1 Barrack Lane and 81-83 George Street, Parramatta

BASIX Compliance Report

Project No.	P01866
Revision	02
Issued	30 October 2025
Client	Freecity Parramatta Development No. 1 Pty Ltd

E-LAB Consulting
Where Engineering and Science Inspire Design.

Issue And Revision Record

Revision	Date	Comments	Engineer	Reviewer
01	23.10.2025	Preliminary Issue	JJ	SE
02	30.10.2025	SSDA Issue	JJ	NA
03				
04				

The building's energy and water performance are computed using the online BASIX tool and an energy model developed for thermal comfort and provides only an estimation and potential performance of the building.

This cannot be used alone to determine performance in actual practice as they are based on the idealised version of the building which does not and cannot fully consider all the complexities of the building's maintenance and operation.

Authorised by:

Engineering Lab NSW Pty Ltd

Alex Kobler | Director

Sustainability

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We recognise the Traditional Custodians of the land on which the proposed development will be constructed. We respect their enduring cultural and spiritual connections to the land and waters, and celebrate their knowledge, kinship, and values. We acknowledge that these connections to the land and waters have existed for millennia and will continue into the future. We respect the Elders who have gone before, together with those of today for their guidance on our shared journey. We recognise that we are, and always will be, on Aboriginal land.

Executive Summary

E-LAB Consulting (E-LAB) are engaged to provide BASIX compliance consultancy for the residential portion of the proposed 1 Barrack Lane and 81-83 George Street, Parramatta development. The intent of this report is to confirm the minimum requirements to satisfy the legislated minimum BASIX requirements for certification.

E-LAB have assessed the development and confirm the that based on the design of the residential portion of 1 Barrack Lane and 81-83 George Street, Parramatta and the inputs provided to BASIX, the proposal is positioned to exceed the requirements of BASIX and meet the High Performing Building Design requirements under Clause 7.25(3) of the City of Parramatta Local Environmental Plan (LEP) 2023. The information and performance required to achieve this is contained within this report.

This report outlines the results of the BASIX assessment; and details of how each section is independently meeting minimum legislated BASIX benchmarks using various sustainability opportunities the development is considering for BASIX certification. The minimum BASIX compliance requirements and the Parramatta LEP 2023 Clause 7.25(3) High Performing Building Design requirements are per the below:

Table 1: BASIX Target Summary

Area	Minimum Compliance Requirements	Parramatta LEP 2023 Clause 7.25(3) Requirements	Project Score
Energy	63%	78%	78%
Water	40%	55%	55%
Thermal Comfort	Pass	No Target	Pass
Material Index	No Target	No Target	-5

Note: Percentages stated for Energy and Water are the percentage improvement upon the NSW average dwelling's consumption.

1 Introduction

1.1 Purpose

This report has been prepared by E-LAB Consulting (E-LAB) for the 1 Barrack Lane and 81-83 George Street, Parramatta development. The purpose is to demonstrate compliance with the minimum legislated BASIX benchmarks for certification as well as meeting the increased Energy and Water targets as stipulated under Parramatta LEP 2023 Clause 7.25(3) High Performing Building Design. It highlights the inputs and development requirements for the BASIX compliance.

This report has found that based on the design the 1 Barrack Lane and 81-83 George Street, Parramatta development and the inputs provided to BASIX, the proposal is positioned to comply with the requirements of BASIX and meet increased Energy and Water Targets of the Parramatta LEP 2023 Clause 7.25(3).

1.2 Site Location

The Site is located at 1 Barrack Lane and 81-83 George Street within the City of Parramatta Local Government Area (LGA), in close proximity to the Parramatta Train Station, Westmead & Carlingford Light Rail Line, Parramatta Ferry Wharf, and the new Parramatta Metro Station.

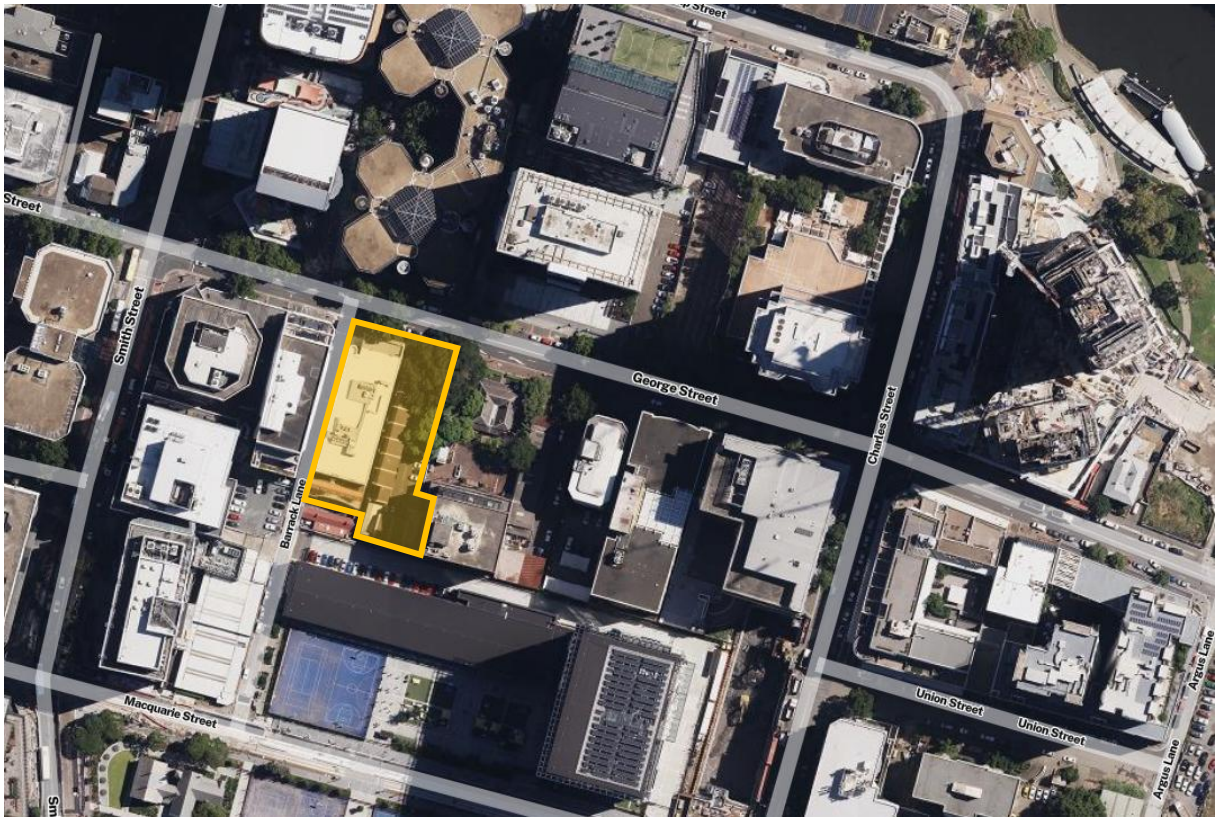

Figure 1 Site Aerial (Source: SixMaps)

1.3 Design Documentation

This assessment has been undertaken in reference to the following architectural package by FK Architecture.

Table 2 Referenced Documentation

Revision	Issue Name	Date of Issue
A	SSDA Submission	07/10/2025

1.4 Project Overview

The proposed development consists of the construction of a 40 storey mixed use development with ground floor retail and a build-to-rent (BTR) tower. Specifically, the proposal comprises the following:

- The demolition of existing site structures and the removal of two trees,
- The construction of a forty storey mixed-use development comprising:
  - Site preparation works including preparatory earthworks.
  - A three storey podium including:
    - Ground floor: a flexible retail area and a retail tenancy, a build-to-rent lobby and management area, services and waste rooms, separate vehicle entries for residential use and service use, 4 parking spaces for service vehicles, bike repair facilities and 40 bicycle parking spaces,
    - First level: 32 car parking spaces, inclusive of 2 accessible spaces, 214 bicycle parking spaces, 7 motorcycle parking space, a residential storage area and services,
    - Second level: 39 car parking spaces, inclusive of 2 accessible spaces, 170 bicycle parking spaces, 7 motorcycle parking spaces, a residential storage area and services,
    - Upper podium level providing communal open space and amenities.
  - A thirty-seven (37) storey residential tower incorporating 383 BTR units
- Installation of a new substation and infrastructure connections as required.
- Associated landscaping and public domain works.
- Extended hours of construction.

:

2 BASIX Summary

2.1 Overview

BASIX Compliance is the minimum sustainability performance requirement in the state of NSW. It serves as the only pathway for compliance to demonstrate compliance with the National Construction Code, Part J. Additionally, the project is pursuing the High Performing Building Design requirements under Clause 7.25(3) of the Parramatta LEP 2023.

E-LAB has completed modelling of all sections of the BASIX assessment; Water, Thermal Comfort and Energy for the 1 Barrack Lane and 81-83 George Street development. The BASIX outcome achieved based on the assumptions listed in the report and information provided to date are as follows:

Table 3: BASIX Compliance Summary

Area	Minimum Compliance Requirement	Parramatta LEP 2023 Clause 7.25(3) Requirements	Project Score
Energy	63%	78%	78%
Water	40%	55%	55%
Thermal Comfort	Pass	No Target	Pass
Material Index	No Target	No Target	-5

2.2 BASIX Certification Details

Table 4: Project Summary

Category	Entry
Project Name	1 Barrack Lane and 81-83 George Street
Local Government Area	CITY OF PARRAMATTA
Plan Type	Deposited Plan (DP)
Plan No.	101/--/DP1110883 1/--/DP628004 250/--/DP1287232
No. of Residential Buildings	1 Building
Total Number of Units & Townhouses	383
Project Type	Residential Flat Buildings
BASIX Certificate Number	1819525M

2.3 Energy Modelling Software

Simulation method in BASIX has been used to show the thermal comfort compliance. For energy simulations, FirstRate5 (Version 5.5.5) has been used which is approved under Thermal comfort protocol of BASIX since March 2023. This method does not guarantee or warrantee the performance in practical world as it only considers a simplified and idealistic building.

3 BASIX Energy

The following minimum standards will be required to comply with the BASIX targets for the project.

Table 5: BASIX Energy Requirements

Design Element	Compliance Criteria
Domestic hot water systems	Centralised electric heat pump (air sourced) with a 3.5 < COP <= 4.0 and minimum R0.6 insulation to internal and external pipework
Cooking	Induction cooktop & electric oven
Mechanical heating and cooling	Reverse cycle air-conditioning (1-Phase ducted) for all units living areas and bedroom. Minimum EER ratings – Cooling 3.5-4.0, Heating 3.5-4.0.
Apartment ventilation	Bathroom: individual fan, ducted to façade or roof – Manual on/off Laundry: individual fan, ducted to façade or roof – Manual on/off Kitchen range hood: individual fan, ducted to façade or roof – Manual on/off
Apartment artificial lighting	LED throughout with dedicated fittings
Appliances in Apartments (minimum Energy Star rating)	Dishwashers: Minimum 4.5 Star Energy Rated (To all apartments) Clothes Dryers: Minimum 9.0 Star Energy Rated (To all apartments)
Appliances in Common Areas (minimum Energy Star rating)	Clothes Washers: No common laundry facilities Clothes Dryers: No common laundry facilities
Photovoltaic Array	Minimum 340 kW peak PV
Building Management System (BMS)	Yes
Vertical transport	All Lifts: permanent magnet synchronous motor (PMSM) and regenerative drive >= 1001 kg but <= 1500 kg

Common area Ventilation & artificial lighting

Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure
Gym area	Air conditioning system	Time clock or BMS controlled	LED	Time clock
Undercover car park area	No mechanical ventilation	n/a	LED	Zoned switching with motion sensors
Services Rooms	Ventilation exhaust only	Interlocked to light	LED	Motion sensors
MSR	Ventilation (Supply + exhaust)	Thermostatically controlled	LED	Manual on/off
FCR	Ventilation supply only	Thermostatically controlled	LED	Manual on/off

Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure
Cold Water Meter Room	Ventilation supply only	Thermostatically controlled	LED	Manual on/off
Comms Room	Ventilation (Supply + exhaust)	Thermostatically controlled	LED	Manual on/off
On Floor Waste Rooms	Ventilation exhaust only	n/a	LED	Motion sensors
Waste Rooms	Ventilation exhaust only	n/a	LED	Motion sensors
Hot Water Plant Room	Ventilation (Supply + exhaust)	Thermostatically controlled	LED	Manual on/off
Fire Pump & Tank Room	Ventilation supply only	Thermostatically controlled	LED	Manual on/off
Rainwater Tank & Pump	Ventilation supply only	Thermostatically controlled	LED	Manual on/off
ASHP, Pumps, & HEX Plantroom	No mechanical ventilation	n/a	LED	Manual on/off
Pumps, HEX, & HW Storage Room	No mechanical ventilation	n/a	LED	Manual on/off
Cooling Tower Plantroom	No mechanical ventilation	n/a	LED	Manual on/off
Substation	Ventilation (Supply + exhaust)	Thermostatically controlled	LED	Manual on/off
Amenity Rooms	Air conditioning system	Time clock or BMS controlled	LED	Motion sensors
Bike Storage	No mechanical ventilation	n/a	LED	Motion sensors
Carpark Storage	No mechanical ventilation	n/a	LED	Motion sensors
BM Office/Mail & Parcel	Air conditioning system	Time clock or BMS controlled	LED	Time clock and motion sensors
Ground Lobby/Concierge/Flexible Function	Air conditioning system	Time clock or BMS controlled	LED	Time clock and motion sensors
Level 03 Circulation	Air conditioning system	Time clock or BMS controlled	LED	Motion sensors
Residential Floors Circulation	No mechanical ventilation	n/a	LED	Motion sensors
Stairs	No mechanical ventilation	n/a	LED	Motion sensors
BOH Circulation	No mechanical ventilation	n/a	LED	Motion sensors
All Lifts	n/a	n/a	LED	Connected to lift call button

4 BASIX Thermal Comfort

The following minimum standards are required to comply with the BASIX Thermal Comfort requirements for the project.

Table 6: BASIX Thermal Comfort Requirements

Design Element	Compliance Criteria
Glazed Doors / Windows	The following glazed elements are used throughout the development <u>Fixed and Sliding Windows & Doors</u> Total System U-Value = 3.10 (equal to or less than) Total System SHGC = 0.49 (+/- 5%) <u>Casement & Awning Windows</u> Total System U-Value = 3.1 (equal to or less than) Total System SHGC = 0.39 (+/- 5%) Operability – max available while meeting window safety device requirements defined in the BCA. Note – all glazing systems are whole of system, including glazing and frame systems.
External Solid Walls	Added R2.5 bulk insulation for all apartment external walls. Minimum nominal 20mm unventilated non-reflective airgap. 0.2 thermal break required for the metal stud frame for thermal bridging controls. Medium or light colour
Walls to Internal Corridors or Non-Conditioned Zones:	Added R1.5 bulk insulation for all internal walls between apartment unit and non-conditioned enclosed internal zones.0.2 thermal break required for the metal stud frame for thermal bridging controls.
Exposed Roofs/Balconies (Over conditioned spaces)	Added R4.0 soffit slab insulation to apartments concrete slab roofs. Medium or light colour.
Suspended Floor Slabs (Enclosed floor levels between conditioned and internal non-conditioned spaces and open to outside)	Added R2.5 soffit slab insulation to underside of suspended concrete slabs to unconditioned areas and outside air.
Floors Covering	Carpet in Bedrooms, Timber in Living/Dining Rooms. Tile in Kitchen/Bathrooms.
Insulation Penetrations & Ceiling fans	Exhaust fans have been modelled as “Sealed” and 1 per bathroom, 1 per laundry if available and 1 per kitchen. As a lighting plan/RCP is not yet available, downlights have been modelled as “Sealed” at a scale of 1 downlight/ 5m2 Ceiling fans with 1400mm diameter have been modelled in all stand alone studios

5 BASIX Water

The following minimum standards are required to comply with the BASIX Water Targets for the project.

Table 7 BASIX Water Requirements

Design Element	Compliance Criteria
Fixtures	Showers: Minimum 4 Star (> 4.5 but <= 6 L/min) WELS Rated Toilets: Minimum 4 Star WELS Rated Bathroom Taps: Minimum 6 Star WELS Rated Kitchen Sink Taps: Minimum 6 Star WELS Rated
Fixtures within common areas	Showers: Minimum 4 Star (> 4.5 but <= 6 L/min) WELS Rated Toilets: Minimum 4 Star WELS Rated Taps: Minimum 6 Star WELS Rated
Fittings/Appliances within units	Clothes Washer: Minimum 5.0 Star WELS Rated Dishwasher: Minimum 5.5 Star WELS Rated
Fittings/Appliances within common areas	Clothes Washer: no common laundry facility
Fire Sprinkler Water Test	All Fire sprinkler systems test water contained in a closed system so that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.
Alternative Water	50,000 L rainwater tank provision is provided and is required to collect rainwater from building roof area which is not less than 1,300 m^2. The rainwater collected shall be reused for landscape irrigation and toilet flushing for a minimum of 40 units.
Hot water recirculation or diversion	No hot water recirculation or diversion system will be installed in the development\
Landscape	Garden landscape area: 1,093 m^2

6 Results

E-LAB Consulting (E-LAB) are engaged to provide BASIX compliance consultancy for the residential portion of the proposed 1 Barrack Lane and 81-83 George Street, Parramatta development. The intent of this report is to confirm the minimum requirements to satisfy the legislated minimum BASIX requirements for certification.

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This report has outlined the results of the BASIX assessment; and details of how each section is independently meeting minimum legislated BASIX benchmarks using various sustainability opportunities the development is considering for BASIX certification. The minimum BASIX compliance requirements and the Parramatta LEP 2023 Clause 7.25(3) High Performing Building Design requirements are per the below:

Table 8: BASIX Target Summary

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Thermal Comfort	Pass	No Target	Pass
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Note: Percentages stated for Energy and Water are the percentage improvement upon the NSW average dwelling's consumption.

Appendix A BASIX Certificate

Refer to next page.

BASIX™ Certificate

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

Multi Dwelling

Certificate number: 1819525M

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

Secretary
Date of issue: Thursday, 30 October 2025
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 1234567900.

Project summary	
Project name	1 Barrack Lane and 81-83 George Street
Street address	1 BARRACK LANE PARRAMATTA 2150
Local Government Area	CITY OF PARRAMATTA
Plan type and plan number	Deposited Plan 1110883
No. of residential flat buildings	1
Residential flat buildings: no. of dwellings	383
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0

Project score			
Water	✔	55	Target 40
Thermal Performance	✔	Pass	Target Pass
Energy	✔	78	Target 63
Materials	✔	-5	Target n/a

Certificate Prepared by
Name / Company Name: E-LAB Consulting
ABN (if applicable): 84647520634

Description of project

Project address	
Project name	1 Barrack Lane and 81-83 George Street
Street address	1 BARRACK LANE PARRAMATTA 2150
Local Government Area	CITY OF PARRAMATTA
Plan type and plan number	Deposited Plan 1110883

Project type	
No. of residential flat buildings	1
Residential flat buildings: no. of dwellings	383
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0

Site details	
Site area (m²)	3071.5
Roof area (m²)	1329.4
Non-residential floor area (m²)	236
Residential car spaces	71
Non-residential car spaces	4

Common area landscape	
Common area lawn (m²)	0
Common area garden (m²)	1093
Area of indigenous or low water use species (m²)	0

Assessor details and thermal loads	
Assessor number	DMN/17/16897
Certificate number	1234567900
Climate zone	28

Project score			
Water	✔	55	Target 40
Thermal Performance	✔	Pass	Target Pass
Energy	✔	78	Target 63
Materials	✔	-5	Target n/a

