

# BASIX™ Certificate

Building Sustainability Index

[www.planningportal.nsw.gov.au/development-and-assessment/basix](http://www.planningportal.nsw.gov.au/development-and-assessment/basix)

## Multi Dwelling

Certificate number: 1822206M

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](http://www.planningportal.nsw.gov.au/definitions)

Secretary

Date of issue: Monday, 17 November 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 0012391240.

Project summary		
Project name	124-128 Campsie Street, Campsie	
Street address	124-128 & 132-142 BEAMISH STREET, AND 16-18 NINTH AVENUE CAMPSIE 2194	
Local Government Area	CANTERBURY-BANKSTOWN	
Plan type and plan number	Deposited Plan 176308, 101/-/739066, 1/-/575837, 1&2/A/4190	
Lot no.	1&2	
Section no.	-/176308, 101/-/739066, 1/-/575837, 1&2/A	
No. of residential flat buildings	1	
Residential flat buildings: no. of dwellings	346	
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	✔ -77	Target n/a

### Certificate Prepared by

Name / Company Name: Windtech Consultants

ABN (if applicable): 72050574037

# Description of project

## Project address

Project name	124-128 Campsie Street, Campsie
Street address	124-128 & 132-142 BEAMISH STREET, AND 16-18 NINTH AVENUE CAMPSIE 2194
Local Government Area	CANTERBURY-BANKSTOWN
Plan type and plan number	Deposited Plan 176308, 101/-/739066, 1/-/575837, 1&2/A/4190
Lot no.	1&2
Section no.	-/176308, 101/-/739066, 1/-/575837, 1&2/A

## Project type

No. of residential flat buildings	1
Residential flat buildings: no. of dwellings	346
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0

## Site details

Site area (m <sup>2</sup> )	3843.8
Roof area (m <sup>2</sup> )	163
Non-residential floor area (m <sup>2</sup> )	3400
Residential car spaces	323
Non-residential car spaces	35

## Common area landscape

Common area lawn (m <sup>2</sup> )	0
Common area garden (m <sup>2</sup> )	2122
Area of indigenous or low water use species (m <sup>2</sup> )	0

## Assessor details and thermal loads

Assessor number	20887
Certificate number	0012391240
Climate zone	56

## Project score

Water	✔ 41	Target 40
Thermal Performance	✔ Pass	Target Pass
Energy	✔ 63	Target 63
Materials	✔ -77	Target n/a

