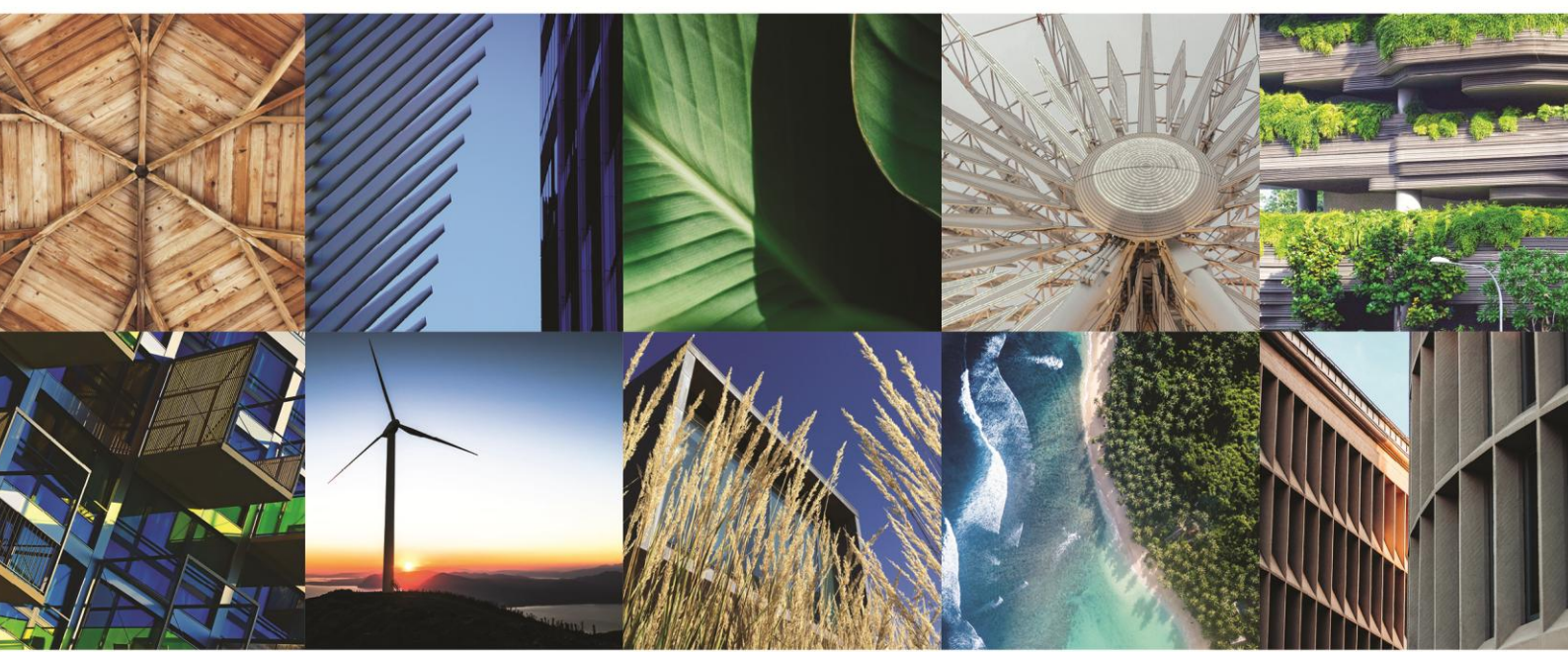




Crescent Parklands

SSD-70283710: 1 Crescent Street, Holroyd NSW 2142

Issue	File Ref	Description	Author	Date
A	2401051	DRAFT: Base building specifications issued for review	HE/CC/SS	03/09/2024
B	2401051	NatHERS and BASIX Certificate	HE/MF/AR/SC/CC/SS/JF	06/11/2024
C	2401250	Update Building 1 Units 703, 704 and 805	HE/SC	22/11/2024
D	2502067	Update NatHERS and BASIX assessment for new/additional units	HE/SC/LP/CO/SS	26/09/2025

This report has been prepared by Efficient Living Pty Ltd on behalf of our client Australian Capital Equity. Efficient Living prepares all reports in accordance with the BASIX Thermal Comfort Protocol and is backed by professional indemnity insurance. This report takes into account our Client's instructions and preferred building inclusions.



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Prepared For:

Tiberius (Holroyd) Pty Ltd (ABN 61 061 131 959) ATF the Holroyd Unit Trust (ABN 42 891 308 354).

Introduction

This NatHERS and BASIX certificate report has been prepared by Efficient Living Pty Ltd to accompany a State Significant Development Application (SSDA) for a proposed mixed-use precinct located at 1 Crescent Street, Holroyd (the site).

This report has also been prepared to address the relevant Secretary's Environmental Assessment Requirements (SEARs) issued by the Department of Planning, Housing, and Infrastructure (DPHI) for SSD-70283710 on 6 May 2024. This report satisfies the BASIX certificate documentation requirement 9. Ecologically Sustainable Development (ESD).

Efficient Living has investigated the estimated thermal comfort, water and energy usage of the proposed development to be built at 1 Crescent Street, Holroyd NSW 2142.

This report is based on the architectural drawings prepared by Woods Bagot received on 15/09/2025.

For further details refer to the individual BASIX Certificate(s) and Efficient Living's inclusions summary respectively.

Analysis

The BASIX Assessment is divided into three sections; Water, Thermal Comfort and Energy, each independently measuring the efficiency of the development.

BASIX requires a minimum target of 40% for the water section, a minimum 7-star building average for thermal comfort and a minimum required target of 60% for the energy section.

Each unit has individual heating, cooling and total loads applied resulting in a minimum rating of 6.0 stars. In addition, the building has an average heating, cooling and total load which results in the minimum compliance measure of 7.0 stars.

Materials data is required to be collected for the Department of Planning. No compliance measures are currently in place.

Inclusions summary

The inclusions as outlined below have been incorporated in each unit to allow them to reach their environmental sustainability targets.

As this development proposal is in the early stages default modelling assumptions have been included where information and inclusions have not yet been determined. A NatHERS update will be required during the Construction Certificate phase to implement the final design and selected building inclusions.

Note: Due to limitations in the BASIX tool Building 3 has been separated from Phase 1. BASIX certificates 1771808M and 1771734M are to be read in conjunction with each other.

Glazing doors and windows

Base specification

Group A – awning + bifold + casement windows + hinged glazed doors

U-value: 4.10 (equal to or lower than) SHGC: 0.47 ($\pm 5\%$)

Group B – sliding doors/windows + fixed glazing + louvred windows

U-value: 4.10 (equal to or lower than) SHGC: 0.52 ($\pm 5\%$)

Glazing upgrades applied as per the results table

Glazing upgrade 1

Group A – awning + bifold + casement windows + hinged glazed doors

U-value: 3.20 (equal to or lower than) SHGC: 0.46 ($\pm 5\%$)

Group B – sliding doors/windows + fixed glazing + louvred windows

U-value: 3.20 (equal to or lower than) SHGC: 0.49 ($\pm 5\%$)

Glazing upgrade 2

Group A – awning + bifold + casement windows + hinged glazed doors

U-value: 2.20 (equal to or lower than) SHGC: 0.32 ($\pm 5\%$)

Group B – sliding doors/windows + fixed glazing + louvred windows

U-value: 2.20 (equal to or lower than) SHGC: 0.39 ($\pm 5\%$)

Given values are AFRC total window system values (glass and frame)

Window frame colour

Default colour modelled

Roof and ceiling

200mm Concrete plasterboard ceiling with R2.0 insulation (insulation only value) to the concrete soffit where balconies are above

200mm Concrete plasterboard ceiling with R3.5 insulation (insulation only value) to the concrete soffit where the roof is over

200mm Concrete plasterboard ceiling, no insulation where neighboring units are above

Ceiling insulation upgrade: R4.5 ceiling insulation as per the results table

Ceiling insulation upgrade: R5.0 ceiling insulation to units 62101 and 62205 only

External Colour

Light ($SA < 0.475$)

Ceiling penetrations

Sealed LED downlights at a maximum of one every 2.5m²

Ceiling fans

900mm ceiling fans in all bedrooms and living area

Upgrade: 1200mm ceiling fan as per the results table

External wall

Spandrel panel on metal frame with R2.0 insulation and plasterboard lined (insulation only value)

Framed structure with lightweight cladding including terracotta, aluminium and brick click on metal frame with R2.0 insulation and plasterboard lined (insulation only value)

150mm concrete metal frame with R2.0 insulation and plasterboard lined (insulation only value)

External wall insulation upgrade: R2.5 insulation as per the results table

External wall insulation upgrade: R2.7 insulation to units 62101 and 62205 only

Any concrete columns within the external wall envelope are assumed to have insulation

Note: NatHERS default steel frames have been applied

External Colour

Default colour modelled

Inter-tenancy walls

75mm Hebel Power Panel party wall, with R1.5 insulation to one side and plasterboard lined to common halls and neighbours.

Minimum 150mm concrete metal frame with R1.5 insulation to one side and plasterboard lined to carpark and service rooms

Minimum 150mm concrete with furring channel and plasterboard lining to all walls adjacent to lift shafts and fire stairs. No insulation required

Walls within dwellings

Plasterboard on studs – no insulation required

Floors

200mm concrete slab on ground

200mm Concrete with a minimum R2.0 insulation (insulation only value) is required where the carpark is below

200mm Concrete with a minimum R2.0 insulation where part open subfloor

200mm Concrete between levels, no insulation required

External floor insulation upgrade: R3.5 floor insulation as per the results table

Floor coverings

Carpet to bedrooms, tiles to bathrooms and laundry, timber elsewhere

External shading

Shading as per stamped documentation

BASIX water inclusions

Minimum score 40/40

Fixtures within units

Showerheads: 4 star low flow (>6L but ≤7.5L/min)

Toilets: 4.0 star

Kitchen taps: 5.0 star

Bathroom vanity taps: 5.0 star

Fixtures within common areas

Toilets: 4.0 star

Taps: 5.0 star

Appliances within units

Dishwashers: 4 stars

Central rainwater storage

Phase 1 – Tank size: 10,000 L Building 1-2, no BASIX requirements for Building 3 (refer to note regarding splitting BASIX for phase 1)

Collecting from 50% of the roof area (1220 m²).

Connected to outdoor tap for irrigation of common area landscaping, 1 car wash bay and private landscaping

Phase 2 – Tank size: 5,000 L

Collecting from 50% of the roof area (985 m²).

Connected to outdoor tap for irrigation of common area landscaping, 1 car wash bay and private landscaping

Phase 3 – Tank size: no BASIX requirements

Fire sprinkler test water

Basement sprinkler systems: Test water must be contained in a closed loop system (tank required).

Apartment levels sprinkler systems: Test water must be contained in a closed loop system (tank required).

Indigenous and low water use species

70% of common area planting to be indigenous or low water use species

Common area swimming pools and spas

Pool volume: 135 kL

BASIX Energy Inclusions

Minimum score 63/63

Hot water system

Central gas-fired boiler R0.6 (~25mm) insulation to ring main and supply risers

Lift motors

All lifts to have gearless traction with VVVF motor with lift load capacity of $\geq 1,001\text{kg}$ to $\leq 1,500\text{kg}$

Appliances and other efficiency measures within units

Gas cooktop & electric oven

Dishwashers: 4.0 star

Clothes dryers: 8.0 star

Heating and cooling within units

All units to have individual, single phase, reverse cycle air conditioning to living areas, and at least 1 bedroom

A minimum efficiency of EER 3.0 – 3.5 is required for cooling;

A minimum efficiency of EER 3.5 – 4.0 is required for heating

Artificial lighting within units

Minimum of 80% of all light fittings within each room are to have dedicated LED fixtures installed

Ventilation within units

Bathroom: individual fan, ducted to roof or façade – connected to light, timer off

Laundry: individual fan, ducted to roof or façade – manual on / off switch

Kitchen range hood: Individual fan, ducted to roof or façade – manual on / off switch

Ventilation to common areas

Car park area – Supply and exhaust air with a carbon monoxide monitor & VSD fan

Waste rooms – Exhaust air only, running continuously

Plant / service rooms – Supply and exhaust air, thermostatically controlled

Plant / service rooms (naturally ventilated) – Naturally ventilated

Indoor swimming pool / spa / gym – Air conditioning system, time clock or BMS controlled

Communal room – Supply air only, time clock or BMS controlled

Communal outdoor area – Naturally ventilated

Communal bathroom – Exhaust air only, time clock or BMS controlled

Mail / Storage – Supply air only, interlocked to light

Ground floor lobbies – Supply air only, time clock or BMS controlled

Lobbies and hallways – Supply air only, time clock or BMS controlled

Artificial lighting to common areas

Car park area – Light emitting diodes (LEDs) with zoned switching and motion sensors

Lifts – Light emitting diodes (LEDs) connected to lift call button

Waste rooms – Light emitting diodes (LEDs) with motion sensors

Plant / service rooms – Light emitting diodes (LEDs) with manual on / manual off switch

Plant / service rooms (naturally ventilated) – Light emitting diodes (LEDs) with motion sensors

Indoor swimming pool / spa / gym – Light emitting diodes (LEDs) with time clocks

Communal room – Light emitting diodes (LEDs) with daylight sensor and motion sensors

Communal outdoor area – Light emitting diodes (LEDs) with daylight sensors

Communal sauna / steam room – Light emitting diodes (LEDs) with time clocks

Communal bathroom – Light emitting diodes (LEDs) with manual on / manual off switch

Mail / Storage – Light emitting diodes (LEDs) with motion sensors

Ground floor lobbies – Light emitting diodes (LEDs) with daylight sensors

Lobbies and hallways – Light emitting diodes (LEDs) with zoned switching and motion sensors

Alternative Energy

Phase 1: Photovoltaic system: rated electrical output (min.) 150 peak kW (Building 1 & 2), no BASIX requirements for Building 3 (refer to note regarding splitting BASIX for phase 1)

Phase 2: Photovoltaic system: rated electrical output (min.) 15 peak kW

Phase 3: Photovoltaic system: rated electrical output (min.) 30 peak kW

Common area swimming pools and spas

Pool heating source: Gas

Pool pump: controlled by timer

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
Podium							
P201	3	100.7	0	20.2	11.8	6.7	
P202	3	101.3	0	11.3	12.6	7.6	
P203	3	101.3	0	11	11.1	7.9	
P204	1	65.7	0	14.9	15	7	Glazing upgrade 1 and 1200mm ceiling fans
P205	2	79.3	0	10.7	10.8	7.9	
P206	2	79.3	0	11.9	12	7.6	
P207	2	76.5	0	3.3	15	8.3	Glazing upgrade 2, R2.5 external walls and 1200mm ceiling fans
P208	2	90.6	0	9.3	11.7	7.9	
P301	3	100.7	0	23.4	9.6	6.6	
P302	3	101.3	0	11.1	11.3	7.8	
P303	3	101.3	0	12.6	8.3	8	
P304	1	65.7	0	14.1	13.1	7.3	Glazing upgrade 1
P305	2	79.3	0	11.6	9.6	7.9	
P306	2	79.3	0	12.8	10.1	7.8	
P307	2	76.5	0	3.1	15	8.3	Glazing upgrade 2, R2.5 external walls and 1200mm ceiling fans
P308	2	90.6	0	9.7	10.7	8.1	
P401	3	100.7	0	22.5	9.2	6.8	
P402	3	101.3	0	10.9	10.6	7.9	
P403	3	79.3	0	13	9.2	7.8	
P404	1	65.7	0	15.9	12	7.2	Glazing upgrade 1
P405	2	79.3	0	12.8	9.5	7.8	
P406	2	76.5	0	13.8	10.2	7.6	
P407	2	101.3	0	4.5	19.5	7.6	Glazing upgrade 2, R2.5 external walls and 1200mm ceiling fans
P408	2	90.6	0	10.3	10.6	8	
P501	3	76.5	0	24.6	9.2	6.5	
P502	3	101.3	0	12.1	11.2	7.7	
P503	3	100.7	0	13.6	8.2	7.9	
P504	1	79.3	0	14.9	12.9	7.2	Glazing upgrade 1
P505	2	90.6	0	13.2	9.3	7.8	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
P506	2	79.3	0	14.3	10	7.6	
P507	2	101.3	0	3.4	10.8	8.7	Glazing upgrade 2, R2.5 external walls and 1200mm ceiling fans
P508	2	65.7	0	10.6	10.4	8	
P601	3	100.7	0	24.4	9.4	6.5	
P602	3	101.3	0	11.5	10.7	7.8	
P603	3	79.3	0	13.6	8.9	7.8	
P604	1	65.7	0	16.5	11.4	7.2	Glazing upgrade 1
P605	2	79.3	0	13.5	9.2	7.8	
P606	2	76.5	0	14.6	10	7.6	
P607	2	101.3	0	3.5	11.2	8.7	Glazing upgrade 2, R2.5 external walls and 1200mm ceiling fans
P608	2	90.6	0	10.8	10.3	7.9	
P701	3	76.5	0	27.3	6.7	6.4	Glazing upgrade 2, R2.5 external walls, R4.5 ceiling insulation and 1200mm ceiling fans
P702	3	101.3	0	24	13.8	6	
P703	3	99.8	0	25.1	10.4	6.3	
P704	1	79.3	0	15.2	12.9	7.2	Glazing upgrade 1
P705	2	90.6	0	13.9	9.1	7.8	
P706	2	79.3	0	15.1	9.8	7.5	
P707	2	101.3	0	3.7	10.5	8.7	Glazing upgrade 2, R2.5 external walls and 1200mm ceiling fans
P708	2	65.7	0	11.2	10.3	7.9	
Building 1							
1801	2	77.9	0	27.3	6.4	6.5	
1802	3	105.1	0	8.1	9.4	8.4	
1803	3	105.1	0	8.8	8.4	8.4	
1804	2	77.9	0	31.1	5.3	6.2	
1805	2	77.9	0	30.5	7.4	6	
1806	2	73	0	24.9	7.5	6.7	Glazing upgrade 1
1807	2	81.8	0	29.9	2.7	6.7	
1808	2	82.9	0	32.3	2.5	6.4	
1809	2	77.9	0	29.6	3.8	6.6	Glazing upgrade 1

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
1901	2	77.9	0	17.9	7.2	7.4	
1902	3	105.1	0	5.5	10.3	8.5	
1903	3	105.1	0	5.5	9.4	8.6	
1904	2	77.9	0	19.5	6.3	7.4	
1905	2	77.9	0	19.9	8.7	7.1	
1906	2	72.6	0	16.1	7.5	7.7	
1907	2	81.8	0	13.5	3.1	8.4	
1908	2	82.8	0	18.9	2.9	7.9	
1909	1	53.2	0	3.7	8.4	8.9	
1910	2	77.9	0	23.3	5.4	7.1	
11001	2	77.9	0	18.1	7.3	7.4	
11002	3	105.1	0	5.6	10.4	8.5	
11003	3	105.1	0	5.6	9.7	8.6	
11004	2	77.9	0	19.7	6.4	7.4	
11005	2	77.9	0	20	8.8	7.1	
11006	2	72.6	0	16.3	7.6	7.6	
11007	2	81.8	0	13.3	3	8.4	
11008	2	82.8	0	18.1	2.9	7.9	
11009	1	53.2	0	4.6	8.7	8.8	
11010	2	77.9	0	23.4	5.4	7.1	
11101	2	77.9	0	18.4	7.3	7.4	
11102	3	105.1	0	5.7	10.5	8.4	
11103	3	105.1	0	5.6	9.5	8.6	
11104	2	77.9	0	20	6.4	7.4	
11105	2	77.9	0	20.3	8.7	7.1	
11106	2	72.6	0	16.5	7.4	7.6	
11107	2	81.8	0	13.6	3.2	8.4	
11108	2	82.8	0	18.4	2.9	7.9	
11109	1	53.2	0	4.7	8.7	8.8	
11110	2	77.9	0	23.8	5.4	7.1	
11201	2	77.9	0	18.6	7.3	7.4	
11202	3	105.1	0	5.7	10.7	8.4	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
11203	3	105.1	0	5.7	9.5	8.6	
11204	2	77.9	0	20.2	6.3	7.4	
11205	2	77.9	0	20.5	8.7	7.1	
11206	2	72.6	0	16.7	7.3	7.6	
11207	2	81.8	0	13.5	3.1	8.4	
11208	2	82.8	0	18.5	2.9	7.9	
11209	1	53.2	0	4.8	8.8	8.8	
11210	2	77.9	0	23.9	5.4	7.1	
11301	2	77.9	0	18.7	7.3	7.4	
11302	3	105.1	0	5.8	10.7	8.4	
11303	3	105.1	0	5.8	9.6	8.6	
11304	2	77.9	0	20.3	6.3	7.3	
11305	2	77.9	0	20.7	8.7	7.1	
11306	2	72.6	0	16.8	7.4	7.6	
11307	2	81.8	0	13.8	3	8.4	
11308	2	82.8	0	18.7	3	7.9	
11309	1	53.2	0	4.8	8.8	8.8	
11310	2	77.9	0	24.1	5.4	7.1	
11401	2	77.9	0	18.9	7.2	7.4	
11402	3	105.1	0	5.9	10.8	8.4	
11403	3	105.1	0	5.8	9.6	8.6	
11404	2	77.9	0	20.5	6.5	7.3	
11405	2	77.9	0	20.8	8.6	7.1	
11406	2	72.6	0	17	7.3	7.6	
11407	2	81.8	0	13.9	3	8.4	
11408	2	82.8	0	18.8	3	7.9	
11409	1	53.2	0	4.9	8.5	8.8	
11410	2	77.9	0	24.3	5.4	7	
11501	2	77.9	0	19.2	7.1	7.4	
11502	3	105.1	0	5.9	10.6	8.4	
11503	3	105.1	0	6	9.6	8.6	
11504	2	77.9	0	20.9	6.4	7.3	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
11505	2	77.9	0	21.2	8.8	7	
11506	2	72.6	0	17.2	7.1	7.6	
11507	2	81.8	0	14	3	8.4	
11508	2	82.8	0	19.1	3	7.9	
11509	1	53.2	0	5	8.6	8.8	
11510	2	77.9	0	24.6	5.4	7	
11601	2	77.9	0	19.4	7	7.4	
11602	3	105.1	0	6.1	10.7	8.4	
11603	3	105.1	0	6.1	9.7	8.5	
11604	2	77.9	0	21.1	6.5	7.2	
11605	2	77.9	0	21.4	8.7	6.9	
11606	2	72.6	0	17.4	7.3	7.5	
11607	2	81.8	0	14.3	3.1	8.4	
11608	2	82.8	0	19.4	3.1	7.8	
11609	1	53.2	0	5.2	8.7	8.8	
11610	2	77.9	0	24.8	5.7	6.9	
11701	2	77.9	0	19.5	7.1	7.3	
11702	3	105.1	0	6.3	10.6	8.4	
11703	3	105.1	0	6.6	9.5	8.4	
11704	2	77.9	0	21.3	6.5	7.2	
11705	2	77.9	0	21.6	8.5	6.9	
11706	2	72.6	0	17.6	7.3	7.5	
11707	2	81.8	0	14.9	3.2	8.3	
11708	2	82.8	0	19.3	3.1	7.8	
11709	1	53.2	0	5.3	8.6	8.8	
11710	2	77.9	0	24.9	5.8	6.9	
11801	2	77.9	0	19.6	7.1	7.3	
11802	3	105.1	0	6.2	10.6	8.4	
11803	3	105.1	0	6.5	9.3	8.5	
11804	2	77.9	0	21.4	6.4	7.2	
11805	2	77.9	0	21.7	8.5	6.9	
11806	2	72.6	0	17.6	7.4	7.4	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
11807	2	81.8	0	14.6	3.2	8.3	
11808	2	82.8	0	20.9	3.2	7.6	
11809	1	53.2	0	5.3	7.6	8.9	
11810	2	77.9	0	25	5.5	6.9	
11901	2	77.9	0	19.7	7.1	7.3	
11902	3	105.1	0	6.2	10.5	8.4	
11903	3	105.1	0	6.5	9.3	8.5	
11904	2	77.9	0	21.5	6.4	7.2	
11905	2	77.9	0	21.8	8.4	6.9	
11906	2	72.6	0	17.8	7.2	7.5	
11907	2	81.8	0	14.7	3.1	8.3	
11908	2	82.8	0	19.4	3.2	7.8	
11909	1	53.2	0	5.4	8.4	8.8	
11910	2	77.9	0	25.1	5.6	6.9	
12001	2	77.9	0	19.9	7.1	7.3	
12002	3	105.1	0	6.3	10.7	8.4	
12003	3	105.1	0	6.6	9.3	8.5	
12004	2	77.9	0	21.7	6.4	7.2	
12005	2	77.9	0	22	8.5	6.9	
12006	2	72.6	0	17.9	7.2	7.4	
12007	2	81.8	0	14.4	3.2	8.3	
12008	2	82.8	0	19.6	3.2	7.8	
12009	1	53.2	0	5.4	8.4	8.8	
12010	2	77.9	0	25.3	5.7	6.9	
12101	2	77.9	0	19.8	7.1	7.3	
12102	3	105.1	0	6.2	10.8	8.4	
12103	3	105.1	0	6.6	9.3	8.5	
12104	2	77.9	0	21.7	6.4	7.2	
12105	2	77.9	0	22	8.6	6.9	
12106	2	72.6	0	17.9	7.1	7.5	
12107	2	81.8	0	14.4	3.2	8.4	
12108	2	82.8	0	19.5	3.2	7.8	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
12109	1	53.2	0	5.4	8.4	8.8	
12110	2	77.9	0	25.3	5.7	6.9	
12201	2	77.9	0	20	7	7.3	
12202	3	105.1	0	6.4	10.7	8.4	
12203	3	105.1	0	6.7	9.3	8.4	
12204	2	77.9	0	21.9	6.4	7.2	
12205	2	77.9	0	22.1	8.7	6.9	
12206	2	72.6	0	18	7.1	7.4	
12207	2	81.8	0	14.6	3.1	8.3	
12208	2	82.8	0	19.6	3.2	7.8	
12209	1	53.2	0	5.5	8.4	8.8	
12210	2	77.9	0	25.4	5.8	6.9	
12301	2	77.9	0	20.1	7.1	7.3	
12302	3	105.1	0	6.4	10.8	8.4	
12303	3	105.1	0	6.8	9.3	8.4	
12304	2	77.9	0	22	6.4	7.2	
12305	2	77.9	0	22.3	8.5	6.9	
12306	2	72.6	0	18.1	7	7.4	
12307	2	81.8	0	14.7	3.1	8.3	
12308	2	82.8	0	19.6	3.2	7.8	
12309	1	53.2	0	5.6	8.2	8.8	
12310	2	77.9	0	25.5	5.9	6.8	
12401	2	77.9	0	20.2	7.1	7.3	
12402	3	105.1	0	6.4	10.6	8.4	
12403	3	105.1	0	6.8	9.5	8.4	
12404	2	77.9	0	22.2	6.5	7.1	
12405	2	77.9	0	22.4	8.4	6.9	
12406	2	72.6	0	18.3	7	7.4	
12407	2	81.8	0	14.7	3.1	8.3	
12408	2	82.8	0	19.5	3.3	7.8	
12409	1	53.2	0	5.7	8	8.8	
12410	2	77.9	0	25.6	5.9	6.8	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
12501	2	77.9	0	20.3	7.1	7.3	
12502	3	105.1	0	6.5	10.7	8.4	
12503	3	105.1	0	6.9	9.3	8.4	
12504	2	77.9	0	22.4	6.5	7.1	
12505	2	77.9	0	22.6	8.6	6.9	
12506	2	72.6	0	18.4	7.1	7.4	
12507	2	81.8	0	15	3.1	8.3	
12508	2	82.8	0	19.5	3.5	7.8	
12509	1	53.2	0	5.7	8	8.8	
12510	2	77.9	0	25.6	6.1	6.8	
12601	2	77.9	0	20.3	7.1	7.3	
12602	3	105.1	0	6.4	10.5	8.4	
12603	3	105.1	0	6.9	9.2	8.4	
12604	2	77.9	0	22.5	6.7	7.1	
12605	2	77.9	0	22.7	8.5	6.8	
12606	2	72.6	0	18.5	7.1	7.4	
12607	2	81.8	0	15.2	3.1	8.3	
12608	2	82.8	0	19.4	3.4	7.8	
12609	1	53.2	0	5.8	8.2	8.8	
12610	2	77.9	0	25.7	6.2	6.8	
12701	2	77.9	0	20.3	7.2	7.3	
12702	3	105.1	0	6.7	10.7	8.4	
12703	3	105.1	0	7.2	9.6	8.4	
12704	2	77.9	0	22.6	6.5	7.1	
12705	2	77.9	0	22.8	8.5	6.8	
12706	2	72.6	0	18.6	7	7.4	
12707	2	81.8	0	15.4	3.2	8.2	
12708	2	82.8	0	19.3	3.5	7.8	
12709	1	53.2	0	6	8.7	8.7	
12710	2	77.9	0	25.8	6.3	6.7	
12801	2	77.9	0	20.3	7.2	7.2	
12802	3	105.1	0	6.5	10.8	8.4	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
12803	3	105.1	0	7.1	9.3	8.4	
12804	2	77.9	0	22.7	6.5	7.1	
12805	2	77.9	0	22.9	8.2	6.9	
12806	2	72.6	0	18.7	6.9	7.4	
12807	2	81.8	0	15.7	3.1	8.2	
12808	2	82.8	0	19.3	3.4	7.8	
12809	1	53.2	0	5.9	8.4	8.7	
12810	2	77.9	0	25.7	6.7	6.7	
12901	2	77.9	0	20.3	7.4	7.2	
12902	3	105.1	0	6.5	10.8	8.4	
12903	3	105.1	0	7.1	9.5	8.4	
12904	2	77.9	0	22.9	6.5	7.1	
12905	2	77.9	0	23.1	8.3	6.8	
12906	2	72.6	0	18.8	6.9	7.4	
12907	2	81.8	0	15.7	3.1	8.2	
12908	2	82.8	0	18.7	3.4	7.9	
12909	1	53.2	0	6	8.6	8.7	
12910	2	77.9	0	25.7	6.9	6.7	
13001	2	77.9	0	20.2	7.5	7.2	
13002	3	105.1	0	6.6	10.7	8.4	
13003	3	105.1	0	7.1	9.4	8.4	
13004	2	77.9	0	22.9	6.5	7.1	
13005	2	77.9	0	23.1	8.3	6.8	
13006	2	72.6	0	18.8	6.7	7.4	
13007	2	81.8	0	15.7	3.1	8.2	
13008	2	82.8	0	18.5	3.7	7.8	
13009	1	53.2	0	6	8.5	8.7	
13010	2	77.9	0	25.6	7	6.7	
13101	2	77.9	0	20.2	8.2	7.2	
13102	3	105.1	0	6.6	10.9	8.4	
13103	3	105.1	0	7.1	9.4	8.4	
13104	2	77.9	0	23	6.5	7	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
13105	2	77.9	0	23.3	8.4	6.8	
13106	2	72.6	0	19	6.8	7.4	
13107	2	81.8	0	15.8	3.1	8.2	
13108	2	82.8	0	18.3	3.9	7.8	
13109	1	53.2	0	6.1	8.6	8.7	
13110	2	77.9	0	25.5	8.3	6.5	
13201	2	77.9	0	20.2	8.5	7.1	
13202	3	105.1	0	6.5	10.8	8.4	
13203	3	105.1	0	7.2	9.6	8.4	
13204	2	77.9	0	23.2	6.5	7	
13205	2	77.9	0	23.4	8.2	6.8	
13206	2	72.6	0	19.1	6.9	7.4	
13207	2	81.8	0	16	3	8.2	
13208	2	82.8	0	17.9	4	7.9	
13209	1	53.2	0	6.2	8.5	8.7	
13210	2	77.9	0	25.4	9.1	6.4	
13301	2	77.9	0	20.1	8.6	7.1	
13302	3	105.1	0	6.5	11.3	8.3	
13303	3	105.1	0	7.2	9.5	8.4	
13304	2	77.9	0	23.2	6.5	7	
13305	2	77.9	0	23.4	8.1	6.8	
13306	2	72.6	0	19	6.8	7.4	
13307	2	81.8	0	15.7	3.1	8.2	
13308	2	82.8	0	16.8	4.1	8	
13309	1	53.2	0	6.2	8.6	8.7	
13310	2	77.9	0	25.2	10	6.3	
13401	2	77.9	0	20.1	9.2	7.1	
13402	3	105.1	0	6.5	11.2	8.3	
13403	3	105.1	0	7.2	9.4	8.4	
13404	2	77.9	0	23.4	6.5	7	
13405	2	77.9	0	23.8	8.1	6.8	
13406	2	72.6	0	28.4	9	6.1	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
13407	2	81.8	0	26.2	4.6	6.9	
13408	2	82.8	0	26.9	5.8	6.7	
13409	1	53.2	0	13.4	9.7	7.7	
13410	2	77.9	0	25.8	10.9	6.2	
13501	2	77.9	0	19.9	9	7.1	
13502	3	105.1	0	6.4	11.3	8.3	
13503	3	105.1	0	7.3	9.8	8.4	
13504	2	77.9	0	23.4	6.5	7	
13505	2	77.9	0	28.1	8.5	6.2	
13506	2	77.9	0	26.3	10.4	6.2	
13601	2	77.9	0	24.5	7.8	6.7	Glazing upgrade 1
13602	3	105.1	0	14.9	12.4	7.3	
13603	3	105.1	0	15.2	11.3	7.3	
13604	2	77.9	0	26.4	7.2	6.5	Glazing upgrade 1
13605	2	77.9	0	29	8.9	6	Glazing upgrade 1, R4.5 ceiling insulation, R2.5 external wall insulation and 1200mm ceiling fans
13606	2	77.9	0	28.4	9.5	6	Glazing upgrade 1, R4.5 ceiling insulation, R2.5 external wall insulation and 1200mm ceiling fans
Building 2							
2801	2	84.5	0	30.4	2.7	6.6	
2802	2	80.6	0	31.9	3.5	6.3	Glazing upgrade 1
2803	3	96.4	0	23.2	10.4	6.6	
2804	2	79.3	0	15.6	8.7	7.6	
2805	2	79.3	0	18.3	8.6	7.3	
2806	2	76.5	0	10	16.7	7.3	
2807	3	107.4	0	4.5	5.2	9.4	
2808	1	63	0	20.3	4.8	7.4	
2901	2	84.5	0	31	3.7	6.4	
2902	2	80.6	0	29.8	4.9	6.4	Glazing upgrade 1
2903	3	96.4	0	22.9	9.7	6.7	
2904	2	79.3	0	15.9	8.7	7.6	
2905	2	79.3	0	18.6	8.8	7.3	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
2906	2	76.5	0	9.1	17.5	7.3	
2907	3	107.4	0	3.9	5.6	9.4	
2908	1	63	0	23.9	4.5	7.2	
21001	2	84.5	0	31.2	3.6	6.4	
21002	2	80.6	0	29.9	5	6.4	Glazing upgrade 1
21003	3	96.4	0	23.1	9.7	6.6	
21004	2	79.3	0	15.9	8.6	7.6	
21005	2	79.3	0	18.8	8.8	7.2	
21006	2	76.5	0	9.3	17.9	7.3	
21007	3	107.4	0	4.3	5.4	9.4	
21008	1	63	0	24.1	4.5	7.1	
21101	2	84.5	0	31.5	3.6	6.4	
21102	2	80.6	0	30.1	4.9	6.4	Glazing upgrade 1
21103	3	96.4	0	23.4	9.6	6.6	
21104	2	79.3	0	16.3	8.7	7.5	
21105	2	79.3	0	19.1	8.8	7.2	
21106	2	76.5	0	9.5	17.5	7.3	
21107	3	107.4	0	4.1	5.6	9.4	
21108	1	63	0	24.4	4.6	7.1	
21201	2	84.5	0	33	3.6	6.2	
21202	2	80.6	0	31.6	4.8	6.2	Glazing upgrade 1
21203	3	96.4	0	25	9.1	6.4	
21204	2	79.3	0	18.2	8.4	7.3	
21205	2	79.3	0	21.3	9.4	6.9	
21206	2	76.5	0	10.3	16.2	7.4	
21207	3	107.4	0	4.2	5.5	9.4	
21208	1	63	0	26.3	4.5	6.9	
21301	2	84.5	0	31.8	3.6	6.3	
21302	2	80.6	0	30.4	4.9	6.3	Glazing upgrade 1
21303	3	96.4	0	23.6	9.6	6.6	
21304	2	79.3	0	16.5	8.4	7.5	
21305	2	79.3	0	19.5	8.7	7.2	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
21306	2	76.5	0	9.7	17.6	7.3	
21307	3	107.4	0	4.2	5.6	9.4	
21308	1	63	0	24.8	4.7	7.1	
21401	2	84.5	0	31.9	3.6	6.3	
21402	2	80.6	0	30.4	4.9	6.3	Glazing upgrade 1
21403	3	96.4	0	23.7	9.6	6.6	
21404	2	79.3	0	16.7	8.3	7.5	
21405	2	79.3	0	19.6	9.2	7.1	
21406	2	76.5	0	9.8	17.7	7.3	
21407	3	107.4	0	4.3	5.5	9.4	
21408	1	63	0	24.9	4.7	7	
21501	2	84.5	0	32.2	3.5	6.3	
21502	2	80.6	0	30.7	4.9	6.3	Glazing upgrade 1
21503	3	96.4	0	24	9.5	6.6	
21504	2	79.3	0	17	8.5	7.4	
21505	2	79.3	0	20	9.1	7.1	
21506	2	76.5	0	10	17.1	7.3	
21507	3	107.4	0	4.4	5.4	9.4	
21508	1	63	0	25.3	4.7	6.9	
21601	2	84.5	0	32.3	3.5	6.3	
21602	2	80.6	0	30.8	4.8	6.3	Glazing upgrade 1
21603	3	96.4	0	24.1	9.7	6.5	
21604	2	79.3	0	17.1	8.6	7.4	
21605	2	79.3	0	20.1	9.3	7.1	
21606	2	76.5	0	10.1	17.4	7.2	
21607	3	107.4	0	4.5	5.4	9.3	
21608	1	63	0	25.5	4.7	6.9	
21701	2	84.5	0	33.6	3.5	6.1	
21702	2	80.6	0	31.4	4.7	6.2	Glazing upgrade 1
21703	3	96.4	0	25.5	9.3	6.4	
21704	2	79.3	0	19.2	8.2	7.3	
21705	2	79.3	0	22.3	8.4	6.9	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
21706	2	76.5	0	10.8	15.8	7.3	
21707	3	107.4	0	4.6	5.4	9.3	
21708	1	63	0	27.4	4.5	6.8	
21801	2	84.5	0	32.6	3.5	6.2	
21802	2	80.6	0	30.9	4.8	6.3	Glazing upgrade 1
21803	3	96.4	0	24.3	9.5	6.5	
21804	2	79.3	0	17.5	8.4	7.4	
21805	2	79.3	0	20.4	9.2	7	
21806	2	76.5	0	10.4	17.2	7.2	
21807	3	107.4	0	4.6	5.4	9.3	
21808	1	63	0	25.8	4.7	6.9	
21901	2	84.5	0	32.8	3.6	6.2	
21902	2	80.6	0	31.1	5.2	6.2	Glazing upgrade 1
21903	3	96.4	0	24.4	9.6	6.4	
21904	2	79.3	0	17.7	8.5	7.4	
21905	2	79.3	0	20.6	9.3	7	
21906	2	76.5	0	10.5	16.6	7.3	
21907	3	107.4	0	4.8	5.5	9.3	
21908	1	63	0	26	4.5	6.9	
22001	2	84.5	0	31	3.8	6.4	
22002	2	80.6	0	30.4	4.8	6.3	Glazing upgrade 1
22003	3	96.4	0	24.9	9.5	6.4	
22004	2	79.3	0	18.1	8.7	7.3	
22005	2	79.3	0	21.1	8.7	7	
22006	2	76.5	0	10.7	15.4	7.4	
22007	3	107.4	0	4.9	5.2	9.3	
22008	1	63	0	22.1	5.2	7.3	
22101	2	84.5	0	29.3	3.9	6.6	
22102	2	80.6	0	29.9	4.9	6.4	Glazing upgrade 1
22103	3	96.4	0	24.8	9.5	6.4	
22104	2	79.3	0	18.1	8.7	7.3	
22105	2	79.3	0	21.1	8.9	7	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
22106	2	76.5	0	10.8	15.3	7.4	
22107	3	107.4	0	4.9	5.2	9.3	
22108	1	63	0	22.1	5.3	7.3	
22201	2	84.5	0	30.7	4.1	6.4	
22202	2	80.6	0	30.9	4.8	6.3	Glazing upgrade 1
22203	3	96.4	0	26.3	8.7	6.4	
22204	2	79.3	0	20.1	8.1	7.2	
22205	2	79.3	0	23.4	8	6.8	
22206	2	76.5	0	11.4	14	7.4	
22207	3	107.4	0	5	5.2	9.3	
22208	1	63	0	23.9	5.4	7.1	
22301	2	84.5	0	29.5	4.8	6.4	
22302	2	80.6	0	30.2	4.9	6.4	Glazing upgrade 1
22303	3	96.4	0	25	9.5	6.4	
22304	2	79.3	0	18.5	8.7	7.3	
22305	2	79.3	0	21.5	8.7	6.9	
22306	2	76.5	0	10.9	15.2	7.4	
22307	3	107.4	0	5.3	5.4	9.2	
22308	1	63	0	22.4	5	7.3	
22401	2	84.5	0	29.5	5.1	6.4	
22402	2	80.6	0	30.1	4.9	6.4	Glazing upgrade 1
22403	3	96.4	0	25	9.6	6.4	
22404	2	79.3	0	18.6	8.5	7.3	
22405	2	79.3	0	21.6	8.7	6.9	
22406	2	76.5	0	11.2	15.7	7.3	
22407	3	107.4	0	5.2	5.3	9.3	
22408	1	63	0	22.5	4.9	7.3	
22501	2	84.5	0	29.4	5.6	6.4	
22502	2	80.6	0	30	5	6.4	Glazing upgrade 1
22503	3	96.4	0	25.1	9.5	6.4	
22504	2	79.3	0	18.7	8.8	7.3	
22505	2	79.3	0	21.8	8.7	6.9	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
22506	2	76.5	0	11.3	15.6	7.3	
22507	3	107.4	0	5.3	5.3	9.2	
22508	1	63	0	22.6	5.1	7.2	
22601	2	84.5	0	29.2	6	6.3	
22602	2	80.6	0	29.7	5.2	6.4	Glazing upgrade 1
22603	3	96.4	0	25.1	9.7	6.4	
22604	2	79.3	0	18.8	8.5	7.3	
22605	2	79.3	0	21.9	8.8	6.9	
22606	2	76.5	0	11.4	15.5	7.3	
22607	3	107.4	0	5.5	5.4	9.2	
22608	1	63	0	22.5	5.2	7.2	
22701	2	84.5	0	31.5	6.5	6	R2.5 external wall insulation
22702	2	80.6	0	30.7	4.9	6.3	Glazing upgrade 1
22703	3	96.4	0	26.9	8.8	6.3	
22704	2	79.3	0	23.1	7.8	6.9	
22705	2	79.3	0	24.7	8.1	6.6	
22706	2	76.5	0	12.1	14	7.4	
22707	3	107.4	0	5.5	5.3	9.2	
22708	1	63	0	24.5	5.5	7	
22801	2	84.5	0	29.9	6.7	6.2	
22802	2	80.6	0	29.1	5.3	6.4	Glazing upgrade 1
22803	3	96.4	0	25.3	10.8	6.2	
22804	2	79.3	0	19.4	8.4	7.2	
22805	2	79.3	0	22.5	8.7	6.9	
22806	2	76.5	0	11.7	14.9	7.3	
22807	3	107.4	0	5.4	5.5	9.2	
22808	1	63	0	22.9	5.7	7.1	
22901	2	84.5	0	29.8	7.8	6.1	
22902	2	80.6	0	29	5.5	6.4	Glazing upgrade 1
22903	3	96.4	0	25.3	10.8	6.2	
22904	2	79.3	0	19.6	8.4	7.2	
22905	2	79.3	0	22.6	8.7	6.8	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
22906	2	76.5	0	11.8	14.5	7.4	
22907	3	107.4	0	5.5	5.9	9.1	
22908	1	63	0	22.9	5.7	7.1	
23001	2	84.5	0	29.1	7.7	6.2	
23002	2	80.6	0	28.4	5.6	6.5	Glazing upgrade 1
23003	3	96.4	0	25.2	10.8	6.2	
23004	2	79.3	0	19.7	8.4	7.2	
23005	2	79.3	0	22.8	8.7	6.8	
23006	2	76.5	0	11.6	14.7	7.4	
23007	3	107.4	0	5.6	6.1	9.1	
23008	1	63	0	22.4	6.4	7.1	
23101	2	84.5	0	28	7.8	6.3	
23102	2	80.6	0	27.4	5.7	6.6	Glazing upgrade 1
23103	3	96.4	0	25.2	10.7	6.3	
23104	2	79.3	0	19.7	8.4	7.2	
23105	2	79.3	0	22.8	8.7	6.8	
23106	2	76.5	0	12.1	15.5	7.2	
23107	3	107.4	0	5.6	6.4	8.9	
23108	1	63	0	21.9	7.2	7.1	
23201	2	84.5	0	25.3	7.8	6.6	
23202	2	80.6	0	25.3	5.8	6.9	Glazing upgrade 1
23203	3	96.4	0	25.3	10.7	6.3	
23204	2	79.3	0	19.9	8.4	7.2	
23205	2	79.3	0	23	8.7	6.8	
23206	2	76.5	0	11.8	15.3	7.3	
23207	3	107.4	0	5.7	6.7	8.9	
23208	1	63	0	21.6	7.4	7.1	
23301	2	84.5	0	22.9	8.2	6.9	
23302	2	80.6	0	23.7	6.2	7	Glazing upgrade 1
23303	3	96.4	0	25.6	11.8	6.1	Glazing upgrade 1, R4.5 ceiling insulation, R2.5 external walls
23304	2	79.3	0	22.6	9	6.8	Glazing upgrade 1