Description of project

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

Residential flat buildings - Tower, 383 dwellings, 38 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)
0401	1	49	0	0	0
0405	2	79	0	0	0
0409	3	116	0	0	0
0503	2	84	0	0	0
0507	2	79	0	0	0
0601	1	49	0	0	0
0605	2	79	0	0	0
0609	3	116	0	0	0
0703	2	84	0	0	0
0707	2	79	0	0	0
0801	1	49	0	0	0
0805	2	79	0	0	0
0809	3	116	0	0	0
0903	1	27	0	0	0
0907	3	116	0	0	0
0911	1	27	0	0	0
0915	1	27	0	0	0
0919	2	79	0	0	0
1004	1	27	0	0	0
1008	1	27	0	0	0
1012	1	27	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)
0402	2	79	0	0	0
0406	2	79	0	0	0
0410	2	79	0	0	0
0504	3	116	0	0	0
0508	2	84	0	0	0
0602	2	79	0	0	0
0606	2	79	0	0	0
0610	2	79	0	0	0
0704	3	116	0	0	0
0708	2	84	0	0	0
0802	2	79	0	0	0
0806	2	79	0	0	0
0810	2	79	0	0	0
0904	1	27	0	0	0
0908	1	27	0	0	0
0912	1	27	0	0	0
0916	1	27	0	0	0
1001	1	27	0	0	0
1005	1	27	0	0	0
1009	1	27	0	0	0
1013	1	27	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)
0403	2	84	0	0	0
0407	2	79	0	0	0
0501	1	49	0	0	0
0505	2	79	0	0	0
0509	3	116	0	0	0
0603	2	84	0	0	0
0607	2	79	0	0	0
0701	1	49	0	0	0
0705	2	79	0	0	0
0709	3	116	0	0	0
0803	2	84	0	0	0
0807	2	79	0	0	0
0901	1	27	0	0	0
0905	1	27	0	0	0
0909	1	27	0	0	0
0913	1	27	0	0	0
0917	2	84	0	0	0
1002	1	27	0	0	0
1006	2	84	0	0	0
1010	1	27	0	0	0
1014	1	27	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)
0404	3	116	0	0	0
0408	2	84	0	0	0
0502	2	79	0	0	0
0506	2	79	0	0	0
0510	2	79	0	0	0
0604	3	116	0	0	0
0608	2	84	0	0	0
0702	2	79	0	0	0
0706	2	79	0	0	0
0710	2	79	0	0	0
0804	3	116	0	0	0
0808	2	84	0	0	0
0902	1	27	0	0	0
0906	2	84	0	0	0
0910	1	27	0	0	0
0914	1	27	0	0	0
0918	3	116	0	0	0
1003	1	27	0	0	0
1007	3	116	0	0	0
1011	1	27	0	0	0
1015	1	27	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
1016	1	27	0	0	0	1017	2	84	0	0	0	1018	3	116	0	0	0	1019	2	79	0	0	0
1101	1	27	0	0	0	1102	1	27	0	0	0	1103	1	27	0	0	0	1104	1	27	0	0	0
1105	1	27	0	0	0	1106	2	84	0	0	0	1107	3	116	0	0	0	1108	1	27	0	0	0
1109	1	27	0	0	0	1110	1	27	0	0	0	1111	1	27	0	0	0	1112	1	27	0	0	0
1113	1	27	0	0	0	1114	1	27	0	0	0	1115	1	27	0	0	0	1116	1	27	0	0	0
1117	2	84	0	0	0	1118	3	116	0	0	0	1119	2	79	0	0	0	1201	1	27	0	0	0
1202	1	27	0	0	0	1203	1	27	0	0	0	1204	1	27	0	0	0	1205	1	27	0	0	0
1206	2	84	0	0	0	1207	3	116	0	0	0	1208	1	27	0	0	0	1209	1	27	0	0	0
1210	1	27	0	0	0	1211	1	27	0	0	0	1212	1	27	0	0	0	1213	1	27	0	0	0
1214	1	27	0	0	0	1215	1	27	0	0	0	1216	1	27	0	0	0	1217	2	84	0	0	0
1218	3	116	0	0	0	1219	2	79	0	0	0	1301	1	27	0	0	0	1302	1	27	0	0	0
1303	1	27	0	0	0	1304	1	27	0	0	0	1305	1	27	0	0	0	1306	2	84	0	0	0
1307	3	116	0	0	0	1308	1	27	0	0	0	1309	1	27	0	0	0	1310	1	27	0	0	0
1311	1	27	0	0	0	1312	1	27	0	0	0	1313	1	27	0	0	0	1314	1	27	0	0	0
1315	1	27	0	0	0	1316	1	27	0	0	0	1317	2	84	0	0	0	1318	3	116	0	0	0
1319	2	79	0	0	0	1401	1	49	0	0	0	1402	2	79	0	0	0	1403	2	84	0	0	0
1404	3	116	0	0	0	1405	2	79	0	0	0	1406	2	79	0	0	0	1407	2	79	0	0	0
1408	2	84	0	0	0	1409	3	116	0	0	0	1410	2	79	0	0	0	1501	1	49	0	0	0
1502	2	79	0	0	0	1503	2	84	0	0	0	1504	3	116	0	0	0	1505	2	79	0	0	0
1506	2	79	0	0	0	1507	2	79	0	0	0	1508	2	84	0	0	0	1509	3	116	0	0	0
1510	2	79	0	0	0	1601	1	49	0	0	0	1602	2	79	0	0	0	1603	2	84	0	0	0
1604	3	116	0	0	0	1605	2	79	0	0	0	1606	2	79	0	0	0	1607	2	79	0	0	0
1608	2	84	0	0	0	1609	3	116	0	0	0	1610	2	79	0	0	0	1701	1	49	0	0	0
1702	2	79	0	0	0	1703	2	84	0	0	0	1704	3	116	0	0	0	1705	2	79	0	0	0
1706	2	79	0	0	0	1707	2	79	0	0	0	1708	2	84	0	0	0	1709	3	116	0	0	0
1710	2	79	0	0	0	1801	1	49	0	0	0	1802	2	79	0	0	0	1803	2	84	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)
1804	3	116	0	0	0
1808	2	84	0	0	0
1902	2	79	0	0	0
1906	2	79	0	0	0
1910	2	79	0	0	0
2004	3	116	0	0	0
2008	2	84	0	0	0
2102	2	79	0	0	0
2106	2	79	0	0	0
2110	2	79	0	0	0
2204	3	116	0	0	0
2208	2	84	0	0	0
2302	2	79	0	0	0
2306	2	79	0	0	0
2310	2	79	0	0	0
2404	3	116	0	0	0
2408	2	84	0	0	0
2502	2	79	0	0	0
2506	2	79	0	0	0
2510	2	79	0	0	0
2604	3	116	0	0	0
2608	2	84	0	0	0
2702	2	79	0	0	0
2706	2	79	0	0	0
2710	2	79	0	0	0
2804	3	116	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)
1805	2	79	0	0	0
1809	3	116	0	0	0
1903	2	84	0	0	0
1907	2	79	0	0	0
2001	1	49	0	0	0
2005	2	79	0	0	0
2009	3	116	0	0	0
2103	2	84	0	0	0
2107	2	79	0	0	0
2201	1	49	0	0	0
2205	2	79	0	0	0
2209	3	116	0	0	0
2303	2	84	0	0	0
2307	2	79	0	0	0
2401	1	49	0	0	0
2405	2	79	0	0	0
2409	3	116	0	0	0
2503	2	84	0	0	0
2507	2	79	0	0	0
2601	1	49	0	0	0
2605	2	79	0	0	0
2609	3	116	0	0	0
2703	2	84	0	0	0
2707	2	79	0	0	0
2801	1	49	0	0	0
2805	2	79	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)
1806	2	79	0	0	0
1810	2	79	0	0	0
1904	3	116	0	0	0
1908	2	84	0	0	0
2002	2	79	0	0	0
2006	2	79	0	0	0
2010	2	79	0	0	0
2104	3	116	0	0	0
2108	2	84	0	0	0
2202	2	79	0	0	0
2206	2	79	0	0	0
2210	2	79	0	0	0
2304	3	116	0	0	0
2308	2	84	0	0	0
2402	2	79	0	0	0
2406	2	79	0	0	0
2410	2	79	0	0	0
2504	3	116	0	0	0
2508	2	84	0	0	0
2602	2	79	0	0	0
2606	2	79	0	0	0
2610	2	79	0	0	0
2704	3	116	0	0	0
2708	2	84	0	0	0
2802	2	79	0	0	0
2806	2	79	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)
1807	2	79	0	0	0
1901	1	49	0	0	0
1905	2	79	0	0	0
1909	3	116	0	0	0
2003	2	84	0	0	0
2007	2	79	0	0	0
2101	1	49	0	0	0
2105	2	79	0	0	0
2109	3	116	0	0	0
2203	2	84	0	0	0
2207	2	79	0	0	0
2301	1	49	0	0	0
2305	2	79	0	0	0
2309	3	116	0	0	0
2403	2	84	0	0	0
2407	2	79	0	0	0
2501	1	49	0	0	0
2505	2	79	0	0	0
2509	3	116	0	0	0
2603	2	84	0	0	0
2607	2	79	0	0	0
2701	1	49	0	0	0
2705	2	79	0	0	0
2709	3	116	0	0	0
2803	2	84	0	0	0
2807	2	79	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)
2808	2	84	0	0	0
2902	2	79	0	0	0
2906	2	79	0	0	0
2910	2	79	0	0	0
3004	3	116	0	0	0
3008	2	84	0	0	0
3102	2	79	0	0	0
3106	2	79	0	0	0
3110	2	79	0	0	0
3204	3	116	0	0	0
3208	2	84	0	0	0
3302	2	79	0	0	0
3306	2	79	0	0	0
3310	2	79	0	0	0
3404	3	116	0	0	0
3408	2	84	0	0	0
3502	2	79	0	0	0
3506	2	79	0	0	0
3510	2	79	0	0	0
3604	3	116	0	0	0
3608	1	27	0	0	0
3703	2	84	0	0	0
3707	1	27	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)
2809	3	116	0.00	0	0
2903	2	84	0	0	0
2907	2	79	0	0	0
3001	1	49	0	0	0
3005	2	79	0	0	0
3009	3	116	0	0	0
3103	2	84	0	0	0
3107	2	79	0	0	0
3201	1	49	0	0	0
3205	2	79	0	0	0
3209	3	116	0	0	0
3303	2	84	0	0	0
3307	2	79	0	0	0
3401	1	49	0	0	0
3405	2	79	0	0	0
3409	3	116	0	0	0
3503	2	84	0	0	0
3507	2	79	0	0	0
3601	1	49	0	0	0
3605	2	79	0	0	0
3609	2	79	0	0	0
3704	3	116	0	0	0
3708	1	27	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)
2810	2	79	0	0	0
2904	3	116	0	0	0
2908	2	84	0	0	0
3002	2	79	0	0	0
3006	2	79	0	0	0
3010	2	79	0	0	0
3104	3	116	0	0	0
3108	2	84	0	0	0
3202	2	79	0	0	0
3206	2	79	0	0	0
3210	2	79	0	0	0
3304	3	116	0	0	0
3308	2	84	0	0	0
3402	2	79	0	0	0
3406	2	79	0	0	0
3410	2	79	0	0	0
3504	3	116	0	0	0
3508	2	84	0	0	0
3602	2	79	0	0	0
3606	2	79	0	0	0
3701	1	49	0	0	0
3705	2	79	0	0	0
3709	2	79	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)
2901	1	49	0	0	0
2905	2	79	0	0	0
2909	3	116	0	0	0
3003	2	84	0	0	0
3007	2	79	0	0	0
3101	1	49	0	0	0
3105	2	79	0	0	0
3109	3	116	0	0	0
3203	2	84	0	0	0
3207	2	79	0	0	0
3301	1	49	0	0	0
3305	2	79	0	0	0
3309	3	116	0	0	0
3403	2	84	0	0	0
3407	2	79	0	0	0
3501	1	49	0	0	0
3505	2	79	0	0	0
3509	3	116	0	0	0
3603	2	84	0	0	0
3607	1	27	0	0	0
3702	2	79	0	0	0
3706	2	79	0	0	0

Description of project

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

Common areas of unit building - Tower

Common area	Floor area (m²)
Gym area	97
FCR	15
On Floor Waste Rooms	173.4
ASHP, Pumps, & HEX Plantroom	306.5
Substation	58
BM Office/Mail & Parcel	112
Stairs	1025.8

Common area	Floor area (m²)
Services Rooms	552.3
Cold Water Meter Room	8
Fire Pump & Tank Room	94.7
Pumps, HEX, & HW Storage Room	233.8
Bike Storage	352
Ground Lobby/Concierge/Flexible Function	350.9
BOH Circulation	134.1

Common area	Floor area (m²)
MSR	45.6
Comms Room	61.4
Rainwater Tank & Pump	76.4
Cooling Tower Plantroom	251
Carpark Storage	142
Level 03 Circulation	121.6

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - Tower
    - (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 single dwelling houses
    - (a) Dwellings
        - (i) Water
        - (ii) Energy
        - (iii) Thermal Performance and Materials

3. 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 carriedout. 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 - Tower

(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 enclosed subfloor, frame: suspended concrete slab	28944.4	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	off form concrete,frame:light steel frame	5000	none	fibreglass batts or roll

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	5000	fibreglass batts or roll

Reinforcement concrete frames/columns		
Building has reinforced concrete frame/columns?	Volume (m³)	Low emissions option
no	-	-

Ceiling and roof types			
Ceiling and roof type	Area (m²)	Roof Insulation	Ceiling Insulation
framed - metal roof, frame: light steel frame	1000	foil/sarking	fibreglass batts or roll

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	4000	0	4000	-	-	-	-

(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 (> 4.5 but <= 6 L/min)	4 star	6 star	6 star	-	5 star	5.5 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**
0401, 0402, 0403, 0404, 0405, 0406, 0407, 0408, 0409, 0410, 0501, 0502, 0503, 0504, 0505, 0506, 0507, 0508, 0601, 0602, 0603, 0604, 0605, 0606, 0607, 0608, 0701, 0702, 0703, 0704, 0705, 0706, 0707, 0801, 0802, 0803, 0804, 0805, 0806, 0807	Central water tank (No. 1)	See central systems	See central systems	-	yes	-	-	-
All other dwellings	No alternative water supply	-	-	-	-	-	-	-

(ii) Energy	**Show on DA plans**	**Show on CC/CDC plans & specs**	**Certifier check**
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.			
(b) The applicant must install each hot water system specified for the dwelling in the table below, so that the dwelling's hot water is supplied by that system. If the table specifies a central hot water system for the dwelling, then the applicant must connect that central system to the dwelling, so that the dwelling's hot water is supplied by that central system.	✔	✔	✔
(c) The applicant must install, in each bathroom, kitchen and laundry of the dwelling, the ventilation system specified for that room in the table below. Each such ventilation system must have the operation control specified for it in the table.		✔	✔
(d) The applicant must install the cooling and heating system/s specified for the dwelling under the "Living areas" and "Bedroom areas" headings of the "Cooling" and "Heating" columns in the table below, in/for at least 1 living/bedroom area of the dwelling. If no cooling or heating system is specified in the table for "Living areas" or "Bedroom areas", then no systems may be installed in any such areas. If the term "zoned" is specified beside an air conditioning system, then the system must provide for day/night zoning between living areas and bedrooms.		✔	✔

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(e) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Artificial lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that the "primary type of artificial lighting" for each such room in the dwelling is fluorescent lighting or light emitting diode (LED) lighting. If the term "dedicated" is specified for a particular room or area, then the light fittings in that room or area must only be capable of being used for fluorescent lighting or light emitting diode (LED) lighting.		✔	✔
(f) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Natural lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that each such room or area is fitted with a window and/or skylight.	✔	✔	✔
(g) This commitment applies if the applicant installs a water heating system for the dwelling's pool or spa. The applicant must:			
(aa) install the system specified for the pool in the "Individual Pool" column of the table below (or alternatively must not install any system for the pool). If specified, the applicant must install a timer, to control the pool's pump; and		✔	
(bb) install the system specified for the spa in the "Individual Spa" column of the table below (or alternatively must not install any system for the spa). If specified, the applicant must install a timer to control the spa's pump.		✔	
(h) The applicant must install in the dwelling:			
(aa) the kitchen cook-top and oven specified for that dwelling in the "Appliances & other efficiency measures" column of the table below;		✔	
(bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and		✔	✔
(cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✔	
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✔	