## Description of project

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

### Residential flat buildings - Building 1, 346 dwellings, 39 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
0301	2	83.3	0	0	0
0305	1	54.2	0	0	0
0309	1	56.5	0	0	0
0313	2	71.1	0	0	0
0404	2	85.4	0	0	0
0408	2	83.8	0	0	0
0412	2	81	0	0	0
0503	2	86.2	0	0	0
0507	1	53.2	0	0	0
0511	2	77.6	0	0	0
0602	1	54.7	0	0	0
0606	1	53.1	0	0	0
0610	2	83.4	0	0	0
0701	2	83.3	0	0	0
0705	1	54.2	0	0	0
0709	1	56.5	0	0	0
0713	2	71.1	0	0	0
0804	2	85.4	0	0	0
0808	2	83.8	0	0	0
0812	2	81	0	0	0
0903	2	86.2	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
0302	1	54.7	0	0	0
0306	1	53.1	0	0	0
0310	2	83.4	0	0	0
0401	2	83.3	0	0	0
0405	1	54.2	0	0	0
0409	1	56.5	0	0	0
0413	2	71.1	0	0	0
0504	2	85.4	0	0	0
0508	2	83.8	0	0	0
0512	2	81	0	0	0
0603	2	86.2	0	0	0
0607	1	53.2	0	0	0
0611	2	77.6	0	0	0
0702	1	54.7	0	0	0
0706	1	53.1	0	0	0
0710	2	83.4	0	0	0
0801	2	83.3	0	0	0
0805	1	54.2	0	0	0
0809	1	56.5	0	0	0
0813	2	71.1	0	0	0
0904	2	85.4	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
0303	2	86.2	0	0	0
0307	1	53.2	0	0	0
0311	2	77.6	0	0	0
0402	1	54.7	0	0	0
0406	1	53.1	0	0	0
0410	2	83.4	0	0	0
0501	2	83.3	0	0	0
0505	1	54.2	0	0	0
0509	1	56.5	0	0	0
0513	2	71.1	0	0	0
0604	2	85.4	0	0	0
0608	2	83.8	0	0	0
0612	2	81	0	0	0
0703	2	86.2	0	0	0
0707	1	53.2	0	0	0
0711	2	77.6	0	0	0
0802	1	54.7	0	0	0
0806	1	53.1	0	0	0
0810	2	83.4	0	0	0
0901	2	83.3	0	0	0
0905	1	54.2	0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
0304	2	85.4	0	0	0
0308	2	83.8	0	0	0
0312	2	81	0	0	0
0403	2	86.2	0	0	0
0407	1	53.2	0	0	0
0411	2	77.6	0	0	0
0502	1	54.7	0	0	0
0506	1	53.1	0	0	0
0510	2	83.4	0	0	0
0601	2	83.3	0	0	0
0605	1	54.2	0	0	0
0609	1	56.5	0	0	0
0613	2	71.1	0	0	0
0704	2	85.4	0	0	0
0708	2	83.8	0	0	0
0712	2	81	0	0	0
0803	2	86.2	0	0	0
0807	1	53.2	0	0	0
0811	2	77.6	0	0	0
0902	1	54.7	0	0	0
0906	1	53.1	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
0907	1	53.2	0	0	0
0911	2	77.6	0	0	0
1002	1	54.7	0	0	0
1006	1	53.1	0	0	0
1010	2	83.4	0	0	0
1101	2	83.3	0	0	0
1105	1	54.2	0	0	0
1109	1	56.5	0	0	0
1113	2	71.1	0	0	0
1204	2	85.4	0	0	0
1208	2	83.8	0	0	0
1212	2	81	0	0	0
1303	2	86.2	0	0	0
1307	1	53.2	0	0	0
1311	2	77.6	0	0	0
1402	1	54.7	0	0	0
1406	1	53.1	0	0	0
1410	2	83.4	0	0	0
1501	2	83.3	0	0	0
1505	1	54.2	0	0	0
1509	1	56.5	0	0	0
1513	2	71.1	0	0	0
1604	2	85.4	0	0	0
1608	2	83.8	0	0	0
1612	2	81	0	0	0
1703	2	86.2	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
0908	2	83.8	0	0	0
0912	2	81	0	0	0
1003	2	86.2	0	0	0
1007	1	53.2	0	0	0
1011	2	77.6	0	0	0
1102	1	54.7	0	0	0
1106	1	53.1	0	0	0
1110	2	83.4	0	0	0
1201	2	83.3	0	0	0
1205	1	54.2	0	0	0
1209	1	56.5	0	0	0
1213	2	71.1	0	0	0
1304	2	85.4	0	0	0
1308	2	83.8	0	0	0
1312	2	81	0	0	0
1403	2	86.2	0	0	0
1407	1	53.2	0	0	0
1411	2	77.6	0	0	0
1502	1	54.7	0	0	0
1506	1	53.1	0	0	0
1510	2	83.4	0	0	0
1601	2	83.3	0	0	0
1605	1	54.2	0	0	0
1609	1	56.5	0	0	0
1613	2	71.1	0	0	0
1704	2	85.4	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
0909	1	56.5	0	0	0
0913	2	71.1	0	0	0
1004	2	85.4	0	0	0
1008	2	83.8	0	0	0
1012	2	81	0	0	0
1103	2	86.2	0	0	0
1107	1	53.2	0	0	0
1111	2	77.6	0	0	0
1202	1	54.7	0	0	0
1206	1	53.1	0	0	0
1210	2	83.4	0	0	0
1301	2	83.3	0	0	0
1305	1	54.2	0	0	0
1309	1	56.5	0	0	0
1313	2	71.1	0	0	0
1404	2	85.4	0	0	0
1408	2	83.8	0	0	0
1412	2	81	0	0	0
1503	2	86.2	0	0	0
1507	1	53.2	0	0	0
1511	2	77.6	0	0	0
1602	1	54.7	0	0	0
1606	1	53.1	0	0	0
1610	2	83.4	0	0	0
1701	2	83.3	0	0	0
1705	1	54.2	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
0910	2	83.4	0	0	0
1001	2	83.3	0	0	0
1005	1	54.2	0	0	0
1009	1	56.5	0	0	0
1013	2	71.1	0	0	0
1104	2	85.4	0	0	0