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
23305	2	79.3	0	25.2	9	6.4	Glazing upgrade 1
23306	2	76.5	0	16.7	15	6.8	Glazing upgrade 1
23307	3	107.4	0	5.8	7.5	8.8	
23308	1	63	0	21	7.3	7.2	
23401	2	84.5	0	21.9	8.3	6.9	
23402	2	80.6	0	27.4	6.5	6.5	Glazing upgrade 1
23403	3	107.4	0	7.8	8.1	8.5	
23404	1	63	0	20.3	6.8	7.3	
23501	2	84.5	0	24.2	9.2	6.6	Glazing upgrade 1
23502	2	80.6	0	30.4	7.4	6	Glazing upgrade 1 and R4.5 ceiling insulation
23503	3	107.4	0	17.4	10.9	7.2	
23504	1	63	0	27	9.3	6.2	
Building 3							
3801	2	75.4	0	7.7	2.8	9.2	
3802	2	73.3	0	8.7	6	8.7	
3803	2	73.3	0	15.8	6.7	7.8	
3804	2	75.4	0	22.9	3.4	7.4	
3805	1	56.4	0	27.5	4.5	6.8	
3806	3	97.1	0	25.9	6.9	6.6	
3807	3	99.9	0	10.3	3.8	8.7	
3808	1	56.4	0	12.6	3.9	8.4	
3901	2	73.3	0	5	4.2	9.4	
3902	2	73.3	0	8	6.9	8.6	
3903	2	99.9	0	13.6	8.9	7.8	
3904	2	56.4	0	22	4.7	7.3	
3905	1	97.1	0	27.6	5.9	6.6	
3906	3	75.4	0	24	8.7	6.7	
3907	3	75.4	0	7.9	10.3	8.3	
3908	2	75.4	0	4.2	9.4	8.8	
31001	2	97.1	0	5.3	3.8	9.4	
31002	2	75.4	0	7.7	5.3	8.9	
31003	2	73.3	0	13	7.3	8.1	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
31004	2	99.9	0	20.5	3.9	7.6	
31005	1	75.4	0	27	5.6	6.7	
31006	3	73.3	0	22	6.8	7.1	
31007	3	75.4	0	7.8	5.8	8.8	
31008	2	56.4	0	3.2	8.3	9.1	
31101	2	97.1	0	5.3	4.3	9.4	
31102	2	75.4	0	8.3	6.8	8.6	
31103	2	73.3	0	14	9	7.8	
31104	2	99.9	0	22.5	4.6	7.3	
31105	1	75.4	0	28.1	6	6.4	
31106	3	73.3	0	24.4	8.7	6.6	
31107	3	75.4	0	8.2	10.4	8.2	
31108	2	56.4	0	5.6	5.1	9.2	
31201	2	97.1	0	5.5	3.7	9.4	
31202	2	75.4	0	7.9	5.4	8.8	
31203	2	73.3	0	13.4	7.2	8	
31204	2	56.4	0	21	4	7.5	
31205	1	75.4	0	27.6	5.5	6.6	
31206	3	75.4	0	22.3	6.7	7.1	
31207	3	99.9	0	8.1	5.8	8.8	
31208	2	73.3	0	5.6	4.2	9.4	
31301	2	97.1	0	5.4	4.2	9.4	
31302	2	75.4	0	8.5	6.8	8.6	
31303	2	73.3	0	14.3	8.9	7.7	
31304	2	99.9	0	22.8	4.5	7.3	
31305	1	75.4	0	28.4	5.8	6.4	
31306	3	73.3	0	24.5	8.7	6.6	
31307	3	75.4	0	8.4	10.6	8.2	
31308	2	56.4	0	5.8	5.1	9.2	
31401	2	97.1	0	5.7	3.7	9.4	
31402	2	75.4	0	8.1	5.5	8.8	
31403	2	73.3	0	13.7	7.3	8	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
31404	2	99.9	0	21.3	3.9	7.4	
31405	1	75.4	0	27.9	5.4	6.6	
31406	3	73.3	0	22.5	6.8	7.1	
31407	3	75.4	0	8.2	5.9	8.7	
31408	2	56.4	0	5.8	4.1	9.3	
31501	2	97.1	0	5.7	4.3	9.3	
31502	2	75.4	0	8.6	7.1	8.5	
31503	2	73.3	0	14.7	8.8	7.7	
31504	2	99.9	0	23.3	4.5	7.2	
31505	1	75.4	0	29	6	6.4	
31506	3	73.3	0	24.8	8.9	6.5	
31507	3	75.4	0	8.7	10.4	8.2	
31508	2	56.4	0	6	5	9.2	
31601	2	97.1	0	6	3.8	9.4	
31602	2	75.4	0	8.5	5.4	8.8	
31603	2	73.3	0	14.1	7.3	7.9	
31604	2	56.4	0	21.8	4	7.4	
31605	1	75.4	0	28.4	5.1	6.6	
31606	3	75.4	0	22.9	7.3	6.9	
31607	3	99.9	0	8.6	5.9	8.7	
31608	2	73.3	0	6	4.3	9.3	
31701	2	75.4	0	5.8	4.3	9.3	
31702	2	73.3	0	8.9	7	8.5	
31703	2	73.3	0	14.9	8.4	7.7	
31704	2	75.4	0	23.6	4.5	7.2	
31705	1	56.4	0	29.3	5.9	6.4	
31706	3	97.1	0	24.9	8.6	6.6	
31707	3	99.9	0	8.8	10.1	8.2	
31708	2	75.4	0	4.1	8.9	8.9	
31801	2	75.4	0	6.1	3.8	9.4	
31802	2	73.3	0	8.6	5.3	8.8	
31803	2	73.3	0	14.3	6.9	7.9	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
31804	2	75.4	0	22	3.8	7.4	
31805	1	56.4	0	28.7	5.2	6.5	
31806	3	97.1	0	23	7.1	6.9	
31807	3	99.9	0	8.7	5.7	8.7	
31808	2	75.4	0	3.6	8	9.1	
31901	2	75.4	0	6	4.4	9.3	
31902	2	73.3	0	9	6.7	8.5	
31903	2	73.3	0	15.2	8.1	7.7	
31904	2	75.4	0	23.9	4.5	7.2	
31905	1	56.4	0	29.6	5.7	6.3	
31906	3	97.1	0	25.2	8.5	6.5	
31907	3	99.9	0	9	9.9	8.2	
31908	2	75.4	0	6.3	4.9	9.1	
32001	2	75.4	0	6.3	3.8	9.3	
32002	2	73.3	0	8.8	5.2	8.8	
32003	2	73.3	0	14.5	7.2	7.9	
32004	2	75.4	0	22.3	3.8	7.4	
32005	1	56.4	0	29.1	5.2	6.4	
32006	3	97.1	0	23.3	7	6.9	
32007	3	99.9	0	8.9	5.5	8.7	
32008	2	75.4	0	6.1	4.1	9.3	
32101	2	75.4	0	6	4.4	9.3	
32102	2	73.3	0	9.1	6.9	8.4	
32103	2	73.3	0	15.3	8.4	7.7	
32104	2	75.4	0	24.1	4.6	7.1	
32105	1	56.4	0	29.8	5.8	6.3	
32106	3	97.1	0	25.4	8.5	6.5	
32107	3	99.9	0	9	10.1	8.2	
32108	2	75.4	0	6.4	4.9	9.1	
32201	2	75.4	0	6.3	3.8	9.3	
32202	2	73.3	0	8.8	5.2	8.8	
32203	2	73.3	0	14.6	7	7.9	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
32204	2	75.4	0	22.5	3.8	7.4	
32205	1	56.4	0	29.3	5.2	6.4	
32206	3	97.1	0	23.4	7	6.9	
32207	3	99.9	0	9	5.4	8.7	
32208	2	75.4	0	6.2	4.1	9.3	
32301	2	75.4	0	6.2	4.5	9.2	
32302	2	73.3	0	9.3	6.8	8.4	
32303	2	73.3	0	15.6	8.3	7.6	
32304	2	75.4	0	24.4	4.6	7.1	
32305	1	56.4	0	30.2	5.6	6.3	
32306	3	97.1	0	25.7	8.7	6.4	
32307	3	99.9	0	9.2	10.1	8.2	
32308	2	75.4	0	6.5	4.9	9.1	
32401	2	75.4	0	6.4	3.9	9.3	
32402	2	73.3	0	9	5.2	8.7	
32403	2	73.3	0	14.9	7	7.9	
32404	2	75.4	0	22.8	3.9	7.3	
32405	1	56.4	0	29.6	5	6.4	
32406	3	97.1	0	23.7	7.2	6.9	
32407	3	99.9	0	9.1	5.7	8.6	
32408	2	75.4	0	6.3	4.1	9.3	
32501	2	75.4	0	6.2	4.4	9.2	
32502	2	73.3	0	9.4	6.8	8.4	
32503	2	73.3	0	15.8	8	7.6	
32504	2	75.4	0	24.7	4.6	7.1	
32505	1	56.4	0	30.5	5.6	6.2	
32506	3	97.1	0	26	8.5	6.4	
32507	3	99.9	0	9.3	10	8.2	
32508	2	75.4	0	6.7	4.9	9.1	
32601	2	75.4	0	16.3	6	7.8	
32602	2	73.3	0	17.8	7	7.5	
32603	2	73.3	0	24.4	7.9	6.7	

Crescent Parklands
Stage 1: Buildings 1, 2 and 3

Certificate #HR-UHSVPA-01 and HR-YY6E8S-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
32604	2	75.4	0	29.1	5.1	6.4	Glazing upgrade 1
32605	1	56.4	0	31.7	6	6	Glazing upgrade 1, R4.5 ceiling insulation, R2.5 external wall insulation and 1200mm ceiling fans
32606	3	97.1	0	29.3	7.6	6.1	Glazing upgrade 1
32607	3	99.9	0	20	8.1	7.2	
32608	2	75.4	0	16.8	6.6	7.7	

Crescent Parklands
Stage 2: Buildings 4 and 5

Certificate #HR-UDYI6E-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
Building 4							
4101	3	100.2	0	3.5	5.4	9.5	
4102	3	88.6	0	5.8	13.8	8.1	
4103	1	50.1	0	12	15.2	7.3	
4104	1	50.5	0	7.7	20.5	7.2	Glass upgrade 1
4105	2	73.5	0	11.7	11.1	7.8	
4201	3	100.2	0	4.3	5.2	9.4	
4202	3	88.6	0	4.3	18.5	7.9	Glass upgrade 1
4203	1	50.1	0	11.4	19.7	6.9	
4204	1	50.5	0	5	16.6	7.9	Glass upgrade 2
4205	2	73.5	0	14.5	8.5	7.7	
4301	3	100.2	0	6.4	4.9	9.1	
4302	3	88.6	0	6.6	18.2	7.5	
4303	1	50.1	0	15.5	13.9	7.1	
4304	1	50.5	0	13.5	19.7	6.6	
4305	2	73.5	0	18.3	7.9	7.4	
4401	2	74.6	0	21.7	6.3	7.2	
4402	2	84.6	0	3.7	6.1	9.4	
4403	3	88.6	0	6.4	18.1	7.6	
4404	1	50.1	0	16.5	13.6	6.9	
4405	1	50.5	0	14.2	19.4	6.6	
4406	2	73.5	0	15.1	7.6	7.8	
4407	2	76.8	0	28.4	6.6	6.4	Glass upgrade 2 and R2.5 to external walls and R3.5 to subfloor
4501	2	74.6	0	13.1	6.9	8.1	
4502	2	84.6	0	3.7	5.8	9.4	
4503	3	88.6	0	6.6	18.2	7.5	
4504	1	50.1	0	17	13.7	6.9	
4505	1	50.5	0	14.7	19.2	6.5	
4506	2	73.5	0	13.9	7.5	7.9	
4507	2	79.7	0	26.3	10.9	6.1	Glass upgrade 1 and R2.5 to external walls
4508	2	74.6	0	16.1	8.4	7.6	

Crescent Parklands
Stage 2: Buildings 4 and 5

Certificate #HR-UDYI6E-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
4601	2	74.6	0	13.5	6.6	8.1	
4602	2	84.6	0	3.9	5.7	9.4	
4603	3	88.6	0	6.8	18.2	7.4	
4604	1	50.1	0	17.6	13	6.9	
4605	1	50.5	0	15.2	19.1	6.4	
4606	2	73.5	0	14.3	7.4	7.9	
4607	2	79.7	0	25	11.6	6.2	Glass upgrade 1 and R2.5 to external walls
4608	2	74.6	0	11	8.3	8.2	
4701	2	74.6	0	14	6.9	8	
4702	2	84.6	0	4.1	5.7	9.4	
4703	3	88.6	0	7	17.9	7.5	
4704	1	50.1	0	18.1	13	6.9	
4705	1	50.5	0	15.7	19.2	6.4	
4706	2	73.5	0	14.7	7.2	7.9	
4707	2	79.7	0	25.4	11	6.2	Glass upgrade 1 and R2.5 to external walls
4708	2	74.6	0	11.4	8.3	8.1	
4801	2	74.6	0	14.3	6.9	7.9	
4802	2	84.6	0	4.2	5.6	9.4	
4803	3	88.6	0	7.2	17.6	7.5	
4804	1	50.1	0	18.5	13	6.8	
4805	1	50.5	0	16.1	18.6	6.4	
4806	2	73.5	0	15	7.2	7.8	
4807	2	79.7	0	25.7	10.8	6.2	Glass upgrade 1 and R2.5 to external walls
4808	2	74.6	0	11.6	8.1	8.1	
4901	2	74.6	0	14.7	6.7	7.9	
4902	2	84.6	0	4.3	5.5	9.4	
4903	3	88.6	0	7.5	17.6	7.4	
4904	1	50.1	0	19	13.3	6.7	
4905	1	50.5	0	16.6	18.6	6.4	
4906	2	73.5	0	15.5	7.2	7.8	
4907	2	79.7	0	26	10.6	6.2	Glass upgrade 1 and R2.5 to external walls
4908	2	74.6	0	12.1	8.4	8.1	

Crescent Parklands
Stage 2: Buildings 4 and 5

Certificate #HR-UDYI6E-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
41001	2	74.6	0	16.7	6.8	7.7	
41002	2	84.6	0	5.3	5.4	9.2	
41003	3	88.6	0	8.8	16.1	7.5	
41004	1	50.1	0	21.5	13.2	6.4	
41005	1	50.5	0	18.9	16.7	6.3	
41006	2	73.5	0	17.4	7	7.6	
41007	2	79.7	0	28	9.6	6	Glass upgrade 1, R2.5 to external walls and 1200mm ceiling fans
41008	2	74.6	0	13.9	7.8	7.9	
41101	2	74.6	0	14.7	8.6	7.7	
41102	2	84.6	0	5	5.3	9.3	
41103	3	88.6	0	9.1	15.3	7.6	
41104	1	50.1	0	23.9	13.7	6.1	
41105	1	50.5	0	18.5	12.6	6.9	Glass upgrade 1
41106	2	73.5	0	19.9	6.6	7.4	
41107	2	79.7	0	26.5	10	6.2	Glass upgrade 1 and R2.5 to external walls
41108	2	74.6	0	12.9	10.6	7.7	
41201	2	74.6	0	14.7	9.7	7.6	
41202	2	84.6	0	5.1	5.4	9.3	
41203	3	88.6	0	9.2	15.3	7.6	
41204	1	50.1	0	18.3	12.3	6.9	Glass upgrade 1
41205	1	50.5	0	18.6	12.4	6.9	Glass upgrade 1
41206	2	73.5	0	20.1	6.7	7.3	
41207	2	79.7	0	26.5	10.2	6.2	Glass upgrade 1 and R2.5 to external walls
41208	2	74.6	0	13	10.2	7.7	
41301	2	74.6	0	14.9	10.6	7.4	
41302	2	84.6	0	5.3	5.5	9.2	
41303	3	88.6	0	9.3	15.3	7.5	
41304	1	50.1	0	24.4	13.6	6	
41305	1	50.5	0	19.3	12.6	6.8	Glass upgrade 1
41306	2	73.5	0	20.3	6.6	7.3	
41307	2	79.7	0	26.6	10.2	6.2	Glass upgrade 1 and R2.5 to external walls

Crescent Parklands
Stage 2: Buildings 4 and 5

Certificate #HR-UDYI6E-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
41308	2	74.6	0	13.3	10.1	7.7	
41401	2	74.6	0	14.8	10.7	7.4	
41402	2	84.6	0	5.3	5.6	9.2	
41403	3	88.6	0	9.4	15.6	7.4	
41404	1	50.1	0	24.5	13.5	6	
41405	1	50.5	0	19	12.7	6.8	Glass upgrade 1
41406	2	73.5	0	20.4	6.5	7.3	
41407	2	79.7	0	26.5	10	6.2	Glass upgrade 1 and R2.5 to external walls
41408	2	74.6	0	13.4	10.2	7.7	
41501	2	74.6	0	14.7	13.1	7.2	
41502	2	84.6	0	5.3	5.5	9.2	
41503	3	88.6	0	9.5	15.8	7.4	
41504	1	50.1	0	18	11.7	7	Glass upgrade 1
41505	1	50.5	0	19.1	12.8	6.8	Glass upgrade 1
41506	2	73.5	0	20.6	6.6	7.3	
41507	2	79.7	0	26.3	10.1	6.2	Glass upgrade 1 and R2.5 to external walls
41508	2	74.6	0	13.2	10	7.7	
41601	2	74.6	0	14.6	13.9	7.2	
41602	2	84.6	0	5.4	5.5	9.2	
41603	3	88.6	0	9.5	16	7.4	
41604	1	50.1	0	18.1	11.6	7	Glass upgrade 1
41605	1	50.5	0	19.2	12.9	6.7	Glass upgrade 1
41606	2	73.5	0	20.7	6.6	7.3	
41607	2	79.7	0	27.9	10	6	Glass upgrade 1
41608	2	74.6	0	13.2	10.5	7.7	
41701	2	74.6	0	14.5	18.3	6.6	
41702	2	84.6	0	5.5	5.5	9.2	
41703	3	88.6	0	9.6	16.2	7.4	
41704	1	50.1	0	17.3	11.5	7.1	Glass upgrade 1 and R2.5 to external walls
41705	1	50.5	0	19.3	12.8	6.7	Glass upgrade 1
41706	2	73.5	0	20.9	6.5	7.3	
41707	2	79.7	0	26.3	10	6.2	Glass upgrade 1

Crescent Parklands
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Certificate #HR-UDYI6E-01							Accreditation # HERA10213
Thermal performance specifications							
Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
41708	2	74.6	0	13.1	10.5	7.7	
41801	2	74.6	0	14.8	13.5	7.2	Glass upgrade 2 and R4.5 ceiling insulation
41802	2	84.6	0	15	7	7.9	
41803	3	88.6	0	18.7	18.6	6.1	
41804	1	50.1	0	25	12.1	6.1	Glass upgrade 1 and R2.5 to external walls
41805	1	50.5	0	20.5	12.7	6.6	Glass upgrade 2 and R4.5 ceiling insulation
41806	2	73.5	0	24.1	8	6.7	Glass upgrade 1 and R4.5 ceiling insulation
41807	2	79.7	0	27.2	9.7	6.1	Glass upgrade 2, R2.5 external wall insulation and R4.5 ceiling insulation
41808	2	74.6	0	18.2	13.6	6.8	Glass upgrade 1

Crescent Parklands
Stage 2: Buildings 4 and 5

Certificate #HR-UDYI6E-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
Building 5							
5001	4	130.1	0	14.7	14.3	7.1	
5002	4	138	0	3	10.7	8.8	
5003	4	137.9	0	3.4	7.1	9.3	
5004	4	126.2	0	11.6	9.5	7.9	
5101	2	88.4	0	2.1	5.4	9.7	
5201	1	58.7	5.3	3.4	8.1	9.1	
5202	2	75.8	0	0.4	6.4	9.9	
5203	2	80.1	0	1.4	6	9.8	
5204	2	80.1	0	1.7	6.1	9.7	
5205	2	75.8	0	0.3	6	9.9	
5206	1	63.2	0	6.8	7.7	8.7	
5301	1	58.7	5.3	5.6	7.4	8.9	
5302	2	75.8	0	0.8	5.7	9.9	
5303	2	80.1	0	2.6	5.4	9.7	
5304	2	80.1	0	2.9	5.4	9.6	
5305	2	75.8	0	0.7	5.2	10	
5306	1	63.2	0	8.9	7.3	8.4	
5401	3	104.1	0	31.6	5.8	6.1	Glass upgrade 1 and R2.5 to external walls
5402	2	73.9	0	6.5	7.2	8.8	
5403	2	75.8	0	0.9	5.5	9.9	
5404	2	80.1	0	2.8	5.3	9.6	
5405	2	80.1	0	3.2	5.5	9.6	
5406	2	75.8	0	0.9	5.3	9.9	
5407	2	73.9	0	4.8	4.9	9.4	
5408	3	104.1	0	31.3	5.5	6.2	Glazing upgrade 1
5501	3	104.5	0	28.1	9.2	6.1	
5502	2	73.9	0	6.1	7	8.9	
5503	2	75.8	0	1	5.5	9.9	
5504	2	80.1	0	3	5.3	9.6	
5505	2	80.1	0	3.5	5.3	9.5	
5506	2	75.8	0	0.9	5.3	9.9	

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
5507	2	73.9	0	4.1	5	9.4	
5508	3	104.6	0	26.7	8.7	6.3	
5601	3	104.5	0	28.7	8.9	6	
5602	2	73.9	0	6.3	7	8.8	
5603	2	75.8	0	1.1	5.3	9.9	
5604	2	80.1	0	3.2	5.2	9.6	
5605	2	80.1	0	3.7	5.3	9.5	
5606	2	75.8	0	1	5.1	9.9	
5607	2	73.9	0	4.4	5	9.4	
5608	3	104.6	0	27.3	8.8	6.2	
5701	3	104.5	0	22.6	7.2	7	Glazing upgrade 1
5702	2	73.9	0	6.4	6.9	8.8	
5703	2	75.8	0	1.1	5.2	9.9	
5704	2	80.1	0	3.4	5.2	9.6	
5705	2	80.1	0	3.8	5.2	9.5	
5706	2	75.8	0	1	5	10	
5707	2	73.9	0	4.5	5.2	9.4	
5708	3	104.6	0	27.7	8.7	6.2	
5801	3	104.5	0	23.1	7.3	6.9	Glazing upgrade 1
5802	2	73.9	0	6.8	6.8	8.8	
5803	2	75.8	0	1.2	5.1	9.9	
5804	2	80.1	0	3.5	5.1	9.6	
5805	2	80.1	0	4	5.1	9.4	
5806	2	75.8	0	1.1	4.9	10	
5807	2	73.9	0	4.8	5.4	9.3	
5808	3	104.6	0	28.4	8.8	6.1	
5901	3	104.5	0	23.4	7.2	6.9	Glazing upgrade 1
5902	2	73.9	0	7	7	8.8	
5903	2	75.8	0	1.2	5.1	9.9	
5904	2	80.1	0	3.7	5	9.5	
5905	2	80.1	0	4.1	5.1	9.4	
5906	2	75.8	0	1.2	4.9	9.9	

Crescent Parklands
Stage 2: Buildings 4 and 5

Certificate #HR-UDYI6E-01

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
5907	2	73.9	0	4.9	5.6	9.3	
5908	3	104.6	0	28.8	8.8	6.1	
51001	3	104.5	0	23.8	7.3	6.9	Glazing upgrade 1
51002	2	73.9	0	7.2	6.7	8.8	
51003	2	75.8	0	1.3	5.2	9.9	
51004	2	80.1	0	3.9	5	9.5	
51005	2	80.1	0	4.3	5.1	9.4	
51006	2	75.8	0	1.3	5	9.9	
51007	2	73.9	0	5.1	5.8	9.2	
51008	3	104.6	0	29.2	8.8	6	
51101	3	104.5	0	24.9	6.9	6.8	Glazing upgrade 1
51102	2	73.9	0	8.4	6.1	8.7	
51103	2	75.8	0	1.8	4.5	9.9	
51104	2	80.1	0	4.4	4.7	9.4	
51105	2	80.1	0	5	4.9	9.4	
51106	2	75.8	0	1.6	4.3	10	
51107	2	73.9	0	5.6	5.9	9.1	
51108	3	104.6	0	23.9	6.8	6.9	Glazing upgrade 1
51201	3	104.5	0	25.3	6.9	6.7	Glazing upgrade 1
51202	2	73.9	0	8.7	6.1	8.7	
51203	2	75.8	0	1.8	4.4	9.9	
51204	2	80.1	0	4.6	4.6	9.4	
51205	2	80.1	0	5.1	4.7	9.4	
51206	2	75.8	0	1.7	4.3	10	
51207	2	73.9	0	5.6	6	9.1	
51208	3	104.6	0	24.2	6.8	6.9	Glazing upgrade 1
51301	3	104.5	0	25.4	7.1	6.7	Glazing upgrade 1
51302	2	73.9	0	8.7	6	8.7	
51303	2	75.8	0	1.9	4.4	9.9	
51304	2	80.1	0	4.7	4.6	9.4	
51305	2	80.1	0	5.2	4.7	9.3	
51306	2	75.8	0	1.7	4.2	10	

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Certificate #HR-UDYI6E-01

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
51307	2	73.9	0	5.7	6.7	8.9	
51308	3	104.6	0	24.2	7	6.8	Glazing upgrade 1
51401	3	104.5	0	27.5	7.2	6.4	Glazing upgrade 1
51402	2	73.9	0	8.9	6.1	8.6	
51403	2	75.8	0	2	4.4	9.9	
51404	2	80.1	0	4.8	4.7	9.4	
51405	2	80.1	0	5.3	4.8	9.3	
51406	2	75.8	0	1.8	4.2	10	
51407	2	73.9	0	5.7	7.4	8.9	
51408	3	104.6	0	24.4	7.4	6.8	Glazing upgrade 1
51501	3	104.5	0	29.2	8	6.1	Glazing upgrade 1
51502	2	73.9	0	9	6.3	8.6	
51503	2	75.8	0	2	4.4	9.9	
51504	2	80.1	0	4.8	4.7	9.4	
51505	2	80.1	0	5.4	4.8	9.3	
51506	2	75.8	0	1.8	4.2	9.9	
51507	2	73.9	0	5.7	8.1	8.8	
51508	3	104.6	0	24.2	7.4	6.8	Glazing upgrade 1
51601	3	104.5	0	29.9	8.1	6	Glass upgrade 1 and R2.5 to external walls
51602	2	73.9	0	9	6.6	8.5	
51603	2	75.8	0	2	4.4	9.9	
51604	2	80.1	0	4.9	4.7	9.4	
51605	2	80.1	0	5.5	4.7	9.3	
51606	2	75.8	0	1.9	4.2	9.9	
51607	2	73.9	0	5.6	8.4	8.8	
51608	3	104.6	0	23.5	7.4	6.9	Glazing upgrade 1
51701	3	104.5	0	26	7.6	6.5	Glazing upgrade 1
51702	2	73.9	0	9.1	6.7	8.5	
51703	2	75.8	0	2.1	4.4	9.9	
51704	2	80.1	0	5	4.6	9.4	
51705	2	80.1	0	5.6	4.8	9.3	
51706	2	75.8	0	2	4.1	9.9	

Crescent Parklands
Stage 2: Buildings 4 and 5

Certificate #HR-UDYI6E-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
51707	2	73.9	0	5.2	8.6	8.8	
51708	3	104.6	0	23	7.4	6.9	Glazing upgrade 1
51801	3	104.5	0	26	7.9	6.5	Glazing upgrade 1
51802	2	73.9	0	9.1	7.1	8.4	
51803	2	75.8	0	2.1	4.3	9.9	
51804	2	80.1	0	5.1	4.6	9.4	
51805	2	80.1	0	5.7	4.7	9.3	
51806	2	75.8	0	1.9	4.1	9.9	
51807	2	73.9	0	4.8	9.2	8.8	
51808	3	104.6	0	29.2	8.6	6	
51901	3	104.5	0	27.8	7	6.4	Glazing upgrade 2, R2.5 external wall insulation and R4.5 ceiling insulation
51902	2	73.9	0	17.2	10.8	7.2	
51903	2	75.8	0	7.8	6.6	8.7	
51904	2	80.1	0	14.6	6.5	7.9	
51905	2	80.1	0	15.9	6.7	7.8	
51906	2	75.8	0	7.7	6.4	8.7	
51907	2	73.9	0	10.6	11.3	7.9	
51908	3	104.6	0	28.6	9.1	6	Glazing upgrade 1 and R4.5 ceiling insulation

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Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
Building 6							
6001	3	139.5	0	12.2	19.1	6.8	
6002	3	114.4	0	0.7	17.7	8.3	Glazing 1 upgrade
6003	3	121.6	0	0.4	21	7.9	Glazing 1 + ceiling fan upgrade
6004	3	121.6	0	0.4	18.5	7.9	Glazing 1 + ceiling fan upgrade
6005	3	114.4	0	1	19.1	8.1	
6006	3	139.4	0	11.4	10.7	7.9	
6201	2	85	0	9.3	18.7	7.2	Glazing 1 upgrade
6202	1	57.3	0	0.5	5.6	9.9	
6203	2	87.3	0	2.1	5.4	9.8	
6204	2	87.3	0	2.2	6.2	9.6	
6205	1	57.3	0	0.5	7.2	9.7	
6206	3	110	0	13.9	8.9	7.8	
6301	2	85	0	14.6	16.5	6.9	
6302	1	57.3	0	1.1	5.4	9.9	
6303	2	87.3	0	3.4	5.2	9.6	
6304	2	87.3	0	3.7	5.6	9.4	
6305	1	57.3	0	1	6.8	9.7	
6306	3	110	0	14.1	7.8	7.9	
6401	2	78.3	0	33.9	3.6	6.1	Glazing 1 upgrade + R2.5 to external walls
6402	3	101	0	28.6	5	6.5	Glazing 1 upgrade + R2.5 to external walls + R3.5 floor insulation
6403	2	85	0	8.9	16.5	7.4	
6404	1	57.3	0	1.2	5.3	9.9	
6405	2	87.3	0	3.7	5.1	9.5	
6406	2	87.3	0	3.9	5.7	9.4	
6407	1	57.3	0	1.1	5.9	9.8	
6408	2	85.1	0	5.8	8.6	8.7	
6409	3	101	0	29.5	4.1	6.6	Glazing 1 upgrade
6410	2	84.9	0	32.5	2.9	6.3	Glazing upgrade 2 + R2.5 to external walls + R3.5 floor insulation
6501	2	85	0	28.2	4.6	6.6	Glazing 1 upgrade

Certificate #HR-F7E3KY-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
6502	3	101	0	31.6	6	6	
6503	2	85	0	9.1	16.6	7.4	
6504	1	57.3	0	1.4	5.4	9.9	
6505	2	87.3	0	3.8	5	9.5	
6506	2	87.3	0	4.1	5.8	9.3	
6507	1	57.3	0	1.2	6.3	9.8	
6508	2	85.1	0	6.4	8.9	8.6	
6509	3	101	0	28.4	4.8	6.6	
6510	2	85	0	28	4.4	6.7	Glazing 1 upgrade
6601	2	85	0	28.8	4.7	6.6	Glazing 1 upgrade
6602	3	101	0	25.7	6.2	6.8	
6603	2	85	0	8.9	17.6	7.3	
6604	1	57.3	0	1.5	5.3	9.9	
6605	2	87.3	0	4	5.1	9.4	
6606	2	87.3	0	4.4	5.7	9.3	
6607	1	57.3	0	1.2	6.2	9.8	
6608	2	85.1	0	6.6	8.6	8.6	
6609	3	101	0	29	4.8	6.5	
6610	2	85	0	28.8	4.5	6.6	Glazing 1 upgrade
6701	2	85	0	29.2	4.6	6.5	Glazing 1 upgrade
6702	3	101	0	26.1	6.1	6.7	
6703	2	85	0	9.3	17.2	7.4	
6704	1	57.3	0	1.6	5.2	9.9	
6705	2	87.3	0	4.2	5.1	9.4	
6706	2	87.3	0	4.5	5.6	9.3	
6707	1	57.3	0	1.3	6.1	9.8	
6708	2	85.1	0	6.7	8.5	8.6	
6709	3	101	0	29.4	4.8	6.4	
6710	2	85	0	29.1	4.6	6.5	Glazing 1 upgrade
6801	2	85	0	29.7	4.6	6.4	Glazing 1 upgrade
6802	3	101	0	27	6.2	6.6	
6803	2	85	0	9.4	16.7	7.4	

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
6804	1	57.3	0	1.8	5.2	9.8	
6805	2	87.3	0	4.3	5.1	9.4	
6806	2	87.3	0	4.7	5.5	9.3	
6807	1	57.3	0	1.4	6.2	9.7	
6808	2	85.1	0	7	8.4	8.6	
6809	3	101	0	29.9	4.7	6.4	
6810	2	85	0	29.7	4.5	6.4	Glazing 1 upgrade
6901	2	85	0	29.2	4.7	6.5	Glazing 1 upgrade
6902	3	101	0	26.9	6.3	6.6	
6903	2	85	0	9.6	16.8	7.4	
6904	1	57.3	0	1.9	5.2	9.8	
6905	2	87.3	0	4.4	5.1	9.4	
6906	2	87.3	0	4.9	5.5	9.3	
6907	1	57.3	0	1.5	6.2	9.7	
6908	2	85.1	0	7.2	8.6	8.5	
6909	3	101	0	30.1	4.8	6.4	
6910	2	85	0	29.8	4.5	6.4	Glazing 1 upgrade
61001	2	85	0	31.2	6.2	6.1	Glazing 1 upgrade
61002	3	101	0	24.2	7.7	6.8	Glazing 1 upgrade
61003	2	85	0	15.4	18.6	6.5	
61004	1	57.3	0	4.9	7.9	8.9	
61005	2	87.3	0	8.7	8.2	8.4	
61006	2	87.3	0	9.7	7.7	8.4	
61007	1	57.3	0	4	8.7	8.9	
61008	2	85.1	0	12.8	11.2	7.6	
61009	3	101	0	26.3	6.1	6.7	Glazing 1 upgrade
61010	2	85	0	29	6.6	6.3	Glazing 1 + ceiling fan upgrade + R2.5 to external walls
61101	2	85	0	32.5	4.3	6.1	Glazing 1 upgrade
61102	3	101	0	30	6.1	6.2	
61103	2	85	0	11.6	14.4	7.4	
61104	1	57.3	0	2.7	5.3	9.7	

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
61105	2	87.3	0	5.7	4.9	9.2	
61106	2	87.3	0	6.2	5.5	9.1	
61107	1	57.3	0	2.3	6	9.6	
61108	2	85.1	0	8.8	7.6	8.4	
61109	3	101	0	26.4	4.2	6.9	Glazing 1 upgrade
61110	2	85	0	32.5	4.3	6.1	Glazing 1 upgrade
61201	2	85	0	32.7	4.2	6.1	Glazing 1 upgrade
61202	3	101	0	30.1	6.1	6.2	
61203	2	85	0	11.6	14.4	7.4	
61204	1	57.3	0	2.8	5.1	9.7	
61205	2	87.3	0	5.7	4.6	9.3	
61206	2	87.3	0	6.1	5.2	9.1	
61207	1	57.3	0	2.4	5.9	9.6	
61208	2	85.1	0	8.8	7.7	8.4	
61209	3	101	0	26.4	4	6.9	Glazing 1 upgrade
61210	2	85	0	32.7	4.3	6.1	Glazing 1 upgrade
61301	2	85	0	32.8	4.3	6.1	Glazing 1 upgrade
61302	3	101	0	30.2	6.1	6.2	
61303	2	85	0	11.7	14.3	7.4	
61304	1	57.3	0	2.8	5.1	9.7	
61305	2	87.3	0	5.8	4.6	9.3	
61306	2	87.3	0	6.2	5	9.1	
61307	1	57.3	0	2.4	5.9	9.6	
61308	2	85.1	0	8.8	8.3	8.4	
61309	3	101	0	26.4	4.2	6.9	Glazing 1 upgrade
61310	2	85	0	32.8	4.3	6.1	Glazing 1 upgrade
61401	2	85	0	33.1	4.2	6.1	Glazing 1 upgrade
61402	3	101	0	30.6	6.1	6.2	
61403	2	85	0	11.8	14.4	7.4	
61404	1	57.3	0	2.9	5	9.7	
61405	2	87.3	0	6	4.4	9.3	
61406	2	87.3	0	6.4	5.1	9.1	

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
61407	1	57.3	0	2.5	5.9	9.6	
61408	2	85.1	0	8.9	8.7	8.3	
61409	3	101	0	26.6	4.3	6.9	Glazing 1 upgrade
61410	2	85	0	33.1	4.3	6.1	Glazing 1 upgrade
61501	2	85	0	33.3	4.2	6.1	Glazing 1 upgrade
61502	3	101	0	30.7	6.1	6.2	
61503	2	85	0	12	14.8	7.3	
61504	1	57.3	0	3	5	9.7	
61505	2	87.3	0	6	4.6	9.2	
61506	2	87.3	0	6.5	5.1	9.1	
61507	1	57.3	0	2.5	5.9	9.6	
61508	2	85.1	0	8.9	9.5	8.3	
61509	3	101	0	26.5	4.5	6.9	Glazing 1 upgrade
61510	2	85	0	33.3	4.2	6.1	Glazing 1 upgrade
61601	2	85	0	33.2	4.2	6.1	Glazing 1 upgrade
61602	3	101	0	30.7	6.1	6.1	
61603	2	85	0	12	14.7	7.3	
61604	1	57.3	0	3	5.1	9.7	
61605	2	87.3	0	5.9	4.5	9.3	
61606	2	87.3	0	6.6	5	9.1	
61607	1	57.3	0	2.6	5.9	9.6	
61608	2	85.1	0	8.8	11.2	8.1	
61609	3	101	0	26.1	4.7	6.9	Glazing 1 upgrade
61610	2	85	0	33.2	4.3	6.1	Glazing 1 upgrade
61701	2	85	0	30.4	5.7	6.2	Glazing 1 upgrade + R2.5 to external walls
61702	3	101	0	24.9	8	6.6	Glazing 1 upgrade
61703	2	57.3	0	16.6	17.6	6.4	
61704	1	87.3	0	5.4	8	8.8	
61705	2	87.3	0	10.2	7.4	8.3	
61706	2	57.3	0	10.7	7.7	8.3	
61707	1	85.1	0	4.6	8.7	8.8	
61708	2	85	0	13.1	16.4	7.1	

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
61709	3	101	0	25.5	7.2	6.7	Glazing 1 upgrade
61710	2	85	0	30.4	6.9	6.1	Glazing 1 upgrade + R2.5 to external walls
61801	2	85	0	31.3	4	6.3	Glazing 1 upgrade + R2.5 to external walls
61802	3	101	0	28.3	6.2	6.4	
61803	2	85	0	12.5	13.6	7.4	
61804	1	57.3	0	3.2	4.9	9.7	
61805	2	87.3	0	6.5	4.3	9.2	
61806	2	87.3	0	6.9	4.6	9.1	
61807	1	57.3	0	2.7	5.3	9.7	
61808	2	85.1	0	8.8	13.2	7.9	
61809	3	101	0	27.9	5.8	6.5	
61810	2	85	0	31.1	3.8	6.4	Glazing 1 upgrade + R2.5 to external walls
61901	2	85	0	31.3	3.9	6.4	Glazing 1 upgrade + R2.5 to external walls
61902	3	101	0	28.2	6.2	6.4	
61903	2	85	0	12.4	13.6	7.4	
61904	1	57.3	0	3.1	4.7	9.7	
61905	2	87.3	0	6.4	4.4	9.2	
61906	2	87.3	0	6.8	4.8	9.1	
61907	1	57.3	0	2.7	5.3	9.7	
61908	2	85.1	0	8.4	14.1	7.8	
61909	3	101	0	24.9	6.3	6.9	
61910	2	85	0	31.1	3.8	6.4	Glazing 1 upgrade + R2.5 to external walls
62001	2	85	0	31.4	4.3	6.3	Glazing 1 upgrade + R2.5 to external walls
62002	3	101	0	28.2	6.7	6.4	
62003	2	85	0	12.5	14.1	7.3	
62004	1	57.3	0	3.1	5.1	9.6	
62005	2	87.3	0	8.1	5.2	8.8	
62006	2	87.3	0	6.8	5.3	8.9	
62007	1	57.3	0	2.7	6	9.6	
62008	2	85.1	0	8.2	15.5	7.7	
62009	3	101	0	23.7	6.9	6.9	
62010	2	85	0	31	4.4	6.3	Glazing upgrade 1 and R2.5 external wall insulation

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
62101	2	85	0	32.3	4	6.2	Glazing upgrade 2, R2.7 external wall insulation and R5.0 ceiling insulation
62102	3	101	0	29.1	7.8	6.1	Glazing upgrade 1, R2.5 external wall insulation and R4.5 ceiling insulation
62103	2	85	0	18.8	14.2	6.6	Glazing upgrade 1 and R2.5 external wall insulation
62104	1	57.3	0	10.3	7.2	8.4	
62105	2	87.3	0	17.6	7.2	7.5	
62106	2	87.3	0	6.6	5.7	8.9	
62107	1	57.3	0	2.8	6	9.5	
62108	2	85.1	0	8.4	15.7	7.6	
62109	3	101	0	23.6	6.8	6.9	
62110	2	85	0	30.3	4.9	6.4	Glazing upgrade 1 and R2.5 external wall insulation
62201	2	87.3	0	15.4	9.4	7.5	
62202	1	57.3	0	9	8.1	8.4	
62203	2	85.1	0	16.9	17.3	6.4	
62204	3	101	0	27.4	8	6.3	Glazing upgrade 1
62205	2	85	0	32.8	4.9	6	Glazing upgrade 2, R2.7 external wall insulation and R5.0 ceiling insulation

Crescent Parklands
Stage C: Buildings 6 and 7

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
Building 7							
7001	2	75.6	0	14.3	17.1	6.8	
7002	2	75	0	11.2	11	7.8	
7003	2	102.7	0	14.1	21	6.4	
7004	2	102.7	0	11.3	20.5	6.8	Glazing upgrade 1
7005	3	95.6	0	2.4	9.4	9	
7101	2	73.4	0	17.8	11.8	7	Glazing upgrade 2, R2.5 external wall insulation, R3.5 subfloor insulation and 1200mm ceiling fans
7102	2	75.3	0	16.7	8.9	7.4	
7103	2	75.6	0	11.6	20.6	6.7	
7104	2	75	0	8.5	9.3	8.3	
7105	3	95.6	0	2	10.8	8.9	
7201	2	73.4	0	10	18.7	7.1	Glazing upgrade 1
7202	2	75.3	0	8.6	10.1	8.2	
7203	2	75.6	0	10.9	13.3	7.6	
7204	2	75	0	6.4	13.2	8.1	
7205	1	49.5	0	9.7	17.9	7.2	Glazing upgrade 1
7206	1	49.5	0	12.7	13.7	7.4	
7207	3	95.6	0	1.9	10.8	8.9	
7301	2	73.4	0	5.4	19.2	7.6	Glazing upgrade 1
7302	2	75.3	0	9.3	9.5	8.2	
7303	2	75.6	0	12.2	12.2	7.6	
7304	2	75	0	7.1	12.3	8.2	
7305	1	49.5	0	14.4	20	6.4	
7306	1	49.5	0	14.2	13.8	7.2	
7307	3	95.6	0	2.4	10	8.9	
7401	2	73.4	0	13.8	19.1	6.6	
7402	2	75.3	0	14.7	7.4	7.9	
7403	2	75.6	0	14.7	15	7	
7404	2	75	0	9.4	6.9	8.4	
7405	1	49.5	0	18.2	13.9	6.7	
7406	1	49.5	0	19.2	12.2	6.8	

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Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
7407	3	95.6	0	3.3	8.5	9	
7408	2	78.7	0	13	5.5	8.3	
7409	1	57.5	0	29.6	7.4	6.1	Glazing upgrade 1
7501	2	73.4	0	14.5	18.3	6.6	
7502	2	75.3	0	15.9	6.7	7.8	
7503	2	75.6	0	16.1	14.3	6.9	
7504	2	75	0	10.4	7.4	8.3	
7505	1	49.5	0	19.7	13.6	6.6	
7506	1	49.5	0	19.8	12.5	6.7	
7507	3	95.6	0	4.2	8.5	8.9	
7508	2	78.7	0	5.9	6.7	8.9	
7509	1	73.4	0	20.1	13.8	6.5	Glazing upgrade 1
7601	2	73.4	0	14.6	18.3	6.6	
7602	2	75.3	0	15.8	7.3	7.7	
7603	2	75.6	0	16.3	10.1	7.4	
7604	2	75	0	10.4	8.2	8.2	
7605	1	49.5	0	17.1	13.5	6.9	
7606	1	49.5	0	18.8	13	6.8	
7607	3	95.6	0	3.8	8.8	8.9	
7608	2	78.7	0	6.1	6.5	8.9	
7609	1	73.4	0	19.1	17.5	6.2	
7701	2	73.4	0	15.7	17.7	6.6	
7702	2	75.3	0	16.8	6.7	7.7	
7703	2	75.6	0	17.5	10.2	7.2	
7704	2	75	0	11.5	9	8	
7705	1	49.5	0	20.9	13.3	6.4	
7706	1	49.5	0	20.6	11.9	6.7	
7707	3	95.6	0	4.8	8.4	8.8	
7708	2	78.7	0	6.3	6.7	8.9	
7709	1	73.4	0	20	16.8	6.2	
7801	2	73.4	0	15.3	18.2	6.6	
7802	2	75.3	0	16.4	7.2	7.7	

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Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
7803	2	75.6	0	16.6	13.7	6.9	
7804	2	75	0	10.9	7.4	8.3	
7805	1	49.5	0	20.6	12.8	6.6	
7806	1	49.5	0	20.3	12.3	6.7	
7807	3	95.6	0	4.5	8.4	8.9	
7808	2	78.7	0	6.5	6.6	8.9	
7809	1	73.4	0	19.8	17.3	6.1	
7901	2	73.4	0	15.8	17.4	6.6	
7902	2	75.3	0	17.4	6.7	7.6	
7903	2	75.6	0	17.9	13.5	6.8	
7904	2	75	0	11.9	7.4	8.2	
7905	1	49.5	0	21.9	13.4	6.3	
7906	1	49.5	0	21.6	11.8	6.6	
7907	3	95.6	0	4.9	8.8	8.8	
7908	2	78.7	0	6.7	6.7	8.8	
7909	1	73.4	0	20.7	16.9	6.1	
71001	2	73.4	0	17	16.9	6.5	
71002	2	75.3	0	18.5	6.3	7.5	
71003	2	75.6	0	19.6	9.6	7.1	
71004	2	75	0	12.9	8.2	7.9	
71005	1	49.5	0	23.7	13.2	6.1	
71006	1	49.5	0	23.4	12.7	6.2	
71007	3	95.6	0	5.1	8.4	8.8	
71008	2	78.7	0	7.8	6	8.8	
71009	1	73.4	0	16.1	14.3	6.9	Glazing upgrade 1
71101	2	73.4	0	16.3	18.6	6.4	
71102	2	75.3	0	18	8.8	7.3	
71103	2	75.6	0	21.4	11.2	6.7	
71104	2	75	0	12.6	9.8	7.8	
71105	1	49.5	0	18.5	12.3	6.9	Glazing upgrade 1
71106	1	49.5	0	18.5	12	6.9	Glazing upgrade 1
71107	3	95.6	0	8.2	9.3	8.3	

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Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
71108	2	78.7	0	10.2	8.2	8.3	
71109	2	73.4	0	17.7	14.8	6.7	Glazing upgrade 1
71201	2	73.4	0	19	16.7	6.3	
71202	2	75.3	0	21.5	6.5	7.2	
71203	2	75.6	0	23.6	12.1	6.3	
71204	2	75	0	15.7	7.8	7.7	
71205	1	49.5	0	19.7	11.3	6.9	Glazing upgrade 1
71206	1	49.5	0	19.2	10.6	7	Glazing upgrade 1
71207	3	95.6	0	6.3	8.6	8.6	
71208	2	78.7	0	9.5	6.1	8.5	
71209	2	73.4	0	20.2	13.7	6.5	Glazing upgrade 1
71301	2	73.4	0	18.9	16.3	6.3	
71302	2	75.3	0	21.2	6.1	7.3	
71303	2	75.6	0	24.3	12.1	6.2	
71304	2	75	0	16	7.7	7.7	
71305	1	49.5	0	20.6	10.2	6.9	Glazing upgrade 1
71306	1	49.5	0	20.1	10.1	6.9	Glazing upgrade 1
71307	3	95.6	0	7.3	8.6	8.5	
71308	2	78.7	0	9.5	6.2	8.5	
71309	2	73.4	0	20	13.5	6.6	Glazing upgrade 1
71401	2	73.4	0	16.5	16.8	6.6	
71402	2	75.3	0	20	6.2	7.4	
71403	2	75.6	0	23.6	10.1	6.5	
71404	2	75	0	15.5	8.8	7.6	
71405	1	49.5	0	20.2	10.9	6.9	Glazing upgrade 1
71406	1	49.5	0	19.6	10.8	6.9	Glazing upgrade 1
71407	3	95.6	0	7.4	8	8.6	
71408	2	78.7	0	9.5	6.1	8.6	
71409	2	73.4	0	19.3	13.8	6.6	Glazing upgrade 1
71501	2	73.4	0	13.6	16.1	7	
71502	2	75.3	0	20.4	6.1	7.4	
71503	2	75.6	0	25.5	9.2	6.4	

Crescent Parklands
Stage C: Buildings 6 and 7

Certificate #HR-F7E3KY-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
71504	2	75	0	16.5	8.6	7.4	
71505	1	49.5	0	21	10.2	6.8	Glazing upgrade 1
71506	1	49.5	0	20.5	10	6.9	Glazing upgrade 1
71507	3	95.6	0	8	7.7	8.5	
71508	2	78.7	0	9.7	6.2	8.5	
71509	2	73.4	0	19.6	13.9	6.6	Glazing upgrade 1
71601	2	73.4	0	11.2	16.3	7.2	
71602	2	75.3	0	19.9	6.2	7.4	
71603	2	75.6	0	18.8	13.4	6.7	Glazing upgrade 1
71604	2	75	0	16.2	7.5	7.7	
71605	1	49.5	0	20.6	10.7	6.8	Glazing upgrade 1
71606	1	49.5	0	20	10.4	6.9	Glazing upgrade 1
71607	3	95.6	0	6.3	8.7	8.6	
71608	2	78.7	0	9.6	6.2	8.5	
71609	2	73.4	0	18	13.9	6.8	Glazing upgrade 1
71701	2	73.4	0	10.3	15.9	7.4	
71702	2	75.3	0	20.6	5.9	7.3	
71703	2	75.6	0	25.1	11.8	6.1	
71704	2	75	0	16.8	8	7.5	
71705	1	49.5	0	21.3	10	6.8	Glazing upgrade 1
71706	1	49.5	0	20.9	9.9	6.9	Glazing upgrade 1
71707	3	95.6	0	7.7	8	8.5	
71708	2	78.7	0	9.5	6	8.6	
71709	2	73.4	0	20.8	17.1	6	
71801	2	73.4	0	9.8	16.7	7.4	
71802	2	75.3	0	20.2	6.1	7.4	
71803	2	75.6	0	24.4	9.6	6.4	
71804	2	75	0	16.3	8.5	7.5	
71805	1	49.5	0	20.9	10.7	6.8	Glazing upgrade 1
71806	1	49.5	0	20.4	10.5	6.9	Glazing upgrade 1
71807	3	95.6	0	8	7.7	8.5	
71808	2	78.7	0	9.5	6.2	8.5	

Crescent Parklands
Stage C: Buildings 6 and 7

Certificate #HR-F7E3KY-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
71809	2	73.4	0	14	16.9	6.9	
71901	2	73.4	0	9.2	16.1	7.4	
71902	2	75.3	0	20.9	5.9	7.3	
71903	2	75.6	0	26.1	9.3	6.3	
71904	2	75	0	17.1	8.2	7.4	
71905	1	49.5	0	21.6	9.9	6.8	Glazing upgrade 1
71906	1	49.5	0	21.1	10	6.9	Glazing upgrade 1
71907	3	95.6	0	8.4	7.6	8.5	
71908	2	78.7	0	9.1	6.1	8.6	
71909	2	73.4	0	11.3	16.6	7.2	
72001	2	73.4	0	8.8	16.6	7.4	
72002	2	75.3	0	20.4	6.1	7.4	
72003	2	75.6	0	19.3	13.1	6.7	Glazing upgrade 1
72004	2	75	0	16.8	7.9	7.5	
72005	1	49.5	0	21.2	10.7	6.8	Glazing upgrade 1
72006	1	49.5	0	20.6	10.6	6.8	Glazing upgrade 1
72007	3	95.6	0	6.7	8.6	8.6	
72008	2	78.7	0	8.8	5.9	8.7	
72009	2	73.4	0	8.9	17.7	7.3	
72101	2	73.4	0	9.1	16.2	7.4	
72102	2	75.3	0	21	6	7.3	
72103	2	75.6	0	25.8	11.6	6.1	
72104	2	75	0	17	7.9	7.5	
72105	1	49.5	0	21.7	9.9	6.8	Glazing upgrade 1
72106	1	49.5	0	21.3	10	6.8	Glazing upgrade 1
72107	3	95.6	0	7.8	8	8.5	
72108	2	78.7	0	7.6	6.3	8.8	
72109	2	73.4	0	8.8	17.4	7.4	
72201	2	73.4	0	14.5	17.8	6.7	
72202	2	75.3	0	26.8	8.9	6.3	
72203	2	75.6	0	26.3	10	6.2	Glazing upgrade 1
72204	2	75	0	21.2	9.2	6.9	

Certificate #HR-F7E3KY-01

Accreditation # HERA10213

Thermal performance specifications

Unit Number	Number of Bedrooms	Floor area (m ²)		Predicted loads (MJ/m ² /y)		Star Rating	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)		
72205	1	49.5	0	24.8	12.5	6.1	Glazing upgrade 1, R4.5 ceiling insulation and R2.5 insulation to external walls
72206	1	49.5	0	25.1	12	6.1	Glazing upgrade 1 and R4.5 ceiling insulation
72207	3	95.6	0	17	9	7.4	
72208	2	78.7	0	14	8.3	7.8	
72209	2	73.4	0	15.4	18.5	6.5	

Nationwide House Energy Rating Scheme® Class 2 Summary

NatHERS® Certificate No. #HR-F7E3KY-01

Generated on 25 Sep 2025 using Hero 4.1

Property

Address 1 Crescent Street, Holroyd, NSW, 2142

Lot/DP

NatHERS climate zone 56 - Mascot AMO

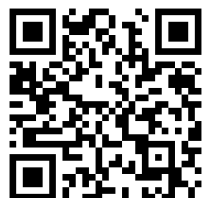


Accredited assessor

Name Haylea Edwards
Business name Efficient Living Pty Ltd
Email haylea@efficientliving.com.au
Phone +61 9970 6181
Accreditation No. 10213
Assessor Accrediting Organisation HERA

Verification

To verify this certificate,
scan the QR code or visit
<http://www.hero-software.com.au/pdf/HR-F7E3KY-01>.
When using either link,
ensure you are visiting
<http://www.hero-software.com.au>



National Construction Code (NCC) requirements

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

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

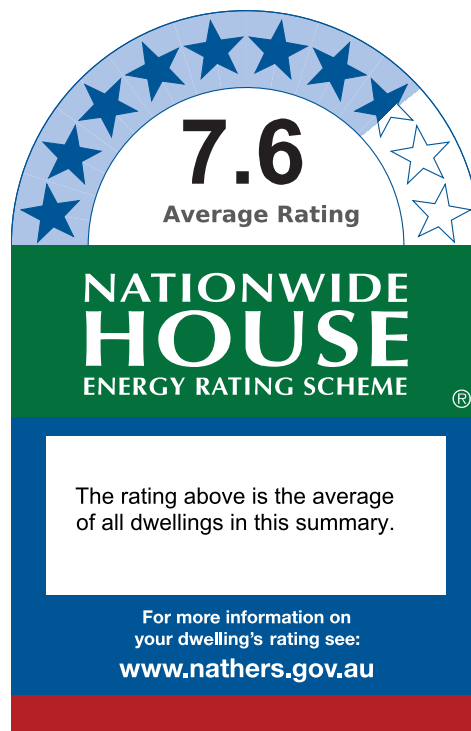
The NCC, and associated ABCB Standards and support material, can be accessed at www.abcb.gov.au.