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

	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 - ducted / EER 3.5 - 4.0	1-phase airconditioning - ducted / EER 3.5 - 4.0	1-phase airconditioning - ducted / EER 3.5 - 4.0	1-phase airconditioning - 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	4.5 star	9.0 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	✔	✔	✔

(iii) Thermal Performance	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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/m²/yr)	Area adjusted cooling load (in MJ/m²/yr)	Area adjusted total load (in MJ/m²/yr)
0401	33	17.4	50.400
0402	41.2	5.1	46.300
0403	31	36.2	67.200
0404	10.5	27.4	37.900
0405	32.6	15.8	48.400
0406	38	14.7	52.700
0407	38.7	14.2	52.900
0408	47.1	28.3	75.400
0409	45.1	16	61.100
0410	35.4	13.1	48.500
0501	31.2	17	48.200
0502	22.8	15.3	38.100
0503	22.3	40.4	62.700
0504	7.9	35.4	43.300
0505	27	19.4	46.400
0506	30	18.6	48.600
0507	29.5	19.4	48.900
0508	37.4	34.7	72.100
0509	36.3	26.1	62.400
0510	26.5	22	48.500
0601	31.8	18.3	50.100

	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)
0602	18.2	18.8	37.000
0603	17	48.5	65.500
0604	8.2	39.4	47.600
0605	27.1	21.4	48.500
0606	29.5	19.6	49.100
0607	29.6	19.1	48.700
0608	34.5	38.8	73.300
0609	35.3	28.6	63.900
0610	22.7	24.9	47.600
0701	39.9	12.1	52.000
0702	18.4	19.5	37.900
0703	17	44.4	61.400
0704	8.7	37.9	46.600
0705	28.5	20.1	48.600
0706	30.5	16	46.500
0707	31.6	14.6	46.200
0708	38.1	33.7	71.800
0709	38.2	25.4	63.600
0710	23.3	25.5	48.800
0801	36.9	9	45.900
0802	20.8	15	35.800
0803	20.8	40	60.800
0804	10.4	29.6	40.000
0805	30.2	16.3	46.500
0806	32.6	15.1	47.700
0807	32.8	14.5	47.300
0808	38.5	30.5	69.000
0809	37.6	19.7	57.300
0810	26	19.2	45.200
0901	10.1	43.6	53.700
0902	0.1	44.3	44.400

	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)
0904	1	43.5	44.500
0905	0.1	42.6	42.700
0906	21	38	59.000
0907	10.3	25.3	35.600
0908	0.1	39.5	39.600
0909	0.1	45.9	46.000
0910	1.3	43.1	44.400
0911	0.1	49.2	49.300
0912	0.1	41.4	41.500
0913	0.5	40.1	40.600
0914	0.1	48	48.100
0915	1	50.4	51.400
0916	0.4	48	48.400
0917	39.1	25.4	64.500
0918	38.9	19.8	58.700
0919	24.7	19.9	44.600
1001	10.5	43.8	54.300
1002	1	45.5	46.500
1003	1	45.3	46.300
1004	1	37.7	38.700
1005	1	41.8	42.800
1006	21	39.7	60.700
1007	10.5	29.8	40.300
1009	6.8	48.9	55.700
1010	0.1	45.3	45.400
1011	1	48.7	49.700
1012	0.1	46.8	46.900
1015	1	49.2	50.200
1016	1	47.8	48.800
1017	37.6	29.7	67.300
1018	39.7	20.1	59.800

	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)
1019	24.2	19	43.200
1101	10	43.4	53.400
1102	1	43	44.000
1103	1	42.5	43.500
1105	1	43.6	44.600
1106	21.3	35	56.300
1107	10.6	29.7	40.300
1108	0.3	43.5	43.800
1109	0.1	41.8	41.900
1110	0.2	39.5	39.700
1111	0.1	39.3	39.400
1112	0.1	47	47.100
1114	0.1	39.8	39.900
1115	0.1	40.4	40.500
1116	1	40.3	41.300
1117	38.6	37.8	76.400
1118	40.5	20.4	60.900
1119	25.1	19.2	44.300
1201	10.8	44.1	54.900
1202	1	44.2	45.200
1203	1	43.7	44.700
1205	1	41	42.000
1206	20.8	39.8	60.600
1207	10.4	29.3	39.700
1208	0.1	45.2	45.300
1209	1	46.9	47.900
1210	0.1	43	43.100
1211	0.1	46.2	46.300
1212	0.1	46.6	46.700
1213	1	41.1	42.100
1214	0.1	47.8	47.900

	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)
1215	0.1	47.5	47.600
1216	1	47	48.000
1217	37.7	30.8	68.500
1218	38	19.2	57.200
1219	21.8	18.9	40.700
1301	10.4	41.6	52.000
1302	0.1	45.8	45.900
1303	1	44	45.000
1304	1	42.2	43.200
1305	0.2	44.2	44.400
1306	21.4	37.4	58.800
1307	10.2	26.1	36.300
1308	0.1	41.2	41.300
1309	0.1	45.5	45.600
1310	0.5	47.8	48.300
1312	0.1	41.5	41.600
1313	0.4	41.8	42.200
1314	1	48	49.000
1316	0.3	49.3	49.600
1317	38.6	27.8	66.400
1318	39.2	19.7	58.900
1319	22.8	18.9	41.700
1401	30.8	11.7	42.500
1402	21.6	14.6	36.200
1403	21.5	39.4	60.900
1404	10.6	28.9	39.500
1405	30.6	15.9	46.500
1406	32.1	15	47.100
1407	32.9	14.4	47.300
1408	39	29.7	68.700
1409	39.9	20.1	60.000

	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)
1410	22.5	17.7	40.200
1501	29.3	10.9	40.200
1502	20.5	17	37.500
1503	21.5	37.5	59.000
1505	32	14.5	46.500
1506	34	12.5	46.500
1507	34.2	11.4	45.600
1508	39.7	38.8	78.500
1509	40.2	19.8	60.000
1601	31	11.6	42.600
1602	21.7	15.2	36.900
1603	21.7	38.7	60.400
1605	30.9	15.4	46.300
1606	33.1	14.9	48.000
1608	39.2	29.5	68.700
1609	38.5	18.8	57.300
1610	22.7	17.3	40.000
1701	29.6	10.9	40.500
1702	21.5	16.7	38.200
1703	21.6	37.5	59.100
1704	10.4	26.4	36.800
1705	31.1	14.1	45.200
1706	34.7	14	48.700
1708	40.9	25.7	66.600
1709	39.7	19.7	59.400
1710	23.5	18	41.500
1801	29.9	13.6	43.500
1802	21.8	15.1	36.900
1803	22	38.4	60.400
1804	10.9	28.8	39.700
1805	31.1	15.2	46.300

	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)
1806	33.5	14.6	48.100
1807	32.5	14.8	47.300
1808	39.5	29.3	68.800
1809	40.4	19.7	60.100
1810	22.8	17.1	39.900
1901	31.4	10.7	42.100
1902	22	15.8	37.800
1903	22.2	33.1	55.300
1904	11	28.8	39.800
1905	32.3	14.5	46.800
1906	34.3	11.9	46.200
1907	33.8	12.5	46.300
1908	41.2	26.1	67.300
1909	40.6	19.4	60.000
1910	23.7	17.8	41.500
2001	33.6	9.6	43.200
2002	22.2	14.8	37.000
2003	22	38.8	60.800
2004	11.1	28.6	39.700
2005	31.3	15.2	46.500
2006	33.7	14.6	48.300
2007	32.8	14.8	47.600
2008	39.7	29.4	69.100
2009	39	18.8	57.800
2010	22.1	18.3	40.400
2101	32.6	9.5	42.100
2102	21.8	15.7	37.500
2103	21.8	37.9	59.700
2104	10.7	25.5	36.200
2105	32	12.7	44.700
2106	35	13.9	48.900

	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)
2107	32.9	14.7	47.600
2108	41.4	25.8	67.200
2109	40.3	19.6	59.900
2110	23.1	18.3	41.400
2201	32.5	9.9	42.400
2203	22.3	38.7	61.000
2204	10.6	28.5	39.100
2205	31.5	15.7	47.200
2207	33	14.5	47.500
2208	39.8	29.3	69.100
2209	40.9	19.2	60.100
2210	22.3	17.9	40.200
2301	31	9.6	40.600
2302	22.4	15.2	37.600
2303	22	37.3	59.300
2304	11.1	28.4	39.500
2305	32.5	15.1	47.600
2306	34.2	13.1	47.300
2307	34.8	11.5	46.300
2308	41.5	25.8	67.300
2309	41.2	18.9	60.100
2310	23.2	18.4	41.600
2401	33.5	9.8	43.300
2402	22.6	14.8	37.400
2403	22.2	38.8	61.000
2404	11.3	28.2	39.500
2405	31.5	15.9	47.400
2406	34	14.2	48.200
2407	33.1	14.6	47.700
2408	40	29.4	69.400
2409	39.4	18.4	57.800

	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)
2410	22.4	17.8	40.200
2501	32.9	9.4	42.300
2502	22.5	15.7	38.200
2503	22.7	36.7	59.400
2504	10.8	25.9	36.700
2505	31.6	14.3	45.900
2506	35.3	13.8	49.100
2507	33.1	14.4	47.500
2508	41.7	25.5	67.200
2509	40.7	18.8	59.500
2601	32.8	9.7	42.500
2603	22.6	38.4	61.000
2604	11.4	28	39.400
2605	31.6	15.2	46.800
2607	33.2	14.3	47.500
2608	40.1	29.1	69.200
2609	42.1	19	61.100
2610	22.6	17.9	40.500
2701	31.9	9.4	41.300
2702	22.6	15.5	38.100
2703	21.6	36	57.600
2704	11.4	28.5	39.900
2705	32.7	14.2	46.900
2706	34.4	12.7	47.100
2707	35.2	10.9	46.100
2708	41.8	25.6	67.400
2709	41.5	18.9	60.400
2710	23.4	18.3	41.700
2801	32.4	9.9	42.300
2802	22.7	15.1	37.800
2803	22.6	38.7	61.300

	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)
2804	11.6	28.1	39.700
2805	31.7	15.4	47.100
2806	33.3	14.1	47.400
2808	40.3	28.9	69.200
2809	39.6	18	57.600
2810	22.7	17.5	40.200
2901	32.1	9.6	41.700
2902	22.9	15.1	38.000
2903	22.7	36.9	59.600
2904	11	26	37.000
2905	32.4	12.6	45.000
2906	35.7	13.4	49.100
2907	33.4	14.1	47.500
2908	42	25.4	67.400
2909	40.9	19.3	60.200
2910	23.5	18.2	41.700
3001	33.1	9.8	42.900
3002	22.6	15.6	38.200
3003	22.7	38.1	60.800
3004	11.9	28	39.900
3005	31.9	15.3	47.200
3006	34.4	13.9	48.300
3007	33.5	14.2	47.700
3008	40.5	28.8	69.300
3009	41.5	19.2	60.700
3010	23.6	18.2	41.800
3101	32.4	9.5	41.900
3103	22.9	34.2	57.100
3104	11.7	27.9	39.600
3105	33.1	14.3	47.400
3106	35	11.6	46.600

	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)
3107	36.3	10.5	46.800
3108	42.1	25.5	67.600
3109	41.8	18.7	60.500
3110	23.6	17.9	41.500
3201	34	9.9	43.900
3202	23.5	14.8	38.300
3203	22.9	38.3	61.200
3204	11.8	27.9	39.700
3205	31.9	15.4	47.300
3206	34.5	14.1	48.600
3207	33.6	14.1	47.700
3208	40.7	28.8	69.500
3209	40.4	18.4	58.800
3210	22.9	18	40.900
3301	33.1	9.2	42.300
3303	22.7	36	58.700
3304	11.4	25.4	36.800
3305	32.6	12.7	45.300
3306	35.6	13.6	49.200
3307	33.4	14.2	47.600
3308	42.2	25.3	67.500
3309	41.1	19.3	60.400
3310	23.7	18.1	41.800
3401	33.6	9.7	43.300
3403	21.5	29.8	51.300
3404	11.9	27.9	39.800
3406	34.3	13.9	48.200
3407	33.7	14.1	47.800
3408	40.8	28.7	69.500
3409	41.6	19.4	61.000
3410	23	17.7	40.700

