (N/A)	13.2	8.9	NA
CKZVRQRYTS-02	F.UG.02	17.7 (N/A)	5.4 (N/A)	23.1	7.7	NA
BG02YFT0JC-02	F.UG.03	26.9 (N/A)	6.5 (N/A)	33.4	6.6	NA
6UI89JFQVA-02	F.UG.04	20.9 (N/A)	4.9 (N/A)	25.8	7.4	NA
3S74TNOLSV-02	F.UG.05	6.4 (N/A)	6.1 (N/A)	12.5	8.9	NA
9CEJXHJ0MW-02	F.UG.06	4.2 (N/A)	18.5 (N/A)	22.7	7.8	NA
J3BGP2ZI5K-04	G1.01.01	17.3 (N/A)	6.6 (N/A)	23.9	7.6	NA
RSTVFH7W3O-03	G1.01.02	10.8 (N/A)	5.8 (N/A)	16.6	8.4	NA
LLN67322IR-03	G1.01.03	19.4 (N/A)	5.5 (N/A)	24.9	7.5	NA



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PZOMM1UXHE-03	G1.01.04	16.7 (N/A)	5.7 (N/A)	22.4	7.8	NA
9KHRRBDM03-03	G1.01.05	25.5 (N/A)	7.6 (N/A)	33.1	6.6	NA
DWLYJD1QVC-03	G1.02.01	15.1 (N/A)	8.6 (N/A)	23.7	7.7	NA
PEAB0ZQMH9-03	G1.02.02	11.5 (N/A)	5.8 (N/A)	17.3	8.4	NA
9GFDGO6JXK-03	G1.02.03	17.2 (N/A)	5.5 (N/A)	22.7	7.8	NA
U0NO7JNQXJ-03	G1.02.04	11.3 (N/A)	3.9 (N/A)	15.2	8.6	NA
1PMI04B6NJ-03	G1.03.01	24.8 (N/A)	8.7 (N/A)	33.5	6.6	NA
JTHJEV4ESE-03	G1.03.02	19.1 (N/A)	7.8 (N/A)	26.9	7.3	NA
5V083AZYEB-03	G1.03.03	18.2 (N/A)	5.4 (N/A)	23.6	7.7	NA
A6NIFZP9ZJ-03	G1.03.04	13.0 (N/A)	3.3 (N/A)	16.3	8.4	NA
6FARA4F3EK-03	G1.04.01	15.9 (N/A)	5.7 (N/A)	21.6	7.9	NA
VZ94313OKQ-03	G1.04.02	21.5 (N/A)	3.7 (N/A)	25.2	7.4	NA
QLPLRGGFXI-04	G1.05.01	19.6 (N/A)	4.9 (N/A)	24.5	7.6	NA
AYTCYC3ZL6-04	G1.G.01	27.1 (N/A)	4.7 (N/A)	31.8	6.8	NA
XDUY5IPB2P-04	G1.G.02	8.9 (N/A)	5.3 (N/A)	14.2	8.7	NA
S4SC0WN2ZP-04	G1.G.03	24.0 (N/A)	4.2 (N/A)	28.2	7.2	NA
2UMG3QAXG7-04	G1.G.04	19.3 (N/A)	4.8 (N/A)	24.1	7.6	NA
XIKW7HZ5CD-04	G1.G.05	18.8 (N/A)	4.8 (N/A)	23.6	7.7	NA
B83IG4UW4V-04	G1.G.06	32.8 (N/A)	5.0 (N/A)	37.8	6	NA
ZRTJ6BE5IE-04	G1.UG.01	12.7 (N/A)	5.3 (N/A)	18.0	8.3	NA
FTMAKALJGZ-04	G1.UG.02	9.6 (N/A)	6.1 (N/A)	15.7	8.5	NA
D7UF80RB5O-05	G2.01.01	29.8 (N/A)	8.0 (N/A)	37.8	6	NA
ZOCTWT8OWP-07	G2.01.02	29.8 (N/A)	8.0 (N/A)	37.8	6	NA
7Y2OYCNSTJ-04	G2.01.03	26.5 (N/A)	9.1 (N/A)	35.6	6.3	NA
N88CEPU8AI-04	G2.01.04	21.4 (N/A)	7.2 (N/A)	28.6	7.1	NA
M1BRCR0MH7-04	G2.01.05	22.1 (N/A)	6.7 (N/A)	28.8	7.1	NA
LHIG61FV0U-05	G2.02.01	29.7 (N/A)	8.2 (N/A)	37.9	6	NA
PTT4XGHGPG-05	G2.02.02	19.5 (N/A)	14.1 (N/A)	33.6	6.5	NA
VOKKTHZ7RP-04	G2.02.03	13.7 (N/A)	3.7 (N/A)	17.4	8.4	NA
K8TFV6SDIX-04	G2.02.04	17.4 (N/A)	5.4 (N/A)	22.8	7.8	NA
3JJHE3X5KV-04	G2.03.01	29.9 (N/A)	7.9 (N/A)	37.8	6	NA
ED4JS4WKP0-05	G2.03.02	23.6 (N/A)	10.8 (N/A)	34.4	6.4	NA
EJ8AEHHCEE-03	G2.03.03	15.6 (N/A)	3.4 (N/A)	19.0	8.2	NA
HNPUZY3IPD-04	G2.03.04	17.9 (N/A)	5.4 (N/A)	23.3	7.7	NA
WTGKZ8HR3E-07	G2.04.01	21.0 (N/A)	9.3 (N/A)	30.3	6.9	NA
H08T5BW9G4-06	G2.04.02	29.2 (N/A)	8.5 (N/A)	37.7	6	NA



Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
C2VR6SHYGO-04	G2.04.03	22.8 (N/A)	3.7 (N/A)	26.5	7.4	NA
49DW3EDQEE-04	G2.04.04	21.9 (N/A)	5.2 (N/A)	27.1	7.3	NA
UO8QP5R5FS-04	G2.05.02	27.5 (N/A)	4.6 (N/A)	32.1	6.7	NA
M6N3IPYRE8-04	G2.G.01	25.6 (N/A)	8.2 (N/A)	33.8	6.5	NA
HWX8V0W9MY-05	G2.G.02	23.9 (N/A)	12.3 (N/A)	36.2	6.2	NA
JXSJXNXI60-06	G2.G.03	32.8 (N/A)	5.2 (N/A)	38.0	6	NA
0J1EV9NRC3-04	G2.G.04	20.8 (N/A)	4.8 (N/A)	25.6	7.4	NA
UBI1OQEBB6-04	G2.G.05	19.5 (N/A)	4.8 (N/A)	24.3	7.6	NA
L3O14A5NYX-04	G2.G.06	25.8 (N/A)	4.3 (N/A)	30.1	6.9	NA
2HB5R1XQ6O-05	G2.UG.01	29.3 (N/A)	8.1 (N/A)	37.4	6.1	NA
K86J52FJVO-03	G2.UG.02	29.2 (N/A)	7.1 (N/A)	36.3	6.2	NA

Explanatory notes

About this report

The thermal performance star rating in this Certificate is the average rating of all NCC Class 2 dwellings in an apartment block. The Whole of Home performance rating in this Certificate is the lowest rating for the apartment block. Individual unit ratings are listed in the 'Summary of all dwellings' section of this Certificate. (accessible via link).

NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the energy loads and energy value*. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy production and storage to estimate the home's energy value*.

For more details about an individual dwelling's assessment, refer to the individual dwelling's NatHERS Certificate (accessible via link)

Accredited Assessors

For high quality NatHERS Certificates, always use an accredited or licenced assessor registered with an Assessor Accrediting Organisation (AAO). AAOs have strict quality assurance processes, and professional development requirements ensuring consistently high standards for assessments.

Non-accredited assessors (Raters) have no ongoing training requirements and are not quality assured.

Licensed assessors in the Australian Capital Territory (ACT) can produce assessments for regulatory purposes only, using endorsed software, as listed on the ACT licensing register

Any queries about this report should be directed to the assessor. If the assessor is unable to address questions or concerns, contact the AAO specified on the front of this certificate.

Disclaimer

The NatHERS Certificate format is developed by the NatHERS Administrator. However, the content in certificates is entered by the assessor. It is the assessor's responsibility to use NatHERS accredited software correctly and follow the NatHERS Technical Note to produce a NatHERS Certificate.

The predicted annual energy use, cost and greenhouse gas emissions in this NatHERS Certificate are an estimate based on an assessment of the dwelling's design by the assessor. It is not a prediction of actual energy use, cost or emissions. The information and ratings may be used to compare how other dwellings are likely to perform when used in a similar way.

Information presented in this report relies on a range of standard assumptions (both embedded in NatHERS accredited software and made by the assessor who prepared this report), including assumptions about occupancy, behaviour, appliance performance, indoor air temperature and local climate.

Not all assumptions made by the assessor while using the NatHERS accredited software tool are presented in this report and further details or data files may be available from the assessor