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

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m².yr)	Cooling load (load limit) (MJ/m².yr)	Total load (MJ/m².yr)	Star Rating	Whole of Home Rating
HR-CFUR5A-01	6001	12.2 (34)	19.1 (21)	31.2	6.8	n/a
HR-RZ37V4-01	6002	0.7 (34)	17.7 (21)	18.4	8.3	n/a
HR-RFW7ZF-01	6003	0.4 (34)	21.0 (21)	21.4	7.9	n/a

Thermal performance Star rating



NCC heating and cooling maximum loads MJ/m².yr

Limits taken from ABCB Standard 2022

	Heating	Cooling
Average load	15.0	9.2
Maximum load	33.9	21.0
Average limit	28.1	20.0
Maximum limit	34.4	21.4

Whole of Home performance rating

No Whole of Home performance rating generated for this certificate or not completed for all dwellings.

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-FZ4US3-01	6004	0.4 (34)	18.5 (21)	18.9	8.2	n/a
HR-UFH7EJ-01	6005	1.0 (34)	19.1 (21)	20.1	8.1	n/a
HR-VJIP3N-01	6006	11.4 (34)	10.7 (21)	22.0	7.9	n/a
HR-CXZ94E-01	61001	31.3 (34)	6.2 (21)	37.5	6.1	n/a
HR-1DBWA2-01	61002	24.2 (34)	7.7 (21)	31.8	6.8	n/a
HR-63ELLT-01	61003	15.4 (34)	18.6 (21)	34.0	6.5	n/a
HR-WB2N9X-01	61004	4.9 (34)	7.9 (21)	12.8	8.9	n/a
HR-W72T9W-01	61005	8.7 (34)	8.2 (21)	16.9	8.4	n/a
HR-2DRRX6-01	61006	9.7 (34)	7.7 (21)	17.4	8.4	n/a
HR-HC0IAZ-01	61007	4.0 (34)	8.7 (21)	12.7	8.9	n/a
HR-WQB6DH-01	61008	12.8 (34)	11.2 (21)	24.0	7.6	n/a
HR-2PZE9M-01	61009	26.3 (34)	6.1 (21)	32.4	6.7	n/a
HR-4LYWW3-01	61010	29.1 (34)	6.6 (21)	35.7	6.3	n/a
HR-FJORUU-01	61101	32.5 (34)	4.3 (21)	36.8	6.1	n/a
HR-OYO9QL-01	61102	30.0 (34)	6.1 (21)	36.1	6.2	n/a
HR-55HBXU-01	61103	11.6 (34)	14.4 (21)	26.1	7.4	n/a
HR-QDZ80P-01	61104	2.7 (34)	5.3 (21)	8.0	9.7	n/a
HR-NG7WWF-01	61105	5.7 (34)	4.9 (21)	10.6	9.2	n/a
HR-Q0BET3-01	61106	6.2 (34)	5.5 (21)	11.6	9.1	n/a
HR-AO78QD-01	61107	2.3 (34)	6.0 (21)	8.3	9.6	n/a
HR-07A83P-01	61108	8.8 (34)	7.6 (21)	16.5	8.4	n/a
HR-U0KDP0-01	61109	26.4 (34)	4.2 (21)	30.6	6.9	n/a
HR-ZI4G59-01	61110	32.5 (34)	4.3 (21)	36.8	6.1	n/a
HR-D3U9GH-01	61201	32.7 (34)	4.2 (21)	36.9	6.1	n/a
HR-43OZUF-01	61202	30.1 (34)	6.1 (21)	36.1	6.2	n/a
HR-JKYEW2-01	61203	11.6 (34)	14.4 (21)	25.9	7.4	n/a
HR-LC2IT0-01	61204	2.8 (34)	5.1 (21)	7.9	9.7	n/a
HR-XWEGK6-01	61205	5.7 (34)	4.6 (21)	10.4	9.3	n/a
HR-4G9NPF-01	61206	6.1 (34)	5.2 (21)	11.3	9.1	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-BDNKCG-01	61207	2.4 (34)	5.9 (21)	8.3	9.6	n/a
HR-D117FX-01	61208	8.8 (34)	7.7 (21)	16.5	8.4	n/a
HR-A65R53-01	61209	26.4 (34)	4.0 (21)	30.4	6.9	n/a
HR-RO6SQT-01	61210	32.7 (34)	4.3 (21)	36.9	6.1	n/a
HR-0F4QO2-01	61301	32.8 (34)	4.3 (21)	37.1	6.1	n/a
HR-OGWE0M-01	61302	30.2 (34)	6.1 (21)	36.3	6.2	n/a
HR-3EXG3R-01	61303	11.7 (34)	14.3 (21)	26.0	7.4	n/a
HR-KTQIWY-01	61304	2.8 (34)	5.1 (21)	7.9	9.7	n/a
HR-P593AR-01	61305	5.8 (34)	4.6 (21)	10.4	9.3	n/a
HR-ZBPD4-01	61306	6.2 (34)	5.0 (21)	11.2	9.1	n/a
HR-ZRHXDO-01	61307	2.4 (34)	5.9 (21)	8.3	9.6	n/a
HR-IHI706-01	61308	8.8 (34)	8.3 (21)	17.0	8.4	n/a
HR-30JF2J-01	61309	26.4 (34)	4.2 (21)	30.6	6.9	n/a
HR-DTXBRG-01	61310	32.8 (34)	4.3 (21)	37.1	6.1	n/a
HR-EIB2JN-01	61401	33.1 (34)	4.2 (21)	37.4	6.1	n/a
HR-S2TWFF-01	61402	30.6 (34)	6.1 (21)	36.7	6.2	n/a
HR-4UIMDJ-01	61403	11.8 (34)	14.4 (21)	26.2	7.4	n/a
HR-LJLENM-01	61404	2.9 (34)	5.0 (21)	7.9	9.7	n/a
HR-Z9PDNY-01	61405	6.0 (34)	4.4 (21)	10.4	9.3	n/a
HR-KQZG01-01	61406	6.4 (34)	5.1 (21)	11.5	9.1	n/a
HR-H4HVTF-01	61407	2.5 (34)	5.9 (21)	8.4	9.6	n/a
HR-IQEBC2-01	61408	8.9 (34)	8.7 (21)	17.6	8.3	n/a
HR-DV57XW-01	61409	26.6 (34)	4.3 (21)	30.8	6.9	n/a
HR-4D7QGX-01	61410	33.1 (34)	4.3 (21)	37.4	6.1	n/a
HR-L6XZOC-01	614501	33.3 (34)	4.2 (21)	37.5	6.1	n/a
HR-PPW8HW-01	61502	30.7 (34)	6.1 (21)	36.8	6.2	n/a
HR-7BVU5S-01	61503	12.0 (34)	14.8 (21)	26.8	7.3	n/a
HR-I8GPQD-01	61504	3.0 (34)	5.0 (21)	8.0	9.7	n/a
HR-D39M6Q-01	61505	6.0 (34)	4.6 (21)	10.6	9.2	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-WWEHKK-01	61506	6.5 (34)	5.1 (21)	11.5	9.1	n/a
HR-G8K4WJ-01	61507	2.5 (34)	5.9 (21)	8.4	9.6	n/a
HR-A2ECS7-01	61508	8.9 (34)	9.5 (21)	18.4	8.3	n/a
HR-ZUQBIP-01	61509	26.5 (34)	4.5 (21)	31.0	6.9	n/a
HR-JV9TCD-01	61510	33.3 (34)	4.2 (21)	37.5	6.1	n/a
HR-Q64C44-01	61601	33.2 (34)	4.2 (21)	37.4	6.1	n/a
HR-RUPKII-01	61602	30.7 (34)	6.1 (21)	36.8	6.1	n/a
HR-D4GU1T-01	61603	12.0 (34)	14.7 (21)	26.7	7.3	n/a
HR-2DYYXV-01	61604	3.0 (34)	5.1 (21)	8.1	9.7	n/a
HR-H9MPLK-01	61605	5.9 (34)	4.5 (21)	10.5	9.3	n/a
HR-Y2P29J-01	61606	6.6 (34)	5.0 (21)	11.6	9.1	n/a
HR-9JXZAO-01	61607	2.6 (34)	5.9 (21)	8.4	9.6	n/a
HR-YB1E95-01	61608	8.8 (34)	11.2 (21)	20.0	8.1	n/a
HR-183U5I-01	61609	26.1 (34)	4.7 (21)	30.9	6.9	n/a
HR-NTWP18-01	61610	33.2 (34)	4.3 (21)	37.5	6.1	n/a
HR-026LN8-01	61701	30.4 (34)	5.7 (21)	36.0	6.2	n/a
HR-3CWSPL-01	61702	24.9 (34)	8.0 (21)	32.9	6.6	n/a
HR-FK1Y8U-01	61703	16.6 (34)	17.6 (21)	34.2	6.4	n/a
HR-I8Y9TL-01	61704	5.4 (34)	8.0 (21)	13.4	8.8	n/a
HR-9J5OT8-01	61705	10.2 (34)	7.4 (21)	17.6	8.3	n/a
HR-57GXA4-01	61706	10.7 (34)	7.7 (21)	18.4	8.3	n/a
HR-4B0BFU-01	61707	4.6 (34)	8.7 (21)	13.3	8.8	n/a
HR-VEKUXY-01	61708	13.1 (34)	16.4 (21)	29.5	7.1	n/a
HR-7DYYHK-01	61709	25.5 (34)	7.2 (21)	32.7	6.7	n/a
HR-JZJP0C-01	61710	30.4 (34)	6.9 (21)	37.3	6.1	n/a
HR-CJ8U92-01	61801	31.3 (33)	3.9 (20)	35.2	6.3	n/a
HR-R8F802-01	61802	28.3 (33)	6.2 (20)	34.5	6.4	n/a
HR-L01N0C-01	61803	12.5 (33)	13.6 (20)	26.1	7.4	n/a
HR-8QBX1A-01	61804	3.2 (33)	4.9 (20)	8.1	9.7	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-7E4HVP-01	61805	6.5 (33)	4.3 (20)	10.8	9.2	n/a
HR-UAHOU8-01	61806	6.9 (33)	4.6 (20)	11.5	9.1	n/a
HR-B8Q6AZ-01	61807	2.7 (33)	5.3 (20)	8.1	9.7	n/a
HR-B24YRH-01	61808	8.8 (33)	13.2 (20)	22.0	7.9	n/a
HR-G7OGBW-01	61809	27.9 (33)	5.8 (20)	33.7	6.5	n/a
HR-1VSGDM-01	61810	31.3 (33)	3.8 (20)	35.1	6.4	n/a
HR-H9CR1H-01	61901	31.3 (33)	3.9 (20)	35.1	6.4	n/a
HR-QAD8K6-01	61902	28.2 (33)	6.3 (20)	34.5	6.4	n/a
HR-JO5MY0-01	61903	12.4 (33)	13.6 (20)	25.9	7.4	n/a
HR-ARK30D-01	61904	3.1 (33)	4.7 (20)	7.8	9.7	n/a
HR-88SYVK-01	61905	6.4 (33)	4.4 (20)	10.7	9.2	n/a
HR-BOVLH8-01	61906	6.8 (33)	4.8 (20)	11.6	9.1	n/a
HR-5WZJ1S-01	61907	2.7 (33)	5.3 (20)	8.0	9.7	n/a
HR-XWO7IN-01	61908	8.4 (33)	14.1 (20)	22.5	7.8	n/a
HR-QTRU51-01	61909	24.9 (33)	6.3 (20)	31.2	6.9	n/a
HR-Q725EV-01	61910	31.3 (33)	3.9 (20)	35.1	6.4	n/a
HR-V7NOYC-01	62001	31.4 (33)	4.3 (20)	35.7	6.3	n/a
HR-L23O96-01	62002	28.2 (33)	6.7 (20)	34.9	6.4	n/a
HR-AWTEV1-01	62003	12.5 (33)	14.1 (20)	26.6	7.3	n/a
HR-1A3VPU-01	62004	3.1 (33)	5.1 (20)	8.3	9.6	n/a
HR-GLGIKU-01	62005	8.1 (33)	5.2 (20)	13.2	8.8	n/a
HR-9YUX89-01	62006	6.8 (33)	5.3 (20)	12.1	8.9	n/a
HR-5XEU96-01	62007	2.7 (33)	6.0 (20)	8.7	9.6	n/a
HR-0HYSYW-01	62008	8.2 (33)	15.5 (20)	23.7	7.7	n/a
HR-OPSXL6-01	62009	23.7 (33)	6.9 (20)	30.7	6.9	n/a
HR-OP58XR-01	6201	9.3 (34)	18.7 (21)	28.0	7.2	n/a
HR-JSJHCC-01	62010	31.2 (33)	4.4 (20)	35.6	6.3	n/a
HR-Q0OTIS-01	6202	0.5 (34)	5.6 (21)	6.1	9.9	n/a
HR-XZG0G4-01	6203	2.1 (34)	5.4 (21)	7.4	9.8	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-IBLV8U-01	6204	2.2 (34)	6.2 (21)	8.5	9.6	n/a
HR-UDXFQG-01	6205	0.5 (34)	7.2 (21)	7.6	9.7	n/a
HR-75L2JC-01	6206	13.9 (34)	8.9 (21)	22.8	7.8	n/a
HR-ABDFEV-01	62101	32.3 (33)	4.0 (20)	36.3	6.2	n/a
HR-E8EQLO-01	62102	29.1 (33)	7.8 (20)	36.9	6.1	n/a
HR-PLM3HR-01	62103	18.8 (33)	14.2 (20)	33.1	6.6	n/a
HR-38L0GL-01	62104	10.3 (33)	7.2 (20)	17.5	8.4	n/a
HR-EMRNK3-01	62105	17.6 (33)	7.2 (20)	24.8	7.5	n/a
HR-YYWQI8-01	62106	6.6 (33)	5.7 (20)	12.3	8.9	n/a
HR-VOTMID-01	62107	2.8 (33)	6.0 (20)	8.7	9.5	n/a
HR-ITIGFI-01	62108	8.4 (33)	15.7 (20)	24.1	7.6	n/a
HR-V2O8T9-01	62109	23.6 (33)	6.8 (20)	30.4	6.9	n/a
HR-WS85HJ-01	62110	30.4 (33)	4.9 (20)	35.3	6.3	n/a
HR-U4SHQH-01	62201	15.4 (33)	9.4 (20)	24.9	7.5	n/a
HR-SKQ4IZ-01	62202	9.0 (33)	8.1 (20)	17.1	8.4	n/a
HR-W2I2ZD-01	62203	17.0 (33)	17.5 (20)	34.4	6.4	n/a
HR-ARTWND-01	62204	27.4 (33)	8.0 (20)	35.4	6.3	n/a
HR-91BWGZ-01	62205	32.8 (33)	4.9 (20)	37.7	6.0	n/a
HR-DPFY7A-01	6301	14.6 (34)	16.5 (21)	31.1	6.9	n/a
HR-CKNDOJ-01	6302	1.1 (34)	5.4 (21)	6.4	9.9	n/a
HR-4G26OO-01	6303	3.4 (34)	5.2 (21)	8.6	9.6	n/a
HR-X48AJD-01	6304	3.7 (34)	5.6 (21)	9.3	9.4	n/a
HR-8A4ESQ-01	6305	1.0 (34)	6.8 (21)	7.8	9.7	n/a
HR-4EBKAA-01	6306	14.1 (34)	7.8 (21)	21.9	7.9	n/a
HR-HMFMJL-01	6401	33.9 (34)	3.6 (21)	37.4	6.1	n/a
HR-RCOC5D-01	6402	28.6 (34)	5.0 (21)	33.7	6.5	n/a
HR-EM8XFQ-01	6403	8.9 (34)	16.5 (21)	25.4	7.4	n/a
HR-SGD3N9-01	6404	1.2 (34)	5.3 (21)	6.6	9.9	n/a
HR-3DIJDI-01	6405	3.7 (34)	5.1 (21)	8.8	9.5	n/a

Summary of all dwellings

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HR-39ZOH1-01	6406	3.9 (34)	5.7 (21)	9.6	9.4	n/a
HR-UHTAKD-01	6407	1.1 (34)	5.9 (21)	7.0	9.8	n/a
HR-1B4CA8-01	6408	5.8 (34)	8.6 (21)	14.4	8.7	n/a
HR-TLIACB-01	6409	29.5 (34)	4.1 (21)	33.6	6.6	n/a
HR-Y88UPQ-01	6410	32.5 (34)	2.9 (21)	35.5	6.3	n/a
HR-WHR8ZG-01	6501	28.2 (34)	4.6 (21)	32.8	6.6	n/a
HR-CCHEYR-01	6502	31.6 (34)	6.0 (21)	37.6	6.0	n/a
HR-GBJOJX-01	6503	9.1 (34)	16.6 (21)	25.7	7.4	n/a
HR-18ZTPZ-01	6504	1.4 (34)	5.4 (21)	6.8	9.9	n/a
HR-8NBRRN-01	6505	3.8 (34)	5.0 (21)	8.8	9.5	n/a
HR-24MR1U-01	6506	4.1 (34)	5.8 (21)	9.9	9.3	n/a
HR-HERCTV-01	6507	1.2 (34)	6.3 (21)	7.4	9.8	n/a
HR-9UBL6N-01	6508	6.4 (34)	8.9 (21)	15.3	8.6	n/a
HR-710XW2-01	6509	28.4 (34)	4.8 (21)	33.1	6.6	n/a
HR-GG8QHS-01	6510	28.0 (34)	4.4 (21)	32.4	6.7	n/a
HR-HYOT01-01	6601	28.8 (34)	4.7 (21)	33.5	6.6	n/a
HR-DS9ZLP-01	6602	25.7 (34)	6.2 (21)	32.0	6.8	n/a
HR-7QRUTE-01	6603	8.9 (34)	17.6 (21)	26.5	7.3	n/a
HR-V8OW20-01	6604	1.5 (34)	5.3 (21)	6.9	9.9	n/a
HR-0C5USA-01	6605	4.0 (34)	5.1 (21)	9.1	9.4	n/a
HR-AGNG6T-01	6606	4.4 (34)	5.7 (21)	10.1	9.3	n/a
HR-VAX09E-01	6607	1.2 (34)	6.2 (21)	7.4	9.8	n/a
HR-C5EDDI-01	6608	6.6 (34)	8.6 (21)	15.2	8.6	n/a
HR-MJ1X7X-01	6609	29.0 (34)	4.8 (21)	33.8	6.5	n/a
HR-B792JX-01	6610	28.8 (34)	4.5 (21)	33.3	6.6	n/a
HR-5XU7SZ-01	6701	29.2 (34)	4.6 (21)	33.8	6.5	n/a
HR-2PSZC2-01	6702	26.1 (34)	6.1 (21)	32.2	6.7	n/a
HR-0S98NE-01	6703	9.3 (34)	17.2 (21)	26.4	7.4	n/a
HR-JYIXDI-01	6704	1.6 (34)	5.2 (21)	6.8	9.9	n/a

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HR-KJLG1I-01	6705	4.2 (34)	5.1 (21)	9.2	9.4	n/a
HR-03CW7Z-01	6706	4.5 (34)	5.6 (21)	10.1	9.3	n/a
HR-5E71E5-01	6707	1.3 (34)	6.1 (21)	7.4	9.8	n/a
HR-G0UHW-01	6708	6.7 (34)	8.5 (21)	15.3	8.6	n/a
HR-4NCF61-01	6709	29.4 (34)	4.8 (21)	34.2	6.4	n/a
HR-9OH0RW-01	6710	29.1 (34)	4.6 (21)	33.7	6.5	n/a
HR-0JI3R5-01	6801	29.7 (34)	4.6 (21)	34.3	6.4	n/a
HR-TOKCPA-01	6802	27.0 (34)	6.2 (21)	33.2	6.6	n/a
HR-WHET0R-01	6803	9.4 (34)	16.7 (21)	26.1	7.4	n/a
HR-XQOBKO-01	6804	1.8 (34)	5.2 (21)	7.0	9.8	n/a
HR-HZIXT9-01	6805	4.3 (34)	5.1 (21)	9.4	9.4	n/a
HR-QQVO90-01	6806	4.7 (34)	5.5 (21)	10.2	9.3	n/a
HR-8HD3PZ-01	6807	1.4 (34)	6.2 (21)	7.6	9.7	n/a
HR-PVL4GW-01	6808	7.0 (34)	8.4 (21)	15.4	8.6	n/a
HR-7IP8R5-01	6809	29.9 (34)	4.7 (21)	34.7	6.4	n/a
HR-G7PZRK-01	6810	29.7 (34)	4.5 (21)	34.2	6.4	n/a
HR-DNIWN5-01	6901	29.8 (34)	4.6 (21)	34.4	6.4	n/a
HR-CCDHVT-01	6902	26.9 (34)	6.3 (21)	33.2	6.6	n/a
HR-S5DWXJ-01	6903	9.6 (34)	16.8 (21)	26.4	7.4	n/a
HR-THJVJS-01	6904	1.9 (34)	5.2 (21)	7.1	9.8	n/a
HR-TLKJ8Z-01	6905	4.4 (34)	5.1 (21)	9.5	9.4	n/a
HR-XQ8SWT-01	6906	4.9 (34)	5.5 (21)	10.4	9.3	n/a
HR-BBQDDV-01	6907	1.5 (34)	6.2 (21)	7.7	9.7	n/a
HR-U79R09-01	6908	7.2 (34)	8.6 (21)	15.8	8.5	n/a
HR-6QVV7D-01	6909	30.1 (34)	4.8 (21)	34.9	6.4	n/a
HR-XJLBAG-01	6910	29.7 (34)	4.5 (21)	34.2	6.4	n/a
HR-2MNZD3-01	7001	14.3 (34)	17.1 (21)	31.5	6.8	n/a
HR-0T1KMY-01	7002	11.2 (34)	11.0 (21)	22.2	7.8	n/a
HR-TVMZ2U-01	7003	14.1 (34)	21.0 (21)	35.1	6.4	n/a

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HR-SXCUGZ-01	7004	11.3 (34)	20.5 (21)	31.7	6.8	n/a
HR-LLXC91-01	7005	2.4 (34)	9.4 (21)	11.8	9.0	n/a
HR-WOCK44-01	71001	17.0 (34)	16.9 (21)	33.8	6.5	n/a
HR-6D0RPN-01	71002	18.5 (34)	6.3 (21)	24.8	7.5	n/a
HR-AWMGSZ-01	71003	19.6 (34)	9.6 (21)	29.2	7.1	n/a
HR-L3N2QL-01	71004	12.9 (34)	8.2 (21)	21.0	7.9	n/a
HR-ON3OO7-01	71005	23.7 (34)	13.2 (21)	36.9	6.1	n/a
HR-DKTBIZ-01	71006	23.4 (34)	12.7 (21)	36.1	6.2	n/a
HR-G9EZR2-01	71007	5.1 (34)	8.4 (21)	13.5	8.8	n/a
HR-GO8D8R-01	71008	7.8 (34)	6.0 (21)	13.8	8.8	n/a
HR-ZLBCNV-01	71009	16.1 (34)	14.3 (21)	30.4	6.9	n/a
HR-M587VY-01	7101	17.8 (34)	11.8 (21)	29.6	7.0	n/a
HR-UVZW8U-01	7102	16.7 (34)	8.9 (21)	25.6	7.4	n/a
HR-VAJ39A-01	7103	11.6 (34)	20.6 (21)	32.2	6.7	n/a
HR-O55UAQ-01	7104	8.5 (34)	9.3 (21)	17.7	8.3	n/a
HR-T8LU77-01	7105	2.0 (34)	10.8 (21)	12.8	8.9	n/a
HR-W6YJ1Q-01	71101	16.3 (34)	18.6 (21)	34.9	6.4	n/a
HR-RCERGV-01	71102	18.0 (34)	8.8 (21)	26.7	7.3	n/a
HR-QE2AUP-01	71103	21.4 (34)	11.2 (21)	32.5	6.7	n/a
HR-VNH6DT-01	71104	12.6 (34)	9.8 (21)	22.4	7.8	n/a
HR-ORLW2Q-01	71105	18.5 (34)	12.3 (21)	30.8	6.9	n/a
HR-8QWD8F-01	71106	18.5 (34)	12.0 (21)	30.4	6.9	n/a
HR-P2231P-01	71107	8.2 (34)	9.3 (21)	17.5	8.3	n/a
HR-ZAMC2N-01	71108	10.2 (34)	8.2 (21)	18.4	8.3	n/a
HR-MN3FU3-01	71109	17.7 (34)	14.8 (21)	32.5	6.7	n/a
HR-ZXDBGR-01	71201	19.0 (34)	16.7 (21)	35.7	6.3	n/a
HR-6623KJ-01	71202	21.5 (34)	6.5 (21)	28.0	7.2	n/a
HR-EISNYI-01	71203	23.6 (34)	12.1 (21)	35.7	6.3	n/a
HR-9RXV1V-01	71204	15.7 (34)	7.8 (21)	23.5	7.7	n/a

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HR-DCLP42-01	71205	19.7 (34)	11.3 (21)	31.0	6.9	n/a
HR-KP48O3-01	71206	19.2 (34)	10.6 (21)	29.8	7.0	n/a
HR-7M5D5N-01	71207	6.3 (34)	8.6 (21)	14.8	8.6	n/a
HR-SMK9KF-01	71208	9.5 (34)	6.1 (21)	15.7	8.5	n/a
HR-E34Y62-01	71209	20.2 (34)	13.7 (21)	33.9	6.5	n/a
HR-1PVB39-01	71301	18.9 (34)	16.3 (21)	35.2	6.3	n/a
HR-HXY3F4-01	71302	21.2 (34)	6.1 (21)	27.3	7.3	n/a
HR-4PX61M-01	71303	24.3 (34)	12.1 (21)	36.3	6.2	n/a
HR-WMUXD4-01	71304	16.0 (34)	7.7 (21)	23.8	7.7	n/a
HR-3PLFO6-01	71305	20.6 (34)	10.2 (21)	30.8	6.9	n/a
HR-HUXXB9-01	71306	20.1 (34)	10.1 (21)	30.2	6.9	n/a
HR-JFT12F-01	71307	7.3 (34)	8.6 (21)	15.9	8.5	n/a
HR-V2V2PW-01	71308	9.5 (34)	6.2 (21)	15.7	8.5	n/a
HR-PCW8PF-01	71309	20.0 (34)	13.5 (21)	33.5	6.6	n/a
HR-74OB81-01	71401	16.5 (34)	16.8 (21)	33.3	6.6	n/a
HR-H5J6FA-01	71402	20.0 (34)	6.2 (21)	26.2	7.4	n/a
HR-IGMLP3-01	71403	23.6 (34)	10.1 (21)	33.7	6.5	n/a
HR-67F6S5-01	71404	15.5 (34)	8.8 (21)	24.4	7.6	n/a
HR-UILQ7O-01	71405	20.2 (34)	10.9 (21)	31.1	6.9	n/a
HR-LUUXWZ-01	71406	19.6 (34)	10.8 (21)	30.5	6.9	n/a
HR-RACKYI-01	71407	7.4 (34)	8.0 (21)	15.4	8.6	n/a
HR-81DTPN-01	71408	9.5 (34)	6.1 (21)	15.5	8.6	n/a
HR-LBU0NH-01	71409	19.3 (34)	13.8 (21)	33.0	6.6	n/a
HR-9BHH5W-01	71501	13.6 (34)	16.1 (21)	29.7	7.0	n/a
HR-056FVF-01	71502	20.4 (34)	6.1 (21)	26.5	7.4	n/a
HR-H0UNOM-01	71503	25.5 (34)	9.2 (21)	34.7	6.4	n/a
HR-TISTVQ-01	71504	16.5 (34)	8.6 (21)	25.1	7.4	n/a
HR-AT21VS-01	71505	21.0 (34)	10.2 (21)	31.2	6.8	n/a
HR-2C6HA0-01	71506	20.5 (34)	10.0 (21)	30.5	6.9	n/a

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HR-C9ZU0S-01	71507	8.0 (34)	7.7 (21)	15.7	8.5	n/a
HR-AFO2OY-01	71508	9.7 (34)	6.2 (21)	15.9	8.5	n/a
HR-8H0J7B-01	71509	19.6 (34)	13.9 (21)	33.5	6.6	n/a
HR-QTWO76-01	71601	11.2 (34)	16.3 (21)	27.5	7.2	n/a
HR-VDXM8D-01	71602	19.9 (34)	6.2 (21)	26.1	7.4	n/a
HR-XKM1HC-01	71603	18.8 (34)	13.4 (21)	32.2	6.7	n/a
HR-PZKEP3-01	71604	16.2 (34)	7.5 (21)	23.8	7.7	n/a
HR-YQFH28-01	71605	20.6 (34)	10.7 (21)	31.3	6.8	n/a
HR-WY6J40-01	71606	20.0 (34)	10.4 (21)	30.4	6.9	n/a
HR-FZQ3SX-01	71607	6.3 (34)	8.7 (21)	15.0	8.6	n/a
HR-LSQ42V-01	71608	9.6 (34)	6.2 (21)	15.8	8.5	n/a
HR-95OTXU-01	71609	18.0 (34)	13.9 (21)	31.9	6.8	n/a
HR-6S6O74-01	71701	10.3 (34)	15.9 (21)	26.3	7.4	n/a
HR-3BL5YD-01	71702	20.6 (34)	5.9 (21)	26.6	7.3	n/a
HR-NXFZVL-01	71703	25.1 (34)	11.8 (21)	36.9	6.1	n/a
HR-IRQN12-01	71704	16.8 (34)	8.0 (21)	24.7	7.5	n/a
HR-7QWGUL-01	71705	21.3 (34)	10.0 (21)	31.3	6.8	n/a
HR-B96YF5-01	71706	20.9 (34)	9.9 (21)	30.8	6.9	n/a
HR-QIZWR8-01	71707	7.7 (34)	8.0 (21)	15.7	8.5	n/a
HR-1KP1HO-01	71708	9.5 (34)	6.0 (21)	15.6	8.6	n/a
HR-GM88XB-01	71709	20.8 (34)	17.1 (21)	37.9	6.0	n/a
HR-2FNWJX-01	71801	9.8 (34)	16.7 (21)	26.4	7.4	n/a
HR-RJOFN8-01	71802	20.2 (34)	6.1 (21)	26.3	7.4	n/a
HR-MC9M1E-01	71803	24.4 (34)	9.6 (21)	34.0	6.4	n/a
HR-57ZMSL-01	71804	16.3 (34)	8.5 (21)	24.8	7.5	n/a
HR-1ZNGIP-01	71805	20.9 (34)	10.7 (21)	31.6	6.8	n/a
HR-K31RWC-01	71806	20.4 (34)	10.5 (21)	30.9	6.9	n/a
HR-5U66BF-01	71807	8.0 (34)	7.7 (21)	15.6	8.5	n/a
HR-D9QPHS-01	71808	9.5 (34)	6.2 (21)	15.7	8.5	n/a

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HR-4MX6OQ-01	71809	14.0 (34)	16.9 (21)	30.9	6.9	n/a
HR-ZW37DU-01	71901	9.2 (34)	16.1 (21)	25.3	7.4	n/a
HR-22I3FU-01	71902	20.9 (34)	5.9 (21)	26.8	7.3	n/a
HR-4L8FQB-01	71903	26.1 (34)	9.3 (21)	35.4	6.3	n/a
HR-Z2RDJV-01	71904	17.1 (34)	8.2 (21)	25.3	7.4	n/a
HR-EUEBMT-01	71905	21.6 (34)	9.9 (21)	31.6	6.8	n/a
HR-TFW75Z-01	71906	21.1 (34)	10.0 (21)	31.0	6.9	n/a
HR-EXWGTX-01	71907	8.4 (34)	7.6 (21)	15.9	8.5	n/a
HR-2XT0CH-01	71908	9.1 (34)	6.1 (21)	15.2	8.6	n/a
HR-GN9XC8-01	71909	11.3 (34)	16.6 (21)	27.9	7.2	n/a
HR-UI0F3T-01	72001	8.8 (34)	16.6 (21)	25.5	7.4	n/a
HR-IKVGFN-01	72002	20.4 (34)	6.1 (21)	26.5	7.4	n/a
HR-CW6FK0-01	72003	19.3 (34)	13.1 (21)	32.5	6.7	n/a
HR-AGEQ3G-01	72004	16.8 (34)	7.9 (21)	24.7	7.5	n/a
HR-ECJYP9-01	72005	21.2 (34)	10.7 (21)	31.9	6.8	n/a
HR-S3GAKZ-01	72006	20.6 (34)	10.6 (21)	31.2	6.8	n/a
HR-CA24GA-01	72007	6.7 (34)	8.6 (21)	15.3	8.6	n/a
HR-8V72WA-01	72008	8.8 (34)	5.9 (21)	14.8	8.7	n/a
HR-FKWLLL-01	72009	8.9 (34)	17.7 (21)	26.6	7.3	n/a
HR-O1EHHW-01	7201	10.0 (34)	18.7 (21)	28.6	7.1	n/a
HR-EXRTIR-01	7202	8.6 (34)	10.1 (21)	18.6	8.2	n/a
HR-KUEDUT-01	7203	10.9 (34)	13.3 (21)	24.2	7.6	n/a
HR-NG9EPP-01	7204	6.4 (34)	13.2 (21)	19.6	8.1	n/a
HR-7CFGVC-01	7205	9.7 (34)	17.9 (21)	27.6	7.2	n/a
HR-8I0IZ7-01	7206	12.7 (34)	13.7 (21)	26.4	7.4	n/a
HR-OSD399-01	7207	1.9 (34)	10.8 (21)	12.7	8.9	n/a
HR-YGJVES-01	72101	9.1 (34)	16.2 (21)	25.3	7.4	n/a
HR-048EF5-01	72102	21.0 (34)	6.0 (21)	27.0	7.3	n/a
HR-WO46N1-01	72103	25.8 (34)	11.6 (21)	37.4	6.1	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-HAW1QX-01	72104	17.0 (34)	7.9 (21)	24.9	7.5	n/a
HR-L6DDBE-01	72105	21.7 (34)	9.9 (21)	31.6	6.8	n/a
HR-AEOI30-01	72106	21.3 (34)	10.0 (21)	31.3	6.8	n/a
HR-6MHXND-01	72107	7.8 (34)	8.0 (21)	15.9	8.5	n/a
HR-BKL5PC-01	72108	7.6 (34)	6.3 (21)	13.9	8.8	n/a
HR-69II9Y-01	72109	8.8 (34)	17.4 (21)	26.2	7.4	n/a
HR-0E9L6S-01	72201	14.5 (34)	17.8 (21)	32.3	6.7	n/a
HR-YOSRNB-01	72202	26.8 (34)	8.9 (21)	35.7	6.3	n/a
HR-YUP31K-01	72203	26.3 (34)	10.0 (21)	36.3	6.2	n/a
HR-ZG9DWW-01	72204	21.2 (34)	9.2 (21)	30.5	6.9	n/a
HR-15IULS-01	72205	24.8 (34)	12.5 (21)	37.3	6.1	n/a
HR-GUVY9U-01	72206	25.1 (34)	12.0 (21)	37.1	6.1	n/a
HR-5EIZS7-01	72207	17.0 (34)	9.0 (21)	26.0	7.4	n/a
HR-6YQI89-01	72208	14.0 (34)	8.3 (21)	22.3	7.8	n/a
HR-U8PE1X-01	72209	15.4 (34)	18.5 (21)	33.9	6.5	n/a
HR-W3FFBA-01	7301	5.4 (34)	19.2 (21)	24.6	7.6	n/a
HR-REZOGY-01	7302	9.3 (34)	9.5 (21)	18.8	8.2	n/a
HR-XI4CQZ-01	7303	12.2 (34)	12.2 (21)	24.4	7.6	n/a
HR-M20POF-01	7304	7.1 (34)	12.3 (21)	19.4	8.2	n/a
HR-9MMVFM-01	7305	14.4 (34)	20.0 (21)	34.4	6.4	n/a
HR-5V8K78-01	7306	14.2 (34)	13.8 (21)	28.0	7.2	n/a
HR-A54U12-01	7307	2.4 (34)	10.0 (21)	12.3	8.9	n/a
HR-QKMAYV-01	7401	13.8 (34)	19.1 (21)	32.9	6.6	n/a
HR-IQQNNG-01	7402	14.7 (34)	7.4 (21)	22.1	7.9	n/a
HR-W8CWVG-01	7403	14.7 (34)	15.0 (21)	29.7	7.0	n/a
HR-MAINA8-01	7404	9.4 (34)	6.9 (21)	16.3	8.4	n/a
HR-ZVO356-01	7405	18.2 (34)	13.9 (21)	32.1	6.7	n/a
HR-HN9799-01	7406	19.2 (34)	12.2 (21)	31.4	6.8	n/a
HR-WIMIEP-01	7407	3.3 (34)	8.5 (21)	11.8	9.0	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-TRTKGB-01	7408	13.0 (34)	5.5 (21)	18.5	8.3	n/a
HR-3TSQPS-01	7409	29.6 (34)	7.4 (21)	37.1	6.1	n/a
HR-SQ9YH5-01	7501	14.5 (34)	18.3 (21)	32.8	6.6	n/a
HR-G7E1GH-01	7502	15.9 (34)	6.7 (21)	22.6	7.8	n/a
HR-QDGXW5-01	7503	16.1 (34)	14.3 (21)	30.3	6.9	n/a
HR-41AIQM-01	7504	10.4 (34)	7.4 (21)	17.8	8.3	n/a
HR-WEL62B-01	7505	19.7 (34)	13.6 (21)	33.3	6.6	n/a
HR-ZW261I-01	7506	19.8 (34)	12.5 (21)	32.2	6.7	n/a
HR-N74Y8G-01	7507	4.2 (34)	8.5 (21)	12.6	8.9	n/a
HR-GLXF5R-01	7508	5.9 (34)	6.7 (21)	12.6	8.9	n/a
HR-J9JZ3J-01	7509	20.1 (34)	13.8 (21)	33.9	6.5	n/a
HR-WWPED7-01	7601	14.6 (34)	18.3 (21)	32.9	6.6	n/a
HR-FFGD5O-01	7602	15.8 (34)	7.3 (21)	23.0	7.7	n/a
HR-PP7CZZ-01	7603	16.3 (34)	10.1 (21)	26.4	7.4	n/a
HR-4P618U-01	7604	10.4 (34)	8.2 (21)	18.5	8.2	n/a
HR-GWWXWC-01	7605	17.1 (34)	13.5 (21)	30.6	6.9	n/a
HR-5QBRQB-01	7606	18.8 (34)	13.0 (21)	31.8	6.8	n/a
HR-J8Y5VN-01	7607	3.8 (34)	8.8 (21)	12.6	8.9	n/a
HR-VJLCTC-01	7608	6.1 (34)	6.5 (21)	12.6	8.9	n/a
HR-1JXT1Y-01	7609	19.1 (34)	17.5 (21)	36.6	6.2	n/a
HR-9SJ13E-01	7701	15.7 (34)	17.7 (21)	33.4	6.6	n/a
HR-0LGXPI-01	7702	16.8 (34)	6.7 (21)	23.5	7.7	n/a
HR-4I1046-01	7703	17.5 (34)	10.2 (21)	27.6	7.2	n/a
HR-KGCSRH-01	7704	11.5 (34)	9.0 (21)	20.5	8.0	n/a
HR-O4HQ8L-01	7705	20.9 (34)	13.3 (21)	34.2	6.4	n/a
HR-KY1DZX-01	7706	20.6 (34)	11.9 (21)	32.5	6.7	n/a
HR-YWMKPR-01	7707	4.8 (34)	8.4 (21)	13.2	8.8	n/a
HR-Z8QDDE-01	7708	6.3 (34)	6.7 (21)	13.1	8.9	n/a
HR-SVASLZ-01	7709	20.0 (34)	16.8 (21)	36.8	6.2	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-B4XT3A-01	7801	15.3 (34)	18.2 (21)	33.5	6.6	n/a
HR-5RE3HX-01	7802	16.4 (34)	7.2 (21)	23.6	7.7	n/a
HR-LZGQ66-01	7803	16.6 (34)	13.7 (21)	30.3	6.9	n/a
HR-6MLUEI-01	7804	10.9 (34)	7.4 (21)	18.4	8.3	n/a
HR-BWDTD7-01	7805	20.6 (34)	12.8 (21)	33.4	6.6	n/a
HR-4MXIQQ-01	7806	20.3 (34)	12.3 (21)	32.6	6.7	n/a
HR-7L9YH9-01	7807	4.5 (34)	8.4 (21)	12.9	8.9	n/a
HR-VI0NPW-01	7808	6.5 (34)	6.6 (21)	13.1	8.9	n/a
HR-Q0HCOU-01	7809	19.8 (34)	17.3 (21)	37.1	6.1	n/a
HR-Z9D8J9-01	7901	15.8 (34)	17.4 (21)	33.2	6.6	n/a
HR-1Y5CB9-01	7902	17.4 (34)	6.7 (21)	24.2	7.6	n/a
HR-9HFTF7-01	7903	17.9 (34)	13.5 (21)	31.3	6.8	n/a
HR-OKX99X-01	7904	11.9 (34)	7.4 (21)	19.3	8.2	n/a
HR-VEF21M-01	7905	21.9 (34)	13.4 (21)	35.3	6.3	n/a
HR-2MMKBY-01	7906	21.6 (34)	11.8 (21)	33.4	6.6	n/a
HR-T2ATZM-01	7907	4.9 (34)	8.8 (21)	13.7	8.8	n/a
HR-ODP6EY-01	7908	6.7 (34)	6.7 (21)	13.4	8.8	n/a
HR-GOJW1X-01	7909	20.7 (34)	16.9 (21)	37.6	6.1	n/a
Averages	398x (Total)	15.0	9.2	24.2	7.6	n/a
Maximum Loads and Minimum Ratings		33.9	21.0	37.9	6.0	n/a

Explanatory notes

About the ratings

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.

NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the energy loads and societal cost. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy production and storage to estimate the home's societal cost. For more details about an individual dwelling's assessment, refer to the individual dwelling's NatHERS Certificate (accessible via link).

Accredited Assessors

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

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

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

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

Disclaimer

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

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

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

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

Nationwide House Energy Rating Scheme® Class 2 Summary

NatHERS® Certificate No. #HR-UDYI6E-01

Generated on 25 Sep 2025 using Hero 4.1

Property

Address 1 Crescent Street, Holroyd, NSW, 2142
Lot/DP 700/-/DP1241836
NatHERS climate zone 56 - Mascot AMO



Accredited assessor

Name Haylea Edwards
Business name Efficient Living Pty Ltd
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Accreditation No. 10213
Assessor Accrediting Organisation HERA

Verification

To verify this certificate, scan the QR code or visit <http://www.hero-software.com.au/pdf/HR-UDYI6E-01>.
When using either link, ensure you are visiting <http://www.hero-software.com.au>



National Construction Code (NCC) requirements

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

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

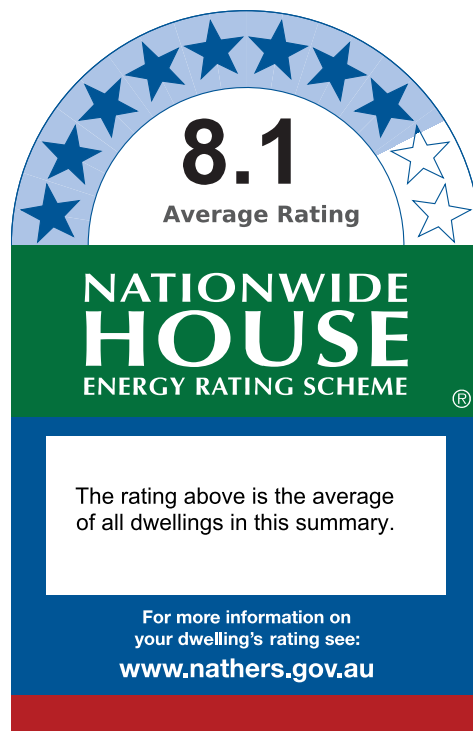
The NCC, and associated ABCB Standards and support material, can be accessed at www.abcb.gov.au.

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

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m².yr)	Cooling load (load limit) (MJ/m².yr)	Total load (MJ/m².yr)	Star Rating	Whole of Home Rating
HR-91TH17-01	41001	16.7 (34)	6.8 (21)	23.5	7.7	n/a
HR-NNZWJK-01	41002	5.3 (34)	5.4 (21)	10.7	9.2	n/a
HR-YTA8UQ-01	41003	8.8 (34)	16.1 (21)	24.9	7.5	n/a

Thermal performance Star rating



NCC heating and cooling maximum loads MJ/m².yr

Limits taken from ABCB Standard 2022

	Heating	Cooling
Average load	12.0	8.6
Maximum load	31.6	20.5
Average limit	28.1	20.0
Maximum limit	34.4	21.4

Whole of Home performance rating

No Whole of Home performance rating generated for this certificate or not completed for all dwellings.

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-IJ72T8-01	41004	21.5 (34)	13.2 (21)	34.6	6.4	n/a
HR-FT3Z88-01	41005	18.9 (34)	16.7 (21)	35.6	6.3	n/a
HR-BVHGVO-01	41006	17.4 (34)	7.0 (21)	24.4	7.6	n/a
HR-LO1RQQ-01	41007	28.0 (34)	9.6 (21)	37.6	6.0	n/a
HR-NR6XHE-01	41008	13.9 (34)	7.8 (21)	21.7	7.9	n/a
HR-HH61GM-01	4101	3.5 (34)	5.4 (21)	8.9	9.5	n/a
HR-MAABZR-01	4102	5.8 (34)	13.8 (21)	19.6	8.1	n/a
HR-TB4X33-01	4103	12.0 (34)	15.2 (21)	27.2	7.3	n/a
HR-P1WSIB-01	4104	7.7 (34)	20.5 (21)	28.2	7.2	n/a
HR-K493A2-01	4105	11.7 (34)	11.1 (21)	22.8	7.8	n/a
HR-CVYYUH-01	41101	14.7 (34)	8.6 (21)	23.4	7.7	n/a
HR-MXEKOK-01	41102	5.0 (34)	5.3 (21)	10.3	9.3	n/a
HR-8RKON9-01	41103	9.1 (34)	15.3 (21)	24.4	7.6	n/a
HR-8XOJD3-01	41104	23.9 (34)	13.7 (21)	37.6	6.1	n/a
HR-4NUNP0-01	41105	18.5 (34)	12.6 (21)	31.1	6.9	n/a
HR-ODRIFU-01	41106	19.9 (34)	6.6 (21)	26.5	7.4	n/a
HR-ALJGDD-01	41107	26.5 (34)	10.0 (21)	36.5	6.2	n/a
HR-ZJNUF9-01	41108	12.9 (34)	10.6 (21)	23.5	7.7	n/a
HR-THHCT5-01	41201	14.7 (34)	9.7 (21)	24.4	7.6	n/a
HR-3XKIRL-01	41202	5.1 (34)	5.4 (21)	10.4	9.3	n/a
HR-7LUHM3-01	41203	9.2 (34)	15.3 (21)	24.4	7.6	n/a
HR-D6LZQI-01	41204	18.3 (34)	12.3 (21)	30.6	6.9	n/a
HR-4PJ37Z-01	41205	18.6 (34)	12.4 (21)	31.0	6.9	n/a
HR-4JZQQK-01	41206	20.1 (34)	6.7 (21)	26.7	7.3	n/a
HR-P27280-01	41207	26.5 (34)	10.2 (21)	36.7	6.2	n/a
HR-O9GBQU-01	41208	13.0 (34)	10.2 (21)	23.2	7.7	n/a
HR-XLQVU0-01	41301	14.9 (34)	10.6 (21)	25.4	7.4	n/a
HR-I1JFB6-01	41302	5.3 (34)	5.5 (21)	10.8	9.2	n/a
HR-K5F4HG-01	41303	9.3 (34)	15.3 (21)	24.6	7.5	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-ZH6ZA3-01	41304	24.4 (34)	13.6 (21)	38.0	6.0	n/a
HR-2T4UFL-01	41305	19.3 (34)	12.6 (21)	31.9	6.8	n/a
HR-AEOZOL-01	41306	20.3 (34)	6.6 (21)	26.9	7.3	n/a
HR-A8WI98-01	41307	26.6 (34)	10.2 (21)	36.8	6.2	n/a
HR-A5NFJ1-01	41308	13.3 (34)	10.1 (21)	23.4	7.7	n/a
HR-A7ON2U-01	41401	14.8 (34)	10.7 (21)	25.5	7.4	n/a
HR-416IZ1-01	41402	5.3 (34)	5.6 (21)	10.8	9.2	n/a
HR-ST8TOH-01	41403	9.4 (34)	15.6 (21)	25.0	7.4	n/a
HR-VDBEUT-01	41404	24.5 (34)	13.5 (21)	38.0	6.0	n/a
HR-0572BD-01	41405	19.0 (34)	12.7 (21)	31.7	6.8	n/a
HR-E009AL-01	41406	20.4 (34)	6.5 (21)	26.9	7.3	n/a
HR-2FE1LA-01	41407	26.5 (34)	10.0 (21)	36.6	6.2	n/a
HR-BX77MN-01	41408	13.4 (34)	10.2 (21)	23.5	7.7	n/a
HR-39N546-01	41501	14.7 (34)	13.1 (21)	27.8	7.2	n/a
HR-JI421X-01	41502	5.3 (34)	5.5 (21)	10.9	9.2	n/a
HR-0OGNLX-01	41503	9.5 (34)	15.8 (21)	25.3	7.4	n/a
HR-YJC4L1-01	41504	18.0 (34)	11.7 (21)	29.7	7.0	n/a
HR-76G3FC-01	41505	19.1 (34)	12.8 (21)	31.9	6.8	n/a
HR-S1SSJ1-01	41506	20.6 (34)	6.6 (21)	27.2	7.3	n/a
HR-NTGX35-01	41507	26.3 (34)	10.1 (21)	36.4	6.2	n/a
HR-2LQNZI-01	41508	13.2 (34)	10.0 (21)	23.2	7.7	n/a
HR-11Q3U7-01	41601	14.6 (34)	13.9 (21)	28.5	7.2	n/a
HR-5ZA7WA-01	41602	5.4 (34)	5.5 (21)	10.9	9.2	n/a
HR-G98ALU-01	41603	9.5 (34)	16.0 (21)	25.5	7.4	n/a
HR-XFRO17-01	41604	18.1 (34)	11.6 (21)	29.7	7.0	n/a
HR-2ENSB5-01	41605	19.2 (34)	12.9 (21)	32.1	6.7	n/a
HR-4T1V3H-01	41606	20.7 (34)	6.6 (21)	27.3	7.3	n/a
HR-WJ65N9-01	41607	27.9 (34)	10.0 (21)	38.0	6.0	n/a
HR-BHHEG5-01	41608	13.2 (34)	10.5 (21)	23.6	7.7	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-N17DUD-01	41701	14.5 (34)	18.3 (21)	32.8	6.6	n/a
HR-AMVDES-01	41702	5.5 (34)	5.5 (21)	10.9	9.2	n/a
HR-UI84BN-01	41703	9.6 (34)	16.2 (21)	25.8	7.4	n/a
HR-D8CRSO-01	41704	17.3 (34)	11.5 (21)	28.8	7.1	n/a
HR-DURN2H-01	41705	19.3 (34)	12.8 (21)	32.1	6.7	n/a
HR-PT2H44-01	41706	20.9 (34)	6.5 (21)	27.4	7.3	n/a
HR-A6MGXU-01	41707	26.3 (34)	10.0 (21)	36.3	6.2	n/a
HR-WDYBZI-01	41708	13.1 (34)	10.5 (21)	23.6	7.7	n/a
HR-MBVS1O-01	41801	14.8 (34)	13.5 (21)	28.4	7.2	n/a
HR-M5S3UX-01	41802	15.0 (34)	7.0 (21)	22.0	7.9	n/a
HR-QOHMCG-01	41803	18.7 (34)	18.6 (21)	37.2	6.1	n/a
HR-WVTW8H-01	41804	25.0 (34)	12.1 (21)	37.1	6.1	n/a
HR-7H04MA-01	41805	20.5 (34)	12.7 (21)	33.1	6.6	n/a
HR-PNJ81G-01	41806	24.1 (34)	8.0 (21)	32.1	6.7	n/a
HR-8R371U-01	41807	27.2 (34)	9.7 (21)	37.0	6.1	n/a
HR-YVC1MK-01	41808	18.2 (34)	13.6 (21)	31.8	6.8	n/a
HR-WXC73W-01	4201	4.3 (34)	5.2 (21)	9.6	9.4	n/a
HR-EUSUSA-01	4202	3.1 (34)	18.4 (21)	21.5	7.9	n/a
HR-7V76GO-01	4203	11.4 (34)	19.7 (21)	31.0	6.9	n/a
HR-BPDIJC-01	4204	5.0 (34)	16.6 (21)	21.5	7.9	n/a
HR-Y09GFS-01	4205	15.3 (34)	8.5 (21)	23.8	7.7	n/a
HR-EWPRD1-01	4301	6.4 (34)	4.9 (21)	11.3	9.1	n/a
HR-920QN5-01	4302	6.6 (34)	18.2 (21)	24.8	7.5	n/a
HR-7TX5PR-01	4303	15.8 (34)	13.8 (21)	29.6	7.0	n/a
HR-7KNVDX-01	4304	13.5 (34)	19.7 (21)	33.2	6.6	n/a
HR-9K465I-01	4305	18.3 (34)	7.9 (21)	26.1	7.4	n/a
HR-L62DVF-01	4401	21.7 (34)	6.3 (21)	27.9	7.2	n/a
HR-PTUCT8-01	4402	3.7 (34)	6.1 (21)	9.8	9.4	n/a
HR-EDJ11P-01	4403	6.4 (34)	18.1 (21)	24.5	7.6	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-GNX5OD-01	4404	16.5 (34)	13.6 (21)	30.2	6.9	n/a
HR-IUBN67-01	4405	14.2 (34)	19.4 (21)	33.5	6.6	n/a
HR-FNDTZK-01	4406	15.2 (34)	7.6 (21)	22.7	7.8	n/a
HR-YQ3YKJ-01	4407	28.4 (34)	6.6 (21)	35.0	6.4	n/a
HR-CFAX4P-01	4501	13.1 (34)	6.9 (21)	20.0	8.1	n/a
HR-B8949Y-01	4502	3.7 (34)	5.8 (21)	9.4	9.4	n/a
HR-V7IHZU-01	4503	6.6 (34)	18.2 (21)	24.8	7.5	n/a
HR-UXMLZC-01	4504	17.0 (34)	13.7 (21)	30.7	6.9	n/a
HR-NN0QFP-01	4505	14.7 (34)	19.2 (21)	33.9	6.5	n/a
HR-0S3GV2-01	4506	13.9 (34)	7.5 (21)	21.4	7.9	n/a
HR-OAA5D8-01	4507	21.7 (34)	7.8 (21)	29.5	7.1	n/a
HR-BVU758-01	4508	16.1 (34)	8.4 (21)	24.5	7.6	n/a
HR-KMMP12-01	4601	13.6 (34)	6.6 (21)	20.2	8.1	n/a
HR-NLVI8F-01	4602	3.9 (34)	5.7 (21)	9.6	9.4	n/a
HR-GR5BJM-01	4603	6.8 (34)	18.2 (21)	25.0	7.4	n/a
HR-JJTZCD-01	4604	17.6 (34)	13.0 (21)	30.6	6.9	n/a
HR-0GM2OY-01	4605	15.2 (34)	19.1 (21)	34.3	6.4	n/a
HR-U7NHHJ-01	4606	14.3 (34)	7.3 (21)	21.7	7.9	n/a
HR-GFMWEH-01	4607	25.0 (34)	11.6 (21)	36.5	6.2	n/a
HR-6P2MLD-01	4608	11.0 (34)	8.3 (21)	19.4	8.2	n/a
HR-G9BZX4-01	4701	14.0 (34)	6.9 (21)	20.9	8.0	n/a
HR-04L9KL-01	4702	4.1 (34)	5.7 (21)	9.7	9.4	n/a
HR-IUN6XM-01	4703	7.0 (34)	17.9 (21)	24.9	7.5	n/a
HR-DSOOQ1-01	4704	18.1 (34)	13.0 (21)	31.1	6.9	n/a
HR-S8ZE0U-01	4705	15.7 (34)	19.2 (21)	34.9	6.4	n/a
HR-RGV0ZS-01	4706	14.8 (34)	7.1 (21)	21.9	7.9	n/a
HR-U37XZ4-01	4707	25.4 (34)	11.0 (21)	36.4	6.2	n/a
HR-AG5OUL-01	4708	11.4 (34)	8.3 (21)	19.7	8.1	n/a
HR-JBI37R-01	4801	14.3 (34)	6.9 (21)	21.2	7.9	n/a

Summary of all dwellings

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HR-Y4BFOF-01	4802	4.2 (34)	5.6 (21)	9.8	9.4	n/a
HR-0AR3HT-01	4803	7.2 (34)	17.6 (21)	24.8	7.5	n/a
HR-QLXSS0-01	4804	18.5 (34)	13.0 (21)	31.5	6.8	n/a
HR-XIO02C-01	4805	16.1 (34)	18.6 (21)	34.7	6.4	n/a
HR-4GRRKX-01	4806	15.0 (34)	7.2 (21)	22.3	7.8	n/a
HR-8KA0II-01	4807	25.7 (34)	10.8 (21)	36.6	6.2	n/a
HR-W19GXH-01	4808	11.6 (34)	8.1 (21)	19.8	8.1	n/a
HR-5XOFVE-01	4901	14.7 (34)	6.7 (21)	21.4	7.9	n/a
HR-TLMEXC-01	4902	4.3 (34)	5.5 (21)	9.8	9.4	n/a
HR-TSZDQU-01	4903	7.5 (34)	17.6 (21)	25.1	7.4	n/a
HR-O8NCQA-01	4904	19.0 (34)	13.3 (21)	32.3	6.7	n/a
HR-BZY0QN-01	4905	16.6 (34)	18.6 (21)	35.1	6.4	n/a
HR-CO076F-01	4906	15.4 (34)	7.2 (21)	22.6	7.8	n/a
HR-BTNVHI-01	4907	26.0 (34)	10.6 (21)	36.7	6.2	n/a
HR-43X53N-01	4908	12.1 (34)	8.4 (21)	20.5	8.1	n/a
HR-CMU9IP-01	5001	14.7 (34)	14.3 (21)	29.0	7.1	n/a
HR-CLZ2ND-01	5002	3.0 (34)	10.7 (21)	13.7	8.8	n/a
HR-8WHGAY-01	5003	3.4 (34)	7.1 (21)	10.4	9.3	n/a
HR-S2CYM7-01	5004	11.6 (34)	9.5 (21)	21.0	7.9	n/a
HR-D955HR-01	51001	23.8 (34)	7.3 (21)	31.1	6.9	n/a
HR-JI426P-01	51002	7.2 (34)	6.7 (21)	13.9	8.8	n/a
HR-C5PW8T-01	51003	1.3 (34)	5.2 (21)	6.5	9.9	n/a
HR-79LM4F-01	51004	3.9 (34)	5.0 (21)	8.9	9.5	n/a
HR-EFH5ZY-01	51005	4.3 (34)	5.1 (21)	9.4	9.4	n/a
HR-GPL204-01	51006	1.3 (34)	5.0 (21)	6.3	9.9	n/a
HR-JMJOMJ-01	51007	5.1 (34)	5.8 (21)	10.9	9.2	n/a
HR-KLS2JB-01	51008	29.2 (34)	8.8 (21)	38.0	6.0	n/a
HR-MVS0SF-01	5101	2.1 (34)	5.4 (21)	7.5	9.7	n/a
HR-N97JTU-01	51101	24.9 (34)	6.9 (21)	31.8	6.8	n/a

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HR-OKMQY9-01	51102	8.4 (34)	6.1 (21)	14.6	8.7	n/a
HR-K7BQ3T-01	51103	1.8 (34)	4.5 (21)	6.3	9.9	n/a
HR-LD07UE-01	51104	4.4 (34)	4.7 (21)	9.1	9.4	n/a
HR-YRP4LS-01	51105	5.0 (34)	4.9 (21)	9.8	9.4	n/a
HR-7TO29S-01	51106	1.6 (34)	4.3 (21)	5.9	10.0	n/a
HR-W7KQ8D-01	51107	5.6 (34)	5.9 (21)	11.5	9.1	n/a
HR-TY5JWL-01	51108	23.9 (34)	6.8 (21)	30.7	6.9	n/a
HR-JJGFMT-01	51201	25.3 (34)	6.9 (21)	32.2	6.7	n/a
HR-LYVL51-01	51202	8.7 (34)	6.1 (21)	14.8	8.7	n/a
HR-2WAVNW-01	51203	1.8 (34)	4.4 (21)	6.2	9.9	n/a
HR-7OHL4C-01	51204	4.6 (34)	4.6 (21)	9.2	9.4	n/a
HR-9YY75Q-01	51205	5.1 (34)	4.7 (21)	9.8	9.4	n/a
HR-53XC6-01	51206	1.7 (34)	4.3 (21)	6.0	10.0	n/a
HR-LOH2EX-01	51207	5.6 (34)	6.0 (21)	11.7	9.1	n/a
HR-YZ2S0A-01	51208	24.2 (34)	6.8 (21)	31.0	6.9	n/a
HR-KV0U5E-01	51301	25.4 (34)	7.1 (21)	32.5	6.7	n/a
HR-RZBDMD-01	51302	8.7 (34)	6.0 (21)	14.7	8.7	n/a
HR-TC4IEJ-01	51303	1.9 (34)	4.4 (21)	6.3	9.9	n/a
HR-I10R8U-01	51304	4.7 (34)	4.6 (21)	9.3	9.4	n/a
HR-NF7YU1-01	51305	5.2 (34)	4.7 (21)	9.9	9.3	n/a
HR-8RV49X-01	51306	1.7 (34)	4.2 (21)	5.9	10.0	n/a
HR-KUY9DJ-01	51307	5.7 (34)	6.7 (21)	12.4	8.9	n/a
HR-DVBA20-01	51308	24.2 (34)	7.0 (21)	31.2	6.8	n/a
HR-LUMF6V-01	51401	25.7 (34)	7.0 (21)	32.7	6.7	n/a
HR-J5WHWO-01	51402	8.9 (34)	6.1 (21)	15.0	8.6	n/a
HR-EXLH83-01	51403	2.0 (34)	4.4 (21)	6.4	9.9	n/a
HR-1UEVYI-01	51404	4.8 (34)	4.7 (21)	9.5	9.4	n/a
HR-KACI77-01	51405	5.3 (34)	4.8 (21)	10.1	9.3	n/a
HR-2R5UEP-01	51406	1.8 (34)	4.2 (21)	6.0	10.0	n/a

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HR-BRT579-01	51407	5.7 (34)	7.4 (21)	13.1	8.9	n/a
HR-2GHJOK-01	51408	24.4 (34)	7.4 (21)	31.8	6.8	n/a
HR-TII3OO-01	51501	29.2 (34)	8.0 (21)	37.2	6.1	n/a
HR-8XW4GQ-01	51502	9.0 (34)	6.3 (21)	15.2	8.6	n/a
HR-FH18N5-01	51503	2.0 (34)	4.4 (21)	6.4	9.9	n/a
HR-J6GWBY-01	51504	4.8 (34)	4.7 (21)	9.5	9.4	n/a
HR-8XW7DL-01	51505	5.4 (34)	4.8 (21)	10.2	9.3	n/a
HR-6MG8R1-01	51506	1.8 (34)	4.2 (21)	6.0	9.9	n/a
HR-BICWDQ-01	51507	5.7 (34)	8.1 (21)	13.8	8.8	n/a
HR-11AB7D-01	51508	24.2 (34)	7.4 (21)	31.6	6.8	n/a
HR-MVXYJ9-01	51601	29.9 (34)	8.1 (21)	38.0	6.0	n/a
HR-3BOZS1-01	51602	9.0 (34)	6.6 (21)	15.6	8.5	n/a
HR-XAOEJ6-01	51603	2.0 (34)	4.4 (21)	6.5	9.9	n/a
HR-038GBP-01	51604	4.9 (34)	4.7 (21)	9.6	9.4	n/a
HR-OQ56EX-01	51605	5.5 (34)	4.7 (21)	10.2	9.3	n/a
HR-U7EKJN-01	51606	1.9 (34)	4.2 (21)	6.0	9.9	n/a
HR-ITXV4H-01	51607	5.6 (34)	8.4 (21)	14.0	8.8	n/a
HR-KR0RQB-01	51608	23.5 (34)	7.4 (21)	30.9	6.9	n/a
HR-XI0GJI-01	51701	26.0 (34)	7.6 (21)	33.6	6.5	n/a
HR-HP5B3M-01	51702	9.1 (34)	6.7 (21)	15.8	8.5	n/a
HR-ESR6OH-01	51703	2.1 (34)	4.4 (21)	6.4	9.9	n/a
HR-LF21NV-01	51704	5.0 (34)	4.6 (21)	9.6	9.4	n/a
HR-05FO5H-01	51705	5.6 (34)	4.8 (21)	10.3	9.3	n/a
HR-820VG1-01	51706	2.0 (34)	4.1 (21)	6.1	9.9	n/a
HR-G1L7IL-01	51707	5.2 (34)	8.6 (21)	13.9	8.8	n/a
HR-7WMHGW-01	51708	23.0 (34)	7.4 (21)	30.4	6.9	n/a
HR-64B8K0-01	51801	26.0 (34)	7.9 (21)	33.9	6.5	n/a
HR-A49T65-01	51802	9.1 (34)	7.1 (21)	16.2	8.4	n/a
HR-P4BRDG-01	51803	2.1 (34)	4.3 (21)	6.4	9.9	n/a

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HR-ZMHK7P-01	51804	5.1 (34)	4.6 (21)	9.7	9.4	n/a
HR-M8WR3A-01	51805	5.7 (34)	4.7 (21)	10.4	9.3	n/a
HR-VJD6KF-01	51806	1.9 (34)	4.1 (21)	6.1	9.9	n/a
HR-JVQY84-01	51807	4.8 (34)	9.2 (21)	14.0	8.8	n/a
HR-CUHL5L-01	51808	29.2 (34)	8.6 (21)	37.8	6.0	n/a
HR-3C12VC-01	51901	27.8 (34)	7.0 (21)	34.9	6.4	n/a
HR-M1HBL8-01	51902	17.2 (34)	10.8 (21)	28.0	7.2	n/a
HR-Q82M9V-01	51903	7.8 (34)	6.6 (21)	14.5	8.7	n/a
HR-2R936Z-01	51904	14.6 (34)	6.5 (21)	21.1	7.9	n/a
HR-LOFWC9-01	51905	15.9 (34)	6.7 (21)	22.6	7.8	n/a
HR-CQH05X-01	51906	7.7 (34)	6.4 (21)	14.2	8.7	n/a
HR-0KOQ8R-01	51907	10.6 (34)	11.3 (21)	21.9	7.9	n/a
HR-1XR7HZ-01	51908	28.6 (34)	9.1 (21)	37.8	6.0	n/a
HR-3XEBHT-01	5201	3.4 (34)	8.1 (21)	11.5	9.1	n/a
HR-KF14DO-01	5202	0.4 (34)	6.4 (21)	6.8	9.9	n/a
HR-X7SLEM-01	5203	1.4 (34)	6.0 (21)	7.5	9.8	n/a
HR-IPB8D5-01	5204	1.7 (34)	6.1 (21)	7.8	9.7	n/a
HR-Q7K3YF-01	5205	0.3 (34)	6.0 (21)	6.3	9.9	n/a
HR-O4J9AE-01	5206	6.8 (34)	7.7 (21)	14.4	8.7	n/a
HR-VTQE8M-01	5301	5.6 (34)	7.4 (21)	13.0	8.9	n/a
HR-G0YTIF-01	5302	0.8 (34)	5.7 (21)	6.5	9.9	n/a
HR-KP57CI-01	5303	2.6 (34)	5.4 (21)	7.9	9.7	n/a
HR-15B9NP-01	5304	2.9 (34)	5.4 (21)	8.3	9.6	n/a
HR-QMLI46-01	5305	0.7 (34)	5.2 (21)	6.0	10.0	n/a
HR-FP846Z-01	5306	8.9 (34)	7.3 (21)	16.3	8.4	n/a
HR-M9ZNGF-01	5401	31.6 (34)	5.8 (21)	37.5	6.1	n/a
HR-TPTZIP-01	5402	6.5 (34)	7.2 (21)	13.6	8.8	n/a
HR-OW8GKU-01	5403	0.9 (34)	5.5 (21)	6.4	9.9	n/a
HR-NASD6E-01	5404	2.8 (34)	5.3 (21)	8.1	9.6	n/a

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HR-MK5RP3-01	5405	3.2 (34)	5.5 (21)	8.7	9.6	n/a
HR-C2NIOU-01	5406	0.9 (34)	5.3 (21)	6.1	9.9	n/a
HR-NSJ1WQ-01	5407	4.8 (34)	4.9 (21)	9.7	9.4	n/a
HR-JGQBYF-01	5408	31.3 (34)	5.5 (21)	36.8	6.2	n/a
HR-WKWEX0-01	5501	28.1 (34)	9.2 (21)	37.2	6.1	n/a
HR-XCTDD2-01	5502	6.1 (34)	7.0 (21)	13.1	8.9	n/a
HR-FM3CIQ-01	5503	1.0 (34)	5.5 (21)	6.5	9.9	n/a
HR-BO29LK-01	5504	3.0 (34)	5.3 (21)	8.3	9.6	n/a
HR-FUY99O-01	5505	3.5 (34)	5.3 (21)	8.8	9.5	n/a
HR-JYNULT-01	5506	0.9 (34)	5.3 (21)	6.2	9.9	n/a
HR-LNYW4J-01	5507	4.1 (34)	5.0 (21)	9.1	9.4	n/a
HR-YIKE78-01	5508	26.7 (34)	8.7 (21)	35.4	6.3	n/a
HR-9P82RG-01	5601	28.7 (34)	8.9 (21)	37.6	6.0	n/a
HR-M6QQ4A-01	5602	6.3 (34)	7.0 (21)	13.3	8.8	n/a
HR-2ENYYE-01	5603	1.1 (34)	5.3 (21)	6.5	9.9	n/a
HR-2LAGPX-01	5604	3.2 (34)	5.2 (21)	8.4	9.6	n/a
HR-L2WED6-01	5605	3.7 (34)	5.3 (21)	9.0	9.5	n/a
HR-WCWWSI-01	5606	1.0 (34)	5.1 (21)	6.1	9.9	n/a
HR-VZAWQB-01	5607	4.4 (34)	5.0 (21)	9.4	9.4	n/a
HR-03ADK1-01	5608	27.3 (34)	8.8 (21)	36.2	6.2	n/a
HR-Q7750Y-01	5701	22.6 (34)	7.2 (21)	29.8	7.0	n/a
HR-JZC2EU-01	5702	6.4 (34)	6.9 (21)	13.4	8.8	n/a
HR-TO68NW-01	5703	1.1 (34)	5.2 (21)	6.3	9.9	n/a
HR-X9HQNT-01	5704	3.4 (34)	5.2 (21)	8.5	9.6	n/a
HR-QZQC5Y-01	5705	3.8 (34)	5.2 (21)	8.9	9.5	n/a
HR-CM04BS-01	5706	1.0 (34)	5.0 (21)	6.0	10.0	n/a
HR-UPLSXZ-01	5707	4.5 (34)	5.2 (21)	9.7	9.4	n/a
HR-8ZWS1F-01	5708	27.7 (34)	8.7 (21)	36.4	6.2	n/a
HR-QB61DD-01	5801	23.1 (34)	7.3 (21)	30.3	6.9	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-59JDRZ-01	5802	6.8 (34)	6.8 (21)	13.6	8.8	n/a
HR-S4Z60W-01	5803	1.2 (34)	5.1 (21)	6.2	9.9	n/a
HR-GFSB3N-01	5804	3.5 (34)	5.1 (21)	8.6	9.6	n/a
HR-BTJ8CD-01	5805	4.0 (34)	5.1 (21)	9.1	9.4	n/a
HR-D9A62C-01	5806	1.1 (34)	4.9 (21)	5.9	10.0	n/a
HR-Z1DG5I-01	5807	4.8 (34)	5.4 (21)	10.2	9.3	n/a
HR-T9GBV3-01	5808	28.4 (34)	8.8 (21)	37.1	6.1	n/a
HR-YK5DE4-01	5901	23.4 (34)	7.2 (21)	30.6	6.9	n/a
HR-15AP1P-01	5902	7.0 (34)	7.0 (21)	13.9	8.8	n/a
HR-0EE31U-01	5903	1.2 (34)	5.1 (21)	6.3	9.9	n/a
HR-FOGE1Q-01	5904	3.7 (34)	5.0 (21)	8.7	9.5	n/a
HR-WDNNBV-01	5905	4.1 (34)	5.1 (21)	9.1	9.4	n/a
HR-7UYV63-01	5906	1.2 (34)	4.9 (21)	6.1	9.9	n/a
HR-0MQGMH-01	5907	4.9 (34)	5.6 (21)	10.4	9.3	n/a
HR-VDRA3F-01	5908	28.8 (34)	8.8 (21)	37.6	6.1	n/a
Averages	279x (Total)	12.0	8.6	20.6	8.1	n/a
Maximum Loads and Minimum Ratings		31.6	20.5	38.0	6.0	n/a

Explanatory notes

About the ratings

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.

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

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

Accredited Assessors

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

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

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

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

Disclaimer

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

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

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

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

Nationwide House Energy Rating Scheme® Class 2 Summary

NatHERS® Certificate No. #HR-UHSVPA-01

Generated on 25 Sep 2025 using Hero 4.1

Property

Address 1 Crescent Street, Holroyd, NSW, 2142
Lot/DP 700/-DP1241836
NatHERS climate zone 56 - Mascot AMO



Accredited assessor

Name Haylea Edwards
Business name Efficient Living Pty Ltd
Email haylea@efficientliving.com.au
Phone +61 9970 6181
Accreditation No. 10213
Assessor Accrediting Organisation HERA

Verification

To verify this certificate, scan the QR code or visit <http://www.hero-software.com.au/pdf/HR-UHSVPA-01>.
When using either link, ensure you are visiting <http://www.hero-software.com.au>



National Construction Code (NCC) requirements

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

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

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

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

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m².yr)	Cooling load (load limit) (MJ/m².yr)	Total load (MJ/m².yr)	Star Rating	Whole of Home Rating
HR-JLBE8A-01	21001	31.2 (34)	3.6 (21)	34.8	6.4	n/a
HR-3N3UHK-01	21003	23.1 (34)	9.7 (21)	32.8	6.6	n/a
HR-AJ1A68-01	21005	18.8 (34)	8.8 (21)	27.6	7.2	n/a

Thermal performance Star rating



**NATIONWIDE
HOUSE**
ENERGY RATING SCHEME®

The rating above is the average of all dwellings in this summary.

For more information on your dwelling's rating see:
www.nathers.gov.au

NCC heating and cooling maximum loads MJ/m².yr

Limits taken from ABCB Standard 2022

	Heating	Cooling
Average load	17.8	7.8
Maximum load	33.6	19.5
Average limit	28.1	20.0
Maximum limit	34.4	21.4

Whole of Home performance rating

No Whole of Home performance rating generated for this certificate or not completed for all dwellings.

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-GUKIBR-01	21006	9.3 (34)	17.9 (21)	27.2	7.3	n/a
HR-G2XMJT-01	21007	4.3 (34)	5.4 (21)	9.7	9.4	n/a
HR-01BWKC-01	21008	24.1 (34)	4.5 (21)	28.6	7.1	n/a
HR-N21B3J-01	21101	31.5 (34)	3.6 (21)	35.1	6.4	n/a
HR-5SMR74-01	21102	30.1 (34)	4.9 (21)	35.1	6.4	n/a
HR-IAP389-01	21103	23.4 (34)	9.6 (21)	33.1	6.6	n/a
HR-8CZANU-01	21104	16.3 (34)	8.7 (21)	25.0	7.5	n/a
HR-WL9XS5-01	21105	19.1 (34)	8.8 (21)	27.9	7.2	n/a
HR-ODF1WP-01	21106	9.5 (34)	17.5 (21)	27.0	7.3	n/a
HR-RJ0H93-01	21107	4.1 (34)	5.6 (21)	9.6	9.4	n/a
HR-FE4UTB-01	21108	24.4 (34)	4.6 (21)	29.0	7.1	n/a
HR-YYJZR5-01	21201	33.0 (34)	3.6 (21)	36.6	6.2	n/a
HR-VO8NUP-01	21202	31.6 (34)	4.8 (21)	36.4	6.2	n/a
HR-XUJCOC-01	21203	25.0 (34)	9.1 (21)	34.1	6.4	n/a
HR-11IW2O-01	21204	18.2 (34)	8.4 (21)	26.6	7.3	n/a
HR-SXHNuz-01	21205	21.3 (34)	9.4 (21)	30.7	6.9	n/a
HR-HQEVGZ-01	21206	10.3 (34)	16.2 (21)	26.4	7.4	n/a
HR-32MF5T-01	21207	4.2 (34)	5.5 (21)	9.6	9.4	n/a
HR-16XNN4-01	21208	26.3 (34)	4.5 (21)	30.8	6.9	n/a
HR-741IB7-01	21301	31.8 (34)	3.6 (21)	35.4	6.3	n/a
HR-M31NYZ-01	21302	30.4 (34)	4.9 (21)	35.3	6.3	n/a
HR-71LEXI-01	21303	23.6 (34)	9.6 (21)	33.2	6.6	n/a
HR-5AHXUC-01	21304	16.5 (34)	8.4 (21)	24.9	7.5	n/a
HR-51Q29R-01	21305	19.5 (34)	8.7 (21)	28.1	7.2	n/a
HR-6YJM5B-01	21306	9.7 (34)	17.6 (21)	27.3	7.3	n/a
HR-ZMQ1LM-01	21307	4.2 (34)	5.6 (21)	9.8	9.4	n/a
HR-9GEI2J-01	21308	24.8 (34)	4.7 (21)	29.5	7.1	n/a
HR-W79SR3-01	21401	31.9 (34)	3.6 (21)	35.5	6.3	n/a
HR-15GVZD-01	21402	30.4 (34)	4.9 (21)	35.4	6.3	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-79TO0M-01	21403	23.7 (34)	9.6 (21)	33.4	6.6	n/a
HR-OUMKUZ-01	21404	16.7 (34)	8.3 (21)	25.0	7.5	n/a
HR-13V8X6-01	21405	19.6 (34)	9.2 (21)	28.8	7.1	n/a
HR-ZLIMTM-01	21406	9.8 (34)	17.7 (21)	27.5	7.3	n/a
HR-G4N1KI-01	21407	4.3 (34)	5.5 (21)	9.8	9.4	n/a
HR-2SD2PX-01	21408	24.9 (34)	4.7 (21)	29.7	7.0	n/a
HR-D90TN6-01	21501	32.2 (34)	3.5 (21)	35.7	6.3	n/a
HR-TQ2W68-01	21502	30.7 (34)	4.9 (21)	35.6	6.3	n/a
HR-6XN6O0-01	21503	24.0 (34)	9.5 (21)	33.5	6.6	n/a
HR-KADMIZ-01	21504	17.0 (34)	8.5 (21)	25.5	7.4	n/a
HR-817A1G-01	21505	20.0 (34)	9.1 (21)	29.1	7.1	n/a
HR-BEERGQ-01	21506	10.0 (34)	17.1 (21)	27.1	7.3	n/a
HR-BBCR7D-01	21507	4.4 (34)	5.4 (21)	9.9	9.4	n/a
HR-UMZXKV-01	21508	25.3 (34)	4.7 (21)	30.0	6.9	n/a
HR-2JJ444-01	21601	32.3 (34)	3.5 (21)	35.9	6.3	n/a
HR-JX3YZ8-01	21602	30.8 (34)	4.8 (21)	35.6	6.3	n/a
HR-8Q2NFK-01	21603	24.1 (34)	9.7 (21)	33.7	6.5	n/a
HR-2JMPEI-01	21604	17.1 (34)	8.6 (21)	25.7	7.4	n/a
HR-KRCYOZ-01	21605	20.1 (34)	9.3 (21)	29.4	7.1	n/a
HR-QKMWJF-01	21606	10.1 (34)	17.4 (21)	27.5	7.2	n/a
HR-SX2I29-01	21607	4.5 (34)	5.4 (21)	9.9	9.3	n/a
HR-37RNJK-01	21608	25.5 (34)	4.7 (21)	30.2	6.9	n/a
HR-3AC6V4-01	21701	33.6 (34)	3.5 (21)	37.1	6.1	n/a
HR-D0Y090-01	21702	31.4 (34)	4.7 (21)	36.1	6.2	n/a
HR-AO0H1C-01	21703	25.5 (34)	9.3 (21)	34.8	6.4	n/a
HR-A0YH12-01	21704	19.2 (34)	8.2 (21)	27.3	7.3	n/a
HR-4EZOYL-01	21705	22.3 (34)	8.4 (21)	30.6	6.9	n/a
HR-Z6RR8J-01	21706	10.8 (34)	15.8 (21)	26.6	7.3	n/a
HR-3RYZ0C-01	21707	4.6 (34)	5.4 (21)	10.0	9.3	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-CVQCO0-01	21708	27.4 (34)	4.5 (21)	31.9	6.8	n/a
HR-6DGM1A-01	21801	32.6 (34)	3.5 (21)	36.1	6.2	n/a
HR-ZSXSJW-01	21802	30.9 (34)	4.8 (21)	35.7	6.3	n/a
HR-MYJT2A-01	21803	24.3 (34)	9.5 (21)	33.8	6.5	n/a
HR-0BGKX8-01	21804	17.5 (34)	8.4 (21)	25.9	7.4	n/a
HR-FCMI7Y-01	21805	20.4 (34)	9.2 (21)	29.5	7.0	n/a
HR-9I226Y-01	21806	10.4 (34)	17.2 (21)	27.6	7.2	n/a
HR-SCWC1F-01	21808	25.8 (34)	4.7 (21)	30.5	6.9	n/a
HR-N3OI0P-01	21901	32.8 (34)	3.6 (21)	36.4	6.2	n/a
HR-G0G8VR-01	21902	31.1 (34)	5.2 (21)	36.4	6.2	n/a
HR-KNGNPM-01	21903	24.4 (34)	9.6 (21)	34.1	6.4	n/a
HR-127DUX-01	21904	17.7 (34)	8.5 (21)	26.2	7.4	n/a
HR-XJWK3J-01	21905	20.6 (34)	9.3 (21)	29.9	7.0	n/a
HR-M7QOD0-01	21906	10.5 (34)	16.6 (21)	27.1	7.3	n/a
HR-NQY5M8-01	21907	4.8 (34)	5.5 (21)	10.3	9.3	n/a
HR-GVCC23-01	21908	26.0 (34)	4.5 (21)	30.5	6.9	n/a
HR-S0Y99N-01	2903	22.9 (34)	9.7 (21)	32.6	6.7	n/a
HR-5YHQ1I-01	2908	23.9 (34)	4.5 (21)	28.4	7.2	n/a
HR-RO8WN0-01	P201	20.2 (34)	11.8 (21)	32.0	6.7	n/a
HR-PXGF7C-01	P202	11.3 (34)	12.6 (21)	23.9	7.6	n/a
HR-KB1Q2J-01	P203	11.0 (34)	11.1 (21)	22.2	7.9	n/a
HR-4H52IY-01	P204	14.9 (34)	15.0 (21)	29.9	7.0	n/a
HR-SMO6IQ-01	P205	10.7 (34)	10.8 (21)	21.5	7.9	n/a
HR-BUZZDN-01	P206	11.9 (34)	12.0 (21)	23.9	7.6	n/a
HR-UGAXPU-01	P207	3.3 (34)	15.0 (21)	18.3	8.3	n/a
HR-7TCARI-01	P208	9.3 (34)	11.7 (21)	21.0	7.9	n/a
HR-BXAD26-01	P301	23.4 (34)	9.6 (21)	33.0	6.6	n/a
HR-8R15ID-01	P302	11.1 (34)	11.3 (21)	22.5	7.8	n/a
HR-R8HGIE-01	P303	12.6 (34)	8.3 (21)	20.9	8.0	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-MDCSDU-01	P304	14.1 (34)	13.1 (21)	27.1	7.3	n/a
HR-GPAJEM-01	P305	11.6 (34)	9.6 (21)	21.2	7.9	n/a
HR-CXKHMI-01	P306	12.8 (34)	10.1 (21)	22.9	7.8	n/a
HR-PSMVBE-01	P307	3.1 (34)	15.0 (21)	18.1	8.3	n/a
HR-JXYVEZ-01	P308	9.7 (34)	10.7 (21)	20.4	8.1	n/a
HR-0FC1N6-01	P401	22.5 (34)	9.2 (21)	31.7	6.8	n/a
HR-Z1XALF-01	P402	10.9 (34)	10.6 (21)	21.5	7.9	n/a
HR-OZWNH3-01	P403	13.0 (34)	9.2 (21)	22.3	7.8	n/a
HR-873P6O-01	P404	15.9 (34)	12.0 (21)	28.0	7.2	n/a
HR-DJ3I7N-01	P405	12.8 (34)	9.5 (21)	22.3	7.8	n/a
HR-F8324L-01	P406	13.8 (34)	10.2 (21)	24.0	7.6	n/a
HR-LIP4NU-01	P407	4.5 (34)	19.5 (21)	24.0	7.6	n/a
HR-F5PHKU-01	P408	10.3 (34)	10.6 (21)	20.9	8.0	n/a
HR-749J9C-01	P501	24.6 (34)	9.2 (21)	33.8	6.5	n/a
HR-AD3LB8-01	P502	12.1 (34)	11.2 (21)	23.3	7.7	n/a
HR-0711WH-01	P503	13.6 (34)	8.2 (21)	21.9	7.9	n/a
HR-6O0OOJ-01	P504	14.9 (34)	12.9 (21)	27.8	7.2	n/a
HR-0AOMIF-01	P505	13.2 (34)	9.3 (21)	22.5	7.8	n/a
HR-S79DP6-01	P506	14.3 (34)	10.0 (21)	24.3	7.6	n/a
HR-TONJJ5-01	P507	3.4 (34)	10.8 (21)	14.3	8.7	n/a
HR-A2FLKA-01	P508	10.6 (34)	10.4 (21)	21.0	8.0	n/a
HR-SANGAZ-01	P601	24.4 (34)	9.4 (21)	33.8	6.5	n/a
HR-G37T2B-01	P602	11.5 (34)	10.7 (21)	22.2	7.8	n/a
HR-7LQBZL-01	P603	13.6 (34)	8.9 (21)	22.5	7.8	n/a
HR-KDZ1ZP-01	P604	16.5 (34)	11.4 (21)	27.9	7.2	n/a
HR-ISH9HO-01	P605	13.5 (34)	9.2 (21)	22.6	7.8	n/a
HR-2VGYZ2-01	P606	14.6 (34)	10.0 (21)	24.6	7.6	n/a
HR-BGIVVH-01	P607	3.5 (34)	11.2 (21)	14.8	8.7	n/a
HR-FDVAXK-01	P608	10.8 (34)	10.3 (21)	21.2	7.9	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-JS45KV-01	P701	27.3 (34)	6.7 (21)	34.1	6.4	n/a
HR-1P5DR3-01	P702	24.0 (34)	13.8 (21)	37.8	6.0	n/a
HR-L8GLQC-01	P703	25.1 (34)	10.4 (21)	35.5	6.3	n/a
HR-TLG69F-01	P704	15.2 (34)	12.9 (21)	28.1	7.2	n/a
HR-R68UV1-01	P705	13.9 (34)	9.1 (21)	23.0	7.8	n/a
HR-IF94T2-01	P706	15.1 (34)	9.8 (21)	24.9	7.5	n/a
HR-5K36BC-01	P707	3.7 (34)	10.5 (21)	14.2	8.7	n/a
HR-0E7B4U-01	P708	11.2 (34)	10.3 (21)	21.5	7.9	n/a
HR-S0DVW8-01	11001	18.1 (34)	7.3 (21)	25.4	7.4	n/a
HR-MBXIQG-01	11002	5.6 (34)	10.4 (21)	16.0	8.5	n/a
HR-FTPLNS-01	11003	5.6 (34)	9.7 (21)	15.2	8.6	n/a
HR-JGDDW2-01	11004	19.7 (34)	6.4 (21)	26.0	7.4	n/a
HR-88G41A-01	11005	20.0 (34)	8.8 (21)	28.8	7.1	n/a
HR-O8D8HL-01	11006	16.3 (34)	7.6 (21)	23.8	7.6	n/a
HR-V3UM7F-01	11007	13.3 (34)	3.0 (21)	16.3	8.4	n/a
HR-JIUUXY-01	11008	18.1 (34)	2.9 (21)	21.1	7.9	n/a
HR-7HV3KI-01	11009	4.6 (34)	8.7 (21)	13.3	8.8	n/a
HR-4KYZ85-01	11010	23.4 (34)	5.4 (21)	28.9	7.1	n/a
HR-6DSOQE-01	11101	18.4 (34)	7.3 (21)	25.7	7.4	n/a
HR-198OWF-01	11102	5.7 (34)	10.5 (21)	16.2	8.4	n/a
HR-VVHEPS-01	11103	5.6 (34)	9.5 (21)	15.2	8.6	n/a
HR-UZ841M-01	11104	20.0 (34)	6.4 (21)	26.4	7.4	n/a
HR-8YD0OL-01	11105	20.3 (34)	8.7 (21)	29.0	7.1	n/a
HR-GIMAGY-01	11106	16.5 (34)	7.4 (21)	23.9	7.6	n/a
HR-YUNOGU-01	11107	13.6 (34)	3.2 (21)	16.8	8.4	n/a
HR-BIRY2M-01	11108	18.4 (34)	2.9 (21)	21.3	7.9	n/a
HR-L76BLI-01	11109	4.7 (34)	8.7 (21)	13.4	8.8	n/a
HR-R0YG81-01	11110	23.8 (34)	5.4 (21)	29.2	7.1	n/a
HR-NAGTQ3-01	11201	18.6 (34)	7.3 (21)	25.9	7.4	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-XFU8A3-01	11202	5.7 (34)	10.7 (21)	16.4	8.4	n/a
HR-PLI0XG-01	11203	5.7 (34)	9.5 (21)	15.2	8.6	n/a
HR-ZHHJAQ-01	11204	20.2 (34)	6.3 (21)	26.5	7.4	n/a
HR-XJI2E3-01	11205	20.5 (34)	8.7 (21)	29.2	7.1	n/a
HR-P6FTYV-01	11206	16.7 (34)	7.3 (21)	24.0	7.6	n/a
HR-C1XBV4-01	11207	13.5 (34)	3.1 (21)	16.6	8.4	n/a
HR-XL5D93-01	11208	18.5 (34)	2.9 (21)	21.5	7.9	n/a
HR-YJE1LK-01	11209	4.8 (34)	8.8 (21)	13.6	8.8	n/a
HR-WLTEGZ-01	11210	23.9 (34)	5.4 (21)	29.4	7.1	n/a
HR-OUF4XK-01	11301	18.7 (34)	7.3 (21)	26.0	7.4	n/a
HR-6J8J1D-01	11302	5.8 (34)	10.7 (21)	16.5	8.4	n/a
HR-SZU50O-01	11303	5.8 (34)	9.6 (21)	15.4	8.6	n/a
HR-31LYAY-01	11304	20.3 (34)	6.3 (21)	26.6	7.3	n/a
HR-6JLKVE-01	11305	20.7 (34)	8.7 (21)	29.3	7.1	n/a
HR-0S47HH-01	11306	16.8 (34)	7.4 (21)	24.2	7.6	n/a
HR-FS03Z8-01	11307	13.8 (34)	3.0 (21)	16.8	8.4	n/a
HR-443LCK-01	11308	18.7 (34)	3.0 (21)	21.7	7.9	n/a
HR-3DWXT4-01	11309	4.8 (34)	8.8 (21)	13.6	8.8	n/a
HR-OTW5C6-01	11310	24.1 (34)	5.4 (21)	29.5	7.1	n/a
HR-3FIN4O-01	11401	18.9 (34)	7.2 (21)	26.1	7.4	n/a
HR-FE1KQG-01	11402	5.9 (34)	10.8 (21)	16.7	8.4	n/a
HR-L0BLNX-01	11403	5.8 (34)	9.6 (21)	15.4	8.6	n/a
HR-CO208Q-01	11404	20.5 (34)	6.5 (21)	27.0	7.3	n/a
HR-WF6XLZ-01	11405	20.8 (34)	8.6 (21)	29.5	7.1	n/a
HR-E9OMLZ-01	11406	17.0 (34)	7.3 (21)	24.3	7.6	n/a
HR-LQZHK1-01	11407	13.9 (34)	3.0 (21)	16.9	8.4	n/a
HR-SW6O80-01	11408	18.8 (34)	3.0 (21)	21.8	7.9	n/a
HR-H1PTGR-01	11409	4.9 (34)	8.5 (21)	13.4	8.8	n/a
HR-69LRTU-01	11410	24.3 (34)	5.4 (21)	29.6	7.0	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-GHX7PB-01	11501	19.2 (34)	7.1 (21)	26.3	7.4	n/a
HR-1MJWG9-01	11502	5.9 (34)	10.6 (21)	16.5	8.4	n/a
HR-2GGAE6-01	11503	6.0 (34)	9.6 (21)	15.5	8.6	n/a
HR-HVY7PO-01	11504	20.9 (34)	6.4 (21)	27.3	7.3	n/a
HR-F8U7NZ-01	11505	21.2 (34)	8.8 (21)	30.0	7.0	n/a
HR-6VDDUB-01	11506	17.2 (34)	7.1 (21)	24.4	7.6	n/a
HR-TIFCPS-01	11507	14.0 (34)	3.0 (21)	17.1	8.4	n/a
HR-RGU74I-01	11508	19.1 (34)	3.0 (21)	22.1	7.9	n/a
HR-2UNBIF-01	11509	5.0 (34)	8.6 (21)	13.7	8.8	n/a
HR-11PMFM-01	11510	24.6 (34)	5.4 (21)	30.0	7.0	n/a
HR-8IADQ0-01	11601	19.4 (34)	7.0 (21)	26.5	7.4	n/a
HR-82JNZP-01	11602	6.1 (34)	10.7 (21)	16.8	8.4	n/a
HR-IBTPKL-01	11603	6.1 (34)	9.7 (21)	15.8	8.5	n/a
HR-U7EEJE-01	11604	21.1 (34)	6.5 (21)	27.6	7.2	n/a
HR-Z4Y87U-01	11605	21.4 (34)	8.7 (21)	30.1	6.9	n/a
HR-QAEQQY-01	11606	17.4 (34)	7.3 (21)	24.7	7.5	n/a
HR-V92K00-01	11607	14.3 (34)	3.1 (21)	17.4	8.4	n/a
HR-CJUSB7-01	11608	19.4 (34)	3.1 (21)	22.4	7.8	n/a
HR-7WO5SG-01	11609	5.2 (34)	8.7 (21)	13.9	8.8	n/a
HR-IJNN7N-01	11610	24.8 (34)	5.7 (21)	30.5	6.9	n/a
HR-WF0JTL-01	11701	19.5 (34)	7.1 (21)	26.6	7.3	n/a
HR-IIMITY-01	11702	6.3 (34)	10.6 (21)	16.9	8.4	n/a
HR-M3JLC4-01	11703	6.6 (34)	9.5 (21)	16.1	8.4	n/a
HR-U1G48F-01	11704	21.3 (34)	6.5 (21)	27.8	7.2	n/a
HR-YGVWG6-01	11705	21.6 (34)	8.5 (21)	30.1	6.9	n/a
HR-YHVDB0-01	11706	17.6 (34)	7.3 (21)	24.9	7.5	n/a
HR-5CXOIW-01	11707	14.9 (34)	3.2 (21)	18.1	8.3	n/a
HR-6ODOWA-01	11708	19.3 (34)	3.1 (21)	22.4	7.8	n/a
HR-Z4E4XZ-01	11709	5.3 (34)	8.6 (21)	13.9	8.8	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-I9B0YV-01	11710	24.9 (34)	5.8 (21)	30.7	6.9	n/a
HR-YWMJHJ-01	11801	19.6 (34)	7.1 (21)	26.7	7.3	n/a
HR-24AW3Y-01	11802	6.2 (34)	10.6 (21)	16.8	8.4	n/a
HR-5ZPD5X-01	11803	6.5 (34)	9.3 (21)	15.8	8.5	n/a
HR-P5GECC-01	11804	21.4 (34)	6.4 (21)	27.8	7.2	n/a
HR-4Z34AX-01	11805	21.7 (34)	8.5 (21)	30.1	6.9	n/a
HR-1A45UH-01	11806	17.6 (34)	7.4 (21)	25.0	7.4	n/a
HR-SR9D26-01	11807	14.6 (34)	3.2 (21)	17.7	8.3	n/a
HR-I039AR-01	11808	20.9 (34)	3.2 (21)	24.1	7.6	n/a
HR-BJ3GMH-01	11809	5.3 (34)	7.6 (21)	12.9	8.9	n/a
HR-2FAM9U-01	11810	25.0 (34)	5.5 (21)	30.5	6.9	n/a
HR-TYQHP3-01	11901	19.7 (34)	7.1 (21)	26.8	7.3	n/a
HR-D72Y8Q-01	11902	6.2 (34)	10.5 (21)	16.7	8.4	n/a
HR-AMFRYS-01	11903	6.5 (34)	9.3 (21)	15.7	8.5	n/a
HR-SF6HQQ-01	11904	21.5 (34)	6.4 (21)	27.9	7.2	n/a
HR-GO9JO7-01	11905	21.8 (34)	8.4 (21)	30.2	6.9	n/a
HR-8ZE109-01	11906	17.8 (34)	7.2 (21)	25.0	7.5	n/a
HR-PZNEA2-01	11907	14.7 (34)	3.1 (21)	17.8	8.3	n/a
HR-R0WRUQ-01	11908	19.4 (34)	3.2 (21)	22.6	7.8	n/a
HR-WO0TC2-01	11909	5.4 (34)	8.4 (21)	13.7	8.8	n/a
HR-TWR2L1-01	11910	25.1 (34)	5.6 (21)	30.8	6.9	n/a
HR-2IU01H-01	12001	19.9 (34)	7.1 (21)	26.9	7.3	n/a
HR-I16YQH-01	12002	6.3 (34)	10.7 (21)	17.0	8.4	n/a
HR-OGDBCH-01	12003	6.6 (34)	9.3 (21)	15.8	8.5	n/a
HR-J8X24O-01	12004	21.7 (34)	6.4 (21)	28.1	7.2	n/a
HR-8EJRA2-01	12005	22.0 (34)	8.5 (21)	30.5	6.9	n/a
HR-BFWLHD-01	12006	17.9 (34)	7.2 (21)	25.1	7.4	n/a
HR-TL5B7C-01	12007	14.4 (34)	3.2 (21)	17.5	8.3	n/a
HR-LLCL2O-01	12008	19.6 (34)	3.2 (21)	22.8	7.8	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-Q6CR3M-01	12009	5.4 (34)	8.4 (21)	13.9	8.8	n/a
HR-4NZNC4-01	12010	25.3 (34)	5.7 (21)	31.0	6.9	n/a
HR-AM2BTN-01	12101	19.8 (34)	7.1 (21)	27.0	7.3	n/a
HR-BMW1V9-01	12102	6.2 (34)	10.8 (21)	17.1	8.4	n/a
HR-G0UK1I-01	12103	6.6 (34)	9.3 (21)	16.0	8.5	n/a
HR-D92F21-01	12104	21.7 (34)	6.4 (21)	28.1	7.2	n/a
HR-4J2WQ2-01	12105	22.0 (34)	8.6 (21)	30.5	6.9	n/a
HR-LMPVJM-01	12106	17.9 (34)	7.1 (21)	25.0	7.5	n/a
HR-WB00E3-01	12107	14.3 (34)	3.1 (21)	17.5	8.4	n/a
HR-P9C8WS-01	12108	19.5 (34)	3.2 (21)	22.7	7.8	n/a
HR-U5LGNU-01	12109	5.4 (34)	8.4 (21)	13.8	8.8	n/a
HR-2E1UKF-01	12110	25.2 (34)	5.7 (21)	31.0	6.9	n/a
HR-E30JMP-01	12201	20.0 (34)	7.0 (21)	27.0	7.3	n/a
HR-USKR4G-01	12202	6.4 (34)	10.7 (21)	17.1	8.4	n/a
HR-Z1DMR3-01	12203	6.7 (34)	9.3 (21)	16.0	8.4	n/a
HR-OTR8TJ-01	12204	21.9 (34)	6.4 (21)	28.2	7.2	n/a
HR-KAMR9K-01	12205	22.1 (34)	8.7 (21)	30.8	6.9	n/a
HR-OMSE97-01	12206	18.0 (34)	7.1 (21)	25.1	7.4	n/a
HR-WHI64Q-01	12207	14.6 (34)	3.1 (21)	17.8	8.3	n/a
HR-G3MK6O-01	12208	19.6 (34)	3.2 (21)	22.8	7.8	n/a
HR-JUERD6-01	12209	5.5 (34)	8.4 (21)	13.9	8.8	n/a
HR-GDVGZH-01	12210	25.4 (34)	5.8 (21)	31.1	6.9	n/a
HR-6QFYRT-01	12301	20.1 (34)	7.1 (21)	27.1	7.3	n/a
HR-ME0DIU-01	12302	6.4 (34)	10.8 (21)	17.2	8.4	n/a
HR-KEZDKM-01	12303	6.8 (34)	9.3 (21)	16.1	8.4	n/a
HR-9OFEBL-01	12304	22.0 (34)	6.4 (21)	28.4	7.2	n/a
HR-UTDSQ9-01	12305	22.3 (34)	8.5 (21)	30.8	6.9	n/a
HR-95VF53-01	12306	18.1 (34)	7.0 (21)	25.1	7.4	n/a
HR-QC2V0O-01	12307	14.7 (34)	3.1 (21)	17.8	8.3	n/a