	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)
3501	32.9	9.3	42.200
3502	23.2	15.2	38.400
3503	22.9	33.3	56.200
3504	11.9	27.6	39.500
3506	35.2	11.7	46.900
3507	38.7	12.5	51.200
3509	54.1	24.1	78.200
3510	23.9	17.7	41.600
3601	32.6	10	42.600
3603	22.8	38.4	61.200
3604	12	27.5	39.500
3606	34.6	14	48.600
3607	10.3	42.3	52.600
3608	22.1	46.3	68.400
3609	25.4	21.4	46.800
3701	44.4	17	61.400
3702	37.1	23.2	60.300
3703	36.3	42.6	78.900
3704	23.9	30.9	54.800
3705	45	17.5	62.500
3706	45.5	19.4	64.900
3707	11.7	41.8	53.500
3708	22.9	50.5	73.400
3709	42.3	31.8	74.100
0903, 3508	1	46	47.000
1008, 1311	0.1	46	46.100
1013, 1113	1	41.4	42.400
1014, 1315	1	47.6	48.600
1104, 1204	1	42.1	43.100
1504, 1604	10.7	29	39.700
1510, 2510	23.3	18.1	41.400

	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)**
1607, 1707	32.4	15.2	47.600
2202, 3602	22.8	15.4	38.200
2206, 2606	33.9	14.3	48.200
2602, 3402	22.7	15.2	37.900
2807, 3505	33.3	14.2	47.500
3102, 3302	22.9	15.5	38.400
All other dwellings	32.1	15.2	47.300

(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 (> 4.5 but <= 6 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**
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
Gym area	air conditioning system	time clock or BMS controlled	light-emitting diode	time clocks	yes
Undercover car park area	no mechanical ventilation	-	light-emitting diode	zoned switching with motion sensor	yes
Services Rooms	ventilation exhaust only	interlocked to light	light-emitting diode	motion sensors	yes
MSR	ventilation (supply + exhaust)	thermostatically controlled	light-emitting diode	manual on / manual off	yes
FCR	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Cold Water Meter Room	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Comms Room	ventilation (supply + exhaust)	thermostatically controlled	light-emitting diode	manual on / manual off	yes
On Floor Waste Rooms	ventilation exhaust only	-	light-emitting diode	motion sensors	yes
Waste Rooms	ventilation exhaust only	-	light-emitting diode	motion sensors	yes
Hot Water Plant Room	ventilation (supply + exhaust)	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Fire Pump & Tank Room	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Rainwater Tank & Pump	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
ASHP, Pumps, & HEX Plantroom	no mechanical ventilation	-	light-emitting diode	manual on / manual off	yes
Pumps, HEX, & HW Storage Room	no mechanical ventilation	-	light-emitting diode	manual on / manual off	yes
Cooling Tower Plantroom	no mechanical ventilation	-	light-emitting diode	manual on / manual off	yes
Substation	ventilation (supply + exhaust)	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Amenity Rooms	air conditioning system	time clock or BMS controlled	light-emitting diode	motion sensors	yes
Bike Storage	no mechanical ventilation	-	light-emitting diode	motion sensors	yes
Carpark Storage	no mechanical ventilation	-	light-emitting diode	motion sensors	yes
BM Office/Mail & Parcel	air conditioning system	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	yes
Ground Lobby/Concierge/ Flexible Function	air conditioning system	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	yes

	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**
Level 03 Circulation	air conditioning system	time clock or BMS controlled	light-emitting diode	motion sensors	yes
Residential Floors Circulation	no mechanical ventilation	-	light-emitting diode	motion sensors	yes
Stairs	no mechanical ventilation	-	light-emitting diode	motion sensors	yes
BOH Circulation	no mechanical ventilation	-	light-emitting diode	motion sensors	yes

Central energy systems	Type	Specification
Lift bank (No. 1)	permanent magnet synchronous motor (PMSM) and regenerative drive	Number of levels with apartments served by a lift: 34 number of levels from the bottom of the lift shaft to the top of the lift shaft: 39 number of lifts: 2 lift load capacity: >= 1001 kg but <= 1500kg
Lift bank (No. 2)	permanent magnet synchronous motor (PMSM) and regenerative drive	Number of levels with apartments served by a lift: 34 number of levels from the bottom of the lift shaft to the top of the lift shaft: 38 number of lifts: 2 lift load capacity: >= 1001 kg but <= 1500kg

2. 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.		✔	

3. 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
concrete slab on ground, frame:	5000	-	none

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	off form concrete,frame:light steel frame	500	none	fibreglass batts or roll

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	500	-

Reinforcement concrete frames/columns

Building has reinforced concrete frame/columns?	Volume (m^3)	Low emissions option
no	-	-

Ceiling and roof types			
Ceiling and roof type	**Area (m²)**	**Roof Insulation**	**Ceiling Insulation**
framed - metal roof, frame: light steel frame	1000	foil/sarking	fibreglass batts or roll

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	4000	0	4000	-	-	-	-

(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 (> 4.5 but <= 6 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)	50000	To collect run-off from at least: - 1300 square metres of roof area of buildings in the development - 400 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 1093 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.	✔	✔	✔

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: 3.5 < COP <= 4.0
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 335 peak kW
Other	Building management system installed?: yes Active power factor correction 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 Group Certificate

Refer to next page.

Nationwide House Energy Rating Scheme®
Class 2 Summary
NatHERS® Certificate No. AZAAGFOL5K

Generated on 28 Oct 2025 using FirstRate5 v5.5.5a

Property

Address	81-83 George Street & 1 Barrack Lane, Parramatta, NSW, 2150
Lot/DP	
NatHERS Climate Zone	Richmond

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=AZAAGFOL5K&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.

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	23.8	25.6
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/m²/p.a.]	Cooling load (load limit) [MJ/m²/p.a.]	Total load [MJ/m²/p.a.]	Star rating	Whole of Home Rating
9PITICLR9U-01	1001	10.5 (N/A)	43.8 (N/A)	54.3	7.3	NA
11JHOQB3Y0-01	1002	0.0 (N/A)	45.5 (N/A)	45.5	7.8	NA

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
FE0DF09C7B-01	1003	0.0 (N/A)	45.3 (N/A)	45.3	7.8	NA
V46KTGKZ5I-01	1004	0.0 (N/A)	37.7 (N/A)	37.7	8.2	NA
N9I1KFUOE2-01	1005	0.0 (N/A)	41.8 (N/A)	41.8	7.9	NA
4LR6NEJD0F-01	1006	21.0 (N/A)	39.7 (N/A)	60.7	6.9	NA
S0SEA658XI-01	1007	10.5 (N/A)	29.8 (N/A)	40.3	8	NA
FM8PMG592A-01	1008	0.1 (N/A)	46.0 (N/A)	46.1	7.7	NA
GU8EGKN96P-01	1009	6.8 (N/A)	48.9 (N/A)	55.7	7.2	NA
6G8Z0WQD0O-01	1010	0.1 (N/A)	45.3 (N/A)	45.4	7.8	NA
JV16WRMBTH-01	1011	0.0 (N/A)	48.7 (N/A)	48.7	7.6	NA
IJK0982N70-01	1012	0.1 (N/A)	46.8 (N/A)	46.9	7.7	NA
S5BHL9OIZ0-01	1013	0.0 (N/A)	41.4 (N/A)	41.4	7.9	NA
Z1JN0U2CSZ-01	1014	0.0 (N/A)	47.6 (N/A)	47.6	7.7	NA
7LQYHX5I01-01	1015	0.0 (N/A)	49.2 (N/A)	49.2	7.6	NA
4CGA6OTUUX-01	1016	0.0 (N/A)	47.8 (N/A)	47.8	7.7	NA
DEM3SQA69O-01	1017	37.6 (N/A)	29.7 (N/A)	67.3	6.6	NA
G05I2HPMAY-01	1018	39.7 (N/A)	20.1 (N/A)	59.8	7	NA
DFS76WVJRM-01	1019	24.2 (N/A)	19.0 (N/A)	43.2	7.9	NA
M5RNRVII1C-01	1101	10.0 (N/A)	43.4 (N/A)	53.4	7.4	NA
X9ILVEH7HY-01	1102	0.0 (N/A)	43.0 (N/A)	43.0	7.9	NA
9GU6U7VO75-01	1103	0.0 (N/A)	42.5 (N/A)	42.5	7.9	NA
40OXN8IAX8-01	1104	0.0 (N/A)	42.1 (N/A)	42.1	7.9	NA
H2GJBD6HL1-01	1105	0.0 (N/A)	43.6 (N/A)	43.6	7.9	NA
OXB3N4XVKX-01	1106	21.3 (N/A)	35.0 (N/A)	56.3	7.2	NA
IVZK56UV8X-01	1107	10.6 (N/A)	29.7 (N/A)	40.3	8.1	NA
5HKIRG9K5Q-01	1108	0.3 (N/A)	43.5 (N/A)	43.8	7.9	NA
BOCFRGYVKS-01	1109	0.1 (N/A)	41.8 (N/A)	41.9	7.9	NA
KX090WC6NF-01	1110	0.2 (N/A)	39.5 (N/A)	39.7	8.1	NA
TKJY6HN3MG-01	1111	0.1 (N/A)	39.3 (N/A)	39.4	8.1	NA
4N04W3SU3Z-01	1112	0.1 (N/A)	47.0 (N/A)	47.1	7.7	NA
H8LPNIRKR4-01	1113	0.0 (N/A)	41.4 (N/A)	41.4	7.9	NA
ED7060EOJJ-01	1114	0.1 (N/A)	39.8 (N/A)	39.9	8.1	NA
35JDX775N6-01	1115	0.1 (N/A)	40.4 (N/A)	40.5	8	NA
ERDY7U93KX-01	1116	0.0 (N/A)	40.3 (N/A)	40.3	8	NA
0CLRB1PA76-01	1117	38.6 (N/A)	37.8 (N/A)	76.4	6.1	NA
ZELT5LYH1Q-01	1118	40.5 (N/A)	20.4 (N/A)	60.9	6.9	NA
LV7U0WAJ2M-01	1119	25.1 (N/A)	19.2 (N/A)	44.3	7.8	NA
3APRUK7GKR-01	1201	10.8 (N/A)	44.1 (N/A)	54.9	7.3	NA