Summary of all dwellings

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HR-4TV9EE-01	12308	19.6 (34)	3.2 (21)	22.8	7.8	n/a
HR-VQ1UHL-01	12309	5.6 (34)	8.2 (21)	13.8	8.8	n/a
HR-0XLF8Y-01	12310	25.5 (34)	5.9 (21)	31.3	6.8	n/a
HR-8K9NZX-01	12401	20.2 (34)	7.1 (21)	27.3	7.3	n/a
HR-AN7TN2-01	12402	6.4 (34)	10.6 (21)	17.0	8.4	n/a
HR-54LWF4-01	12403	6.8 (34)	9.5 (21)	16.3	8.4	n/a
HR-AE70T7-01	12404	22.2 (34)	6.5 (21)	28.7	7.1	n/a
HR-QD9INO-01	12405	22.4 (34)	8.4 (21)	30.9	6.9	n/a
HR-9YVFL7-01	12406	18.3 (34)	7.0 (21)	25.2	7.4	n/a
HR-WFWZH4-01	12407	14.7 (34)	3.1 (21)	17.8	8.3	n/a
HR-FVJT4P-01	12408	19.5 (34)	3.3 (21)	22.8	7.8	n/a
HR-BUABEJ-01	12409	5.7 (34)	8.0 (21)	13.7	8.8	n/a
HR-25FWZO-01	12410	25.6 (34)	5.9 (21)	31.5	6.8	n/a
HR-3BFKHQ-01	12501	20.3 (34)	7.1 (21)	27.4	7.3	n/a
HR-MDDYHZ-01	12502	6.5 (34)	10.7 (21)	17.2	8.4	n/a
HR-T3TQL0-01	12503	6.9 (34)	9.3 (21)	16.2	8.4	n/a
HR-19HR45-01	12504	22.4 (34)	6.5 (21)	28.9	7.1	n/a
HR-LL8VHY-01	12505	22.6 (34)	8.6 (21)	31.2	6.9	n/a
HR-53CSA2-01	12506	18.4 (34)	7.1 (21)	25.5	7.4	n/a
HR-VTA99Z-01	12507	15.0 (34)	3.1 (21)	18.1	8.3	n/a
HR-CPY6PZ-01	12508	19.5 (34)	3.5 (21)	23.0	7.8	n/a
HR-XF6Q2A-01	12509	5.7 (34)	8.0 (21)	13.8	8.8	n/a
HR-23723L-01	12510	25.6 (34)	6.1 (21)	31.8	6.8	n/a
HR-WVBVU6-01	12601	20.3 (34)	7.1 (21)	27.4	7.3	n/a
HR-BX7AQC-01	12602	6.4 (34)	10.5 (21)	16.9	8.4	n/a
HR-VQJZHG-01	12603	6.9 (34)	9.2 (21)	16.1	8.4	n/a
HR-RNL6MX-01	12604	22.5 (34)	6.7 (21)	29.1	7.1	n/a
HR-ZATZ1O-01	12605	22.7 (34)	8.5 (21)	31.2	6.8	n/a
HR-T1UMYY-01	12606	18.5 (34)	7.1 (21)	25.6	7.4	n/a

Summary of all dwellings

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HR-BTBCR9-01	12607	15.2 (34)	3.1 (21)	18.3	8.3	n/a
HR-J39MBX-01	12608	19.4 (34)	3.4 (21)	22.8	7.8	n/a
HR-8PMCAZ-01	12609	5.8 (34)	8.2 (21)	14.0	8.8	n/a
HR-QCSFF4-01	12610	25.7 (34)	6.2 (21)	31.9	6.8	n/a
HR-9X99DD-01	12701	20.3 (34)	7.2 (21)	27.5	7.3	n/a
HR-1M36U0-01	12702	6.7 (34)	10.7 (21)	17.4	8.4	n/a
HR-YW7X00-01	12703	7.2 (34)	9.6 (21)	16.8	8.4	n/a
HR-HR906D-01	12704	22.6 (34)	6.5 (21)	29.1	7.1	n/a
HR-IUHOWM-01	12705	22.8 (34)	8.5 (21)	31.3	6.8	n/a
HR-FDZSGJ-01	12706	18.6 (34)	7.0 (21)	25.6	7.4	n/a
HR-SMYPLW-01	12707	15.4 (34)	3.2 (21)	18.6	8.2	n/a
HR-W9FW8W-01	12708	19.3 (34)	3.5 (21)	22.8	7.8	n/a
HR-FKUC8D-01	12709	6.0 (34)	8.7 (21)	14.7	8.7	n/a
HR-R0FGB3-01	12710	25.8 (34)	6.3 (21)	32.0	6.7	n/a
HR-4MFN7W-01	12801	20.3 (34)	7.2 (21)	27.5	7.2	n/a
HR-7SZ2QB-01	12802	6.5 (34)	10.8 (21)	17.3	8.4	n/a
HR-KNXBF3-01	12803	7.1 (34)	9.3 (21)	16.4	8.4	n/a
HR-D162KZ-01	12804	22.7 (34)	6.5 (21)	29.2	7.1	n/a
HR-1Q766R-01	12805	22.9 (34)	8.2 (21)	31.2	6.9	n/a
HR-BLEX3V-01	12806	18.7 (34)	6.9 (21)	25.6	7.4	n/a
HR-TT6W1H-01	12807	15.7 (34)	3.1 (21)	18.8	8.2	n/a
HR-DLNHEP-01	12808	19.3 (34)	3.4 (21)	22.7	7.8	n/a
HR-ZNE7KO-01	12809	5.9 (34)	8.4 (21)	14.3	8.7	n/a
HR-E67ATP-01	12810	25.7 (34)	6.7 (21)	32.4	6.7	n/a
HR-6QH4UA-01	12901	20.3 (34)	7.4 (21)	27.7	7.2	n/a
HR-FEHO47-01	12902	6.5 (34)	10.8 (21)	17.3	8.4	n/a
HR-Z1EQCZ-01	12903	7.1 (34)	9.5 (21)	16.6	8.4	n/a
HR-YT0R4Z-01	12904	22.9 (34)	6.5 (21)	29.4	7.1	n/a
HR-KKYT0L-01	12905	23.1 (34)	8.3 (21)	31.4	6.8	n/a

Summary of all dwellings

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HR-HCKC59-01	12906	18.8 (34)	6.9 (21)	25.7	7.4	n/a
HR-TMNM9S-01	12907	15.7 (34)	3.1 (21)	18.8	8.2	n/a
HR-V2M8RJ-01	12908	18.7 (34)	3.4 (21)	22.1	7.9	n/a
HR-SH9DV0-01	12909	6.0 (34)	8.6 (21)	14.6	8.7	n/a
HR-84NR9S-01	12910	25.7 (34)	6.9 (21)	32.6	6.7	n/a
HR-ABKIRG-01	13001	20.2 (34)	7.5 (21)	27.7	7.2	n/a
HR-EXSAMT-01	13002	6.6 (34)	10.7 (21)	17.3	8.4	n/a
HR-LJF2RQ-01	13003	7.1 (34)	9.4 (21)	16.5	8.4	n/a
HR-CCU333-01	13004	22.9 (34)	6.5 (21)	29.4	7.1	n/a
HR-B300ZB-01	13005	23.1 (34)	8.3 (21)	31.4	6.8	n/a
HR-IBRYRW-01	13006	18.8 (34)	6.7 (21)	25.5	7.4	n/a
HR-DMKZ1Y-01	13007	15.7 (34)	3.1 (21)	18.9	8.2	n/a
HR-ZWJL1P-01	13008	18.5 (34)	3.7 (21)	22.2	7.8	n/a
HR-K4BN25-01	13009	6.0 (34)	8.5 (21)	14.5	8.7	n/a
HR-68QAF3-01	13010	25.6 (34)	7.0 (21)	32.5	6.7	n/a
HR-Y2X827-01	13101	20.2 (34)	8.2 (21)	28.4	7.2	n/a
HR-LOZ552-01	13102	6.6 (34)	10.9 (21)	17.5	8.4	n/a
HR-13LHSH-01	13103	7.1 (34)	9.4 (21)	16.5	8.4	n/a
HR-5FJFR6-01	13104	23.0 (34)	6.5 (21)	29.6	7.0	n/a
HR-SNK2B1-01	13105	23.3 (34)	8.4 (21)	31.6	6.8	n/a
HR-5F9J69-01	13106	19.0 (34)	6.8 (21)	25.7	7.4	n/a
HR-2PI046-01	13107	15.8 (34)	3.1 (21)	19.0	8.2	n/a
HR-W7BOWS-01	13108	18.3 (34)	3.9 (21)	22.2	7.8	n/a
HR-XEXCE2-01	13109	6.1 (34)	8.6 (21)	14.7	8.7	n/a
HR-S96QGU-01	13110	25.5 (34)	8.3 (21)	33.8	6.5	n/a
HR-O7XP0Z-01	13201	20.2 (34)	8.5 (21)	28.8	7.1	n/a
HR-ZIF5IW-01	13202	6.5 (34)	10.8 (21)	17.3	8.4	n/a
HR-0YKV5U-01	13203	7.2 (34)	9.6 (21)	16.8	8.4	n/a
HR-X6DKL0-01	13204	23.2 (34)	6.5 (21)	29.7	7.0	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-SP5KWD-01	13205	23.4 (34)	8.2 (21)	31.7	6.8	n/a
HR-7IE4ZX-01	13206	19.1 (34)	6.9 (21)	25.9	7.4	n/a
HR-JYCGFG-01	13207	16.0 (34)	3.0 (21)	19.0	8.2	n/a
HR-GSZQSD-01	13208	17.9 (34)	4.0 (21)	21.9	7.9	n/a
HR-1394AO-01	13209	6.2 (34)	8.5 (21)	14.7	8.7	n/a
HR-GW94NV-01	13210	25.4 (34)	9.1 (21)	34.5	6.4	n/a
HR-X95J17-01	13301	20.1 (34)	8.6 (21)	28.7	7.1	n/a
HR-JQOF5C-01	13302	6.5 (34)	11.3 (21)	17.8	8.3	n/a
HR-OBIDVR-01	13303	7.2 (34)	9.5 (21)	16.7	8.4	n/a
HR-WIDH65-01	13304	23.2 (34)	6.5 (21)	29.7	7.0	n/a
HR-AQOGAO-01	13305	23.4 (34)	8.1 (21)	31.6	6.8	n/a
HR-CALOYD-01	13306	19.0 (34)	6.8 (21)	25.9	7.4	n/a
HR-CAVEAG-01	13307	15.7 (34)	3.1 (21)	18.7	8.2	n/a
HR-WXI1AU-01	13308	16.8 (34)	4.1 (21)	20.9	8.0	n/a
HR-QZGB2H-01	13309	6.2 (34)	8.6 (21)	14.7	8.7	n/a
HR-O4INOB-01	13310	25.2 (34)	10.0 (21)	35.2	6.3	n/a
HR-99O095-01	13401	20.1 (34)	9.2 (21)	29.3	7.1	n/a
HR-Z9VA0X-01	13402	6.5 (34)	11.2 (21)	17.7	8.3	n/a
HR-EPMLTP-01	13403	7.2 (34)	9.4 (21)	16.7	8.4	n/a
HR-M6PIVO-01	13404	23.4 (34)	6.5 (21)	29.9	7.0	n/a
HR-8NJTLL-01	13405	23.8 (34)	8.1 (21)	31.9	6.8	n/a
HR-0BYZN2-01	13406	28.4 (34)	9.0 (21)	37.4	6.1	n/a
HR-9LP111-01	13407	26.2 (34)	4.6 (21)	30.8	6.9	n/a
HR-1VKJSU-01	13408	26.9 (34)	5.8 (21)	32.7	6.7	n/a
HR-67JV7M-01	13409	13.4 (34)	9.7 (21)	23.1	7.7	n/a
HR-6K96S9-01	13410	25.8 (34)	10.9 (21)	36.7	6.2	n/a
HR-20M8ZM-01	13501	19.9 (34)	9.0 (21)	28.9	7.1	n/a
HR-XO6D0G-01	13502	6.4 (34)	11.3 (21)	17.7	8.3	n/a
HR-N6IJH8-01	13503	7.3 (34)	9.8 (21)	17.1	8.4	n/a

Summary of all dwellings

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HR-MRD4R7-01	13504	23.4 (34)	6.5 (21)	29.9	7.0	n/a
HR-MLREQR-01	13505	28.1 (34)	8.5 (21)	36.6	6.2	n/a
HR-35WCHC-01	13506	26.3 (34)	10.4 (21)	36.7	6.2	n/a
HR-2CYT2X-01	13601	24.5 (34)	7.8 (21)	32.4	6.7	n/a
HR-4VW1AC-01	13602	14.9 (34)	12.6 (21)	27.5	7.2	n/a
HR-CCTVL7-01	13603	15.3 (34)	11.3 (21)	26.7	7.3	n/a
HR-IXP9OI-01	13604	26.4 (34)	7.2 (21)	33.7	6.5	n/a
HR-WKRNC9-01	13605	29.0 (34)	8.9 (21)	37.9	6.0	n/a
HR-HM32Y6-01	13606	28.4 (34)	9.5 (21)	38.0	6.0	n/a
HR-N3Y6JK-01	1801	27.3 (34)	6.4 (21)	33.7	6.5	n/a
HR-3L1NNU-01	1802	8.1 (34)	9.4 (21)	17.5	8.4	n/a
HR-MZU5RE-01	1803	8.8 (34)	8.4 (21)	17.2	8.4	n/a
HR-SV138J-01	1804	31.1 (34)	5.3 (21)	36.4	6.2	n/a
HR-R43BUK-01	1805	30.5 (34)	7.4 (21)	37.9	6.0	n/a
HR-RT3S8V-01	1806	24.9 (34)	7.5 (21)	32.4	6.7	n/a
HR-VH5UNW-01	1807	29.9 (34)	2.7 (21)	32.7	6.7	n/a
HR-ZFQZA1-01	1808	32.3 (34)	2.5 (21)	34.9	6.4	n/a
HR-J7EDMD-01	1809	29.6 (34)	3.8 (21)	33.4	6.6	n/a
HR-5T08SE-01	1901	17.9 (34)	7.2 (21)	25.1	7.4	n/a
HR-BP8QA1-01	1902	5.5 (34)	10.3 (21)	15.8	8.5	n/a
HR-IOLKTL-01	1903	5.5 (34)	9.4 (21)	14.9	8.6	n/a
HR-8VHH9Q-01	1904	19.5 (34)	6.3 (21)	25.8	7.4	n/a
HR-0V6PKQ-01	1905	19.9 (34)	8.7 (21)	28.6	7.1	n/a
HR-XBDBV0-01	1906	16.1 (34)	7.5 (21)	23.6	7.7	n/a
HR-45PEGM-01	1907	13.5 (34)	3.1 (21)	16.6	8.4	n/a
HR-MV0AUK-01	1908	18.9 (34)	2.9 (21)	21.8	7.9	n/a
HR-UPWO43-01	1909	3.7 (34)	8.4 (21)	12.1	8.9	n/a
HR-EUBNJX-01	1910	23.3 (34)	5.4 (21)	28.8	7.1	n/a
HR-G77LTE-01	21002	29.9 (34)	5.0 (21)	34.9	6.4	n/a

Summary of all dwellings

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HR-N13D0G-01	21004	15.9 (34)	8.6 (21)	24.5	7.6	n/a
HR-1PRAUC-01	21807	4.6 (34)	5.4 (21)	10.0	9.3	n/a
HR-91CE7M-01	22001	31.0 (34)	3.8 (21)	34.8	6.4	n/a
HR-IQUXP4-01	22002	30.4 (34)	4.8 (21)	35.2	6.3	n/a
HR-0X34HG-01	22003	24.9 (34)	9.5 (21)	34.3	6.4	n/a
HR-I28E56-01	22004	18.1 (34)	8.7 (21)	26.9	7.3	n/a
HR-OKJEJ9-01	22005	21.1 (34)	8.7 (21)	29.9	7.0	n/a
HR-MK3262-01	22006	10.7 (34)	15.4 (21)	26.1	7.4	n/a
HR-ZB6911-01	22007	4.9 (34)	5.2 (21)	10.1	9.3	n/a
HR-562PRT-01	22008	22.1 (34)	5.2 (21)	27.3	7.3	n/a
HR-1970PU-01	22101	29.3 (34)	3.9 (21)	33.3	6.6	n/a
HR-BK2XEJ-01	22102	29.9 (34)	4.9 (21)	34.8	6.4	n/a
HR-QHJPMY-01	22103	24.8 (34)	9.5 (21)	34.3	6.4	n/a
HR-WUK3QO-01	22104	18.1 (34)	8.7 (21)	26.9	7.3	n/a
HR-4027IN-01	22105	21.1 (34)	8.9 (21)	30.0	7.0	n/a
HR-4IGE8X-01	22106	10.8 (34)	15.3 (21)	26.1	7.4	n/a
HR-PZE86D-01	22107	4.9 (34)	5.2 (21)	10.1	9.3	n/a
HR-HEB1IR-01	22108	22.1 (34)	5.3 (21)	27.3	7.3	n/a
HR-GRZMRD-01	22201	30.7 (34)	4.1 (21)	34.9	6.4	n/a
HR-FEBH5B-01	22202	30.9 (34)	4.8 (21)	35.7	6.3	n/a
HR-6V0TM6-01	22203	26.3 (34)	8.7 (21)	35.1	6.4	n/a
HR-CEKWUA-01	22204	20.1 (34)	8.1 (21)	28.2	7.2	n/a
HR-8WZHZR-01	22205	23.4 (34)	8.0 (21)	31.4	6.8	n/a
HR-ZQ7H44-01	22206	11.4 (34)	14.0 (21)	25.3	7.4	n/a
HR-NHDKZB-01	22207	5.0 (34)	5.2 (21)	10.2	9.3	n/a
HR-B79OPY-01	22208	23.9 (34)	5.4 (21)	29.3	7.1	n/a
HR-905MSL-01	22301	29.5 (34)	4.8 (21)	34.2	6.4	n/a
HR-LTF1JA-01	22302	30.2 (34)	4.9 (21)	35.1	6.4	n/a
HR-V6P7ZO-01	22303	25.0 (34)	9.5 (21)	34.5	6.4	n/a

Summary of all dwellings

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HR-VR3421-01	22304	18.5 (34)	8.7 (21)	27.2	7.3	n/a
HR-TPL760-01	22305	21.5 (34)	8.7 (21)	30.1	6.9	n/a
HR-PQUMS3-01	22306	10.9 (34)	15.2 (21)	26.1	7.4	n/a
HR-GWGM8-01	22307	5.3 (34)	5.4 (21)	10.8	9.2	n/a
HR-EMSLWH-01	22308	22.4 (34)	5.0 (21)	27.4	7.3	n/a
HR-L5X4OB-01	22401	29.5 (34)	5.1 (21)	34.6	6.4	n/a
HR-BZMF6L-01	22402	30.1 (34)	4.9 (21)	35.1	6.4	n/a
HR-NHSHXM-01	22403	25.0 (34)	9.6 (21)	34.7	6.4	n/a
HR-ROUI2S-01	22404	18.6 (34)	8.5 (21)	27.1	7.3	n/a
HR-GTBS90-01	22405	21.6 (34)	8.7 (21)	30.3	6.9	n/a
HR-MI1I3C-01	22406	11.2 (34)	15.7 (21)	26.9	7.3	n/a
HR-FTZKQU-01	22407	5.2 (34)	5.3 (21)	10.5	9.3	n/a
HR-Q53V8I-01	22408	22.5 (34)	4.9 (21)	27.4	7.3	n/a
HR-VLVV25-01	22501	29.4 (34)	5.6 (21)	35.0	6.4	n/a
HR-U8GXJB-01	22502	30.0 (34)	5.0 (21)	35.0	6.4	n/a
HR-XJMBQL-01	22503	25.1 (34)	9.5 (21)	34.6	6.4	n/a
HR-ECXUU7-01	22504	18.7 (34)	8.8 (21)	27.5	7.3	n/a
HR-13AJTY-01	22505	21.8 (34)	8.7 (21)	30.5	6.9	n/a
HR-5KAJKI-01	22506	11.3 (34)	15.6 (21)	26.9	7.3	n/a
HR-DUKXSU-01	22507	5.3 (34)	5.3 (21)	10.6	9.2	n/a
HR-9K4LIJ-01	22508	22.6 (34)	5.1 (21)	27.7	7.2	n/a
HR-BXJD5M-01	22601	29.2 (34)	6.0 (21)	35.3	6.3	n/a
HR-NPLN9X-01	22602	29.7 (34)	5.2 (21)	34.9	6.4	n/a
HR-WF0SA7-01	22603	25.1 (34)	9.7 (21)	34.7	6.4	n/a
HR-7DXVES-01	22604	18.8 (34)	8.5 (21)	27.3	7.3	n/a
HR-65BCVC-01	22605	21.9 (34)	8.8 (21)	30.7	6.9	n/a
HR-1CXZUF-01	22606	11.4 (34)	15.5 (21)	26.9	7.3	n/a
HR-RF8UY5-01	22607	5.5 (34)	5.4 (21)	10.9	9.2	n/a
HR-8CR42M-01	22608	22.5 (34)	5.2 (21)	27.7	7.2	n/a

Summary of all dwellings

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HR-FJ2LHH-01	22701	31.5 (34)	6.5 (21)	38.0	6.0	n/a
HR-PVCFG0-01	22702	30.7 (34)	4.9 (21)	35.5	6.3	n/a
HR-FAW77U-01	22703	26.9 (34)	8.8 (21)	35.7	6.3	n/a
HR-BDJ67P-01	22704	23.1 (34)	7.8 (21)	30.9	6.9	n/a
HR-BVFMHN-01	22705	24.7 (34)	8.1 (21)	32.8	6.6	n/a
HR-7HJEGT-01	22706	12.1 (34)	14.0 (21)	26.1	7.4	n/a
HR-D5VPXT-01	22707	5.5 (34)	5.3 (21)	10.8	9.2	n/a
HR-O3D0T8-01	22708	24.5 (34)	5.5 (21)	30.0	7.0	n/a
HR-9521AH-01	22801	29.9 (34)	6.7 (21)	36.7	6.2	n/a
HR-INN664-01	22802	29.1 (34)	5.3 (21)	34.4	6.4	n/a
HR-H7X1L4-01	22803	25.3 (34)	10.8 (21)	36.1	6.2	n/a
HR-6XCOUD-01	22804	19.4 (34)	8.4 (21)	27.8	7.2	n/a
HR-8FRRNW-01	22805	22.5 (34)	8.7 (21)	31.2	6.9	n/a
HR-5KUUYLI-01	22806	11.7 (34)	14.9 (21)	26.6	7.3	n/a
HR-K7GB7S-01	22807	5.4 (34)	5.5 (21)	10.9	9.2	n/a
HR-D4FJNX-01	22808	22.9 (34)	5.7 (21)	28.6	7.1	n/a
HR-W0RRZ8-01	22901	29.8 (34)	7.8 (21)	37.6	6.1	n/a
HR-2TTBTW-01	22902	29.0 (34)	5.5 (21)	34.5	6.4	n/a
HR-CQ4TMU-01	22903	25.3 (34)	10.8 (21)	36.1	6.2	n/a
HR-O4WO9O-01	22904	19.6 (34)	8.4 (21)	28.0	7.2	n/a
HR-1041LC-01	22905	22.6 (34)	8.7 (21)	31.4	6.8	n/a
HR-AJWHZW-01	22906	11.8 (34)	14.5 (21)	26.3	7.4	n/a
HR-P25LW8-01	22907	5.5 (34)	5.9 (21)	11.4	9.1	n/a
HR-DXG2XH-01	22908	22.9 (34)	5.7 (21)	28.6	7.1	n/a
HR-ZLI8SV-01	23001	29.1 (34)	7.7 (21)	36.8	6.2	n/a
HR-5K8F3I-01	23002	28.4 (34)	5.6 (21)	34.0	6.5	n/a
HR-3ZQXRJ-01	23003	25.2 (34)	10.8 (21)	36.0	6.2	n/a
HR-L9XIBG-01	23004	19.7 (34)	8.4 (21)	28.1	7.2	n/a
HR-18HASV-01	23005	22.8 (34)	8.7 (21)	31.5	6.8	n/a

Summary of all dwellings

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HR-21X04I-01	23006	11.6 (34)	14.7 (21)	26.3	7.4	n/a
HR-R3WM80-01	23007	5.6 (34)	6.1 (21)	11.7	9.1	n/a
HR-11VCHJ-01	23008	22.4 (34)	6.4 (21)	28.9	7.1	n/a
HR-U3NHB7-01	23101	28.0 (34)	7.8 (21)	35.8	6.3	n/a
HR-R5OQQJ-01	23102	27.4 (34)	5.7 (21)	33.1	6.6	n/a
HR-22JI8Y-01	23103	25.2 (34)	10.7 (21)	35.9	6.3	n/a
HR-QYYQOW-01	23104	19.7 (34)	8.4 (21)	28.1	7.2	n/a
HR-V3J4RR-01	23105	22.8 (34)	8.7 (21)	31.5	6.8	n/a
HR-J2COGU-01	23106	12.1 (34)	15.5 (21)	27.6	7.2	n/a
HR-ZV20A3-01	23107	5.6 (34)	6.4 (21)	12.0	8.9	n/a
HR-896UTK-01	23108	21.9 (34)	7.2 (21)	29.1	7.1	n/a
HR-AYOCWG-01	23201	25.3 (34)	7.8 (21)	33.1	6.6	n/a
HR-BRDTSQ-01	23202	25.3 (34)	5.8 (21)	31.1	6.9	n/a
HR-QIGZLY-01	23203	25.3 (34)	10.7 (21)	36.0	6.3	n/a
HR-MCT1Y2-01	23204	19.9 (34)	8.4 (21)	28.3	7.2	n/a
HR-7UNHG4-01	23205	23.0 (34)	8.7 (21)	31.7	6.8	n/a
HR-Y546PS-01	23206	11.8 (34)	15.3 (21)	27.1	7.3	n/a
HR-UIMK9E-01	23207	5.7 (34)	6.7 (21)	12.4	8.9	n/a
HR-XOF2L3-01	23208	21.6 (34)	7.4 (21)	29.0	7.1	n/a
HR-SVOT4P-01	23301	22.9 (34)	8.2 (21)	31.0	6.9	n/a
HR-06DHYX-01	23302	23.7 (34)	6.2 (21)	29.9	7.0	n/a
HR-8VLG4D-01	23303	25.6 (34)	11.8 (21)	37.4	6.1	n/a
HR-6HPAXB-01	23304	22.6 (34)	9.0 (21)	31.6	6.8	n/a
HR-KW571F-01	23305	25.2 (34)	9.0 (21)	34.3	6.4	n/a
HR-JLVY30-01	23306	16.7 (34)	15.0 (21)	31.6	6.8	n/a
HR-56USQS-01	23307	5.8 (34)	7.5 (21)	13.2	8.8	n/a
HR-QMB4YR-01	23308	21.0 (34)	7.3 (21)	28.3	7.2	n/a
HR-OIUZ6X-01	23401	21.9 (34)	8.3 (21)	30.2	6.9	n/a
HR-66VCOI-01	23402	27.4 (34)	6.5 (21)	33.9	6.5	n/a

Summary of all dwellings

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HR-4CY4MX-01	23403	7.8 (34)	8.1 (21)	15.9	8.5	n/a
HR-4KP02K-01	23404	20.3 (34)	6.8 (21)	27.0	7.3	n/a
HR-62L4EI-01	23501	24.2 (34)	9.2 (21)	33.4	6.6	n/a
HR-GBVHPN-01	23502	30.4 (34)	7.4 (21)	37.8	6.0	n/a
HR-LNW0J0-01	23503	17.4 (34)	10.9 (21)	28.2	7.2	n/a
HR-Z40ICC-01	23504	27.0 (34)	9.3 (21)	36.3	6.2	n/a
HR-BC0HHZ-01	2801	30.4 (34)	2.7 (21)	33.1	6.6	n/a
HR-X0IJGZ-01	2802	31.9 (34)	3.5 (21)	35.4	6.3	n/a
HR-MS2I8U-01	2803	23.2 (34)	10.4 (21)	33.6	6.6	n/a
HR-9BK5IE-01	2804	15.6 (34)	8.7 (21)	24.3	7.6	n/a
HR-9AGA75-01	2805	18.3 (34)	8.6 (21)	27.0	7.3	n/a
HR-QG0Z9E-01	2806	10.0 (34)	16.7 (21)	26.8	7.3	n/a
HR-RRZ2BO-01	2807	4.5 (34)	5.2 (21)	9.7	9.4	n/a
HR-SYH3S6-01	2808	20.3 (34)	4.8 (21)	25.1	7.4	n/a
HR-6E83G7-01	2901	31.0 (34)	3.7 (21)	34.7	6.4	n/a
HR-9UE9TV-01	2902	29.8 (34)	4.9 (21)	34.7	6.4	n/a
HR-WJ3L7O-01	2904	15.9 (34)	8.7 (21)	24.6	7.6	n/a
HR-1ITABR-01	2905	18.6 (34)	8.8 (21)	27.4	7.3	n/a
HR-DAH8YA-01	2906	9.1 (34)	17.5 (21)	26.6	7.3	n/a
HR-FOQRHG-01	2907	3.9 (34)	5.6 (21)	9.5	9.4	n/a
Averages	545x (Total)	17.8	7.8	25.6	7.4	n/a
Maximum Loads and Minimum Ratings		33.6	19.5	38.0	6.0	n/a

Explanatory notes

About the ratings

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.

NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the energy loads and societal cost. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy production and storage to estimate the home's societal cost. For more details about an individual dwelling's assessment, refer to the individual dwelling's NatHERS Certificate (accessible via link).

Accredited Assessors

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

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

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

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

Disclaimer

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

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

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

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

Nationwide House Energy Rating Scheme®

Class 2 Summary

NatHERS® Certificate No. #HR-YY6E8S-01

Generated on 25 Sep 2025 using Hero 4.1

Property

Address 1 Crescent Street, Holroyd, NSW, 2142
Lot/DP 700/-/DP1241836
NatHERS climate zone 56 - Mascot AMO



Accredited assessor

Name Haylea Edwards
Business name Efficient Living Pty Ltd
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Accreditation No. 10213
Assessor Accrediting Organisation HERA

Verification

To verify this certificate, scan the QR code or visit <http://www.hero-software.com.au/pdf/HR-YY6E8S-01>.
When using either link, ensure you are visiting <http://www.hero-software.com.au>



National Construction Code (NCC) requirements

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

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

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

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

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m².yr)	Cooling load (load limit) (MJ/m².yr)	Total load (MJ/m².yr)	Star Rating	Whole of Home Rating
HR-2Q3HA9-01	31306	24.5 (34)	8.7 (21)	33.2	6.6	n/a
HR-91LSXV-01	32106	25.4 (34)	8.5 (21)	33.9	6.5	n/a
HR-40JQBC-01	31001	5.3 (34)	3.8 (21)	9.1	9.4	n/a

Thermal performance Star rating



NCC heating and cooling maximum loads MJ/m².yr

Limits taken from ABCB Standard 2022

	Heating	Cooling
Average load	15.4	6.1
Maximum load	31.7	10.6
Average limit	28.1	20.0
Maximum limit	34.4	21.4

Whole of Home performance rating

No Whole of Home performance rating generated for this certificate or not completed for all dwellings.