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
YXTGB4AKM8-01	1202	0.0 (N/A)	44.2 (N/A)	44.2	7.8	NA
1781M8G2X2-01	1203	0.0 (N/A)	43.7 (N/A)	43.7	7.9	NA
58I1CBUYB2-01	1204	0.0 (N/A)	42.1 (N/A)	42.1	7.9	NA
QX776V7TT7-01	1205	0.0 (N/A)	41.0 (N/A)	41.0	8	NA
UK1R66CYFV-01	1206	20.8 (N/A)	39.8 (N/A)	60.6	6.9	NA
EFSSVZO1EA-01	1207	10.4 (N/A)	29.3 (N/A)	39.7	8.1	NA
KMIURD9A41-01	1208	0.1 (N/A)	45.2 (N/A)	45.3	7.8	NA
BWIZHUG15F-01	1209	0.0 (N/A)	46.9 (N/A)	46.9	7.7	NA
GFPTXIBH92-01	1210	0.1 (N/A)	43.0 (N/A)	43.1	7.9	NA
SX68BO335G-01	1211	0.1 (N/A)	46.2 (N/A)	46.3	7.7	NA
S91CI7CF5G-01	1212	0.1 (N/A)	46.6 (N/A)	46.7	7.7	NA
PIL33MMG3Y-01	1213	0.0 (N/A)	41.1 (N/A)	41.1	7.9	NA
MX7Y3XPO9B-01	1214	0.1 (N/A)	47.8 (N/A)	47.9	7.7	NA
U6LG7EU30E-01	1215	0.1 (N/A)	47.5 (N/A)	47.6	7.7	NA
78G2DSD71J-01	1216	0.0 (N/A)	47.0 (N/A)	47.0	7.7	NA
DVY4OFA162-01	1217	37.7 (N/A)	30.8 (N/A)	68.5	6.6	NA
AXBQIY675Q-01	1218	38.0 (N/A)	19.2 (N/A)	57.2	7.2	NA
SMA9L69P57-01	1219	21.8 (N/A)	18.9 (N/A)	40.7	8	NA
IC6QNOEYBW-01	1301	10.4 (N/A)	41.6 (N/A)	52.0	7.4	NA
ZRC7ZV5SVW-01	1302	0.1 (N/A)	45.8 (N/A)	45.9	7.8	NA
1LNJVOYSQ9-01	1303	0.0 (N/A)	44.0 (N/A)	44.0	7.9	NA
7NCV2JBRZ7-01	1304	0.0 (N/A)	42.2 (N/A)	42.2	7.9	NA
XGWO4GUQXU-01	1305	0.2 (N/A)	44.2 (N/A)	44.4	7.8	NA
II2EKJ4P9H-01	1306	21.4 (N/A)	37.4 (N/A)	58.8	7.1	NA
4RWVM9LUI1-01	1307	10.2 (N/A)	26.1 (N/A)	36.3	8.3	NA
QHV2MCFYSF-01	1308	0.1 (N/A)	41.2 (N/A)	41.3	7.9	NA
WI18CCO2DS-01	1309	0.1 (N/A)	45.5 (N/A)	45.6	7.8	NA
CAIXGHPX0K-01	1310	0.5 (N/A)	47.8 (N/A)	48.3	7.6	NA
TRCMQYSIIC-01	1311	0.1 (N/A)	46.0 (N/A)	46.1	7.7	NA
ANJ20GKIT2-01	1312	0.1 (N/A)	41.5 (N/A)	41.6	7.9	NA
X1OSC4JMJ9-01	1313	0.4 (N/A)	41.8 (N/A)	42.2	7.9	NA
YREIFKQD0M-01	1314	0.0 (N/A)	48.0 (N/A)	48.0	7.7	NA
KMQOKDIILY-01	1315	0.0 (N/A)	47.6 (N/A)	47.6	7.7	NA
86QRBN9LBK-01	1316	0.3 (N/A)	49.3 (N/A)	49.6	7.6	NA
PQ6YLGDXAJ-01	1317	38.6 (N/A)	27.8 (N/A)	66.4	6.7	NA
O7MODIH7IS-01	1318	39.2 (N/A)	19.7 (N/A)	58.9	7.1	NA

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
D418ZVMJGD-01	1319	22.8 (N/A)	18.9 (N/A)	41.7	7.9	NA
ELYPOEKGV2	1401	30.8 (N/A)	11.7 (N/A)	42.5	7.9	NA
L0OJ9GHRO5	1402	21.6 (N/A)	14.6 (N/A)	36.2	8.3	NA
58P55HQGAH	1403	21.5 (N/A)	39.4 (N/A)	60.9	6.9	NA
BIHHJYAA8B	1404	10.6 (N/A)	28.9 (N/A)	39.5	8.1	NA
HNZYFUH9NL	1405	30.6 (N/A)	15.9 (N/A)	46.5	7.7	NA
014133KAE3	1406	32.1 (N/A)	15.0 (N/A)	47.1	7.7	NA
N2LSISMW64	1407	32.9 (N/A)	14.4 (N/A)	47.3	7.7	NA
FY5P51ZWJD	1408	39.0 (N/A)	29.7 (N/A)	68.7	6.6	NA
472CZ7TR9S	1409	39.9 (N/A)	20.1 (N/A)	60.0	7	NA
D736I1U6U1	1410	22.5 (N/A)	17.7 (N/A)	40.2	8.1	NA
1815O61YZJ	1501	29.3 (N/A)	10.9 (N/A)	40.2	8.1	NA
2UKWCLBRVK	1502	20.5 (N/A)	17.0 (N/A)	37.5	8.2	NA
5JDO1J7JCA	1503	21.5 (N/A)	37.5 (N/A)	59.0	7.1	NA
CQCZHFURJ3	1504	10.7 (N/A)	29.0 (N/A)	39.7	8.1	NA
HL9J7YL90H	1505	32.0 (N/A)	14.5 (N/A)	46.5	7.7	NA
3QYIVBHRW2	1506	34.0 (N/A)	12.5 (N/A)	46.5	7.7	NA
4JSGOCS2DO	1507	34.2 (N/A)	11.4 (N/A)	45.6	7.8	NA
R4SO81V5JB	1508	39.7 (N/A)	38.8 (N/A)	78.5	6	NA
IM6Q6UQL1Q	1509	40.2 (N/A)	19.8 (N/A)	60.0	7	NA
97BY2PWLJV	1510	23.3 (N/A)	18.1 (N/A)	41.4	7.9	NA
S53YQAJFZ3	1601	31.0 (N/A)	11.6 (N/A)	42.6	7.9	NA
62YOD5EQN4	1602	21.7 (N/A)	15.2 (N/A)	36.9	8.3	NA
C8TH7OEX8S	1603	21.7 (N/A)	38.7 (N/A)	60.4	6.9	NA
70DQ2J7N7R	1604	10.7 (N/A)	29.0 (N/A)	39.7	8.1	NA
J0YXVZJFU5	1605	30.9 (N/A)	15.4 (N/A)	46.3	7.7	NA
JSGOIACLJM	1606	33.1 (N/A)	14.9 (N/A)	48.0	7.6	NA
3CR4VSX13X	1607	32.4 (N/A)	15.2 (N/A)	47.6	7.7	NA
R5OZS3I5Z8	1608	39.2 (N/A)	29.5 (N/A)	68.7	6.6	NA
L2NAGPLGHH	1609	38.5 (N/A)	18.8 (N/A)	57.3	7.1	NA
YAZSWMV9PW	1610	22.7 (N/A)	17.3 (N/A)	40.0	8.1	NA
Z5YQSTRYQQ	1701	29.6 (N/A)	10.9 (N/A)	40.5	8	NA
ENPC7DD7VD	1702	21.5 (N/A)	16.7 (N/A)	38.2	8.2	NA
TT7ULNW4XL	1703	21.6 (N/A)	37.5 (N/A)	59.1	7.1	NA
UBRAUD5ANZ	1704	10.4 (N/A)	26.4 (N/A)	36.8	8.3	NA
YO111R233W	1705	31.1 (N/A)	14.1 (N/A)	45.2	7.8	NA

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
FT3OBVI9JD	1706	34.7 (N/A)	14.0 (N/A)	48.7	7.6	NA
9LKGQEI422	1707	32.4 (N/A)	15.2 (N/A)	47.6	7.7	NA
8EFEEF4JOX	1708	40.9 (N/A)	25.7 (N/A)	66.6	6.7	NA
8SBB40XH1Q	1709	39.7 (N/A)	19.7 (N/A)	59.4	7	NA
IQZV2VVEPX	1710	23.5 (N/A)	18.0 (N/A)	41.5	7.9	NA
6B3NUR73KB	1801	29.9 (N/A)	13.6 (N/A)	43.5	7.9	NA
9TYXU5HYC8	1802	21.8 (N/A)	15.1 (N/A)	36.9	8.3	NA
NLEKYTJQSI	1803	22.0 (N/A)	38.4 (N/A)	60.4	6.9	NA
JJ0LTT63ZD	1804	10.9 (N/A)	28.8 (N/A)	39.7	8.1	NA
V1F3TJX8J6	1805	31.1 (N/A)	15.2 (N/A)	46.3	7.7	NA
WQ1O61LW9F	1806	33.5 (N/A)	14.6 (N/A)	48.1	7.6	NA
68T3TPM11Z	1807	32.5 (N/A)	14.8 (N/A)	47.3	7.7	NA
8A8E8WZTDO	1808	39.5 (N/A)	29.3 (N/A)	68.8	6.6	NA
OT5KCMKMO7	1809	40.4 (N/A)	19.7 (N/A)	60.1	7	NA
03YMYQUHVZ	1810	22.8 (N/A)	17.1 (N/A)	39.9	8.1	NA
MMEF6YWCFM	1901	31.4 (N/A)	10.7 (N/A)	42.1	7.9	NA
1C0ZYPQUV6	1902	22.0 (N/A)	15.8 (N/A)	37.8	8.2	NA
3SBJ919801	1903	22.2 (N/A)	33.1 (N/A)	55.3	7.3	NA
ICQIVOD3ML	1904	11.0 (N/A)	28.8 (N/A)	39.8	8.1	NA
2JB911B2YV	1905	32.3 (N/A)	14.5 (N/A)	46.8	7.7	NA
FFO9TXLC4B	1906	34.3 (N/A)	11.9 (N/A)	46.2	7.7	NA
U2K4EXTS8A	1907	33.8 (N/A)	12.5 (N/A)	46.3	7.7	NA
62XX6N5T56	1908	41.2 (N/A)	26.1 (N/A)	67.3	6.6	NA
L9KHE01KLB	1909	40.6 (N/A)	19.4 (N/A)	60.0	7	NA
YNV9QUD46P	1910	23.7 (N/A)	17.8 (N/A)	41.5	7.9	NA
ITEAF4VBIA	2001	33.6 (N/A)	9.6 (N/A)	43.2	7.9	NA
B5V3HA29L8	2002	22.2 (N/A)	14.8 (N/A)	37.0	8.3	NA
UMRQ8GBGCG	2003	22.0 (N/A)	38.8 (N/A)	60.8	6.9	NA
0QZMOSZMO0	2004	11.1 (N/A)	28.6 (N/A)	39.7	8.1	NA
Z8PZQ6MDQM	2005	31.3 (N/A)	15.2 (N/A)	46.5	7.7	NA
KQB0A65BRA	2006	33.7 (N/A)	14.6 (N/A)	48.3	7.6	NA
NC70Z3R8YC	2007	32.8 (N/A)	14.8 (N/A)	47.6	7.7	NA
TZ7F7ITLAG	2008	39.7 (N/A)	29.4 (N/A)	69.1	6.5	NA
S6629RUW1J	2009	39.0 (N/A)	18.8 (N/A)	57.8	7.1	NA
LDQLRCP40C	2010	22.1 (N/A)	18.3 (N/A)	40.4	8	NA
HOB871PTTE	2101	32.6 (N/A)	9.5 (N/A)	42.1	7.9	NA