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-K9MPPU-01	31002	7.7 (34)	5.3 (21)	13.0	8.9	n/a
HR-61515S-01	31003	13.0 (34)	7.3 (21)	20.3	8.1	n/a
HR-FUKH6Y-01	31004	20.5 (34)	3.9 (21)	24.4	7.6	n/a
HR-S9LX5A-01	31005	27.0 (34)	5.6 (21)	32.7	6.7	n/a
HR-PA9ZSY-01	31006	22.0 (34)	6.8 (21)	28.8	7.1	n/a
HR-YWRN6C-01	31007	7.8 (34)	5.8 (21)	13.6	8.8	n/a
HR-KBUI4W-01	31008	3.2 (34)	8.3 (21)	11.5	9.1	n/a
HR-Y9I7M2-01	31101	5.3 (34)	4.3 (21)	9.6	9.4	n/a
HR-PP21EH-01	31102	8.3 (34)	6.8 (21)	15.1	8.6	n/a
HR-POFH4O-01	31103	14.0 (34)	9.0 (21)	23.0	7.8	n/a
HR-EL4DYJ-01	31104	22.5 (34)	4.6 (21)	27.0	7.3	n/a
HR-P5W02Q-01	31105	28.1 (34)	6.0 (21)	34.1	6.4	n/a
HR-7DBLP2-01	31106	24.4 (34)	8.7 (21)	33.1	6.6	n/a
HR-VSWPGQ-01	31107	8.2 (34)	10.4 (21)	18.6	8.2	n/a
HR-8XXFFM-01	31108	5.6 (34)	5.1 (21)	10.7	9.2	n/a
HR-8AV5RZ-01	31201	5.5 (34)	3.7 (21)	9.2	9.4	n/a
HR-0K7E57-01	31202	7.9 (34)	5.4 (21)	13.3	8.8	n/a
HR-N65P4K-01	31203	13.4 (34)	7.2 (21)	20.6	8.0	n/a
HR-NKTHGN-01	31204	21.0 (34)	4.0 (21)	25.0	7.5	n/a
HR-STEGX1-01	31205	27.6 (34)	5.5 (21)	33.0	6.6	n/a
HR-4Y7B75-01	31206	22.3 (34)	6.7 (21)	29.1	7.1	n/a
HR-CWB74I-01	31207	8.1 (34)	5.8 (21)	13.9	8.8	n/a
HR-X3N1XF-01	31208	5.6 (34)	4.2 (21)	9.8	9.4	n/a
HR-20GFR6-01	31301	5.4 (34)	4.2 (21)	9.6	9.4	n/a
HR-1Z2Z4V-01	31302	8.5 (34)	6.8 (21)	15.3	8.6	n/a
HR-P0RBYQ-01	31303	14.3 (34)	8.9 (21)	23.1	7.7	n/a
HR-9WYQ22-01	31304	22.8 (34)	4.5 (21)	27.3	7.3	n/a
HR-C30672-01	31305	28.4 (34)	5.8 (21)	34.3	6.4	n/a
HR-XTTO4O-01	31307	8.4 (34)	10.6 (21)	19.0	8.2	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-K1SSA6-01	31308	5.8 (34)	5.1 (21)	10.9	9.2	n/a
HR-6JNJ4X-01	31401	5.7 (34)	3.7 (21)	9.4	9.4	n/a
HR-KF89PZ-01	31402	8.1 (34)	5.5 (21)	13.5	8.8	n/a
HR-0U5SRC-01	31403	13.7 (34)	7.3 (21)	20.9	8.0	n/a
HR-KX6TY2-01	31404	21.3 (34)	3.9 (21)	25.2	7.4	n/a
HR-HGJF3R-01	31405	27.9 (34)	5.4 (21)	33.3	6.6	n/a
HR-THP9LY-01	31406	22.5 (34)	6.8 (21)	29.3	7.1	n/a
HR-1XC1EW-01	31407	8.2 (34)	5.9 (21)	14.1	8.7	n/a
HR-13IU4Z-01	31408	5.8 (34)	4.1 (21)	10.0	9.3	n/a
HR-XEP6QT-01	31501	5.7 (34)	4.3 (21)	10.0	9.3	n/a
HR-J6W6UU-01	31502	8.6 (34)	7.1 (21)	15.8	8.5	n/a
HR-MMF8TQ-01	31503	14.7 (34)	8.8 (21)	23.5	7.7	n/a
HR-OZVD43-01	31504	23.3 (34)	4.5 (21)	27.8	7.2	n/a
HR-LWR19A-01	31505	29.0 (34)	6.0 (21)	34.9	6.4	n/a
HR-SCG2NP-01	31506	24.8 (34)	8.9 (21)	33.7	6.5	n/a
HR-T9W1YK-01	31507	8.7 (34)	10.4 (21)	19.0	8.2	n/a
HR-YVT9SJ-01	31508	6.0 (34)	5.0 (21)	10.9	9.2	n/a
HR-4QQG30-01	31601	6.0 (34)	3.8 (21)	9.8	9.4	n/a
HR-G6BKLO-01	31602	8.5 (34)	5.4 (21)	13.8	8.8	n/a
HR-XRT0Y9-01	31603	14.1 (34)	7.3 (21)	21.4	7.9	n/a
HR-7CXVRX-01	31604	21.8 (34)	4.0 (21)	25.8	7.4	n/a
HR-V9VB71-01	31605	28.4 (34)	5.1 (21)	33.5	6.6	n/a
HR-188BZI-01	31606	22.9 (34)	7.3 (21)	30.1	6.9	n/a
HR-KBVYYS-01	31607	8.6 (34)	5.9 (21)	14.5	8.7	n/a
HR-TQQGVA-01	31608	6.0 (34)	4.3 (21)	10.3	9.3	n/a
HR-BDQY97-01	31701	5.8 (34)	4.3 (21)	10.2	9.3	n/a
HR-QQAS4M-01	31702	8.9 (34)	7.0 (21)	15.8	8.5	n/a
HR-GDSV6R-01	31703	14.9 (34)	8.4 (21)	23.3	7.7	n/a
HR-1ZKBAX-01	31704	23.6 (34)	4.5 (21)	28.1	7.2	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-WMKDWB-01	31705	29.3 (34)	5.9 (21)	35.2	6.4	n/a
HR-L3ZVT8-01	31706	24.9 (34)	8.6 (21)	33.6	6.6	n/a
HR-8B33GQ-01	31707	8.8 (34)	10.1 (21)	18.8	8.2	n/a
HR-OPSA4Z-01	31708	4.1 (34)	8.9 (21)	13.0	8.9	n/a
HR-LRJOKY-01	31801	6.1 (34)	3.8 (21)	9.9	9.4	n/a
HR-UNCQHW-01	31802	8.6 (34)	5.3 (21)	13.9	8.8	n/a
HR-38SZ7V-01	31803	14.3 (34)	6.9 (21)	21.2	7.9	n/a
HR-Y96P4B-01	31804	22.0 (34)	3.8 (21)	25.9	7.4	n/a
HR-7H16B6-01	31805	28.7 (34)	5.2 (21)	34.0	6.5	n/a
HR-KAU1K1-01	31806	23.0 (34)	7.1 (21)	30.1	6.9	n/a
HR-SQDKBD-01	31807	8.7 (34)	5.7 (21)	14.4	8.7	n/a
HR-QAFNQZ-01	31808	3.6 (34)	8.0 (21)	11.6	9.1	n/a
HR-RQ0CEC-01	31901	6.0 (34)	4.4 (21)	10.4	9.3	n/a
HR-UWNAZE-01	31902	9.0 (34)	6.7 (21)	15.8	8.5	n/a
HR-0M5WM9-01	31903	15.2 (34)	8.1 (21)	23.3	7.7	n/a
HR-RA8QK5-01	31904	23.9 (34)	4.5 (21)	28.5	7.2	n/a
HR-9O6AFX-01	31905	29.6 (34)	5.7 (21)	35.4	6.3	n/a
HR-L28MEZ-01	31906	25.2 (34)	8.5 (21)	33.7	6.5	n/a
HR-UL8OW8-01	31907	9.0 (34)	9.9 (21)	18.8	8.2	n/a
HR-QOEHE2-01	31908	6.3 (34)	4.9 (21)	11.2	9.1	n/a
HR-681PYZ-01	32001	6.3 (34)	3.8 (21)	10.1	9.3	n/a
HR-XM6GTT-01	32002	8.8 (34)	5.2 (21)	13.9	8.8	n/a
HR-6W27M6-01	32003	14.5 (34)	7.2 (21)	21.7	7.9	n/a
HR-PVIG34-01	32004	22.3 (34)	3.8 (21)	26.2	7.4	n/a
HR-0IQI3Q-01	32005	29.1 (34)	5.2 (21)	34.3	6.4	n/a
HR-UE2TIC-01	32006	23.3 (34)	7.0 (21)	30.3	6.9	n/a
HR-TPJ8OK-01	32007	8.9 (34)	5.5 (21)	14.4	8.7	n/a
HR-IS1VHF-01	32008	6.1 (34)	4.1 (21)	10.1	9.3	n/a
HR-999D4V-01	32101	6.0 (34)	4.4 (21)	10.5	9.3	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-F94DE6-01	32102	9.1 (34)	6.9 (21)	16.0	8.4	n/a
HR-EM2T66-01	32103	15.3 (34)	8.4 (21)	23.7	7.7	n/a
HR-2UUW8B-01	32104	24.1 (34)	4.6 (21)	28.7	7.1	n/a
HR-GIS70Z-01	32105	29.8 (34)	5.8 (21)	35.6	6.3	n/a
HR-I2QC4H-01	32107	9.0 (34)	10.1 (21)	19.1	8.2	n/a
HR-9CINZX-01	32108	6.4 (34)	4.9 (21)	11.3	9.1	n/a
HR-97GTI6-01	32201	6.3 (34)	3.8 (21)	10.1	9.3	n/a
HR-W2NU7H-01	32202	8.8 (34)	5.2 (21)	14.0	8.8	n/a
HR-3SEQTQ-01	32203	14.6 (34)	7.0 (21)	21.7	7.9	n/a
HR-4G7W19-01	32204	22.5 (34)	3.8 (21)	26.3	7.4	n/a
HR-EHTX14-01	32205	29.3 (34)	5.2 (21)	34.5	6.4	n/a
HR-U82FO9-01	32206	23.4 (34)	7.0 (21)	30.4	6.9	n/a
HR-PE5BFW-01	32207	9.0 (34)	5.4 (21)	14.4	8.7	n/a
HR-09CLZJ-01	32208	6.2 (34)	4.1 (21)	10.2	9.3	n/a
HR-UOKRFI-01	32301	6.2 (34)	4.5 (21)	10.7	9.2	n/a
HR-2I1Z92-01	32302	9.3 (34)	6.8 (21)	16.1	8.4	n/a
HR-0E9QDQ-01	32303	15.6 (34)	8.3 (21)	23.9	7.6	n/a
HR-JSZ1QS-01	32304	24.4 (34)	4.6 (21)	29.0	7.1	n/a
HR-D90XLA-01	32305	30.2 (34)	5.6 (21)	35.7	6.3	n/a
HR-7HTIXO-01	32306	25.7 (34)	8.7 (21)	34.4	6.4	n/a
HR-8JVNRB-01	32307	9.2 (34)	10.1 (21)	19.3	8.2	n/a
HR-2KQFGE-01	32308	6.5 (34)	4.9 (21)	11.4	9.1	n/a
HR-0CZ2IH-01	32401	6.4 (34)	3.9 (21)	10.4	9.3	n/a
HR-G8OI98-01	32402	9.0 (34)	5.2 (21)	14.2	8.7	n/a
HR-4FLP8W-01	32403	14.9 (34)	7.0 (21)	21.9	7.9	n/a
HR-KFUEKH-01	32404	22.8 (34)	3.9 (21)	26.7	7.3	n/a
HR-G6RURV-01	32405	29.6 (34)	5.0 (21)	34.6	6.4	n/a
HR-F4AGLV-01	32406	23.7 (34)	7.2 (21)	30.9	6.9	n/a
HR-U793OS-01	32407	9.1 (34)	5.7 (21)	14.8	8.6	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-S499HA-01	32408	6.3 (34)	4.1 (21)	10.4	9.3	n/a
HR-M9ZZ2A-01	32501	6.2 (34)	4.4 (21)	10.7	9.2	n/a
HR-9B0GIG-01	32502	9.4 (34)	6.8 (21)	16.2	8.4	n/a
HR-IPF3J8-01	32503	15.8 (34)	8.0 (21)	23.9	7.6	n/a
HR-PIB40L-01	32504	24.7 (34)	4.6 (21)	29.3	7.1	n/a
HR-KX97NS-01	32505	30.5 (34)	5.6 (21)	36.1	6.2	n/a
HR-K2SFHU-01	32506	26.0 (34)	8.5 (21)	34.5	6.4	n/a
HR-SHLD5E-01	32507	9.3 (34)	10.0 (21)	19.4	8.2	n/a
HR-2L9PCD-01	32508	6.7 (34)	4.9 (21)	11.6	9.1	n/a
HR-ZLG060-01	32601	16.3 (34)	6.0 (21)	22.3	7.8	n/a
HR-FAZ1DO-01	32602	17.8 (34)	7.0 (21)	24.8	7.5	n/a
HR-3WTKOG-01	32603	24.4 (34)	7.9 (21)	32.2	6.7	n/a
HR-SGLC44-01	32604	29.1 (34)	5.1 (21)	34.2	6.4	n/a
HR-N56GVP-01	32605	31.7 (34)	6.0 (21)	37.7	6.0	n/a
HR-NHUBS0-01	32606	29.3 (34)	7.6 (21)	36.9	6.1	n/a
HR-473XRW-01	32607	20.0 (34)	8.1 (21)	28.1	7.2	n/a
HR-DBDMP2-01	32608	16.8 (34)	6.6 (21)	23.4	7.7	n/a
HR-LPJLCM-01	3801	7.7 (34)	2.8 (21)	10.5	9.2	n/a
HR-9KHU4J-01	3802	8.7 (34)	6.0 (21)	14.6	8.7	n/a
HR-18DLDJ-01	3803	15.8 (34)	6.7 (21)	22.5	7.8	n/a
HR-0KBMYA-01	3804	22.9 (34)	3.4 (21)	26.3	7.4	n/a
HR-41446A-01	3805	27.5 (34)	4.5 (21)	31.9	6.8	n/a
HR-LIOCN6-01	3806	25.9 (34)	6.9 (21)	32.8	6.6	n/a
HR-4TEUND-01	3807	10.3 (34)	3.8 (21)	14.1	8.7	n/a
HR-08FT1R-01	3808	12.6 (34)	3.9 (21)	16.6	8.4	n/a
HR-FM0XCP-01	3901	5.0 (34)	4.2 (21)	9.2	9.4	n/a
HR-YMV9XT-01	3902	8.0 (34)	6.9 (21)	14.9	8.6	n/a
HR-UYRFFJ-01	3903	13.6 (34)	8.9 (21)	22.5	7.8	n/a
HR-12YNZA-01	3904	22.0 (34)	4.7 (21)	26.7	7.3	n/a

Summary of all dwellings

Certificate number and link	Unit Number	Heating load (load limit) (MJ/m ² .yr)	Cooling load (load limit) (MJ/m ² .yr)	Total load (MJ/m ² .yr)	Star Rating	Whole of Home Rating
HR-KEHH0R-01	3905	27.6 (34)	5.9 (21)	33.4	6.6	n/a
HR-C4338O-01	3906	24.0 (34)	8.7 (21)	32.7	6.7	n/a
HR-UQAYZP-01	3907	7.9 (34)	10.3 (21)	18.3	8.3	n/a
HR-9NYLZL-01	3908	4.2 (34)	9.4 (21)	13.6	8.8	n/a
Averages	152x (Total)	15.4	6.1	21.5	7.9	n/a
Maximum Loads and Minimum Ratings		31.7	10.6	37.7	6.0	n/a

Explanatory notes

About the ratings

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.

NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the energy loads and societal cost. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy production and storage to estimate the home's societal cost. For more details about an individual dwelling's assessment, refer to the individual dwelling's NatHERS Certificate (accessible via link).

Accredited Assessors

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

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

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

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

Disclaimer

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

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

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

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

BASIX™ Certificate

Building Sustainability Index

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

Multi Dwelling

Certificate number: 1771808M_04

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

This certificate is a revision of certificate number 1771808M_03 submitted to the consent authority or certifier on 30 January 2025 with application SSD-70283710.

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

Secretary

Date of issue: Thursday, 25 September 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 HR-UHSVPA-01.

Project summary

Project name	1 Crescent Street Holroyd - Phase 1 (T1,T2)_04
Street address	1 CRESCENT STREET HOLROYD 2142
Local Government Area	CUMBERLAND
Plan type and plan number	Deposited Plan 1241836
Lot No.	700
Section no.	-
No. of residential flat buildings	2
Residential flat buildings: no. of dwellings	545
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0

Project score

Water	✓ 41	Target 40
Thermal Performance	✓ Pass	Target Pass
Energy	✓ 63	Target 63
Materials	✓ -100	Target n/a

Certificate Prepared by

Name / Company Name: Efficient Living Pty Ltd

ABN (if applicable): 82116346082

Description of project

Project address	
Project name	1 Crescent Street Holroyd - Phase 1 (T1,T2)_04
Street address	1 CRESCENT STREET HOLROYD 2142
Local Government Area	CUMBERLAND
Plan type and plan number	Deposited Plan 1241836
Lot No.	700
Section no.	-
Project type	
No. of residential flat buildings	2
Residential flat buildings: no. of dwellings	545
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0
Site details	
Site area (m²)	37904
Roof area (m²)	2156.44
Non-residential floor area (m²)	5166.33
Residential car spaces	784
Non-residential car spaces	76

Common area landscape		
Common area lawn (m²)	237	
Common area garden (m²)	5800	
Area of indigenous or low water use species (m²)	4060	
Assessor details and thermal loads		
Assessor number	HERA10213	
Certificate number	HR-UHSVPA-01	
Climate zone	56	
Project score		
Water	✔ 41	Target 40
Thermal Performance	✔ Pass	Target Pass
Energy	✔ 63	Target 63
Materials	✔ -100	Target n/a

Description of project

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

Residential flat buildings - Building1, 281 dwellings, 36 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
11001	2	77.9	0	0	0
11005	2	77.9	0	0	0
11009	1	53.2	0	0	0
11103	3	105.1	0	0	0
11107	2	81.8	0	0	0
11201	2	77.9	0	0	0
11205	2	77.9	0	0	0
11209	1	53.2	0	0	0
11303	3	105.1	0	0	0
11307	2	81.8	0	0	0
11401	2	77.9	0	0	0
11405	2	77.9	0	0	0
11409	1	53.2	0	0	0
11503	3	105.1	0	0	0
11507	2	81.8	0	0	0
11601	2	77.9	0	0	0
11605	2	77.9	0	0	0
11609	1	53.2	0	0	0
11703	3	105.1	0	0	0
11707	2	81.8	0	0	0
11801	2	77.9	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
11002	3	105.1	0	0	0
11006	2	72.6	0	0	0
11010	2	77.9	0	0	0
11104	2	77.9	0	0	0
11108	2	82.8	0	0	0
11202	3	105.1	0	0	0
11206	2	72.6	0	0	0
11210	2	77.9	0	0	0
11304	2	77.9	0	0	0
11308	2	82.8	0	0	0
11402	3	105.1	0	0	0
11406	2	72.6	0	0	0
11410	2	77.9	0	0	0
11504	2	77.9	0	0	0
11508	2	82.8	0	0	0
11602	3	105.1	0	0	0
11606	2	72.6	0	0	0
11610	2	77.9	0	0	0
11704	2	77.9	0	0	0
11708	2	82.8	0	0	0
11802	3	105.1	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
11003	3	105.1	0	0	0
11007	2	81.8	0	0	0
11101	2	77.9	0	0	0
11105	2	77.9	0	0	0
11109	1	53.2	0	0	0
11203	3	105.1	0	0	0
11207	2	81.8	0	0	0
11301	2	77.9	0	0	0
11305	2	77.9	0	0	0
11309	1	53.2	0	0	0
11403	3	105.1	0	0	0
11407	2	81.8	0	0	0
11501	2	77.9	0	0	0
11505	2	77.9	0	0	0
11509	1	53.2	0	0	0
11603	3	105.1	0	0	0
11607	2	81.8	0	0	0
11701	2	77.9	0	0	0
11705	2	77.9	0	0	0
11709	1	53.2	0	0	0
11803	3	105.1	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
11004	2	77.9	0	0	0
11008	2	82.8	0	0	0
11102	3	105.1	0	0	0
11106	2	72.6	0	0	0
11110	2	77.9	0	0	0
11204	2	77.9	0	0	0
11208	2	82.8	0	0	0
11302	3	105.1	0	0	0
11306	2	72.6	0	0	0
11310	2	77.9	0	0	0
11404	2	77.9	0	0	0
11408	2	82.8	0	0	0
11502	3	105.1	0	0	0
11506	2	72.6	0	0	0
11510	2	77.9	0	0	0
11604	2	77.9	0	0	0
11608	2	82.8	0	0	0
11702	3	105.1	0	0	0
11706	2	72.6	0	0	0
11710	2	77.9	0	0	0
11804	2	77.9	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
11805	2	77.9	0	0	0
11809	1	53.2	0	0	0
11903	3	105.1	0	0	0
11907	2	81.8	0	0	0
12001	2	77.9	0	0	0
12005	2	77.9	0	0	0
12009	1	53.2	0	0	0
12103	3	105.1	0	0	0
12107	2	81.8	0	0	0
12201	2	77.9	0	0	0
12205	2	77.9	0	0	0
12209	1	53.2	0	0	0
12303	3	105.1	0	0	0
12307	2	81.8	0	0	0
12401	2	77.9	0	0	0
12405	2	77.9	0	0	0
12409	1	53.2	0	0	0
12503	3	105.1	0	0	0
12507	2	81.8	0	0	0
12601	2	77.9	0	0	0
12605	2	77.9	0	0	0
12609	1	53.2	0	0	0
12703	3	105.1	0	0	0
12707	2	81.8	0	0	0
12801	2	77.9	0	0	0
12805	2	77.9	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
11806	2	72.6	0	0	0
11810	2	77.9	0	0	0
11904	2	77.9	0	0	0
11908	2	82.8	0	0	0
12002	3	105.1	0	0	0
12006	2	72.6	0	0	0
12010	2	77.9	0	0	0
12104	2	77.9	0	0	0
12108	2	82.8	0	0	0
12202	3	105.1	0	0	0
12206	2	72.6	0	0	0
12210	2	77.9	0	0	0
12304	2	77.9	0	0	0
12308	2	82.8	0	0	0
12402	3	105.1	0	0	0
12406	2	72.6	0	0	0
12410	2	77.9	0	0	0
12504	2	77.9	0	0	0
12508	2	82.8	0	0	0
12602	3	105.1	0	0	0
12606	2	72.6	0	0	0
12610	2	77.9	0	0	0
12704	2	77.9	0	0	0
12708	2	82.8	0	0	0
12802	3	105.1	0	0	0
12806	2	72.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
11807	2	81.8	0	0	0
11901	2	77.9	0	0	0
11905	2	77.9	0	0	0
11909	1	53.2	0	0	0
12003	3	105.1	0	0	0
12007	2	81.8	0	0	0
12101	2	77.9	0	0	0
12105	2	77.9	0	0	0
12109	1	53.2	0	0	0
12203	3	105.1	0	0	0
12207	2	81.8	0	0	0
12301	2	77.9	0	0	0
12305	2	77.9	0	0	0
12309	1	53.2	0	0	0
12403	3	105.1	0	0	0
12407	2	81.8	0	0	0
12501	2	77.9	0	0	0
12505	2	77.9	0	0	0
12509	1	53.2	0	0	0
12603	3	105.1	0	0	0
12607	2	81.8	0	0	0
12701	2	77.9	0	0	0
12705	2	77.9	0	0	0
12709	1	53.2	0	0	0
12803	3	105.1	0	0	0
12807	2	81.8	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
11808	2	82.8	0	0	0
11902	3	105.1	0	0	0
11906	2	72.6	0	0	0
11910	2	77.9	0	0	0
12004	2	77.9	0	0	0
12008	2	82.8	0	0	0
12102	3	105.1	0	0	0
12106	2	72.6	0	0	0
12110	2	77.9	0	0	0
12204	2	77.9	0	0	0
12208	2	82.8	0	0	0
12302	3	105.1	0	0	0
12306	2	72.6	0	0	0
12310	2	77.9	0	0	0
12404	2	77.9	0	0	0
12408	2	82.8	0	0	0
12502	3	105.1	0	0	0
12506	2	72.6	0	0	0
12510	2	77.9	0	0	0
12604	2	77.9	0	0	0
12608	2	82.8	0	0	0
12702	3	105.1	0	0	0
12706	2	72.6	0	0	0
12710	2	77.9	0	0	0
12804	2	77.9	0	0	0
12808	2	82.8	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)
12809	1	53.2	0	0	0
12903	3	105.1	0	0	0
12907	2	81.8	0	0	0
13001	2	77.9	0	0	0
13005	2	77.9	0	0	0
13009	1	53.2	0	0	0
13103	3	105.1	0	0	0
13107	2	81.8	0	0	0
13201	2	77.9	0	0	0
13205	2	77.9	0	0	0
13209	1	53.2	0	0	0
13303	3	105.1	0	0	0
13307	2	81.8	0	0	0
13401	2	77.9	0	0	0
13405	2	77.9	0	0	0
13409	1	53.2	0	0	0
13503	3	105.1	0	0	0
13601	2	77.9	0	0	0
13605	2	77.9	0	0	0
1803	3	105.1	0	0	0
1807	2	81.8	0	0	0
1902	3	105.1	0	0	0
1906	2	72.6	0	0	0
1910	2	77.9	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)
12810	2	77.9	0	0	0
12904	2	77.9	0	0	0
12908	2	82.8	0	0	0
13002	3	105.1	0	0	0
13006	2	72.6	0	0	0
13010	2	77.9	0	0	0
13104	2	77.9	0	0	0
13108	2	82.8	0	0	0
13202	3	105.1	0	0	0
13206	2	72.6	0	0	0
13210	2	77.9	0	0	0
13304	2	77.9	0	0	0
13308	2	82.8	0	0	0
13402	3	105.1	0	0	0
13406	2	72.6	0	0	0
13410	2	77.9	0	0	0
13504	2	77.9	0	0	0
13602	3	105.1	0	0	0
13606	2	77.9	0	0	0
1804	2	77.9	0	0	0
1808	2	82.9	0	0	0
1903	3	105.1	0	0	0
1907	2	81.8	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)
12901	2	77.9	0	0	0
12905	2	77.9	0	0	0
12909	1	53.2	0	0	0
13003	3	105.1	0	0	0
13007	2	81.8	0	0	0
13101	2	77.9	0	0	0
13105	2	77.9	0	0	0
13109	1	53.2	0	0	0
13203	3	105.1	0	0	0
13207	2	81.8	0	0	0
13301	2	77.9	0	0	0
13305	2	77.9	0	0	0
13309	1	53.2	0	0	0
13403	3	105.1	0	0	0
13407	2	81.8	0	0	0
13501	2	77.9	0	0	0
13505	2	77.9	0	0	0
13603	3	105.1	0	0	0
1801	2	77.9	0	0	0
1805	2	77.9	0	0	0
1809	2	77.9	0	0	0
1904	2	77.9	0	0	0
1908	2	82.8	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)
12902	3	105.1	0	0	0
12906	2	72.6	0	0	0
12910	2	77.9	0	0	0
13004	2	77.9	0	0	0
13008	2	82.8	0	0	0
13102	3	105.1	0	0	0
13106	2	72.6	0	0	0
13110	2	77.9	0	0	0
13204	2	77.9	0	0	0
13208	2	82.8	0	0	0
13302	3	105.1	0	0	0
13306	2	72.6	0	0	0
13310	2	77.9	0	0	0
13404	2	77.9	0	0	0
13408	2	82.8	0	0	0
13502	3	105.1	0	0	0
13506	2	77.9	0	0	0
13604	2	77.9	0	0	0
1802	3	105.1	0	0	0
1806	2	73	0	0	0
1901	2	77.9	0	0	0
1905	2	77.9	0	0	0
1909	1	53.2	0	0	0

Residential flat buildings - Building2, 264 dwellings, 33 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)	Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)	Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
21001	2	84.5	0	0	0	21002	2	80.6	0	0	0	21003	3	96.4	0	0	0
21005	2	79.3	0	0	0	21006	2	76.5	0	0	0	21007	3	107.4	0	0	0
21101	2	84.5	0	0	0	21102	2	80.6	0	0	0	21103	3	96.4	0	0	0
21105	2	79.3	0	0	0	21106	2	76.5	0	0	0	21107	3	107.4	0	0	0
21201	2	84.5	0	0	0	21202	2	80.6	0	0	0	21203	3	96.4	0	0	0
21205	2	79.3	0	0	0	21206	2	76.5	0	0	0	21207	3	107.4	0	0	0
21301	2	84.5	0	0	0	21302	2	80.6	0	0	0	21303	3	96.4	0	0	0
21305	2	79.3	0	0	0	21306	2	76.5	0	0	0	21307	3	107.4	0	0	0
21401	2	84.5	0	0	0	21402	2	80.6	0	0	0	21403	3	96.4	0	0	0
21405	2	79.3	0	0	0	21406	2	76.5	0	0	0	21407	3	107.4	0	0	0
21501	2	84.5	0	0	0	21502	2	80.6	0	0	0	21503	3	96.4	0	0	0
21505	2	79.3	0	0	0	21506	2	76.5	0	0	0	21507	3	107.4	0	0	0
21601	2	84.5	0	0	0	21602	2	80.6	0	0	0	21603	3	96.4	0	0	0
21605	2	79.3	0	0	0	21606	2	76.5	0	0	0	21607	3	107.4	0	0	0
21701	2	84.5	0	0	0	21702	2	80.6	0	0	0	21703	3	96.4	0	0	0
21705	2	79.3	0	0	0	21706	2	76.5	0	0	0	21707	3	107.4	0	0	0
21801	2	84.5	0	0	0	21802	2	80.6	0	0	0	21803	3	96.4	0	0	0
21805	2	79.3	0	0	0	21806	2	76.5	0	0	0	21807	3	107.4	0	0	0
21901	2	84.5	0	0	0	21902	2	80.6	0	0	0	21903	3	96.4	0	0	0
21905	2	79.3	0	0	0	21906	2	76.5	0	0	0	21907	3	107.4	0	0	0
22001	2	84.5	0	0	0	22002	2	80.6	0	0	0	22003	3	96.4	0	0	0
22005	2	79.3	0	0	0	22006	2	76.5	0	0	0	22007	3	107.4	0	0	0
22101	2	84.5	0	0	0	22102	2	80.6	0	0	0	22103	3	96.4	0	0	0
22105	2	79.3	0	0	0	22106	2	76.5	0	0	0	22107	3	107.4	0	0	0
22201	2	84.5	0	0	0	22202	2	80.6	0	0	0	22203	3	96.4	0	0	0
21004	2	79.3	0	0	0	21008	1	63	0	0	0	21104	2	79.3	0	0	0
21104	2	79.3	0	0	0	21108	1	63	0	0	0	21204	2	79.3	0	0	0
21204	2	79.3	0	0	0	21208	1	63	0	0	0	21304	2	79.3	0	0	0
21304	2	79.3	0	0	0	21308	1	63	0	0	0	21404	2	79.3	0	0	0
21404	2	79.3	0	0	0	21408	1	63	0	0	0	21504	2	79.3	0	0	0
21504	2	79.3	0	0	0	21508	1	63	0	0	0	21604	2	79.3	0	0	0
21604	2	79.3	0	0	0	21608	1	63	0	0	0	21704	2	79.3	0	0	0
21704	2	79.3	0	0	0	21708	1	63	0	0	0	21804	2	79.3	0	0	0
21804	2	79.3	0	0	0	21808	1	63	0	0	0	21904	2	79.3	0	0	0
21904	2	79.3	0	0	0	21908	1	63	0	0	0	22004	2	79.3	0	0	0
22004	2	79.3	0	0	0	22008	1	63	0	0	0	22104	2	79.3	0	0	0
22104	2	79.3	0	0	0	22108	1	63	0	0	0	22204	2	79.3	0	0	0
22204	2	79.3	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)
22205	2	79.3	0	0	0
22301	2	84.5	0	0	0
22305	2	79.3	0	0	0
22401	2	84.5	0	0	0
22405	2	79.3	0	0	0
22501	2	84.5	0	0	0
22505	2	79.3	0	0	0
22601	2	84.5	0	0	0
22605	2	79.3	0	0	0
22701	2	84.5	0	0	0
22705	2	79.3	0	0	0
22801	2	84.5	0	0	0
22805	2	79.3	0	0	0
22901	2	84.5	0	0	0
22905	2	79.3	0	0	0
23001	2	84.5	0	0	0
23005	2	79.3	0	0	0
23101	2	84.5	0	0	0
23105	2	79.3	0	0	0
23201	2	84.5	0	0	0
23205	2	79.3	0	0	0
23301	2	84.5	0	0	0
23305	2	79.3	0	0	0
23401	2	84.5	0	0	0
23501	2	84.5	0	0	0
2801	2	84.5	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)
22206	2	76.5	0	0	0
22302	2	80.6	0	0	0
22306	2	76.5	0	0	0
22402	2	80.6	0	0	0
22406	2	76.5	0	0	0
22502	2	80.6	0	0	0
22506	2	76.5	0	0	0
22602	2	80.6	0	0	0
22606	2	76.5	0	0	0
22702	2	80.6	0	0	0
22706	2	76.5	0	0	0
22802	2	80.6	0	0	0
22806	2	76.5	0	0	0
22902	2	80.6	0	0	0
22906	2	76.5	0	0	0
23002	2	80.6	0	0	0
23006	2	76.5	0	0	0
23102	2	80.6	0	0	0
23106	2	76.5	0	0	0
23202	2	80.6	0	0	0
23206	2	76.5	0	0	0
23302	2	80.6	0	0	0
23306	2	76.5	0	0	0
23402	2	80.6	0	0	0
23502	2	80.6	0	0	0
2802	2	80.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
22207	3	107.4	0	0	0
22303	3	96.4	0	0	0
22307	3	107.4	0	0	0
22403	3	96.4	0	0	0
22407	3	107.4	0	0	0
22503	3	96.4	0	0	0
22507	3	107.4	0	0	0
22603	3	96.4	0	0	0
22607	3	107.4	0	0	0
22703	3	96.4	0	0	0
22707	3	107.4	0	0	0
22803	3	96.4	0	0	0
22807	3	107.4	0	0	0
22903	3	96.4	0	0	0
22907	3	107.4	0	0	0
23003	3	96.4	0	0	0
23007	3	107.4	0	0	0
23103	3	96.4	0	0	0
23107	3	107.4	0	0	0
23203	3	96.4	0	0	0
23207	3	107.4	0	0	0
23303	3	96.4	0	0	0
23307	3	107.4	0	0	0
23403	3	107.4	0	0	0
23503	3	107.4	0	0	0
2803	3	96.4	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)
22208	1	63	0	0	0
22304	2	79.3	0	0	0
22308	1	63	0	0	0
22404	2	79.3	0	0	0
22408	1	63	0	0	0
22504	2	79.3	0	0	0
22508	1	63	0	0	0
22604	2	79.3	0	0	0
22608	1	63	0	0	0
22704	2	79.3	0	0	0
22708	1	63	0	0	0
22804	2	79.3	0	0	0
22808	1	63	0	0	0
22904	2	79.3	0	0	0
22908	1	63	0	0	0
23004	2	79.3	0	0	0
23008	1	63	0	0	0
23104	2	79.3	0	0	0
23108	1	63	0	0	0
23204	2	79.3	0	0	0
23208	1	63	0	0	0
23304	2	79.3	0	0	0
23308	1	63	0	0	0
23404	1	63	0	0	0
23504	1	63	0	0	0
2804	2	79.3	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)
2805	2	79.3	0	0	0
2901	2	84.5	0	0	0
2905	2	79.3	0	0	0
P201	3	100.7	0	0	0
P205	2	79.3	0	0	0
P301	3	100.7	0	0	0
P305	2	79.3	0	0	0
P401	3	100.7	0	0	0
P405	2	79.3	0	0	0
P501	3	76.5	0	0	0
P505	2	90.6	0	0	0
P601	3	100.7	0	0	0
P605	2	79.3	0	0	0
P701	3	76.5	0	0	0
P705	2	90.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
2806	2	76.5	0	0	0
2902	2	80.6	0	0	0
2906	2	76.5	0	0	0
P202	3	101.3	0	0	0
P206	2	79.3	0	0	0
P302	3	101.3	0	0	0
P306	2	79.3	0	0	0
P402	3	101.3	0	0	0
P406	2	76.5	0	0	0
P502	3	101.3	0	0	0
P506	2	79.3	0	0	0
P602	3	101.3	0	0	0
P606	2	76.5	0	0	0
P702	3	101.3	0	0	0
P706	2	79.3	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)
2807	3	107.4	0	0	0
2903	3	96.4	0	0	0
2907	3	107.4	0	0	0
P203	3	101.3	0	0	0
P207	2	76.5	0	0	0
P303	3	101.3	0	0	0
P307	2	76.5	0	0	0
P403	3	79.3	0	0	0
P407	2	101.3	0	0	0
P503	3	100.7	0	0	0
P507	2	101.3	0	0	0
P603	3	79.3	0	0	0
P607	2	101.3	0	0	0
P703	3	99.8	0	0	0
P707	2	101.3	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	1	63	0	0	0
2904	2	79.3	0	0	0
2908	1	63	0	0	0
P204	1	65.7	0	0	0
P208	2	90.6	0	0	0
P304	1	65.7	0	0	0
P308	2	90.6	0	0	0
P404	1	65.7	0	0	0
P408	2	90.6	0	0	0
P504	1	79.3	0	0	0
P508	2	65.7	0	0	0
P604	1	65.7	0	0	0
P608	2	90.6	0	0	0
P704	1	79.3	0	0	0
P708	2	65.7	0	0	0

Description of project

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

Common areas of the development (non-building specific)

Common area	Floor area (m²)	Common area	Floor area (m²)	Common area	Floor area (m²)
Car park area	35391.15	Garbage rooms	866.13	Plant/Services	442.23
Open Plant/Services	72.04	Communal area	53.17	Ground floor lobby	196
Hallway/lobby type	4680.56				

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - Building1

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance

(c) Common areas and central systems/facilities

(i) Water

(ii) Energy

2. Commitments for Residential flat buildings - Building2

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance

(c) Common areas and central systems/facilities

(i) Water

(ii) Energy

3. Commitments for multi-dwelling housing

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

4. Commitments for single dwelling houses

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

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

(a) Buildings 'Other'

(i) Materials

(b) Common areas and central systems/facilities

(i) Water

(ii) Energy

Schedule of BASIX commitments

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

1. Commitments for Residential flat buildings - Building1

(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 open subfloor, frame: suspended concrete slab	759.6	-	-
suspended floor above enclosed subfloor, frame: suspended concrete slab	54	-	-
floors above habitable rooms, frame: suspended concrete slab	22129	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (metal clad), frame: light steel frame	14205.2	-	-
External wall type 2	off form concrete, frame: no frame	2560.1	none	-

Internal wall types			
Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	16728.9	-
Internal wall type 2	75 mm AAC panel, frame:light steel frame	9646.7	-

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
concrete - plasterboard internal, frame: no frame	1177.32	-	-

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)
-	6999	-	6999	-	-	-	-

(b) Dwellings

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

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	5 star	5 star	-	not specified	4 star	-	-	-	-	-	-	-

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

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and		✓	✓
(cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓	
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	

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

	Cooling		Heating		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 3.0 - 3.5	1-phase airconditioning - ducted / EER 3.0 - 3.5	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	-	-	-	-	-	gas cooktop & electric oven	4 star	8.0 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 (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓
(i) The applicant must show on The plans accompanying The development application for The proposed development, The locations of ceiling fans set out in The Assessor Certificate.	✓		
(j) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), the locations of ceiling fans set out in the Assessor Certificate.		✓	

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
11001	18.1	7.3	25.400
11002	5.6	10.4	16.000
11003	5.6	9.7	15.300
11004	19.7	6.4	26.100

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
11005	20	8.8	28.800
11006	16.3	7.6	23.900
11007	13.3	3	16.300
11008	18.1	2.9	21.000
11009	4.6	8.7	13.300
11010	23.4	5.4	28.800
11101	18.4	7.3	25.700
11102	5.7	10.5	16.200
11103	5.6	9.5	15.100
11104	20	6.4	26.400
11105	20.3	8.7	29.000
11106	16.5	7.4	23.900
11107	13.6	3.2	16.800
11108	18.4	2.9	21.300
11109	4.7	8.7	13.400
11110	23.8	5.4	29.200
11201	18.6	7.3	25.900
11202	5.7	10.7	16.400
11203	5.7	9.5	15.200
11204	20.2	6.3	26.500
11205	20.5	8.7	29.200
11206	16.7	7.3	24.000
11208	18.5	2.9	21.400
11210	23.9	5.4	29.300
11301	18.7	7.3	26.000
11302	5.8	10.7	16.500
11304	20.3	6.3	26.600
11305	20.7	8.7	29.400
11306	16.8	7.4	24.200
11307	13.8	3	16.800
11308	18.7	3	21.700

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
11310	24.1	5.4	29.500
11401	18.9	7.2	26.100
11402	5.9	10.8	16.700
11404	20.5	6.5	27.000
11405	20.8	8.6	29.400
11406	17	7.3	24.300
11407	13.9	3	16.900
11408	18.8	3	21.800
11409	4.9	8.5	13.400
11410	24.3	5.4	29.700
11501	19.2	7.1	26.300
11502	5.9	10.6	16.500
11503	6	9.6	15.600
11504	20.9	6.4	27.300
11505	21.2	8.8	30.000
11506	17.2	7.1	24.300
11507	14	3	17.000
11508	19.1	3	22.100
11509	5	8.6	13.600
11510	24.6	5.4	30.000
11601	19.4	7	26.400
11602	6.1	10.7	16.800
11603	6.1	9.7	15.800
11604	21.1	6.5	27.600
11605	21.4	8.7	30.100
11606	17.4	7.3	24.700
11608	19.4	3.1	22.500
11609	5.2	8.7	13.900
11610	24.8	5.7	30.500
11701	19.5	7.1	26.600
11702	6.3	10.6	16.900

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
11703	6.6	9.5	16.100
11704	21.3	6.5	27.800
11705	21.6	8.5	30.100
11706	17.6	7.3	24.900
11707	14.9	3.2	18.100
11708	19.3	3.1	22.400
11709	5.3	8.6	13.900
11710	24.9	5.8	30.700
11801	19.6	7.1	26.700
11802	6.2	10.6	16.800
11804	21.4	6.4	27.800
11805	21.7	8.5	30.200
11806	17.6	7.4	25.000
11807	14.6	3.2	17.800
11808	20.9	3.2	24.100
11809	5.3	7.6	12.900
11810	25	5.5	30.500
11901	19.7	7.1	26.800
11902	6.2	10.5	16.700
11904	21.5	6.4	27.900
11905	21.8	8.4	30.200
11906	17.8	7.2	25.000
11908	19.4	3.2	22.600
11910	25.1	5.6	30.700
12001	19.9	7.1	27.000
12002	6.3	10.7	17.000
12005	22	8.5	30.500
12007	14.4	3.2	17.600
12010	25.3	5.7	31.000
12101	19.8	7.1	26.900
12102	6.2	10.8	17.000

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
12105	22	8.6	30.600
12106	17.9	7.1	25.000
12108	19.5	3.2	22.700
12110	25.2	5.7	30.900
12201	20	7	27.000
12202	6.4	10.7	17.100
12203	6.7	9.3	16.000
12204	21.9	6.4	28.300
12205	22.1	8.7	30.800
12206	18	7.1	25.100
12207	14.6	3.1	17.700
12209	5.5	8.4	13.900
12210	25.4	5.8	31.200
12301	20.1	7.1	27.200
12302	6.4	10.8	17.200
12303	6.8	9.3	16.100
12304	22	6.4	28.400
12305	22.3	8.5	30.800
12306	18.1	7	25.100
12309	5.6	8.2	13.800
12310	25.5	5.9	31.400
12401	20.2	7.1	27.300
12402	6.4	10.6	17.000
12403	6.8	9.5	16.300
12404	22.2	6.5	28.700
12405	22.4	8.4	30.800
12406	18.3	7	25.300
12408	19.5	3.3	22.800
12410	25.6	5.9	31.500
12502	6.5	10.7	17.200
12503	6.9	9.3	16.200

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
12504	22.4	6.5	28.900
12505	22.6	8.6	31.200
12506	18.4	7.1	25.500
12507	15	3.1	18.100
12508	19.5	3.5	23.000
12510	25.6	6.1	31.700
12602	6.4	10.5	16.900
12603	6.9	9.2	16.100
12604	22.5	6.7	29.200
12605	22.7	8.5	31.200
12606	18.5	7.1	25.600
12607	15.2	3.1	18.300
12608	19.4	3.4	22.800
12609	5.8	8.2	14.000
12610	25.7	6.2	31.900
12702	6.7	10.7	17.400
12704	22.6	6.5	29.100
12705	22.8	8.5	31.300
12706	18.6	7	25.600
12707	15.4	3.2	18.600
12708	19.3	3.5	22.800
12709	6	8.7	14.700
12710	25.8	6.3	32.100
12803	7.1	9.3	16.400
12804	22.7	6.5	29.200
12805	22.9	8.2	31.100
12806	18.7	6.9	25.600
12808	19.3	3.4	22.700
12809	5.9	8.4	14.300
12810	25.7	6.7	32.400
12901	20.3	7.4	27.700

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
12903	7.1	9.5	16.600
12906	18.8	6.9	25.700
12908	18.7	3.4	22.100
12909	6	8.6	14.600
12910	25.7	6.9	32.600
13001	20.2	7.5	27.700
13002	6.6	10.7	17.300
13006	18.8	6.7	25.500
13008	18.5	3.7	22.200
13009	6	8.5	14.500
13010	25.6	7	32.600
13101	20.2	8.2	28.400
13102	6.6	10.9	17.500
13104	23	6.5	29.500
13105	23.3	8.4	31.700
13107	15.8	3.1	18.900
13108	18.3	3.9	22.200
13109	6.1	8.6	14.700
13110	25.5	8.3	33.800
13201	20.2	8.5	28.700
13205	23.4	8.2	31.600
13206	19.1	6.9	26.000
13207	16.00	3.00	19.000
13208	17.9	4	21.900
13209	6.2	8.5	14.700
13210	25.4	9.1	34.500
13301	20.1	8.6	28.700
13302	6.5	11.3	17.800
13303	7.2	9.5	16.700
13305	23.4	8.1	31.500
13308	16.8	4.1	20.900

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
13309	6.2	8.6	14.800
13310	25.2	10	35.200
13401	20.1	9.2	29.300
13402	6.5	11.2	17.700
13403	7.2	9.4	16.600
13405	23.8	8.1	31.900
13406	28.4	9	37.400
13407	26.2	4.6	30.800
13408	26.9	5.8	32.700
13409	13.4	9.7	23.100
13410	25.8	10.9	36.700
13501	19.9	9	28.900
13502	6.4	11.3	17.700
13503	7.3	9.8	17.100
13505	28.1	8.5	36.600
13506	26.3	10.4	36.700
13601	24.5	7.8	32.300
13602	14.9	12.4	27.300
13603	15.2	11.3	26.500
13604	26.4	7.2	33.600
13605	29	8.9	37.900
13606	28.4	9.5	37.900
1801	27.3	6.4	33.700
1802	8.1	9.4	17.500
1803	8.8	8.4	17.200
1804	31.1	5.3	36.400
1805	30.5	7.4	37.900
1806	24.9	7.5	32.400
1807	29.9	2.7	32.600
1808	32.3	2.5	34.800
1809	29.6	3.8	33.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
1902	5.5	10.3	15.800
1903	5.5	9.4	14.900
1904	19.5	6.3	25.800
1905	19.9	8.7	28.600
1906	16.1	7.5	23.600
1908	18.9	2.9	21.800
1909	3.7	8.4	12.100
1910	23.3	5.4	28.700
11207, 1907	13.5	3.1	16.600
11209, 11309	4.8	8.8	13.600
11303, 11403	5.8	9.6	15.400
11607, 12107	14.3	3.1	17.400
11803, 11903	6.5	9.3	15.800
12003, 12103	6.6	9.3	15.900
12004, 12104	21.7	6.4	28.100
12006, 1901	17.9	7.2	25.100
12409, 12509	5.7	8	13.700
12501, 12601	20.3	7.1	27.400
12701, 12801	20.3	7.2	27.500
12703, 13203	7.2	9.6	16.800
12904, 13004	22.9	6.5	29.400
12905, 13005	23.1	8.3	31.400
13003, 13103	7.1	9.4	16.500
13106, 13306	19	6.8	25.800
13204, 13304	23.2	6.5	29.700
13404, 13504	23.4	6.5	29.900
11907, 12307, 12407	14.7	3.1	17.800
11909, 12009, 12109	5.4	8.4	13.800
12008, 12208, 12308	19.6	3.2	22.800
12802, 12902, 13202	6.5	10.8	17.300
All other dwellings	15.7	3.1	18.800

(c) Common areas and central systems/facilities

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	no common facility	4 star	5 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 2)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

Central energy systems	Type	Specification
Lift bank (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 29 number of levels from the bottom of the lift shaft to the top of the lift shaft: 37 number of lifts: 4 lift load capacity: >= 1001 kg but <= 1500kg
Central hot water system (No. 1)	gas-fired boiler	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm)

2. Commitments for Residential flat buildings - Building2

(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 open subfloor, frame: suspended concrete slab	294.1	-	-
suspended floor above enclosed subfloor, frame: suspended concrete slab	258	-	-
floors above habitable rooms, frame: suspended concrete slab	21631.5	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (fibre cement sheet or boards), frame: light steel frame	13260.7	-	-
External wall type 2	off form concrete, frame: no frame	909.2	none	-

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame: light steel frame	16485.5	-

Internal wall types			
Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 2	75 mm AAC panel, frame:light steel frame	9605.9	-

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
concrete - plasterboard internal, frame: no frame	979.12	-	-

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)
-	7325.1	-	7325.1	-	-	-	-

(b) Dwellings

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

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	5 star	5 star	-	not specified	4 star	-	-	-	-	-	-	-

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

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and (cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓ ✓	✓
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	Central hot water system (No. 2)	individual fan, ducted to façade or roof	interlocked to light with timer off	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off

	Cooling		Heating		Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bathrooms or toilets	Main kitchen
22505, 22506, 22507, 22508, 22601, 22602, 22603, 22604, 22605, 22606, 22607, 22608	1-phase airconditioning - ducted / EER 3.0 - 3.5	1-phase airconditioning - ducted / EER 3.0 - 3.5	1-phase airconditioning - ducted / EER 3.5 - 4.0	1-phase airconditioning - ducted / EER 3.5 - 4.0	0	-
All other dwellings	1-phase airconditioning - ducted / EER 3.0 - 3.5	1-phase airconditioning - ducted / EER 3.0 - 3.5	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	-	-	-	-	-	gas cooktop & electric oven	4 star	8.0 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 (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓
(i) The applicant must show on The plans accompanying The development application for The proposed development, The locations of ceiling fans set out in The Assessor Certificate.	✓		
(j) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), the locations of ceiling fans set out in the Assessor Certificate.		✓	

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
21001	31.2	3.6	34.800
21002	29.9	5	34.900
21003	23.1	9.7	32.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
21004	15.9	8.6	24.500
21005	18.8	8.8	27.600
21006	9.30	17.9	27.200
21007	4.3	5.4	9.700
21008	24.1	4.5	28.600
21101	31.5	3.6	35.100
21104	16.3	8.7	25.000
21105	19.1	8.8	27.900
21106	9.5	17.5	27.000
21107	4.1	5.6	9.700
21108	24.4	4.6	29.000
21201	33	3.6	36.600
21202	31.6	4.8	36.400
21203	25	9.1	34.100
21204	18.2	8.4	26.600
21205	21.3	9.4	30.700
21206	10.3	16.2	26.500
21207	4.2	5.5	9.700
21208	26.3	4.5	30.800
21301	31.8	3.6	35.400
21302	30.40	4.9	35.300
21303	23.6	9.6	33.200
21304	16.5	8.4	24.900
21305	19.5	8.7	28.200
21306	9.7	17.6	27.300
21307	4.2	5.6	9.800
21308	24.8	4.7	29.500
21401	31.9	3.6	35.500
21402	30.4	4.9	35.300
21403	23.7	9.6	33.300
21404	16.7	8.3	25.000

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
21405	19.6	9.2	28.800
21406	9.8	17.7	27.500
21407	4.3	5.5	9.800
21408	24.9	4.7	29.600
21501	32.2	3.5	35.700
21503	24	9.5	33.500
21504	17	8.5	25.500
21505	20	9.1	29.100
21506	10	17.1	27.100
21507	4.4	5.4	9.800
21508	25.3	4.7	30.000
21601	32.3	3.5	35.800
21602	30.8	4.8	35.600
21603	24.1	9.7	33.800
21604	17.1	8.6	25.700
21605	20.1	9.3	29.400
21606	10.1	17.4	27.500
21607	4.5	5.4	9.900
21608	25.5	4.7	30.200
21701	33.6	3.5	37.100
21702	31.4	4.7	36.100
21703	25.5	9.3	34.800
21704	19.2	8.2	27.400
21705	22.3	8.4	30.700
21706	10.8	15.8	26.600
21707	4.6	5.4	10.000
21708	27.4	4.5	31.900
21801	32.6	3.5	36.100
21803	24.3	9.5	33.800
21804	17.5	8.4	25.900
21805	20.4	9.2	29.600

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
21806	10.4	17.2	27.600
21807	4.60	5.4	10.000
21808	25.8	4.7	30.500
21901	32.8	3.6	36.400
21902	31.1	5.2	36.300
21903	24.4	9.6	34.000
21904	17.7	8.5	26.200
21905	20.6	9.3	29.900
21906	10.5	16.6	27.100
21907	4.8	5.5	10.300
21908	26	4.5	30.500
22001	31	3.8	34.800
22002	30.4	4.8	35.200
22003	24.9	9.5	34.400
22005	21.1	8.7	29.800
22006	10.7	15.4	26.100
22008	22.1	5.2	27.300
22101	29.3	3.9	33.200
22102	29.9	4.9	34.800
22103	24.8	9.5	34.300
22105	21.1	8.9	30.000
22106	10.8	15.3	26.100
22108	22.1	5.3	27.400
22201	30.7	4.1	34.800
22203	26.3	8.7	35.000
22204	20.1	8.1	28.200
22205	23.4	8	31.400
22206	11.4	14	25.400
22207	5	5.2	10.200
22208	23.9	5.4	29.300
22301	29.5	4.8	34.300

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
22302	30.2	4.9	35.100
22303	25	9.5	34.500
22304	18.5	8.7	27.200
22305	21.5	8.7	30.200
22306	10.9	15.2	26.100
22307	5.3	5.4	10.700
22308	22.4	5	27.400
22401	29.5	5.1	34.600
22403	25	9.6	34.600
22404	18.6	8.5	27.100
22405	21.6	8.7	30.300
22406	11.2	15.7	26.900
22407	5.2	5.3	10.500
22408	22.5	4.9	27.400
22501	29.4	5.6	35.000
22502	30	5	35.000
22503	25.1	9.5	34.600
22504	18.7	8.8	27.500
22505	21.8	8.7	30.500
22506	11.3	15.6	26.900
22507	5.3	5.3	10.600
22508	22.6	5.1	27.700
22601	29.2	6	35.200
22602	29.7	5.2	34.900
22603	25.1	9.7	34.800
22604	18.8	8.5	27.300
22605	21.9	8.8	30.700
22606	11.4	15.5	26.900
22607	5.5	5.4	10.900
22608	22.5	5.2	27.700
22701	31.5	6.5	38.000

	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)
22703	26.9	8.8	35.700
22704	23.1	7.8	30.900
22705	24.7	8.1	32.800
22706	12.1	14	26.100
22707	5.5	5.3	10.800
22708	24.5	5.5	30.000
22801	29.9	6.7	36.600
22802	29.1	5.3	34.400
22804	19.4	8.4	27.800
22805	22.5	8.7	31.200
22806	11.7	14.9	26.600
22807	5.4	5.5	10.900
22901	29.8	7.8	37.600
22902	29	5.5	34.500
22904	19.6	8.4	28.000
22905	22.6	8.7	31.300
22906	11.8	14.5	26.300
22907	5.5	5.9	11.400
23001	29.1	7.7	36.800
23002	28.4	5.6	34.000
23003	25.2	10.8	36.000
23006	11.6	14.7	26.300
23007	5.60	6.1	11.700
23008	22.4	6.4	28.800
23101	28	7.8	35.800
23102	27.4	5.7	33.100
23103	25.2	10.7	35.900
23106	12.1	15.5	27.600
23107	5.6	6.4	12.000
23108	21.9	7.2	29.100
23201	25.3	7.8	33.100

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
23202	25.3	5.8	31.100
23203	25.3	10.7	36.000
23204	19.9	8.4	28.300
23205	23	8.7	31.700
23206	11.8	15.3	27.100
23207	5.7	6.7	12.400
23208	21.6	7.4	29.000
23301	22.9	8.2	31.100
23302	23.7	6.2	29.900
23303	25.6	11.8	37.400
23304	22.6	9	31.600
23305	25.2	9	34.200
23306	16.7	15	31.700
23307	5.8	7.5	13.300
23308	21	7.3	28.300
23401	21.9	8.3	30.200
23402	27.4	6.5	33.900
23403	7.8	8.1	15.900
23404	20.3	6.8	27.100
23501	24.2	9.2	33.400
23502	30.4	7.4	37.800
23503	17.4	10.9	28.300
23504	27	9.3	36.300
2801	30.4	2.7	33.100
2802	31.9	3.5	35.400
2803	23.2	10.4	33.600
2804	15.6	8.7	24.300
2805	18.3	8.6	26.900
2806	10	16.7	26.700
2807	4.5	5.2	9.700
2808	20.3	4.8	25.100

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
2901	31	3.7	34.700
2902	29.8	4.9	34.700
2903	22.9	9.7	32.600
2904	15.9	8.7	24.600
2905	18.6	8.8	27.400
2906	9.1	17.5	26.600
2907	3.9	5.6	9.500
2908	23.9	4.5	28.400
P201	20.2	11.8	32.000
P202	11.3	12.6	23.900
P203	11	11.1	22.100
P204	14.9	15	29.900
P205	10.7	10.8	21.500
P206	11.9	12	23.900
P207	3.3	15	18.300
P208	9.3	11.7	21.000
P302	11.1	11.3	22.400
P303	12.6	8.3	20.900
P304	14.1	13.1	27.200
P305	11.6	9.6	21.200
P306	12.8	10.1	22.900
P307	3.1	15	18.100
P308	9.7	10.7	20.400
P401	22.5	9.2	31.700
P402	10.9	10.6	21.500
P403	13	9.2	22.200
P404	15.9	12	27.900
P405	12.8	9.5	22.300
P406	13.8	10.2	24.000
P407	4.5	19.5	24.000
P408	10.3	10.6	20.900

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
P501	24.6	9.2	33.800
P502	12.1	11.2	23.300
P503	13.6	8.2	21.800
P504	14.9	12.9	27.800
P505	13.2	9.3	22.500
P506	14.3	10	24.300
P507	3.4	10.8	14.200
P508	10.6	10.4	21.000
P601	24.4	9.4	33.800
P602	11.5	10.7	22.200
P603	13.6	8.9	22.500
P604	16.5	11.4	27.900
P605	13.5	9.2	22.700
P606	14.6	10	24.600
P607	3.5	11.2	14.700
P608	10.8	10.3	21.100
P701	27.3	6.7	34.000
P702	24	13.8	37.800
P703	25.1	10.4	35.500
P704	15.2	12.9	28.100
P705	13.9	9.1	23.000
P706	15.1	9.8	24.900
P707	3.7	10.5	14.200
P708	11.2	10.3	21.500
21102, 22402	30.1	4.9	35.000
21103, P301	23.4	9.6	33.000
21502, 22702	30.7	4.9	35.600
21802, 22202	30.9	4.8	35.700
22004, 22104	18.1	8.7	26.800
22007, 22107	4.9	5.2	10.100
22803, 22903	25.3	10.8	36.100

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
22808, 22908	22.9	5.7	28.600
23004, 23104	19.7	8.4	28.100
All other dwellings	22.8	8.7	31.500

(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	no common facility	4 star	5 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 3)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Lift bank (No. 1)	-	-	light-emitting diode	connected to lift call button	no
Lift bank (No. 2)	-	-	light-emitting diode	connected to lift call button	no

Central energy systems	Type	Specification
Lift bank (No. 2)	gearless traction with V V V F motor	Number of levels (including basement): 32 number of levels from the bottom of the lift shaft to the top of the lift shaft: 35 number of lifts: 3 lift load capacity: >= 1001 kg but <= 1500kg
Central hot water system (No. 2)	gas-fired boiler	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm)

3. Commitments for multi-dwelling housing

(a) Dwellings

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(d) The applicant must install the cooling and heating system/s specified for the dwelling under the "Living areas" and "Bedroom areas" headings of the "Cooling" and "Heating" columns in the table below, in/for at least 1 living/bedroom area of the dwelling. If no cooling or heating system is specified in the table for "Living areas" or "Bedroom areas", then no systems may be installed in any such areas. If the term "zoned" is specified beside an air conditioning system, then the system must provide for day/night zoning between living areas and bedrooms.		✓	✓
(e) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Artificial lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that the "primary type of artificial lighting" for each such room in the dwelling is fluorescent lighting or light emitting diode (LED) lighting. If the term "dedicated" is specified for a particular room or area, then the light fittings in that room or area must only be capable of being used for fluorescent lighting or light emitting diode (LED) lighting.		✓	✓
(f) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Natural lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that each such room or area is fitted with a window and/or skylight.	✓	✓	✓
(g) This commitment applies if the applicant installs a water heating system for the dwelling's pool or spa. The applicant must: (aa) install the system specified for the pool in the "Individual Pool" column of the table below (or alternatively must not install any system for the pool). If specified, the applicant must install a timer, to control the pool's pump; and (bb) install the system specified for the spa in the "Individual Spa" column of the table below (or alternatively must not install any system for the spa). If specified, the applicant must install a timer to control the spa's pump.		✓ ✓	
(h) The applicant must install in the dwelling: (aa) the kitchen cook-top and oven specified for that dwelling in the "Appliances & other efficiency measures" column of the table below; (bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and (cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓ ✓ ✓	✓
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	
(iii) Thermal Performance and Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			

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

4. 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.		✓	

5. 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
garage floor, frame: concrete slab on ground	779.12	-	none
garage floor, frame: suspended concrete slab	34612.03	-	none
suspended floor above enclosed subfloor, frame: suspended concrete slab	6310.14	-	-
suspended floor above open subfloor, frame: suspended concrete slab	6468	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	off form concrete, frame: no frame	2000	none	-

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
-	-	-	-

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

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

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

(b) Common areas and central systems/facilities

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	no common facility	4 star	5 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Swimming pool (No. 1)	Volume: 135 kLs	Location: Other Pool shaded: no	-
Central water tank - rainwater or stormwater (No. 1)	10000	To collect run-off from at least: - 1220 square metres of roof area of buildings in the development - 0 square metres of impervious area in the development - 0 square metres of garden/lawn area in the development - 0 square metres of planter box area in the development (excluding, in each case, any area which drains to, or supplies, any other alternative water supply system).	- irrigation of 6037 square metres of common landscaped area on the site - car washing in 1 car washing bays on the site
Fire sprinkler system (No. 1)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Car park area	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	zoned switching with motion sensor	no
Garbage rooms	ventilation exhaust only	-	light-emitting diode	motion sensors	no
Plant/Services	ventilation (supply + exhaust)	thermostatically controlled	light-emitting diode	manual on / manual off	no
Open Plant/Services	no mechanical ventilation	-	light-emitting diode	motion sensors	no
Communal area	ventilation supply only	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Ground floor lobby	ventilation supply only	time clock or BMS controlled	light-emitting diode	daylight sensors	no
Hallway/lobby type	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	no

Central energy systems	Type	Specification
Swimming pool (No. 1)	Heating source: gas	Pump controlled by timer: yes
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 150 peak kW
Other	-	-

Notes

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

Legend

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

BASIX™ Certificate

Building Sustainability Index

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

Multi Dwelling

Certificate number: 1771734M_03

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

This certificate is a revision of certificate number 1771734M submitted to the consent authority or certifier on 30 January 2025 with application SSD-70283710.

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

Secretary

Date of issue: Thursday, 25 September 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 HR-YY6E8S-01.

Project summary

Project name	1 Crescent Street Holroyd - Phase 1 (T3)_03
Street address	1 CRESCENT STREET HOLROYD 2142
Local Government Area	CUMBERLAND
Plan type and plan number	Deposited Plan 1241836
Lot No.	700
Section no.	-
No. of residential flat buildings	1
Residential flat buildings: no. of dwellings	152
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0

Project score

Water	✓ 41	Target 40
Thermal Performance	✓ Pass	Target Pass
Energy	✓ 64	Target 63
Materials	✓ -21	Target n/a

Certificate Prepared by

Name / Company Name: Efficient Living Pty Ltd

ABN (if applicable): 82116346082

Description of project

Project address	
Project name	1 Crescent Street Holroyd - Phase 1 (T3)_03
Street address	1 CRESCENT STREET HOLROYD 2142
Local Government Area	CUMBERLAND
Plan type and plan number	Deposited Plan 1241836
Lot No.	700
Section no.	-
Project type	
No. of residential flat buildings	1
Residential flat buildings: no. of dwellings	152
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0
Site details	
Site area (m²)	37904
Roof area (m²)	918
Non-residential floor area (m²)	0
Residential car spaces	0
Non-residential car spaces	0

Common area landscape		
Common area lawn (m²)	0	
Common area garden (m²)	250	
Area of indigenous or low water use species (m²)	0	
Assessor details and thermal loads		
Assessor number	HERA10213	
Certificate number	HR-YY6E8S-01	
Climate zone	56	
Project score		
Water	✓ 41	Target 40
Thermal Performance	✓ Pass	Target Pass
Energy	✓ 64	Target 63
Materials	✓ -21	Target n/a

Description of project

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

Residential flat buildings - Building3, 152 dwellings, 25 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
31001	2	97.1	0	0	0
31005	1	75.4	0	0	0
31101	2	97.1	0	0	0
31105	1	75.4	0	0	0
31201	2	97.1	0	0	0
31205	1	75.4	0	0	0
31301	2	97.1	0	0	0
31305	1	75.4	0	0	0
31401	2	97.1	0	0	0
31405	1	75.4	0	0	0
31501	2	97.1	0	0	0
31505	1	75.4	0	0	0
31601	2	97.1	0	0	0
31605	1	75.4	0	0	0
31701	2	75.4	0	0	0
31705	1	56.4	0	0	0
31801	2	75.4	0	0	0
31805	1	56.4	0	0	0
31901	2	75.4	0	0	0
31905	1	56.4	0	0	0
32001	2	75.4	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
31002	2	75.4	0	0	0
31006	3	73.3	0	0	0
31102	2	75.4	0	0	0
31106	3	73.3	0	0	0
31202	2	75.4	0	0	0
31206	3	75.4	0	0	0
31302	2	75.4	0	0	0
31306	3	73.3	0	0	0
31402	2	75.4	0	0	0
31406	3	73.3	0	0	0
31502	2	75.4	0	0	0
31506	3	73.3	0	0	0
31602	2	75.4	0	0	0
31606	3	75.4	0	0	0
31702	2	73.3	0	0	0
31706	3	97.1	0	0	0
31802	2	73.3	0	0	0
31806	3	97.1	0	0	0
31902	2	73.3	0	0	0
31906	3	97.1	0	0	0
32002	2	73.3	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
31003	2	73.3	0	0	0
31007	3	75.4	0	0	0
31103	2	73.3	0	0	0
31107	3	75.4	0	0	0
31203	2	73.3	0	0	0
31207	3	99.9	0	0	0
31303	2	73.3	0	0	0
31307	3	75.4	0	0	0
31403	2	73.3	0	0	0
31407	3	75.4	0	0	0
31503	2	73.3	0	0	0
31507	3	75.4	0	0	0
31603	2	73.3	0	0	0
31607	3	99.9	0	0	0
31703	2	73.3	0	0	0
31707	3	99.9	0	0	0
31803	2	73.3	0	0	0
31807	3	99.9	0	0	0
31903	2	73.3	0	0	0
31907	3	99.9	0	0	0
32003	2	73.3	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
31004	2	99.9	0	0	0
31008	2	56.4	0	0	0
31104	2	99.9	0	0	0
31108	2	56.4	0	0	0
31204	2	56.4	0	0	0
31208	2	73.3	0	0	0
31304	2	99.9	0	0	0
31308	2	56.4	0	0	0
31404	2	99.9	0	0	0
31408	2	56.4	0	0	0
31504	2	99.9	0	0	0
31508	2	56.4	0	0	0
31604	2	56.4	0	0	0
31608	2	73.3	0	0	0
31704	2	75.4	0	0	0
31708	2	75.4	0	0	0
31804	2	75.4	0	0	0
31808	2	75.4	0	0	0
31904	2	75.4	0	0	0
31908	2	75.4	0	0	0
32004	2	75.4	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)
32005	1	56.4	0	0	0
32101	2	75.4	0	0	0
32105	1	56.4	0	0	0
32201	2	75.4	0	0	0
32205	1	56.4	0	0	0
32301	2	75.4	0	0	0
32305	1	56.4	0	0	0
32401	2	75.4	0	0	0
32405	1	56.4	0	0	0
32501	2	75.4	0	0	0
32505	1	56.4	0	0	0
32601	2	75.4	0	0	0
32605	1	56.4	0	0	0
3801	2	75.4	0	0	0
3805	1	56.4	0	0	0
3901	2	73.3	0	0	0
3905	1	97.1	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
32006	3	97.1	0	0	0
32102	2	73.3	0	0	0
32106	3	97.1	0	0	0
32202	2	73.3	0	0	0
32206	3	97.1	0	0	0
32302	2	73.3	0	0	0
32306	3	97.1	0	0	0
32402	2	73.3	0	0	0
32406	3	97.1	0	0	0
32502	2	73.3	0	0	0
32506	3	97.1	0	0	0
32602	2	73.3	0	0	0
32606	3	97.1	0	0	0
3802	2	73.3	0	0	0
3806	3	97.1	0	0	0
3902	2	73.3	0	0	0
3906	3	75.4	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)
32007	3	99.9	0	0	0
32103	2	73.3	0	0	0
32107	3	99.9	0	0	0
32203	2	73.3	0	0	0
32207	3	99.9	0	0	0
32303	2	73.3	0	0	0
32307	3	99.9	0	0	0
32403	2	73.3	0	0	0
32407	3	99.9	0	0	0
32503	2	73.3	0	0	0
32507	3	99.9	0	0	0
32603	2	73.3	0	0	0
32607	3	99.9	0	0	0
3803	2	73.3	0	0	0
3807	3	99.9	0	0	0
3903	2	99.9	0	0	0
3907	3	75.4	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)
32008	2	75.4	0	0	0
32104	2	75.4	0	0	0
32108	2	75.4	0	0	0
32204	2	75.4	0	0	0
32208	2	75.4	0	0	0
32304	2	75.4	0	0	0
32308	2	75.4	0	0	0
32404	2	75.4	0	0	0
32408	2	75.4	0	0	0
32504	2	75.4	0	0	0
32508	2	75.4	0	0	0
32604	2	75.4	0	0	0
32608	2	75.4	0	0	0
3804	2	75.4	0	0	0
3808	1	56.4	0	0	0
3904	2	56.4	0	0	0
3908	2	75.4	0	0	0

Description of project

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

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - Building3

(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 multi-dwelling housing

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

3. Commitments for single dwelling houses

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

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

(b) Common areas and central systems/facilities

(i) Water

(ii) Energy

Schedule of BASIX commitments

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

1. Commitments for Residential flat buildings - Building3

(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	12.2	-	-
suspended floor above open subfloor, frame: suspended concrete slab	1712	-	-
suspended floor above open subfloor, frame: suspended concrete slab	613.6	-	-
floors above habitable rooms, frame: suspended concrete slab	11255.2	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (metal clad), frame: light steel frame	7725.6	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 2	off form concrete,frame:no frame	853.5	none	-

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	9098.3	-
Internal wall type 2	75 mm AAC panel, frame:light steel frame	5147.2	-

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
concrete - plasterboard internal, frame: light steel frame	918	-	-

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)
-	3262.7	-	3262.7	-	-	-	-

(b) Dwellings

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

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	5 star	5 star	-	not specified	4 star	-	-	-	-	-	-	-

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

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and		✓	✓
(cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓	
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	

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

	Cooling		Heating		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 3.0 - 3.5	1-phase airconditioning - ducted / EER 3.0 - 3.5	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	-	-	-	-	-	gas cooktop & electric oven	4 star	8.0 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 (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓
(i) The applicant must show on The plans accompanying The development application for The proposed development, The locations of ceiling fans set out in The Assessor Certificate.	✓		
(j) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), the locations of ceiling fans set out in the Assessor Certificate.		✓	

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
31001	5.3	3.8	9.100
31002	7.7	5.3	13.000
31003	13	7.3	20.300
31004	20.5	3.9	24.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
31005	27	5.6	32.600
31006	22	6.8	28.800
31007	7.8	5.8	13.600
31008	3.2	8.3	11.500
31101	5.3	4.3	9.600
31102	8.3	6.8	15.100
31103	14	9	23.000
31104	22.5	4.6	27.100
31105	28.1	6	34.100
31106	24.4	8.7	33.100
31107	8.2	10.4	18.600
31108	5.6	5.1	10.700
31201	5.5	3.7	9.200
31202	7.9	5.4	13.300
31203	13.4	7.2	20.600
31204	21	4	25.000
31205	27.6	5.5	33.100
31206	22.3	6.7	29.000
31207	8.1	5.8	13.900
31208	5.6	4.2	9.800
31301	5.4	4.2	9.600
31302	8.5	6.8	15.300
31303	14.3	8.9	23.200
31304	22.8	4.5	27.300
31305	28.4	5.8	34.200
31306	24.5	8.7	33.200
31307	8.4	10.6	19.000
31308	5.8	5.1	10.900
31401	5.7	3.7	9.400
31402	8.1	5.5	13.600
31403	13.7	7.3	21.000

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
31404	21.3	3.9	25.200
31405	27.9	5.4	33.300
31406	22.5	6.8	29.300
31407	8.2	5.9	14.100
31408	5.8	4.1	9.900
31501	5.7	4.3	10.000
31502	8.6	7.1	15.700
31503	14.7	8.8	23.500
31504	23.3	4.5	27.800
31505	29	6	35.000
31506	24.8	8.9	33.700
31507	8.7	10.4	19.100
31508	6	5	11.000
31601	6	3.8	9.800
31602	8.5	5.4	13.900
31603	14.1	7.3	21.400
31604	21.8	4	25.800
31605	28.4	5.1	33.500
31606	22.9	7.3	30.200
31607	8.6	5.9	14.500
31608	6	4.3	10.300
31701	5.8	4.3	10.100
31702	8.9	7	15.900
31703	14.9	8.4	23.300
31704	23.6	4.5	28.100
31705	29.3	5.9	35.200
31706	24.9	8.6	33.500
31707	8.8	10.1	18.900
31708	4.1	8.9	13.000
31801	6.1	3.8	9.900
31802	8.6	5.3	13.900

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
31803	14.3	6.9	21.200
31804	22	3.8	25.800
31805	28.7	5.2	33.900
31806	23	7.1	30.100
31807	8.7	5.7	14.400
31808	3.6	8	11.600
31902	9	6.7	15.700
31903	15.2	8.1	23.300
31904	23.9	4.5	28.400
31905	29.6	5.7	35.300
31906	25.2	8.5	33.700
31907	9	9.9	18.900
31908	6.3	4.9	11.200
32003	14.5	7.2	21.700
32004	22.3	3.8	26.100
32005	29.1	5.2	34.300
32006	23.3	7	30.300
32007	8.9	5.5	14.400
32008	6.1	4.1	10.200
32102	9.1	6.9	16.000
32103	15.3	8.4	23.700
32104	24.1	4.6	28.700
32105	29.8	5.8	35.600
32106	25.4	8.5	33.900
32107	9	10.1	19.100
32108	6.4	4.9	11.300
32203	14.6	7	21.600
32204	22.5	3.8	26.300
32205	29.3	5.2	34.500
32206	23.4	7	30.400
32207	9	5.4	14.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
32208	6.2	4.1	10.300
32301	6.2	4.5	10.700
32302	9.3	6.8	16.100
32303	15.6	8.3	23.900
32304	24.4	4.6	29.000
32305	30.2	5.6	35.800
32306	25.7	8.7	34.400
32307	9.2	10.1	19.300
32308	6.5	4.9	11.400
32401	6.4	3.9	10.300
32402	9	5.2	14.200
32403	14.9	7	21.900
32404	22.8	3.9	26.700
32405	29.6	5	34.600
32406	23.7	7.2	30.900
32407	9.1	5.7	14.800
32408	6.3	4.1	10.400
32501	6.2	4.4	10.600
32502	9.4	6.8	16.200
32503	15.8	8	23.800
32504	24.7	4.6	29.300
32505	30.5	5.6	36.100
32506	26	8.5	34.500
32507	9.3	10	19.300
32508	6.7	4.9	11.600
32601	16.3	6	22.300
32602	17.8	7	24.800
32603	24.4	7.9	32.300
32604	29.1	5.1	34.200
32605	31.7	6	37.700
32606	29.3	7.6	36.900

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
32607	20	8.1	28.100
32608	16.8	6.6	23.400
3801	7.7	2.8	10.500
3802	8.7	6	14.700
3803	15.8	6.7	22.500
3804	22.9	3.4	26.300
3805	27.5	4.5	32.000
3806	25.9	6.9	32.800
3807	10.3	3.8	14.100
3808	12.6	3.9	16.500
3901	5	4.2	9.200
3902	8	6.9	14.900
3903	13.6	8.9	22.500
3904	22	4.7	26.700
3905	27.6	5.9	33.500
3906	24	8.7	32.700
3907	7.9	10.3	18.200
3908	4.2	9.4	13.600
31901, 32101	6	4.4	10.400
32001, 32201	6.3	3.8	10.100
All other dwellings	8.8	5.2	14.000

(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	no common facility	no common facility	no common facility	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 1)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Lift bank (No. 1)	-	-	light-emitting diode	connected to lift call button	no
Garbage rooms	ventilation exhaust only	none i.e., continuous	light-emitting diode	motion sensors	no
Podium lobby	ventilation supply only	time clock or BMS controlled	light-emitting diode	daylight sensors	no
Hallway/lobby type	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	no

Central energy systems	Type	Specification
Lift bank (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 17 number of levels from the bottom of the lift shaft to the top of the lift shaft: 25 number of lifts: 2 lift load capacity: ≥ 1001 kg but ≤ 1500 kg
Central hot water system (No. 1)	gas-fired boiler	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm)

2. Commitments for multi-dwelling housing

(a) Dwellings

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(d) The applicant must install the cooling and heating system/s specified for the dwelling under the "Living areas" and "Bedroom areas" headings of the "Cooling" and "Heating" columns in the table below, in/for at least 1 living/bedroom area of the dwelling. If no cooling or heating system is specified in the table for "Living areas" or "Bedroom areas", then no systems may be installed in any such areas. If the term "zoned" is specified beside an air conditioning system, then the system must provide for day/night zoning between living areas and bedrooms.		✓	✓
(e) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Artificial lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that the "primary type of artificial lighting" for each such room in the dwelling is fluorescent lighting or light emitting diode (LED) lighting. If the term "dedicated" is specified for a particular room or area, then the light fittings in that room or area must only be capable of being used for fluorescent lighting or light emitting diode (LED) lighting.		✓	✓
(f) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Natural lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that each such room or area is fitted with a window and/or skylight.	✓	✓	✓
(g) This commitment applies if the applicant installs a water heating system for the dwelling's pool or spa. The applicant must: (aa) install the system specified for the pool in the "Individual Pool" column of the table below (or alternatively must not install any system for the pool). If specified, the applicant must install a timer, to control the pool's pump; and (bb) install the system specified for the spa in the "Individual Spa" column of the table below (or alternatively must not install any system for the spa). If specified, the applicant must install a timer to control the spa's pump.		✓ ✓	
(h) The applicant must install in the dwelling: (aa) the kitchen cook-top and oven specified for that dwelling in the "Appliances & other efficiency measures" column of the table below; (bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and (cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓ ✓ ✓	✓
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	
(iii) Thermal Performance and Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			

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

3. 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.		✓	

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

(b) Common areas and central systems/facilities

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

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

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

Central energy systems	Type	Specification
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 0 peak kW
Other	-	-

Notes

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

Legend

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

BASIX™ Certificate

Building Sustainability Index

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

Multi Dwelling

Certificate number: 1771727M_02

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

This certificate is a revision of certificate number 1771727M submitted to the consent authority or certifier on 30 January 2025 with application SSD-70283710.

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

Secretary

Date of issue: Thursday, 25 September 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 HR-UDYI6E-01.

Project summary

Project name	1 Crescent Street Holroyd - Phase 2_02
Street address	1 CRESCENT STREET HOLROYD 2142
Local Government Area	CUMBERLAND
Plan type and plan number	Deposited Plan 1241836
Lot No.	700
Section no.	-
No. of residential flat buildings	2
Residential flat buildings: no. of dwellings	279
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0

Project score

Water	✓ 40	Target 40
Thermal Performance	✓ Pass	Target Pass
Energy	✓ 63	Target 63
Materials	✓ -100	Target n/a

Certificate Prepared by

Name / Company Name: Efficient Living Pty Ltd

ABN (if applicable): 82116346082

Description of project

Project address	
Project name	1 Crescent Street Holroyd - Phase 2_02
Street address	1 CRESCENT STREET HOLROYD 2142
Local Government Area	CUMBERLAND
Plan type and plan number	Deposited Plan 1241836
Lot No.	700
Section no.	-
Project type	
No. of residential flat buildings	2
Residential flat buildings: no. of dwellings	279
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0
Site details	
Site area (m²)	37904
Roof area (m²)	1909.11
Non-residential floor area (m²)	189.97
Residential car spaces	276
Non-residential car spaces	0

Common area landscape		
Common area lawn (m²)	2210	
Common area garden (m²)	3523	
Area of indigenous or low water use species (m²)	2467	
Assessor details and thermal loads		
Assessor number	HERA10213	
Certificate number	HR-UDYI6E-01	
Climate zone	56	
Project score		
Water	✓ 40	Target 40
Thermal Performance	✓ Pass	Target Pass
Energy	✓ 63	Target 63
Materials	✓ -100	Target n/a

Description of project

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

Residential flat buildings - Building4, 134 dwellings, 21 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
41001	2	74.6	0	0	0
41005	1	50.5	0	0	0
4101	3	100.2	0	0	0
4105	2	73.5	0	0	0
41104	1	50.1	0	0	0
41108	2	74.6	0	0	0
41204	1	50.1	0	0	0
41208	2	74.6	0	0	0
41304	1	50.1	0	0	0
41308	2	74.6	0	0	0
41404	1	50.1	0	0	0
41408	2	74.6	0	0	0
41504	1	50.1	0	0	0
41508	2	74.6	0	0	0
41604	1	50.1	0	0	0
41608	2	74.6	0	0	0
41704	1	50.1	0	0	0
41708	2	74.6	0	0	0
41804	1	50.1	0	0	0
41808	2	74.6	0	0	0
4204	1	50.5	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
41002	2	84.6	0	0	0
41006	2	73.5	0	0	0
4102	3	88.6	0	0	0
41101	2	74.6	0	0	0
41105	1	50.5	0	0	0
41201	2	74.6	0	0	0
41205	1	50.5	0	0	0
41301	2	74.6	0	0	0
41305	1	50.5	0	0	0
41401	2	74.6	0	0	0
41405	1	50.5	0	0	0
41501	2	74.6	0	0	0
41505	1	50.5	0	0	0
41601	2	74.6	0	0	0
41605	1	50.5	0	0	0
41701	2	74.6	0	0	0
41705	1	50.5	0	0	0
41801	2	74.6	0	0	0
41805	1	50.5	0	0	0
4201	3	100.2	0	0	0
4205	2	73.5	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
41003	3	88.6	0	0	0
41007	2	79.7	0	0	0
4103	1	50.1	0	0	0
41102	2	84.6	0	0	0
41106	2	73.5	0	0	0
41202	2	84.6	0	0	0
41206	2	73.5	0	0	0
41302	2	84.6	0	0	0
41306	2	73.5	0	0	0
41402	2	84.6	0	0	0
41406	2	73.5	0	0	0
41502	2	84.6	0	0	0
41506	2	73.5	0	0	0
41602	2	84.6	0	0	0
41606	2	73.5	0	0	0
41702	2	84.6	0	0	0
41706	2	73.5	0	0	0
41802	2	84.6	0	0	0
41806	2	73.5	0	0	0
4202	3	88.6	0	0	0
4301	3	100.2	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
41004	1	50.1	0	0	0
41008	2	74.6	0	0	0
4104	1	50.5	0	0	0
41103	3	88.6	0	0	0
41107	2	79.7	0	0	0
41203	3	88.6	0	0	0
41207	2	79.7	0	0	0
41303	3	88.6	0	0	0
41307	2	79.7	0	0	0
41403	3	88.6	0	0	0
41407	2	79.7	0	0	0
41503	3	88.6	0	0	0
41507	2	79.7	0	0	0
41603	3	88.6	0	0	0
41607	2	79.7	0	0	0
41703	3	88.6	0	0	0
41707	2	79.7	0	0	0
41803	3	88.6	0	0	0
41807	2	79.7	0	0	0
4203	1	50.1	0	0	0
4302	3	88.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
4303	1	50.1	0	0	0
4402	2	84.6	0	0	0
4406	2	73.5	0	0	0
4503	3	88.6	0	0	0
4507	2	79.7	0	0	0
4603	3	88.6	0	0	0
4607	2	79.7	0	0	0
4703	3	88.6	0	0	0
4707	2	79.7	0	0	0
4803	3	88.6	0	0	0
4807	2	79.7	0	0	0
4903	3	88.6	0	0	0
4907	2	79.7	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
4304	1	50.5	0	0	0
4403	3	88.6	0	0	0
4407	2	76.8	0	0	0
4504	1	50.1	0	0	0
4508	2	74.6	0	0	0
4604	1	50.1	0	0	0
4608	2	74.6	0	0	0
4704	1	50.1	0	0	0
4708	2	74.6	0	0	0
4804	1	50.1	0	0	0
4808	2	74.6	0	0	0
4904	1	50.1	0	0	0
4908	2	74.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
4305	2	73.5	0	0	0
4404	1	50.1	0	0	0
4501	2	74.6	0	0	0
4505	1	50.5	0	0	0
4601	2	74.6	0	0	0
4605	1	50.5	0	0	0
4701	2	74.6	0	0	0
4705	1	50.5	0	0	0
4801	2	74.6	0	0	0
4805	1	50.5	0	0	0
4901	2	74.6	0	0	0
4905	1	50.5	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
4401	2	74.6	0	0	0
4405	1	50.5	0	0	0
4502	2	84.6	0	0	0
4506	2	73.5	0	0	0
4602	2	84.6	0	0	0
4606	2	73.5	0	0	0
4702	2	84.6	0	0	0
4706	2	73.5	0	0	0
4802	2	84.6	0	0	0
4806	2	73.5	0	0	0
4902	2	84.6	0	0	0
4906	2	73.5	0	0	0

Residential flat buildings - Building5, 145 dwellings, 18 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
5001	4+	130.1	0	0	0
51001	3	104.5	0	0	0
51005	2	80.1	0	0	0
5101	2	88.4	0	0	0
51104	2	80.1	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
5002	4+	138	0	0	0
51002	2	73.9	0	0	0
51006	2	75.8	0	0	0
51101	3	104.5	0	0	0
51105	2	80.1	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
5003	4+	137.9	0	0	0
51003	2	75.8	0	0	0
51007	2	73.9	0	0	0
51102	2	73.9	0	0	0
51106	2	75.8	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
5004	4+	126.2	0	0	0
51004	2	80.1	0	0	0
51008	3	104.6	0	0	0
51103	2	75.8	0	0	0
51107	2	73.9	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
51108	3	104.6	0	0	0
51204	2	80.1	0	0	0
51208	3	104.6	0	0	0
51304	2	80.1	0	0	0
51308	3	104.6	0	0	0
51404	2	80.1	0	0	0
51408	3	104.6	0	0	0
51504	2	80.1	0	0	0
51508	3	104.6	0	0	0
51604	2	80.1	0	0	0
51608	3	104.6	0	0	0
51704	2	80.1	0	0	0
51708	3	104.6	0	0	0
51804	2	80.1	0	0	0
51808	3	104.6	0	0	0
51904	2	80.1	0	0	0
51908	3	104.6	0	0	0
5204	2	80.1	0	0	0
5302	2	75.8	0	0	0
5306	1	63.2	0	0	0
5404	2	80.1	0	0	0
5408	3	104.1	0	0	0
5504	2	80.1	0	0	0
5508	3	104.6	0	0	0
5604	2	80.1	0	0	0
5608	3	104.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
51201	3	104.5	0	0	0
51205	2	80.1	0	0	0
51301	3	104.5	0	0	0
51305	2	80.1	0	0	0
51401	3	104.5	0	0	0
51405	2	80.1	0	0	0
51501	3	104.5	0	0	0
51505	2	80.1	0	0	0
51601	3	104.5	0	0	0
51605	2	80.1	0	0	0
51701	3	104.5	0	0	0
51705	2	80.1	0	0	0
51801	3	104.5	0	0	0
51805	2	80.1	0	0	0
51901	3	104.5	0	0	0
51905	2	80.1	0	0	0
5201	1	58.7	5.3	0	0
5205	2	75.8	0	0	0
5303	2	80.1	0	0	0
5401	3	104.1	0	0	0
5405	2	80.1	0	0	0
5501	3	104.5	0	0	0
5505	2	80.1	0	0	0
5601	3	104.5	0	0	0
5605	2	80.1	0	0	0
5701	3	104.5	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
51202	2	73.9	0	0	0
51206	2	75.8	0	0	0
51302	2	73.9	0	0	0
51306	2	75.8	0	0	0
51402	2	73.9	0	0	0
51406	2	75.8	0	0	0
51502	2	73.9	0	0	0
51506	2	75.8	0	0	0
51602	2	73.9	0	0	0
51606	2	75.8	0	0	0
51702	2	73.9	0	0	0
51706	2	75.8	0	0	0
51802	2	73.9	0	0	0
51806	2	75.8	0	0	0
51902	2	73.9	0	0	0
51906	2	75.8	0	0	0
5202	2	75.8	0	0	0
5206	1	63.2	0	0	0
5304	2	80.1	0	0	0
5402	2	73.9	0	0	0
5406	2	75.8	0	0	0
5502	2	73.9	0	0	0
5506	2	75.8	0	0	0
5602	2	73.9	0	0	0
5606	2	75.8	0	0	0
5702	2	73.9	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
51203	2	75.8	0	0	0
51207	2	73.9	0	0	0
51303	2	75.8	0	0	0
51307	2	73.9	0	0	0
51403	2	75.8	0	0	0
51407	2	73.9	0	0	0
51503	2	75.8	0	0	0
51507	2	73.9	0	0	0
51603	2	75.8	0	0	0
51607	2	73.9	0	0	0
51703	2	75.8	0	0	0
51707	2	73.9	0	0	0
51803	2	75.8	0	0	0
51807	2	73.9	0	0	0
51903	2	75.8	0	0	0
51907	2	73.9	0	0	0
5203	2	80.1	0	0	0
5301	1	58.7	5.3	0	0
5305	2	75.8	0	0	0
5403	2	75.8	0	0	0
5407	2	73.9	0	0	0
5503	2	75.8	0	0	0
5507	2	73.9	0	0	0
5603	2	75.8	0	0	0
5607	2	73.9	0	0	0
5703	2	75.8	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
5704	2	80.1	0	0	0
5708	3	104.6	0	0	0
5804	2	80.1	0	0	0
5808	3	104.6	0	0	0
5904	2	80.1	0	0	0
5908	3	104.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
5705	2	80.1	0	0	0
5801	3	104.5	0	0	0
5805	2	80.1	0	0	0
5901	3	104.5	0	0	0
5905	2	80.1	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
5706	2	75.8	0	0	0
5802	2	73.9	0	0	0
5806	2	75.8	0	0	0
5902	2	73.9	0	0	0
5906	2	75.8	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
5707	2	73.9	0	0	0
5803	2	75.8	0	0	0
5807	2	73.9	0	0	0
5903	2	75.8	0	0	0
5907	2	73.9	0	0	0

Description of project

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

Common areas of the development (non-building specific)

Common area	Floor area (m²)	Common area	Floor area (m²)	Common area	Floor area (m²)
Car park area	8953	Garbage rooms	344.81	Mec vent plant or service rooms	217
Nat vent plant or service rooms	51	Communal area	88	Ground floor lobby	253
Mec vent Hallway/lobby type	2002				

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - Building4

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance

(c) Common areas and central systems/facilities

(i) Water

(ii) Energy

2. Commitments for Residential flat buildings - Building5

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance

(c) Common areas and central systems/facilities

(i) Water

(ii) Energy

3. Commitments for multi-dwelling housing

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

4. Commitments for single dwelling houses

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

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

(a) Buildings 'Other'

(i) Materials

(b) Common areas and central systems/facilities

(i) Water

(ii) Energy

Schedule of BASIX commitments

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

1. Commitments for Residential flat buildings - Building4

(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 open subfloor, frame: suspended concrete slab	204.4	-	-
floors above habitable rooms, frame: suspended concrete slab	9382.5	-	-
suspended floor above enclosed subfloor, frame: suspended concrete slab	68.9	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (metal clad), frame: light steel frame	3223.5	-	-
External wall type 2	off form concrete, frame: light steel frame	3241.7	none	-

External wall types				
External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 3	brick veneer,frame:light steel frame	184.4	-	-
External wall type 4	off form concrete,frame:no frame	673.9	none	-

Internal wall types			
Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	7798	-
Internal wall type 2	75 mm AAC panel, frame:light steel frame	3256	-

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
concrete - plasterboard internal, frame: no frame	842.81	-	-

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)
-	3458.2	-	3458.2	-	-	-	-

(b) Dwellings

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

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	5 star	5 star	-	not specified	4 star	-	-	-	-	-	-	-

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

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and		✓	✓
(cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓	
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	

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

	Cooling		Heating		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 3.0 - 3.5	1-phase airconditioning - ducted / EER 3.0 - 3.5	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	-	-	-	-	-	gas cooktop & electric oven	4 star	8.0 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 (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓
(i) The applicant must show on The plans accompanying The development application for The proposed development, The locations of ceiling fans set out in The Assessor Certificate.	✓		
(j) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), the locations of ceiling fans set out in the Assessor Certificate.		✓	

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
41001	16.7	6.8	23.500
41002	5.3	5.4	10.700
41003	8.8	16.1	24.900
41004	21.5	13.2	34.700

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
41005	18.9	16.7	35.600
41006	17.4	7	24.400
41007	28	9.6	37.600
41008	13.9	7.8	21.700
4101	3.5	5.4	8.900
4102	5.8	13.8	19.600
4103	12	15.2	27.200
4104	7.7	20.5	28.200
4105	11.7	11.1	22.800
41101	14.7	8.6	23.300
41102	5	5.3	10.300
41103	9.1	15.3	24.400
41104	23.9	13.7	37.600
41105	18.5	12.6	31.100
41106	19.9	6.6	26.500
41108	12.9	10.6	23.500
41201	14.7	9.7	24.400
41202	5.1	5.4	10.500
41203	9.2	15.3	24.500
41204	18.3	12.3	30.600
41205	18.6	12.4	31.000
41206	20.1	6.7	26.800
41207	26.5	10.2	36.700
41208	13	10.2	23.200
41301	14.9	10.6	25.500
41303	9.3	15.3	24.600
41304	24.4	13.6	38.000
41305	19.30	12.6	31.900
41306	20.3	6.6	26.900
41307	26.6	10.2	36.800
41308	13.30	10.1	23.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
41401	14.8	10.7	25.500
41402	5.3	5.6	10.900
41403	9.4	15.6	25.000
41404	24.5	13.5	38.000
41405	19	12.7	31.700
41406	20.4	6.5	26.900
41408	13.4	10.2	23.600
41501	14.7	13.1	27.800
41503	9.5	15.8	25.300
41504	18	11.7	29.700
41505	19.1	12.8	31.900
41506	20.6	6.6	27.200
41507	26.3	10.1	36.400
41508	13.2	10	23.200
41601	14.6	13.9	28.500
41602	5.4	5.5	10.900
41603	9.5	16	25.500
41604	18.1	11.6	29.700
41605	19.2	12.9	32.100
41606	20.7	6.6	27.300
41607	27.9	10	37.900
41608	13.2	10.5	23.700
41701	14.5	18.3	32.800
41702	5.5	5.5	11.000
41703	9.6	16.2	25.800
41704	17.3	11.5	28.800
41705	19.3	12.8	32.100
41706	20.9	6.5	27.400
41707	26.3	10	36.300
41708	13.1	10.5	23.600
41801	14.8	13.5	28.300

	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)
41802	15	7	22.000
41803	18.7	18.6	37.300
41804	25	12.1	37.100
41805	20.5	12.7	33.200
41806	24.1	8	32.100
41807	27.2	9.7	36.900
41808	18.2	13.6	31.800
4201	4.3	5.2	9.500
4202	4.3	18.5	22.800
4203	11.4	19.7	31.100
4204	5	16.6	21.600
4205	14.5	8.5	23.000
4301	6.4	4.9	11.300
4303	15.5	13.9	29.400
4304	13.5	19.7	33.200
4305	18.3	7.9	26.200
4401	21.7	6.3	28.000
4402	3.7	6.1	9.800
4403	6.4	18.1	24.500
4404	16.5	13.6	30.100
4405	14.2	19.4	33.600
4406	15.1	7.6	22.700
4407	28.4	6.6	35.000
4501	13.1	6.9	20.000
4502	3.7	5.8	9.500
4504	17	13.7	30.700
4505	14.7	19.2	33.900
4506	13.90	7.5	21.400
4507	26.3	10.9	37.200
4508	16.1	8.4	24.500
4601	13.5	6.6	20.100

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
4602	3.9	5.7	9.600
4603	6.8	18.2	25.000
4604	17.6	13	30.600
4605	15.2	19.1	34.300
4606	14.3	7.4	21.700
4607	25	11.6	36.600
4608	11	8.3	19.300
4701	14	6.9	20.900
4702	4.1	5.7	9.800
4703	7	17.9	24.900
4704	18.1	13	31.100
4705	15.7	19.2	34.900
4706	14.7	7.2	21.900
4707	25.4	11	36.400
4708	11.4	8.3	19.700
4801	14.3	6.9	21.200
4802	4.2	5.6	9.800
4803	7.2	17.6	24.800
4804	18.5	13	31.500
4805	16.1	18.6	34.700
4806	15	7.2	22.200
4807	25.7	10.8	36.500
4808	11.6	8.1	19.700
4901	14.7	6.7	21.400
4902	4.3	5.5	9.800
4903	7.5	17.6	25.100
4904	19	13.3	32.300
4905	16.6	18.6	35.200
4906	15.5	7.2	22.700
4907	26	10.6	36.600
4908	12.1	8.4	20.500

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
41107, 41407	26.5	10	36.500
41302, 41502	5.3	5.5	10.800
All other dwellings	6.6	18.2	24.800

(c) Common areas and central systems/facilities

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

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

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 2)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

Central energy systems	Type	Specification
Lift bank (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 17 number of levels from the bottom of the lift shaft to the top of the lift shaft: 19 number of lifts: 2 lift load capacity: >= 1001 kg but <= 1500kg
Central hot water system (No. 1)	gas-fired boiler	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm)