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
FTO8RVZGML	2102	21.8 (N/A)	15.7 (N/A)	37.5	8.2	NA
9RAHZXADQM	2103	21.8 (N/A)	37.9 (N/A)	59.7	7	NA
1FHAMO8IFH	2104	10.7 (N/A)	25.5 (N/A)	36.2	8.3	NA
MIF3U6BG55	2105	32.0 (N/A)	12.7 (N/A)	44.7	7.8	NA
WIPH49H6DJ	2106	35.0 (N/A)	13.9 (N/A)	48.9	7.6	NA
TAESVC95EL	2107	32.9 (N/A)	14.7 (N/A)	47.6	7.7	NA
WO75JTH5A0	2108	41.4 (N/A)	25.8 (N/A)	67.2	6.6	NA
39SKZ0X12N	2109	40.3 (N/A)	19.6 (N/A)	59.9	7	NA
B7YAAGFU0E	2110	23.1 (N/A)	18.3 (N/A)	41.4	7.9	NA
C26LL7J1BT	2201	32.5 (N/A)	9.9 (N/A)	42.4	7.9	NA
B2KC0ZHRB3	2202	22.8 (N/A)	15.4 (N/A)	38.2	8.2	NA
PY5ACKR3UV	2203	22.3 (N/A)	38.7 (N/A)	61.0	6.9	NA
ENY8NDZKT2	2204	10.6 (N/A)	28.5 (N/A)	39.1	8.1	NA
MH0URMD25W	2205	31.5 (N/A)	15.7 (N/A)	47.2	7.7	NA
THBZPWQMSJ	2206	33.9 (N/A)	14.3 (N/A)	48.2	7.6	NA
BDCXDKM6UV	2207	33.0 (N/A)	14.5 (N/A)	47.5	7.7	NA
P9ZZITGDTB	2208	39.8 (N/A)	29.3 (N/A)	69.1	6.5	NA
2Q37551X4V	2209	40.9 (N/A)	19.2 (N/A)	60.1	6.9	NA
S74C3BBVSC	2210	22.3 (N/A)	17.9 (N/A)	40.2	8	NA
0Q9ZCKS4W5	2301	31.0 (N/A)	9.6 (N/A)	40.6	8	NA
G3BCNU2AHM	2302	22.4 (N/A)	15.2 (N/A)	37.6	8.2	NA
HQU466O7MR	2303	22.0 (N/A)	37.3 (N/A)	59.3	7	NA
PMWME8GCTP	2304	11.1 (N/A)	28.4 (N/A)	39.5	8.1	NA
1184BE5KGR	2305	32.5 (N/A)	15.1 (N/A)	47.6	7.7	NA
B3FBYOBEC5	2306	34.2 (N/A)	13.1 (N/A)	47.3	7.7	NA
5Z0LQ2Z3IO	2307	34.8 (N/A)	11.5 (N/A)	46.3	7.7	NA
L050A2D5B8	2308	41.5 (N/A)	25.8 (N/A)	67.3	6.6	NA
F8AVCK8VKH	2309	41.2 (N/A)	18.9 (N/A)	60.1	6.9	NA
UHGD3MCMHO	2310	23.2 (N/A)	18.4 (N/A)	41.6	7.9	NA
Z1A110IHTM	2401	33.5 (N/A)	9.8 (N/A)	43.3	7.9	NA
1C7UPWHQSM	2402	22.6 (N/A)	14.8 (N/A)	37.4	8.2	NA
W3VYDW4PME	2403	22.2 (N/A)	38.8 (N/A)	61.0	6.9	NA
TJ4OZTCWTO	2404	11.3 (N/A)	28.2 (N/A)	39.5	8.1	NA
A91AVJ7KRQ	2405	31.5 (N/A)	15.9 (N/A)	47.4	7.7	NA
XCI3OD3V9D	2406	34.0 (N/A)	14.2 (N/A)	48.2	7.6	NA
REQ526YZWO	2407	33.1 (N/A)	14.6 (N/A)	47.7	7.7	NA

Summary of all dwellings

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43L5WJ754A	2408	40.0 (N/A)	29.4 (N/A)	69.4	6.5	NA
X373ULARRK	2409	39.4 (N/A)	18.4 (N/A)	57.8	7.1	NA
PXQGND4BTG	2410	22.4 (N/A)	17.8 (N/A)	40.2	8.1	NA
YYV1ZE2684	2501	32.9 (N/A)	9.4 (N/A)	42.3	7.9	NA
MPWR3IJSWY	2502	22.5 (N/A)	15.7 (N/A)	38.2	8.2	NA
L8DZTA9IX0	2503	22.7 (N/A)	36.7 (N/A)	59.4	7	NA
4KKJ7KS5IE	2504	10.8 (N/A)	25.9 (N/A)	36.7	8.3	NA
IB554FRPJS	2505	31.6 (N/A)	14.3 (N/A)	45.9	7.8	NA
SEASFIEXCG	2506	35.3 (N/A)	13.8 (N/A)	49.1	7.6	NA
3DV0QW4V30	2507	33.1 (N/A)	14.4 (N/A)	47.5	7.7	NA
B3MDUS3W2U	2508	41.7 (N/A)	25.5 (N/A)	67.2	6.6	NA
NS4LPPCP4D	2509	40.7 (N/A)	18.8 (N/A)	59.5	7	NA
3I3IEQEDL6	2510	23.3 (N/A)	18.1 (N/A)	41.4	7.9	NA
PN1Z1TUUJN	2601	32.8 (N/A)	9.7 (N/A)	42.5	7.9	NA
K8E8RC1RVH	2602	22.7 (N/A)	15.2 (N/A)	37.9	8.2	NA
6U47IUVGSC	2603	22.6 (N/A)	38.4 (N/A)	61.0	6.9	NA
2C8BL6HEVH	2604	11.4 (N/A)	28.0 (N/A)	39.4	8.1	NA
RV9SOY6EFB	2605	31.6 (N/A)	15.2 (N/A)	46.8	7.7	NA
IY5223V2VM	2606	33.9 (N/A)	14.3 (N/A)	48.2	7.6	NA
MACLHHDQXX	2607	33.2 (N/A)	14.3 (N/A)	47.5	7.7	NA
ELVOT9AYEG	2608	40.1 (N/A)	29.1 (N/A)	69.2	6.5	NA
0FF8MKSALN	2609	41.2 (N/A)	19.0 (N/A)	60.2	6.9	NA
GPLRHKU751	2610	22.6 (N/A)	17.9 (N/A)	40.5	8	NA
Q9M1XSKE9X	2701	31.9 (N/A)	9.4 (N/A)	41.3	7.9	NA
0VEU7MFH5C	2702	22.6 (N/A)	15.5 (N/A)	38.1	8.2	NA
AQ8I9SMP2G	2703	21.6 (N/A)	36.0 (N/A)	57.6	7.1	NA
MCI73AJKUH	2704	11.4 (N/A)	28.5 (N/A)	39.9	8.1	NA
AZPY8L6W95	2705	32.7 (N/A)	14.2 (N/A)	46.9	7.7	NA
JC4U74Y48J	2706	34.4 (N/A)	12.7 (N/A)	47.1	7.7	NA
EWKZ69TMYD	2707	35.2 (N/A)	10.9 (N/A)	46.1	7.8	NA
WBY0WMBMHZ	2708	41.8 (N/A)	25.6 (N/A)	67.4	6.6	NA
KMG5GWSVIM	2709	41.5 (N/A)	18.9 (N/A)	60.4	6.9	NA
95TPYKEPLH	2710	23.4 (N/A)	18.3 (N/A)	41.7	7.9	NA
PR43NEI7PM	2801	32.4 (N/A)	9.9 (N/A)	42.3	7.9	NA
HEZSA1IW5Q	2802	22.7 (N/A)	15.1 (N/A)	37.8	8.2	NA
TO7IPR2W4G	2803	22.6 (N/A)	38.7 (N/A)	61.3	6.9	NA

Summary of all dwellings

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D2D3S3KUZ2	2804	11.6 (N/A)	28.1 (N/A)	39.7	8.1	NA
Y15PKYG4K4	2805	31.7 (N/A)	15.4 (N/A)	47.1	7.7	NA
8Z4VJWJ4FJ	2806	33.3 (N/A)	14.1 (N/A)	47.4	7.7	NA
U69R3QHCN7	2807	33.3 (N/A)	14.2 (N/A)	47.5	7.7	NA
BXAJHFB130	2808	40.3 (N/A)	28.9 (N/A)	69.2	6.5	NA
5G3M66R3EK	2809	39.6 (N/A)	18.0 (N/A)	57.6	7.1	NA
NCP453U654	2810	22.7 (N/A)	17.5 (N/A)	40.2	8.1	NA
4L077VLTXJ	2901	32.1 (N/A)	9.6 (N/A)	41.7	7.9	NA
DHSFAN0GLU	2902	22.9 (N/A)	15.1 (N/A)	38.0	8.2	NA
IICKFD4KO6	2903	22.7 (N/A)	36.9 (N/A)	59.6	7	NA
SZYKLZ3FL7	2904	11.0 (N/A)	26.0 (N/A)	37.0	8.3	NA
8BEKOYNXP9	2905	32.4 (N/A)	12.6 (N/A)	45.0	7.8	NA
9MW0THD5I3	2906	35.7 (N/A)	13.4 (N/A)	49.1	7.6	NA
555AHCKW56	2907	33.4 (N/A)	14.1 (N/A)	47.5	7.7	NA
WRE88H801X	2908	42.0 (N/A)	25.4 (N/A)	67.4	6.6	NA
WQ53JWH0RG	2909	40.9 (N/A)	19.3 (N/A)	60.2	6.9	NA
2OHWA44U9M	2910	23.5 (N/A)	18.2 (N/A)	41.7	7.9	NA
GAZKN1L17W	3001	33.1 (N/A)	9.8 (N/A)	42.9	7.9	NA
43W8F81Z37	3002	22.6 (N/A)	15.6 (N/A)	38.2	8.2	NA
ULNV27SI5N	3003	22.7 (N/A)	38.1 (N/A)	60.8	6.9	NA
X0VANA4TAX	3004	11.9 (N/A)	28.0 (N/A)	39.9	8.1	NA
8XETZ5XP44	3005	31.9 (N/A)	15.3 (N/A)	47.2	7.7	NA
ZM8JZJ3Z03	3006	34.4 (N/A)	13.9 (N/A)	48.3	7.6	NA
4VV7AVY54Q	3007	33.5 (N/A)	14.2 (N/A)	47.7	7.7	NA
ZMZH9HNVJE	3008	40.5 (N/A)	28.8 (N/A)	69.3	6.5	NA
S24AA0V42C	3009	41.5 (N/A)	19.2 (N/A)	60.7	6.9	NA
Z10I0GYE2D	3010	23.6 (N/A)	18.2 (N/A)	41.8	7.9	NA
4H79V0BWK3	3101	32.4 (N/A)	9.5 (N/A)	41.9	7.9	NA
RNVAIXME2A	3102	22.9 (N/A)	15.5 (N/A)	38.4	8.2	NA
XI1XLZ4BQT	3103	22.9 (N/A)	34.2 (N/A)	57.1	7.2	NA
HAWTM9TM8I	3104	11.7 (N/A)	27.9 (N/A)	39.6	8.1	NA
M8R4M34F5W	3105	33.1 (N/A)	14.3 (N/A)	47.4	7.7	NA
1T2GGHK6L3	3106	35.0 (N/A)	11.6 (N/A)	46.6	7.7	NA
8K4SJ3FLYE	3107	36.3 (N/A)	10.5 (N/A)	46.8	7.7	NA
08E45RWKYC	3108	42.1 (N/A)	25.5 (N/A)	67.6	6.6	NA
P17PMT7LWS	3109	41.8 (N/A)	18.7 (N/A)	60.5	6.9	NA