2. Commitments for Residential flat buildings - Building5

(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
concrete slab on ground, frame:	295.1	-	none
floors above habitable rooms, frame: suspended concrete slab	11682.6	-	-
suspended floor above open subfloor, frame: suspended concrete slab	242.2	-	-
suspended floor above enclosed subfloor, frame: suspended concrete slab	45.6	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (fibre cement sheet or boards),frame:light steel frame	5490.2	-	-
External wall type 2	framed (metal clad),frame:light steel frame	698.2	-	-
External wall type 3	brick veneer,frame:light steel frame	368	-	-
External wall type 4	off form concrete,frame:light steel frame	559.2	none	-

External wall types				
External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 5	off form concrete,frame:no frame	5731.7	none	-

Internal wall types			
Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	11062	-
Internal wall type 2	75 mm AAC panel, frame:light steel frame	4812	-

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
concrete - plasterboard internal, frame: no frame	1066.3	-	-

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)
-	3764.7	-	3764.7	-	-	-	-

(b) Dwellings

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

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	5 star	5 star	-	not specified	4 star	-	-	-	-	-	-	-

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

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and		✓	✓
(cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓	
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	Central hot water system (No. 2)	individual fan, ducted to façade or roof	interlocked to light with timer off	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off

	Cooling		Heating		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 3.0 - 3.5	1-phase airconditioning - ducted / EER 3.0 - 3.5	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	-	-	-	-	-	gas cooktop & electric oven	4 star	8.0 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 (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓
(i) The applicant must show on The plans accompanying The development application for The proposed development, The locations of ceiling fans set out in The Assessor Certificate.	✓		
(j) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), the locations of ceiling fans set out in the Assessor Certificate.		✓	

Thermal loads			
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
5001	14.7	14.3	29.000
5002	3	10.7	13.700
5003	3.4	7.1	10.500
5004	11.6	9.5	21.100

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
51001	23.8	7.3	31.100
51002	7.2	6.7	13.900
51003	1.3	5.2	6.500
51004	3.9	5	8.900
51005	4.3	5.1	9.400
51006	1.3	5	6.300
51007	5.1	5.8	10.900
51008	29.2	8.8	38.000
5101	2.1	5.4	7.500
51101	24.9	6.9	31.800
51102	8.4	6.1	14.500
51103	1.8	4.5	6.300
51104	4.4	4.7	9.100
51105	5	4.9	9.900
51106	1.6	4.3	5.900
51107	5.6	5.9	11.500
51108	23.9	6.8	30.700
51201	25.3	6.9	32.200
51202	8.7	6.1	14.800
51203	1.8	4.4	6.200
51204	4.6	4.6	9.200
51205	5.1	4.7	9.800
51206	1.7	4.3	6.000
51207	5.6	6	11.600
51208	24.2	6.8	31.000
51301	25.4	7.1	32.500
51302	8.7	6	14.700
51303	1.9	4.4	6.300
51304	4.7	4.6	9.300
51305	5.2	4.7	9.900
51306	1.7	4.2	5.900

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
51307	5.7	6.7	12.400
51308	24.2	7	31.200
51401	27.5	7.2	34.700
51402	8.9	6.1	15.000
51405	5.3	4.8	10.100
51407	5.7	7.4	13.100
51408	24.4	7.4	31.800
51501	29.2	8	37.200
51502	9	6.3	15.300
51505	5.4	4.8	10.200
51507	5.7	8.1	13.800
51508	24.2	7.4	31.600
51601	29.9	8.1	38.000
51602	9	6.6	15.600
51604	4.9	4.7	9.600
51605	5.5	4.7	10.200
51606	1.9	4.2	6.100
51607	5.6	8.4	14.000
51608	23.5	7.4	30.900
51701	26	7.6	33.600
51702	9.1	6.7	15.800
51703	2.1	4.4	6.500
51704	5	4.6	9.600
51705	5.6	4.8	10.400
51706	2	4.1	6.100
51707	5.2	8.6	13.800
51708	23	7.4	30.400
51801	26	7.9	33.900
51802	9.1	7.1	16.200
51803	2.1	4.3	6.400
51804	5.1	4.6	9.700

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
51805	5.7	4.7	10.400
51806	1.9	4.1	6.000
51807	4.8	9.2	14.000
51808	29.2	8.6	37.800
51901	27.8	7	34.800
51902	17.2	10.8	28.000
51903	7.8	6.6	14.400
51904	14.6	6.5	21.100
51905	15.9	6.7	22.600
51906	7.7	6.4	14.100
51907	10.6	11.3	21.900
51908	28.6	9.1	37.700
5201	3.4	8.1	11.500
5202	0.4	6.4	6.800
5203	1.4	6	7.400
5204	1.7	6.1	7.800
5205	0.3	6	6.300
5206	6.8	7.7	14.500
5301	5.6	7.4	13.000
5302	0.8	5.7	6.500
5303	2.6	5.4	8.000
5304	2.9	5.4	8.300
5305	0.7	5.2	5.900
5306	8.9	7.3	16.200
5401	31.6	5.8	37.400
5402	6.5	7.2	13.700
5403	0.9	5.5	6.400
5404	2.8	5.3	8.100
5405	3.2	5.5	8.700
5407	4.8	4.9	9.700
5408	31.3	5.5	36.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
5501	28.1	9.2	37.300
5502	6.1	7	13.100
5503	1	5.5	6.500
5504	3	5.3	8.300
5505	3.5	5.3	8.800
5507	4.1	5	9.100
5508	26.7	8.7	35.400
5601	28.7	8.9	37.600
5602	6.3	7	13.300
5603	1.1	5.3	6.400
5604	3.2	5.2	8.400
5605	3.7	5.3	9.000
5606	1	5.1	6.100
5607	4.4	5	9.400
5608	27.3	8.8	36.100
5701	22.6	7.2	29.800
5702	6.4	6.9	13.300
5703	1.1	5.2	6.300
5704	3.4	5.2	8.600
5705	3.8	5.2	9.000
5706	1	5	6.000
5707	4.5	5.2	9.700
5708	27.7	8.7	36.400
5801	23.1	7.3	30.400
5802	6.8	6.8	13.600
5804	3.5	5.1	8.600
5805	4	5.1	9.100
5806	1.1	4.9	6.000
5807	4.8	5.4	10.200
5808	28.4	8.8	37.200
5901	23.4	7.2	30.600

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
5902	7	7	14.000
5904	3.7	5	8.700
5905	4.1	5.1	9.200
5906	1.2	4.9	6.100
5907	4.9	5.6	10.500
5908	28.8	8.8	37.600
51404, 51504	4.8	4.7	9.500
51406, 51506	1.8	4.2	6.000
5406, 5506	0.9	5.3	6.200
5803, 5903	1.2	5.1	6.300
All other dwellings	2	4.4	6.400

(c) Common areas and central systems/facilities

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

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

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 3)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Lift bank (No. 1)	-	-	light-emitting diode	connected to lift call button	no
Lift bank (No. 2)	-	-	light-emitting diode	connected to lift call button	no
Lift bank (No. 3)	-	-	light-emitting diode	connected to lift call button	no

Central energy systems	Type	Specification
Lift bank (No. 2)	gearless traction with V V V F motor	Number of levels (including basement): 21 number of levels from the bottom of the lift shaft to the top of the lift shaft: 21 number of lifts: 2 lift load capacity: >= 1001 kg but <= 1500kg
Lift bank (No. 3)	gearless traction with V V V F motor	Number of levels (including basement): 20 number of levels from the bottom of the lift shaft to the top of the lift shaft: 20 number of lifts: 2 lift load capacity: >= 1001 kg but <= 1500kg
Central hot water system (No. 2)	gas-fired boiler	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm)

3. Commitments for multi-dwelling housing

(a) Dwellings

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(d) The applicant must install the cooling and heating system/s specified for the dwelling under the "Living areas" and "Bedroom areas" headings of the "Cooling" and "Heating" columns in the table below, in/for at least 1 living/bedroom area of the dwelling. If no cooling or heating system is specified in the table for "Living areas" or "Bedroom areas", then no systems may be installed in any such areas. If the term "zoned" is specified beside an air conditioning system, then the system must provide for day/night zoning between living areas and bedrooms.		✓	✓
(e) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Artificial lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that the "primary type of artificial lighting" for each such room in the dwelling is fluorescent lighting or light emitting diode (LED) lighting. If the term "dedicated" is specified for a particular room or area, then the light fittings in that room or area must only be capable of being used for fluorescent lighting or light emitting diode (LED) lighting.		✓	✓
(f) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Natural lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that each such room or area is fitted with a window and/or skylight.	✓	✓	✓
(g) This commitment applies if the applicant installs a water heating system for the dwelling's pool or spa. The applicant must: (aa) install the system specified for the pool in the "Individual Pool" column of the table below (or alternatively must not install any system for the pool). If specified, the applicant must install a timer, to control the pool's pump; and (bb) install the system specified for the spa in the "Individual Spa" column of the table below (or alternatively must not install any system for the spa). If specified, the applicant must install a timer to control the spa's pump.		✓ ✓	
(h) The applicant must install in the dwelling: (aa) the kitchen cook-top and oven specified for that dwelling in the "Appliances & other efficiency measures" column of the table below; (bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and (cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓ ✓ ✓	✓
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	
(iii) Thermal Performance and Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			

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

4. 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.		✓	

5. 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:	554.14	-	none
garage floor, frame: concrete slab on ground	1929	-	-
garage floor, frame: suspended concrete slab	7024.12	-	-
suspended floor above enclosed subfloor, frame: suspended concrete slab	2411.03	-	-
suspended floor above open subfloor, frame: suspended concrete slab	3002	-	-

External wall types				
External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	off form concrete, frame: no frame	2000	none	-

Internal wall types			
Internal wall type	Construction type	Area (m2)	Insulation
-	-	-	-

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

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

Glazing types			Frame types				
Single glazing (m²)	Double glazing (m²)	Triple glazing (m²)	Aluminium frames (m²)	Timber frames (m²)	uPVC frames (m²)	Steel frames (m²)	Composite frames (m²)
-	0	-	0	-	-	-	-

(b) Common areas and central systems/facilities

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

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

Central systems	Size	Configuration	Connection (to allow for...)
Central water tank - rainwater or stormwater (No. 1)	5000	To collect run-off from at least: - 985 square metres of roof area of buildings in the development - 0 square metres of impervious area in the development - 0 square metres of garden/lawn area in the development - 0 square metres of planter box area in the development (excluding, in each case, any area which drains to, or supplies, any other alternative water supply system).	- irrigation of 5733 square metres of common landscaped area on the site - car washing in 1 car washing bays on the site
Fire sprinkler system (No. 1)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Car park area	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	zoned switching with motion sensor	no
Garbage rooms	ventilation exhaust only	-	light-emitting diode	motion sensors	no
Mec vent plant or service rooms	ventilation (supply + exhaust)	thermostatically controlled	light-emitting diode	manual on / manual off	no
Nat vent plant or service rooms	no mechanical ventilation	-	light-emitting diode	manual on / manual off	no
Communal area	no mechanical ventilation	-	light-emitting diode	daylight sensors	no
Ground floor lobby	ventilation supply only	time clock or BMS controlled	light-emitting diode	daylight sensors	no
Mec vent Hallway/lobby type	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	no

Central energy systems	Type	Specification
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 15 peak kW
Other	-	-

Notes

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

Legend

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

BASIX™ Certificate

Building Sustainability Index

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

Multi Dwelling

Certificate number: 1771722M_03

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

This certificate is a revision of certificate number 1771722M_02 submitted to the consent authority or certifier on 30 January 2025 with application SSD-70283710.

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

Secretary

Date of issue: Thursday, 25 September 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 HR-F7E3KY-01.

Project summary

Project name	1 Crescent Street Holroyd - Phase 3_03
Street address	1 CRESCENT STREET HOLROYD 2142
Local Government Area	CUMBERLAND
Plan type and plan number	Deposited Plan 1241836
Lot No.	700
Section no.	-
No. of residential flat buildings	2
Residential flat buildings: no. of dwellings	398
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0

Project score

Water	✓ 41	Target 40
Thermal Performance	✓ Pass	Target Pass
Energy	✓ 63	Target 63
Materials	✓ -100	Target n/a

Certificate Prepared by

Name / Company Name: Efficient Living Pty Ltd

ABN (if applicable): 82116346082

Description of project

Project address	
Project name	1 Crescent Street Holroyd - Phase 3_03
Street address	1 CRESCENT STREET HOLROYD 2142
Local Government Area	CUMBERLAND
Plan type and plan number	Deposited Plan 1241836
Lot No.	700
Section no.	-
Project type	
No. of residential flat buildings	2
Residential flat buildings: no. of dwellings	398
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0
Site details	
Site area (m²)	37904
Roof area (m²)	2472.29
Non-residential floor area (m²)	0
Residential car spaces	415
Non-residential car spaces	0

Common area landscape		
Common area lawn (m²)	216	
Common area garden (m²)	5511	
Area of indigenous or low water use species (m²)	3858	
Assessor details and thermal loads		
Assessor number	HERA10213	
Certificate number	HR-F7E3KY-01	
Climate zone	56	
Project score		
Water	✓ 41	Target 40
Thermal Performance	✓ Pass	Target Pass
Energy	✓ 63	Target 63
Materials	✓ -100	Target n/a

Description of project

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

Residential flat buildings - Building6, 203 dwellings, 23 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
6001	3	139.5	0	0	0
6005	3	114.4	0	0	0
61003	2	85	0	0	0
61007	1	57.3	0	0	0
61101	2	85	0	0	0
61105	2	87.3	0	0	0
61109	3	101	0	0	0
61203	2	85	0	0	0
61207	1	57.3	0	0	0
61301	2	85	0	0	0
61305	2	87.3	0	0	0
61309	3	101	0	0	0
61403	2	85	0	0	0
61407	1	57.3	0	0	0
61501	2	85	0	0	0
61505	2	87.3	0	0	0
61509	3	101	0	0	0
61603	2	85	0	0	0
61607	1	57.3	0	0	0
61701	2	85	0	0	0
61705	2	87.3	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
6002	3	114.4	0	0	0
6006	3	139.4	0	0	0
61004	1	57.3	0	0	0
61008	2	85.1	0	0	0
61102	3	101	0	0	0
61106	2	87.3	0	0	0
61110	2	85	0	0	0
61204	1	57.3	0	0	0
61208	2	85.1	0	0	0
61302	3	101	0	0	0
61306	2	87.3	0	0	0
61310	2	85	0	0	0
61404	1	57.3	0	0	0
61408	2	85.1	0	0	0
61502	3	101	0	0	0
61506	2	87.3	0	0	0
61510	2	85	0	0	0
61604	1	57.3	0	0	0
61608	2	85.1	0	0	0
61702	3	101	0	0	0
61706	2	57.3	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
6003	3	121.6	0	0	0
61001	2	85	0	0	0
61005	2	87.3	0	0	0
61009	3	101	0	0	0
61103	2	85	0	0	0
61107	1	57.3	0	0	0
61201	2	85	0	0	0
61205	2	87.3	0	0	0
61209	3	101	0	0	0
61303	2	85	0	0	0
61307	1	57.3	0	0	0
61401	2	85	0	0	0
61405	2	87.3	0	0	0
61409	3	101	0	0	0
61503	2	85	0	0	0
61507	1	57.3	0	0	0
61601	2	85	0	0	0
61605	2	87.3	0	0	0
61609	3	101	0	0	0
61703	2	57.3	0	0	0
61707	1	85.1	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
6004	3	121.6	0	0	0
61002	3	101	0	0	0
61006	2	87.3	0	0	0
61010	2	85	0	0	0
61104	1	57.3	0	0	0
61108	2	85.1	0	0	0
61202	3	101	0	0	0
61206	2	87.3	0	0	0
61210	2	85	0	0	0
61304	1	57.3	0	0	0
61308	2	85.1	0	0	0
61402	3	101	0	0	0
61406	2	87.3	0	0	0
61410	2	85	0	0	0
61504	1	57.3	0	0	0
61508	2	85.1	0	0	0
61602	3	101	0	0	0
61606	2	87.3	0	0	0
61610	2	85	0	0	0
61704	1	87.3	0	0	0
61708	2	85	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)
61709	3	101	0	0	0
61803	2	85	0	0	0
61807	1	57.3	0	0	0
61901	2	85	0	0	0
61905	2	87.3	0	0	0
61909	3	101	0	0	0
62003	2	85	0	0	0
62007	1	57.3	0	0	0
62010	2	85	0	0	0
6205	1	57.3	0	0	0
62103	2	85	0	0	0
62107	1	57.3	0	0	0
62201	2	87.3	0	0	0
62205	2	85	0	0	0
6304	2	87.3	0	0	0
6402	3	101	0	0	0
6406	2	87.3	0	0	0
6410	2	84.9	0	0	0
6504	1	57.3	0	0	0
6508	2	85.1	0	0	0
6602	3	101	0	0	0
6606	2	87.3	0	0	0
6610	2	85	0	0	0
6704	1	57.3	0	0	0
6708	2	85.1	0	0	0
6802	3	101	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)
61710	2	85	0	0	0
61804	1	57.3	0	0	0
61808	2	85.1	0	0	0
61902	3	101	0	0	0
61906	2	87.3	0	0	0
61910	2	85	0	0	0
62004	1	57.3	0	0	0
62008	2	85.1	0	0	0
6202	1	57.3	0	0	0
6206	3	110	0	0	0
62104	1	57.3	0	0	0
62108	2	85.1	0	0	0
62202	1	57.3	0	0	0
6301	2	85	0	0	0
6305	1	57.3	0	0	0
6403	2	85	0	0	0
6407	1	57.3	0	0	0
6501	2	85	0	0	0
6505	2	87.3	0	0	0
6509	3	101	0	0	0
6603	2	85	0	0	0
6607	1	57.3	0	0	0
6701	2	85	0	0	0
6705	2	87.3	0	0	0
6709	3	101	0	0	0
6803	2	85	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)
61801	2	85	0	0	0
61805	2	87.3	0	0	0
61809	3	101	0	0	0
61903	2	85	0	0	0
61907	1	57.3	0	0	0
62001	2	85	0	0	0
62005	2	87.3	0	0	0
62009	3	101	0	0	0
6203	2	87.3	0	0	0
62101	2	85	0	0	0
62105	2	87.3	0	0	0
62109	3	101	0	0	0
62203	2	85.1	0	0	0
6302	1	57.3	0	0	0
6306	3	110	0	0	0
6404	1	57.3	0	0	0
6408	2	85.1	0	0	0
6502	3	101	0	0	0
6506	2	87.3	0	0	0
6510	2	85	0	0	0
6604	1	57.3	0	0	0
6608	2	85.1	0	0	0
6702	3	101	0	0	0
6706	2	87.3	0	0	0
6710	2	85	0	0	0
6804	1	57.3	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)
61802	3	101	0	0	0
61806	2	87.3	0	0	0
61810	2	85	0	0	0
61904	1	57.3	0	0	0
61908	2	85.1	0	0	0
62002	3	101	0	0	0
62006	2	87.3	0	0	0
6201	2	85	0	0	0
6204	2	87.3	0	0	0
62102	3	101	0	0	0
62106	2	87.3	0	0	0
62110	2	85	0	0	0
62204	3	101	0	0	0
6303	2	87.3	0	0	0
6401	2	78.3	0	0	0
6405	2	87.3	0	0	0
6409	3	101	0	0	0
6503	2	85	0	0	0
6507	1	57.3	0	0	0
6601	2	85	0	0	0
6605	2	87.3	0	0	0
6609	3	101	0	0	0
6703	2	85	0	0	0
6707	1	57.3	0	0	0
6801	2	85	0	0	0
6805	2	87.3	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
6806	2	87.3	0	0	0
6810	2	85	0	0	0
6904	1	57.3	0	0	0
6908	2	85.1	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
6807	1	57.3	0	0	0
6901	2	85	0	0	0
6905	2	87.3	0	0	0
6909	3	101	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
6808	2	85.1	0	0	0
6902	3	101	0	0	0
6906	2	87.3	0	0	0
6910	2	85	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
6809	3	101	0	0	0
6903	2	85	0	0	0
6907	1	57.3	0	0	0

Residential flat buildings - Building7, 195 dwellings, 23 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
7001	2	75.6	0	0	0
7005	3	95.6	0	0	0
71004	2	75	0	0	0
71008	2	78.7	0	0	0
7103	2	75.6	0	0	0
71102	2	75.3	0	0	0
71106	1	49.5	0	0	0
71201	2	73.4	0	0	0
71205	1	49.5	0	0	0
71209	2	73.4	0	0	0
71304	2	75	0	0	0
71308	2	78.7	0	0	0
71403	2	75.6	0	0	0
71407	3	95.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
7002	2	75	0	0	0
71001	2	73.4	0	0	0
71005	1	49.5	0	0	0
71009	1	73.4	0	0	0
7104	2	75	0	0	0
71103	2	75.6	0	0	0
71107	3	95.6	0	0	0
71202	2	75.3	0	0	0
71206	1	49.5	0	0	0
71301	2	73.4	0	0	0
71305	1	49.5	0	0	0
71309	2	73.4	0	0	0
71404	2	75	0	0	0
71408	2	78.7	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
7003	2	102.7	0	0	0
71002	2	75.3	0	0	0
71006	1	49.5	0	0	0
7101	2	73.4	0	0	0
7105	3	95.6	0	0	0
71104	2	75	0	0	0
71108	2	78.7	0	0	0
71203	2	75.6	0	0	0
71207	3	95.6	0	0	0
71302	2	75.3	0	0	0
71306	1	49.5	0	0	0
71401	2	73.4	0	0	0
71405	1	49.5	0	0	0
71409	2	73.4	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
7004	2	102.7	0	0	0
71003	2	75.6	0	0	0
71007	3	95.6	0	0	0
7102	2	75.3	0	0	0
71101	2	73.4	0	0	0
71105	1	49.5	0	0	0
71109	2	73.4	0	0	0
71204	2	75	0	0	0
71208	2	78.7	0	0	0
71303	2	75.6	0	0	0
71307	3	95.6	0	0	0
71402	2	75.3	0	0	0
71406	1	49.5	0	0	0
71501	2	73.4	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)
71502	2	75.3	0	0	0
71506	1	49.5	0	0	0
71601	2	73.4	0	0	0
71605	1	49.5	0	0	0
71609	2	73.4	0	0	0
71704	2	75	0	0	0
71708	2	78.7	0	0	0
71803	2	75.6	0	0	0
71807	3	95.6	0	0	0
71902	2	75.3	0	0	0
71906	1	49.5	0	0	0
72001	2	73.4	0	0	0
72005	1	49.5	0	0	0
72009	2	73.4	0	0	0
7204	2	75	0	0	0
72101	2	73.4	0	0	0
72105	1	49.5	0	0	0
72109	2	73.4	0	0	0
72204	2	75	0	0	0
72208	2	78.7	0	0	0
7303	2	75.6	0	0	0
7307	3	95.6	0	0	0
7404	2	75	0	0	0
7408	2	78.7	0	0	0
7503	2	75.6	0	0	0
7507	3	95.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
71503	2	75.6	0	0	0
71507	3	95.6	0	0	0
71602	2	75.3	0	0	0
71606	1	49.5	0	0	0
71701	2	73.4	0	0	0
71705	1	49.5	0	0	0
71709	2	73.4	0	0	0
71804	2	75	0	0	0
71808	2	78.7	0	0	0
71903	2	75.6	0	0	0
71907	3	95.6	0	0	0
72002	2	75.3	0	0	0
72006	1	49.5	0	0	0
7201	2	73.4	0	0	0
7205	1	49.5	0	0	0
72102	2	75.3	0	0	0
72106	1	49.5	0	0	0
72201	2	73.4	0	0	0
72205	1	49.5	0	0	0
72209	2	73.4	0	0	0
7304	2	75	0	0	0
7401	2	73.4	0	0	0
7405	1	49.5	0	0	0
7409	1	57.5	0	0	0
7504	2	75	0	0	0
7508	2	78.7	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)
71504	2	75	0	0	0
71508	2	78.7	0	0	0
71603	2	75.6	0	0	0
71607	3	95.6	0	0	0
71702	2	75.3	0	0	0
71706	1	49.5	0	0	0
71801	2	73.4	0	0	0
71805	1	49.5	0	0	0
71809	2	73.4	0	0	0
71904	2	75	0	0	0
71908	2	78.7	0	0	0
72003	2	75.6	0	0	0
72007	3	95.6	0	0	0
7202	2	75.3	0	0	0
7206	1	49.5	0	0	0
72103	2	75.6	0	0	0
72107	3	95.6	0	0	0
72202	2	75.3	0	0	0
72206	1	49.5	0	0	0
7301	2	73.4	0	0	0
7305	1	49.5	0	0	0
7402	2	75.3	0	0	0
7406	1	49.5	0	0	0
7501	2	73.4	0	0	0
7505	1	49.5	0	0	0
7509	1	73.4	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)
71505	1	49.5	0	0	0
71509	2	73.4	0	0	0
71604	2	75	0	0	0
71608	2	78.7	0	0	0
71703	2	75.6	0	0	0
71707	3	95.6	0	0	0
71802	2	75.3	0	0	0
71806	1	49.5	0	0	0
71901	2	73.4	0	0	0
71905	1	49.5	0	0	0
71909	2	73.4	0	0	0
72004	2	75	0	0	0
72008	2	78.7	0	0	0
7203	2	75.6	0	0	0
7207	3	95.6	0	0	0
72104	2	75	0	0	0
72108	2	78.7	0	0	0
72203	2	75.6	0	0	0
72207	3	95.6	0	0	0
7302	2	75.3	0	0	0
7306	1	49.5	0	0	0
7403	2	75.6	0	0	0
7407	3	95.6	0	0	0
7502	2	75.3	0	0	0
7506	1	49.5	0	0	0
7601	2	73.4	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)
7602	2	75.3	0	0	0
7606	1	49.5	0	0	0
7701	2	73.4	0	0	0
7705	1	49.5	0	0	0
7709	1	73.4	0	0	0
7804	2	75	0	0	0
7808	2	78.7	0	0	0
7903	2	75.6	0	0	0
7907	3	95.6	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
7603	2	75.6	0	0	0
7607	3	95.6	0	0	0
7702	2	75.3	0	0	0
7706	1	49.5	0	0	0
7801	2	73.4	0	0	0
7805	1	49.5	0	0	0
7809	1	73.4	0	0	0
7904	2	75	0	0	0
7908	2	78.7	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)
7604	2	75	0	0	0
7608	2	78.7	0	0	0
7703	2	75.6	0	0	0
7707	3	95.6	0	0	0
7802	2	75.3	0	0	0
7806	1	49.5	0	0	0
7901	2	73.4	0	0	0
7905	1	49.5	0	0	0
7909	1	73.4	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)
7605	1	49.5	0	0	0
7609	1	73.4	0	0	0
7704	2	75	0	0	0
7708	2	78.7	0	0	0
7803	2	75.6	0	0	0
7807	3	95.6	0	0	0
7902	2	75.3	0	0	0
7906	1	49.5	0	0	0

Description of project

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

Common areas of the development (non-building specific)

Common area	Floor area (m²)	Common area	Floor area (m²)	Common area	Floor area (m²)
Car park area	12713.26	Garbage rooms	521	Mec vent plant or service rooms	329
Communal area	171	Ground floor lobby	261.26	Hallway/lobby	2742.86

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - Building6

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance

(c) Common areas and central systems/facilities

(i) Water

(ii) Energy

2. Commitments for Residential flat buildings - Building7

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance

(c) Common areas and central systems/facilities

(i) Water

(ii) Energy

3. Commitments for multi-dwelling housing

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

4. Commitments for single dwelling houses

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

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

(a) Buildings 'Other'

(i) Materials

(b) Common areas and central systems/facilities

(i) Water

(ii) Energy

Schedule of BASIX commitments

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

1. Commitments for Residential flat buildings - Building6

(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
concrete slab on ground, frame:	441.6	-	none
suspended floor above open subfloor, frame: suspended concrete slab	391.1	-	-
floors above habitable rooms, frame: suspended concrete slab	16368.2	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (fibre cement sheet or boards), frame: light steel frame	1562.8	-	-
External wall type 2	off form concrete, frame: light steel frame	9068.7	none	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 3	off form concrete,frame:no frame	8827.5	none	-

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	7442.6	-
Internal wall type 2	75 mm AAC panel, frame:light steel frame	6319.4	-

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
concrete - plasterboard internal, frame: no frame	1239.86	-	-

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)
-	5451.3	-	5451.3	-	-	-	-

(b) Dwellings

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

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	5 star	5 star	-	not specified	4 star	-	-	-	-	-	-	-

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

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and		✓	✓
(cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓	
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	

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

	Cooling		Heating		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 3.0 - 3.5	1-phase airconditioning - ducted / EER 3.0 - 3.5	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	-	-	-	-	-	gas cooktop & electric oven	4 star	8.0 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 (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓
(i) The applicant must show on The plans accompanying The development application for The proposed development, The locations of ceiling fans set out in The Assessor Certificate.	✓		
(j) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), the locations of ceiling fans set out in the Assessor Certificate.		✓	

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
6001	12.2	19.1	31.300
6002	0.7	17.7	18.400
6003	0.4	21	21.400
6004	0.4	18.5	18.900

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
6005	1	19.1	20.100
6006	11.4	10.7	22.100
61001	31.2	6.2	37.400
61002	24.2	7.7	31.900
61003	15.4	18.6	34.000
61004	4.9	7.9	12.800
61005	8.7	8.2	16.900
61006	9.7	7.7	17.400
61007	4	8.7	12.700
61008	12.8	11.2	24.000
61009	26.3	6.1	32.400
61010	29	6.6	35.600
61102	30	6.1	36.100
61105	5.7	4.9	10.600
61106	6.2	5.5	11.700
61107	2.3	6	8.300
61108	8.8	7.6	16.400
61201	32.7	4.2	36.900
61202	30.1	6.1	36.200
61205	5.7	4.6	10.300
61206	6.1	5.2	11.300
61208	8.8	7.7	16.500
61209	26.4	4	30.400
61210	32.7	4.3	37.000
61302	30.2	6.1	36.300
61303	11.7	14.3	26.000
61305	5.8	4.6	10.400
61306	6.2	5	11.200
61308	8.8	8.3	17.100
61401	33.1	4.2	37.300
61402	30.6	6.1	36.700

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
61403	11.8	14.4	26.200
61404	2.9	5	7.900
61405	6	4.4	10.400
61406	6.4	5.1	11.500
61408	8.9	8.7	17.600
61409	26.6	4.3	30.900
61410	33.1	4.3	37.400
61503	12	14.8	26.800
61504	3	5	8.000
61505	6	4.6	10.600
61506	6.5	5.1	11.600
61508	8.9	9.5	18.400
61509	26.5	4.5	31.000
61601	33.2	4.2	37.400
61603	12	14.7	26.700
61604	3	5.1	8.100
61605	5.9	4.5	10.400
61606	6.6	5	11.600
61607	2.6	5.9	8.500
61608	8.8	11.2	20.000
61609	26.1	4.7	30.800
61610	33.2	4.3	37.500
61701	30.4	5.7	36.100
61702	24.9	8	32.900
61703	16.6	17.6	34.200
61704	5.4	8	13.400
61705	10.2	7.4	17.600
61706	10.7	7.7	18.400
61707	4.6	8.7	13.300
61708	13.1	16.4	29.500
61709	25.5	7.2	32.700

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
61710	30.4	6.9	37.300
61801	31.3	4	35.300
61802	28.3	6.2	34.500
61803	12.5	13.6	26.100
61804	3.2	4.9	8.100
61805	6.5	4.3	10.800
61806	6.9	4.6	11.500
61808	8.8	13.2	22.000
61809	27.9	5.8	33.700
61901	31.3	3.9	35.200
61902	28.2	6.2	34.400
61903	12.4	13.6	26.000
61904	3.1	4.7	7.800
61905	6.4	4.4	10.800
61906	6.8	4.8	11.600
61908	8.4	14.1	22.500
61909	24.9	6.3	31.200
62001	31.4	4.3	35.700
62002	28.2	6.7	34.900
62003	12.5	14.1	26.600
62004	3.1	5.1	8.200
62005	8.1	5.2	13.300
62006	6.8	5.3	12.100
62007	2.7	6	8.700
62008	8.2	15.5	23.700
62009	23.7	6.9	30.600
6201	9.3	18.7	28.000
62010	31	4.4	35.400
6202	0.5	5.6	6.100
6203	2.1	5.4	7.500
6204	2.2	6.2	8.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
6205	0.5	7.2	7.700
6206	13.9	8.9	22.800
62101	32.3	4	36.300
62102	29.1	7.8	36.900
62103	18.8	14.2	33.000
62104	10.3	7.2	17.500
62105	17.6	7.2	24.800
62106	6.6	5.7	12.300
62107	2.8	6	8.800
62108	8.4	15.7	24.100
62109	23.6	6.8	30.400
62110	30.3	4.9	35.200
62201	15.4	9.4	24.800
62202	9	8.1	17.100
62203	16.9	17.3	34.200
62204	27.4	8	35.400
62205	32.8	4.9	37.700
6301	14.6	16.5	31.100
6302	1.1	5.4	6.500
6303	3.4	5.2	8.600
6304	3.7	5.6	9.300
6305	1	6.8	7.800
6306	14.1	7.8	21.900
6401	33.9	3.6	37.500
6402	28.6	5	33.600
6403	8.9	16.5	25.400
6404	1.2	5.3	6.500
6405	3.7	5.1	8.800
6406	3.9	5.7	9.600
6407	1.1	5.9	7.000
6408	5.8	8.6	14.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
6409	29.5	4.1	33.600
6410	32.5	2.9	35.400
6501	28.2	4.6	32.800
6502	31.6	6	37.600
6503	9.1	16.6	25.700
6504	1.4	5.4	6.800
6505	3.8	5	8.800
6506	4.1	5.8	9.900
6507	1.2	6.3	7.500
6508	6.4	8.9	15.300
6509	28.4	4.8	33.200
6510	28	4.4	32.400
6601	28.8	4.7	33.500
6602	25.7	6.2	31.900
6603	8.9	17.6	26.500
6604	1.5	5.3	6.800
6605	4	5.1	9.100
6606	4.4	5.7	10.100
6607	1.2	6.2	7.400
6608	6.6	8.6	15.200
6609	29.00	4.8	33.800
6610	28.8	4.5	33.300
6701	29.2	4.6	33.800
6702	26.1	6.1	32.200
6703	9.3	17.2	26.500
6704	1.6	5.2	6.800
6705	4.2	5.1	9.300
6706	4.5	5.6	10.100
6707	1.3	6.1	7.400
6708	6.7	8.5	15.200
6709	29.4	4.8	34.200

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
6710	29.1	4.6	33.700
6801	29.7	4.6	34.300
6802	27	6.2	33.200
6803	9.4	16.7	26.100
6804	1.8	5.2	7.000
6805	4.3	5.1	9.400
6806	4.7	5.5	10.200
6807	1.4	6.2	7.600
6808	7	8.4	15.400
6809	29.9	4.7	34.600
6810	29.7	4.5	34.200
6901	29.2	4.7	33.900
6902	26.9	6.3	33.200
6903	9.6	16.8	26.400
6904	1.9	5.2	7.100
6905	4.4	5.1	9.500
6906	4.9	5.5	10.400
6907	1.5	6.2	7.700
6908	7.2	8.6	15.800
6909	30.1	4.8	34.900
6910	29.8	4.5	34.300
61101, 61110	32.5	4.3	36.800
61103, 61203	11.6	14.4	26.000
61109, 61309	26.4	4.2	30.600
61204, 61304	2.8	5.1	7.900
61207, 61307	2.4	5.9	8.300
61301, 61310	32.8	4.3	37.100
61407, 61507	2.5	5.9	8.400
61501, 61510	33.3	4.2	37.500
61502, 61602	30.7	6.1	36.800
61810, 61910	31.1	3.8	34.900

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
All other dwellings	2.7	5.3	8.000

(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	no common facility	no common facility	no common facility	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 2)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

Central energy systems	Type	Specification
Lift bank (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 23 number of levels from the bottom of the lift shaft to the top of the lift shaft: 23 number of lifts: 2 lift load capacity: >= 1001 kg but <= 1500kg
Lift bank (No. 2)	gearless traction with V V V F motor	Number of levels (including basement): 22 number of levels from the bottom of the lift shaft to the top of the lift shaft: 23 number of lifts: 2 lift load capacity: >= 1001 kg but <= 1500kg
Central hot water system (No. 1)	gas-fired boiler	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm)

2. Commitments for Residential flat buildings - Building7

(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
floors above habitable rooms, frame: suspended concrete slab	13444.7	-	-
suspended floor above open subfloor, frame: suspended concrete slab	292.8	-	-
concrete slab on ground, frame:	367.1	-	none

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (fibre cement sheet or boards),frame:light steel frame	9411.8	-	-
External wall type 2	off form concrete,frame:light steel frame	36	none	-
External wall type 3	off form concrete,frame:no frame	946	none	-

Internal wall types			
Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:light steel frame	10192.8	-
Internal wall type 2	75 mm AAC panel, frame:light steel frame	6493.7	-

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
concrete - plasterboard internal, frame: no frame	1232.43	-	-

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)
-	4534.8	-	4534.8	-	-	-	-

(b) Dwellings

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

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	5 star	5 star	-	not specified	4 star	-	-	-	-	-	-	-

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

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and		✓	✓
(cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓	
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	Central hot water system (No. 2)	individual fan, ducted to façade or roof	interlocked to light with timer off	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off

	Cooling		Heating		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 3.0 - 3.5	1-phase airconditioning - ducted / EER 3.0 - 3.5	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	-	-	-	-	-	gas cooktop & electric oven	4 star	8.0 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 (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓
(i) The applicant must show on The plans accompanying The development application for The proposed development, The locations of ceiling fans set out in The Assessor Certificate.	✓		
(j) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), the locations of ceiling fans set out in the Assessor Certificate.		✓	

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
7001	14.3	17.1	31.400
7002	11.2	11	22.200
7003	14.1	21	35.100
7004	11.3	20.5	31.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
7005	2.4	9.4	11.800
71001	17	16.9	33.900
71002	18.5	6.3	24.800
71003	19.6	9.6	29.200
71004	12.9	8.2	21.100
71005	23.7	13.2	36.900
71006	23.4	12.7	36.100
71007	5.1	8.4	13.500
71008	7.8	6	13.800
7101	17.8	11.8	29.600
7102	16.7	8.9	25.600
7103	11.6	20.6	32.200
7104	8.5	9.3	17.800
7105	2	10.8	12.800
71101	16.3	18.6	34.900
71102	18	8.8	26.800
71103	21.4	11.2	32.600
71104	12.6	9.8	22.400
71105	18.5	12.3	30.800
71106	18.5	12	30.500
71107	8.2	9.3	17.500
71108	10.2	8.2	18.400
71109	17.7	14.8	32.500
71201	19	16.7	35.700
71202	21.5	6.5	28.000
71203	23.6	12.1	35.700
71204	15.7	7.8	23.500
71205	19.7	11.3	31.000
71206	19.2	10.6	29.800
71207	6.3	8.6	14.900
71209	20.2	13.7	33.900

	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)
71301	18.9	16.3	35.200
71302	21.2	6.1	27.300
71303	24.3	12.1	36.400
71304	16	7.7	23.700
71305	20.6	10.2	30.800
71306	20.1	10.1	30.200
71307	7.3	8.6	15.900
71309	20	13.5	33.500
71401	16.5	16.8	33.300
71402	20	6.2	26.200
71403	23.6	10.1	33.700
71404	15.50	8.8	24.300
71405	20.2	10.9	31.100
71406	19.6	10.8	30.400
71407	7.4	8	15.400
71409	19.3	13.8	33.100
71501	13.6	16.1	29.700
71503	25.5	9.2	34.700
71504	16.5	8.6	25.100
71505	21	10.2	31.200
71506	20.5	10	30.500
71508	9.7	6.2	15.900
71509	19.6	13.9	33.500
71601	11.2	16.3	27.500
71602	19.9	6.2	26.100
71603	18.8	13.4	32.200
71604	16.2	7.5	23.700
71605	20.60	10.7	31.300
71606	20	10.4	30.400
71607	6.3	8.7	15.000
71608	9.6	6.2	15.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
71609	18	13.9	31.900
71701	10.3	15.9	26.200
71702	20.6	5.9	26.500
71703	25.1	11.8	36.900
71704	16.8	8	24.800
71706	20.9	9.9	30.800
71707	7.7	8	15.700
71708	9.5	6	15.500
71709	20.8	17.1	37.900
71801	9.8	16.7	26.500
71802	20.2	6.1	26.300
71803	24.4	9.6	34.000
71804	16.3	8.5	24.800
71805	20.9	10.7	31.600
71806	20.4	10.5	30.900
71809	14	16.9	30.900
71901	9.2	16.1	25.300
71902	20.9	5.9	26.800
71903	26.1	9.3	35.400
71904	17.1	8.2	25.300
71905	21.6	9.9	31.500
71906	21.1	10	31.100
71907	8.4	7.6	16.000
71908	9.10	6.1	15.200
71909	11.3	16.6	27.900
72001	8.8	16.6	25.400
72003	19.3	13.1	32.400
72004	16.8	7.9	24.700
72005	21.20	10.7	31.900
72006	20.6	10.6	31.200
72007	6.7	8.6	15.300

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
72008	8.8	5.9	14.700
72009	8.9	17.7	26.600
7201	10.00	18.7	28.700
7202	8.6	10.1	18.700
7203	10.9	13.3	24.200
7204	6.4	13.2	19.600
7205	9.7	17.9	27.600
7206	12.7	13.7	26.400
7207	1.9	10.8	12.700
72101	9.1	16.2	25.300
72102	21	6	27.000
72103	25.8	11.6	37.400
72104	17	7.9	24.900
72105	21.7	9.9	31.600
72107	7.8	8	15.800
72108	7.6	6.3	13.900
72109	8.8	17.4	26.200
72201	14.5	17.8	32.300
72202	26.8	8.9	35.700
72203	26.3	10	36.300
72204	21.2	9.2	30.400
72205	24.8	12.5	37.300
72206	25.1	12	37.100
72207	17	9	26.000
72208	14	8.3	22.300
72209	15.4	18.5	33.900
7301	5.4	19.2	24.600
7302	9.3	9.5	18.800
7303	12.2	12.2	24.400
7304	7.1	12.3	19.400
7305	14.4	20	34.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
7306	14.2	13.8	28.000
7307	2.4	10	12.400
7401	13.8	19.1	32.900
7402	14.7	7.4	22.100
7403	14.7	15	29.700
7404	9.4	6.9	16.300
7405	18.2	13.9	32.100
7406	19.2	12.2	31.400
7407	3.3	8.5	11.800
7408	13	5.5	18.500
7409	29.6	7.4	37.000
7501	14.5	18.3	32.800
7502	15.9	6.7	22.600
7504	10.4	7.4	17.800
7505	19.7	13.6	33.300
7506	19.8	12.5	32.300
7507	4.2	8.5	12.700
7508	5.9	6.7	12.600
7509	20.10	13.8	33.900
7601	14.6	18.3	32.900
7602	15.8	7.3	23.100
7603	16.3	10.1	26.400
7604	10.4	8.2	18.600
7605	17.1	13.5	30.600
7606	18.8	13	31.800
7607	3.8	8.8	12.600
7608	6.1	6.5	12.600
7609	19.1	17.5	36.600
7701	15.7	17.7	33.400
7702	16.8	6.7	23.500
7703	17.5	10.2	27.700

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
7704	11.5	9	20.500
7705	20.9	13.3	34.200
7706	20.6	11.9	32.500
7707	4.8	8.4	13.200
7708	6.3	6.7	13.000
7709	20	16.8	36.800
7801	15.3	18.2	33.500
7802	16.4	7.2	23.600
7803	16.6	13.7	30.300
7804	10.90	7.4	18.300
7805	20.6	12.8	33.400
7806	20.30	12.3	32.600
7807	4.5	8.4	12.900
7808	6.5	6.6	13.100
7809	19.8	17.3	37.100
7901	15.80	17.4	33.200
7902	17.4	6.7	24.100
7903	17.9	13.5	31.400
7904	11.9	7.4	19.300
7905	21.90	13.4	35.300
7906	21.6	11.8	33.400
7907	4.90	8.8	13.700
7908	6.7	6.7	13.400
7909	20.7	16.9	37.600
71009, 7503	16.1	14.3	30.400
71208, 71408	9.5	6.1	15.600
71308, 71808	9.5	6.2	15.700
71502, 72002	20.4	6.1	26.500
71507, 71807	8	7.7	15.700
All other dwellings	21.3	10	31.300

(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	no common facility	no common facility	no common facility	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 3)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Lift bank (No. 1)	-	-	light-emitting diode	connected to lift call button	no
Lift bank (No. 2)	-	-	light-emitting diode	connected to lift call button	no
Lift bank (No. 3)	-	-	light-emitting diode	connected to lift call button	no

Central energy systems	Type	Specification
Lift bank (No. 3)	gearless traction with V V V F motor	Number of levels (including basement): 22 number of levels from the bottom of the lift shaft to the top of the lift shaft: 23 number of lifts: 3 lift load capacity: >= 1001 kg but <= 1500kg
Central hot water system (No. 2)	gas-fired boiler	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.6 (~25 mm); (b) Piping internal to building: R0.6 (~25 mm)

3. Commitments for multi-dwelling housing

(a) Dwellings

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(d) The applicant must install the cooling and heating system/s specified for the dwelling under the "Living areas" and "Bedroom areas" headings of the "Cooling" and "Heating" columns in the table below, in/for at least 1 living/bedroom area of the dwelling. If no cooling or heating system is specified in the table for "Living areas" or "Bedroom areas", then no systems may be installed in any such areas. If the term "zoned" is specified beside an air conditioning system, then the system must provide for day/night zoning between living areas and bedrooms.		✓	✓
(e) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Artificial lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that the "primary type of artificial lighting" for each such room in the dwelling is fluorescent lighting or light emitting diode (LED) lighting. If the term "dedicated" is specified for a particular room or area, then the light fittings in that room or area must only be capable of being used for fluorescent lighting or light emitting diode (LED) lighting.		✓	✓
(f) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Natural lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that each such room or area is fitted with a window and/or skylight.	✓	✓	✓
(g) This commitment applies if the applicant installs a water heating system for the dwelling's pool or spa. The applicant must: (aa) install the system specified for the pool in the "Individual Pool" column of the table below (or alternatively must not install any system for the pool). If specified, the applicant must install a timer, to control the pool's pump; and (bb) install the system specified for the spa in the "Individual Spa" column of the table below (or alternatively must not install any system for the spa). If specified, the applicant must install a timer to control the spa's pump.		✓ ✓	
(h) The applicant must install in the dwelling: (aa) the kitchen cook-top and oven specified for that dwelling in the "Appliances & other efficiency measures" column of the table below; (bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of the table, and ensure that the appliance has that minimum rating; and (cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		✓ ✓ ✓	✓
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".		✓	
(iii) Thermal Performance and Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			

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

4. 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.		✓	

5. 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:	957.25	-	none
garage floor, frame: concrete slab on ground	2783.07	-	-
garage floor, frame: suspended concrete slab	9930.2	-	-
suspended floor above enclosed subfloor, frame: suspended concrete slab	3067.78	-	-
suspended floor above open subfloor, frame: suspended concrete slab	5074	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	off form concrete, frame: no frame	2000	none	-

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
-	-	-	-

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

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

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

(b) Common areas and central systems/facilities

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	no common facility	no common facility	no common facility	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
Car park area	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	zoned switching with motion sensor	no
Garbage rooms	ventilation exhaust only	-	light-emitting diode	motion sensors	no
Mec vent plant or service rooms	ventilation (supply + exhaust)	thermostatically controlled	light-emitting diode	manual on / manual off	no
Communal area	ventilation supply only	time clock or BMS controlled	light-emitting diode	daylight sensor and motion sensor	no
Ground floor lobby	ventilation supply only	time clock or BMS controlled	light-emitting diode	daylight sensors	no
Hallway/lobby	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	no

Central energy systems	Type	Specification
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 30 peak kW
Other	-	-

Notes

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

Legend

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