Summary of all dwellings

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RSXKP18OM7	3110	23.6 (N/A)	17.9 (N/A)	41.5	7.9	NA
FA8EAOEO8L	3201	34.0 (N/A)	9.9 (N/A)	43.9	7.9	NA
V5462C9OHS	3202	23.5 (N/A)	14.8 (N/A)	38.3	8.2	NA
S3HR0B5GYZ	3203	22.9 (N/A)	38.3 (N/A)	61.2	6.9	NA
A4MLAPTG6T	3204	11.8 (N/A)	27.9 (N/A)	39.7	8.1	NA
LC8KYOG4N2	3205	31.9 (N/A)	15.4 (N/A)	47.3	7.7	NA
MXF8H1EHFH	3206	34.5 (N/A)	14.1 (N/A)	48.6	7.6	NA
PVTGQ30QR0	3207	33.6 (N/A)	14.1 (N/A)	47.7	7.7	NA
92ODXERBF5	3208	40.7 (N/A)	28.8 (N/A)	69.5	6.5	NA
MYLWB7A806	3209	40.4 (N/A)	18.4 (N/A)	58.8	7.1	NA
T2YH9BTCPU	3210	22.9 (N/A)	18.0 (N/A)	40.9	8	NA
CVWVNMZID5	3301	33.1 (N/A)	9.2 (N/A)	42.3	7.9	NA
87TAR77MH9	3302	22.9 (N/A)	15.5 (N/A)	38.4	8.2	NA
OO0W7WSQTW	3303	22.7 (N/A)	36.0 (N/A)	58.7	7.1	NA
EMMDUJXE4E	3304	11.4 (N/A)	25.4 (N/A)	36.8	8.3	NA
724ES3GZ31	3305	32.6 (N/A)	12.7 (N/A)	45.3	7.8	NA
M2K3GHQFYX	3306	35.6 (N/A)	13.6 (N/A)	49.2	7.6	NA
3ZISPF4L77	3307	33.4 (N/A)	14.2 (N/A)	47.6	7.7	NA
X2ZA5YLDQD	3308	42.2 (N/A)	25.3 (N/A)	67.5	6.6	NA
6MJ410CZRI	3309	41.1 (N/A)	19.3 (N/A)	60.4	6.9	NA
4054UJCD7Q	3310	23.7 (N/A)	18.1 (N/A)	41.8	7.9	NA
VWWH1OM682	3401	33.6 (N/A)	9.7 (N/A)	43.3	7.9	NA
Y81AOAY32I	3402	22.7 (N/A)	15.2 (N/A)	37.9	8.2	NA
7GFFH3OOP2	3403	21.5 (N/A)	29.8 (N/A)	51.3	7.4	NA
0SDZKEAMZV	3404	11.9 (N/A)	27.9 (N/A)	39.8	8.1	NA
VJNAOOSKCS	3405	32.1 (N/A)	15.2 (N/A)	47.3	7.7	NA
2CZ30A1RF8	3406	34.3 (N/A)	13.9 (N/A)	48.2	7.6	NA
V0KHIS8AYF	3407	33.7 (N/A)	14.1 (N/A)	47.8	7.7	NA
XBEEYFZVG9	3408	40.8 (N/A)	28.7 (N/A)	69.5	6.5	NA
B03ASQQDRV	3409	41.6 (N/A)	19.4 (N/A)	61.0	6.9	NA
3N3Y4RI2IZ	3410	23.0 (N/A)	17.7 (N/A)	40.7	8	NA
YVEVCZEH06	3501	32.9 (N/A)	9.3 (N/A)	42.2	7.9	NA
NRUKOIJHWF	3502	23.2 (N/A)	15.2 (N/A)	38.4	8.2	NA
9C8U9AZM2I	3503	22.9 (N/A)	33.3 (N/A)	56.2	7.2	NA
PZSAYHVUUV	3504	11.9 (N/A)	27.6 (N/A)	39.5	8.1	NA
S7ONAAPY1I	3505	33.3 (N/A)	14.2 (N/A)	47.5	7.7	NA

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
PF1HS8GWBJ	3506	35.2 (N/A)	11.7 (N/A)	46.9	7.7	NA
262MOL4X0B	3507	38.7 (N/A)	12.5 (N/A)	51.2	7.4	NA
X7F02NZQIF	3509	54.1 (N/A)	24.1 (N/A)	78.2	6	NA
JK4BBJX6UP	3510	23.9 (N/A)	17.7 (N/A)	41.6	7.9	NA
LJ0SM7HAP8	3601	32.6 (N/A)	10.0 (N/A)	42.6	7.9	NA
I9HOKXXU9R	3602	22.8 (N/A)	15.4 (N/A)	38.2	8.2	NA
CWQWF7440D	3603	22.8 (N/A)	38.4 (N/A)	61.2	6.9	NA
KXB74W2FY7	3604	12.0 (N/A)	27.5 (N/A)	39.5	8.1	NA
22355C8TCT	3605	32.1 (N/A)	15.2 (N/A)	47.3	7.7	NA
8GE92PUT1T	3606	34.6 (N/A)	14.0 (N/A)	48.6	7.6	NA
FZG22K42UA-01	3607	10.3 (N/A)	42.3 (N/A)	52.6	7.4	NA
4PE46S3GC1-01	3608	22.1 (N/A)	46.3 (N/A)	68.4	6.6	NA
YICE9EHGD0	3609	25.4 (N/A)	21.4 (N/A)	46.8	7.7	NA
Y977ETSJ6V	3701	44.4 (N/A)	17.0 (N/A)	61.4	6.9	NA
W740J18VCF	3702	37.1 (N/A)	23.2 (N/A)	60.3	6.9	NA
37E4FAPF39	3703	36.3 (N/A)	42.6 (N/A)	78.9	6	NA
LPK6SA9QMH	3704	23.9 (N/A)	30.9 (N/A)	54.8	7.3	NA
GIXUS6L71E	3705	45.0 (N/A)	17.5 (N/A)	62.5	6.9	NA
298AE7G95O	3706	45.5 (N/A)	19.4 (N/A)	64.9	6.8	NA
R2B1Q33JW7	3707	11.7 (N/A)	41.8 (N/A)	53.5	7.4	NA
07WHDBYA47	3708	22.9 (N/A)	50.5 (N/A)	73.4	6.3	NA
80WY1JN6L1	3709	42.3 (N/A)	31.8 (N/A)	74.1	6.3	NA
EMCTC41NS1	401	33.0 (N/A)	17.4 (N/A)	50.4	7.5	NA
YM799G9BNI	402	41.2 (N/A)	5.1 (N/A)	46.3	7.7	NA
2N7F6T7DLG	403	31.0 (N/A)	36.2 (N/A)	67.2	6.6	NA
2FMNHYYY9E	404	10.5 (N/A)	27.4 (N/A)	37.9	8.2	NA
O0XL9VVG6Q	405	32.6 (N/A)	15.8 (N/A)	48.4	7.6	NA
V6Z1M1O6WS	406	38.0 (N/A)	14.7 (N/A)	52.7	7.4	NA
6XCL9SAU1K	407	38.7 (N/A)	14.2 (N/A)	52.9	7.4	NA
SKBI3CZWFL	408	47.1 (N/A)	28.3 (N/A)	75.4	6.2	NA
81H4U6QUAQ	409	45.1 (N/A)	16.0 (N/A)	61.1	6.9	NA
K1CRI0XLMQ	410	35.4 (N/A)	13.1 (N/A)	48.5	7.6	NA
VBOW8K5Q7J	501	31.2 (N/A)	17.0 (N/A)	48.2	7.6	NA
B11LUEQH1C	502	22.8 (N/A)	15.3 (N/A)	38.1	8.2	NA
CPTLA0IT9C	503	22.3 (N/A)	40.4 (N/A)	62.7	6.9	NA
ONKYZ7NU6J	504	7.9 (N/A)	35.4 (N/A)	43.3	7.9	NA

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
A9W0OSA06D	505	27.0 (N/A)	19.4 (N/A)	46.4	7.7	NA
KPUJOFRCWH	506	30.0 (N/A)	18.6 (N/A)	48.6	7.6	NA
CLQ44XRCVX	507	29.5 (N/A)	19.4 (N/A)	48.9	7.6	NA
15LRBD226R	508	37.4 (N/A)	34.7 (N/A)	72.1	6.4	NA
0RX6293BKU	509	36.3 (N/A)	26.1 (N/A)	62.4	6.9	NA
PK8YHZS260	510	26.5 (N/A)	22.0 (N/A)	48.5	7.6	NA
B7FJLOEDHK	601	31.8 (N/A)	18.3 (N/A)	50.1	7.5	NA
NZFERUYUC5	602	18.2 (N/A)	18.8 (N/A)	37.0	8.3	NA
4P2BHQ7WKM	603	17.0 (N/A)	48.5 (N/A)	65.5	6.7	NA
VA6GQ2MNUN	604	8.2 (N/A)	39.4 (N/A)	47.6	7.7	NA
404AH0E3HW	605	27.1 (N/A)	21.4 (N/A)	48.5	7.6	NA
B8ZA6VFDB5	606	29.5 (N/A)	19.6 (N/A)	49.1	7.6	NA
RR25ZM29YZ	607	29.6 (N/A)	19.1 (N/A)	48.7	7.6	NA
IK9YADV23R	608	34.5 (N/A)	38.8 (N/A)	73.3	6.3	NA
LDPXKXK6K4	609	35.3 (N/A)	28.6 (N/A)	63.9	6.8	NA
WILZ6M79K4	610	22.7 (N/A)	24.9 (N/A)	47.6	7.7	NA
7FFSO18B92	701	39.9 (N/A)	12.1 (N/A)	52.0	7.4	NA
ANJUTNCFUC	702	18.4 (N/A)	19.5 (N/A)	37.9	8.2	NA
B6Z3C98J2Y	703	17.0 (N/A)	44.4 (N/A)	61.4	6.9	NA
GWR9TG77IT	704	8.7 (N/A)	37.9 (N/A)	46.6	7.7	NA
YJ6R4I80GS	705	28.5 (N/A)	20.1 (N/A)	48.6	7.6	NA
K1OI2BQMPP	706	30.5 (N/A)	16.0 (N/A)	46.5	7.7	NA
2ZJLVN6KBM	707	31.6 (N/A)	14.6 (N/A)	46.2	7.7	NA
PF6AN29H93	708	38.1 (N/A)	33.7 (N/A)	71.8	6.4	NA
AHCJOOHIGR	709	38.2 (N/A)	25.4 (N/A)	63.6	6.8	NA
0VR318AV6Q	710	23.3 (N/A)	25.5 (N/A)	48.8	7.6	NA
MYZ3DE4N5A	801	36.9 (N/A)	9.0 (N/A)	45.9	7.8	NA
BINVPUWA7H	802	20.8 (N/A)	15.0 (N/A)	35.8	8.3	NA
FYETW4YDJP	803	20.8 (N/A)	40.0 (N/A)	60.8	6.9	NA
1OLSRLSIFJ	804	10.4 (N/A)	29.6 (N/A)	40.0	8.1	NA
T4NFQRI5OG	805	30.2 (N/A)	16.3 (N/A)	46.5	7.7	NA
LAYYLXUFHI	806	32.6 (N/A)	15.1 (N/A)	47.7	7.7	NA
Q1DPIW64ED	807	32.8 (N/A)	14.5 (N/A)	47.3	7.7	NA
BO4XXLL8DE	808	38.5 (N/A)	30.5 (N/A)	69.0	6.6	NA
V2ZDD10WG3	809	37.6 (N/A)	19.7 (N/A)	57.3	7.2	NA
7SF6WV7C9F	810	26.0 (N/A)	19.2 (N/A)	45.2	7.8	NA

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
OLY17UGMPS-01	901	10.1 (N/A)	43.6 (N/A)	53.7	7.4	NA
RKCML5VHJ8-01	902	0.1 (N/A)	44.3 (N/A)	44.4	7.8	NA
2JJHMCTY8J-01	903	0.0 (N/A)	46.0 (N/A)	46.0	7.7	NA
Y2J70ANXAJ-01	904	0.0 (N/A)	43.5 (N/A)	43.5	7.9	NA
9A3NGWHRL0-01	905	0.1 (N/A)	42.6 (N/A)	42.7	7.9	NA
OOYKK6TCWP-01	906	21.0 (N/A)	38.0 (N/A)	59.0	7.1	NA
NH2CEYAFVK-01	907	10.3 (N/A)	25.3 (N/A)	35.6	8.3	NA
R7G982Q5AZ-01	908	0.1 (N/A)	39.5 (N/A)	39.6	8.1	NA
4BNH5KD8W4-01	909	0.1 (N/A)	45.9 (N/A)	46.0	7.8	NA
QLAU62I1JR-01	910	1.3 (N/A)	43.1 (N/A)	44.4	7.8	NA
WC6AIQHYMS-01	911	0.1 (N/A)	49.2 (N/A)	49.3	7.6	NA
QXB7UL4UG3-01	912	0.1 (N/A)	41.4 (N/A)	41.5	7.9	NA
VBS14G6WDG-01	913	0.5 (N/A)	40.1 (N/A)	40.6	8	NA
UZWSD2FM8P-01	914	0.1 (N/A)	48.0 (N/A)	48.1	7.6	NA
DOWEN2JD9U-01	915	0.0 (N/A)	50.4 (N/A)	50.4	7.5	NA
7XUP6UTEFC-01	916	0.4 (N/A)	48.0 (N/A)	48.4	7.6	NA
8O154NZLWI-01	917	39.1 (N/A)	25.4 (N/A)	64.5	6.8	NA
GRV10GPONB-01	918	38.9 (N/A)	19.8 (N/A)	58.7	7.1	NA
63WSI6EGWT-01	919	24.7 (N/A)	19.9 (N/A)	44.6	7.8	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 effi ciency 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 specifi cations, 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 homes 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 specifi ed 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 fi les may be available from the assessor