1108	2	83.8	0	0	0
1112	2	81	0	0	0
1203	2	86.2	0	0	0
1207	1	53.2	0	0	0
1211	2	77.6	0	0	0
1302	1	54.7	0	0	0
1306	1	53.1	0	0	0
1310	2	83.4	0	0	0
1401	2	83.3	0	0	0
1405	1	54.2	0	0	0
1409	1	56.5	0	0	0
1413	2	71.1	0	0	0
1504	2	85.4	0	0	0
1508	2	83.8	0	0	0
1512	2	81	0	0	0
1603	2	86.2	0	0	0
1607	1	53.2	0	0	0
1611	2	77.6	0	0	0
1702	1	54.7	0	0	0
1706	1	53.1	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
1707	1	53.2	0	0	0
1711	2	77.6	0	0	0
1802	1	54.7	0	0	0
1806	1	53.2	0	0	0
1810	2	77.6	0	0	0
1902	1	54.7	0	0	0
1906	1	53.2	0	0	0
1910	2	77.6	0	0	0
2002	1	54.7	0	0	0
2006	1	53.2	0	0	0
2010	2	77.6	0	0	0
2102	1	54.7	0	0	0
2106	1	53.2	0	0	0
2110	2	77.6	0	0	0
2202	1	54.7	0	0	0
2206	1	53.2	0	0	0
2210	2	77.6	0	0	0
2302	1	54.7	0	0	0
2306	1	53.2	0	0	0
2310	2	77.6	0	0	0
2402	3	119	0	0	0
2406	2	81	0	0	0
2503	3	116.5	0	0	0
2507	2	71.1	0	0	0
2604	3	117.3	0	0	0
2701	2	83.3	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
1708	2	83.8	0	0	0
1712	2	81	0	0	0
1803	2	86.2	0	0	0
1807	2	83.8	0	0	0
1811	2	81	0	0	0
1903	2	86.2	0	0	0
1907	2	83.8	0	0	0
1911	2	81	0	0	0
2003	2	86.2	0	0	0
2007	2	83.8	0	0	0
2011	2	81	0	0	0
2103	2	86.2	0	0	0
2107	2	83.8	0	0	0
2111	2	81	0	0	0
2203	2	86.2	0	0	0
2207	2	83.8	0	0	0
2211	2	81	0	0	0
2303	2	86.2	0	0	0
2307	2	83.8	0	0	0
2311	2	81	0	0	0
2403	3	116.5	0	0	0
2407	2	71.1	0	0	0
2504	3	117.3	0	0	0
2601	2	83.3	0	0	0
2605	2	77.6	0	0	0
2702	3	119	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
1709	1	56.5	0	0	0
1713	2	71.1	0	0	0
1804	4+	128.4	6.7	0	0
1808	1	56.5	0	0	0
1812	2	71.1	0	0	0
1904	4+	128.4	6.7	0	0
1908	1	56.5	0	0	0
1912	2	71.1	0	0	0
2004	4+	128.4	6.7	0	0
2008	1	56.5	0	0	0
2012	2	71.1	0	0	0
2104	4+	128.4	6.7	0	0
2108	1	56.5	0	0	0
2112	2	71.1	0	0	0
2204	4+	128.4	6.7	0	0
2208	1	56.5	0	0	0
2212	2	71.1	0	0	0
2304	4+	128.4	6.7	0	0
2308	1	56.5	0	0	0
2312	2	71.1	0	0	0
2404	3	117.3	0	0	0
2501	2	83.3	0	0	0
2505	2	77.6	0	0	0
2602	3	119	0	0	0
2606	2	81	0	0	0
2703	3	116.5	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
1710	2	83.4	0	0	0
1801	2	83.3	0	0	0
1805	1	53.1	0	0	0
1809	2	83.4	0	0	0
1901	2	83.3	0	0	0
1905	1	53.1	0	0	0
1909	2	83.4	0	0	0
2001	2	83.3	0	0	0
2005	1	53.1	0	0	0
2009	2	83.4	0	0	0
2101	2	83.3	0	0	0
2105	1	53.1	0	0	0
2109	2	83.4	0	0	0
2201	2	83.3	0	0	0
2205	1	53.1	0	0	0
2209	2	83.4	0	0	0
2301	2	83.3	0	0	0
2305	1	53.1	0	0	0
2309	2	83.4	0	0	0
2401	2	83.3	0	0	0
2405	2	77.6	0	0	0
2502	3	119	0	0	0
2506	2	81	0	0	0
2603	3	116.5	0	0	0
2607	2	71.1	0	0	0
2704	3	117.3	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
2705	2	77.6	0	0	0
2802	3	119	0	0	0
2806	2	81	0	0	0
2903	3	116.5	0	0	0
2907	2	71.1	0	0	0
3004	3	117.3	0	0	0
3101	2	83.3	0	0	0
3105	2	77.6	0	0	0
3202	3	119.00	0	0	0
3303	3	107.70	0	0	0
3403	3	107.70	0	0	0
3503	3	107.70	0	0	0
3603	3	107.70	0	0	0
3801	4+	228.10	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
2706	2	81	0	0	0
2803	3	116.5	0	0	0
2807	2	71.1	0	0	0
2904	3	117.3	0	0	0
3001	2	83.3	0	0	0
3005	2	77.6	0	0	0
3102	3	119	0	0	0
3106	2	81	0	0	0
3203	4+	134.20	0	0	0
3304	4+	134.90	0	0	0
3404	4+	134.90	0	0	0
3504	4+	134.90	0	0	0
3604	4+	134.90	0	0	0
3802	4+	258.80	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
2707	2	71.1	0	0	0
2804	3	117.3	0	0	0
2901	2	83.3	0	0	0
2905	2	77.6	0	0	0
3002	3	119	0	0	0
3006	2	81	0	0	0
3103	3	116.5	0	0	0
3107	2	71.1	0	0	0
3301	3	117.80	0	0	0
3401	3	117.80	0	0	0
3501	3	117.80	0	0	0
3601	3	117.80	0	0	0
3701	4+	228.10	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
2801	2	83.3	0	0	0
2805	2	77.6	0	0	0
2902	3	119	0	0	0
2906	2	81	0	0	0
3003	3	116.5	0	0	0
3007	2	71.1	0	0	0
3104	3	117.3	0	0	0
3201	3	117.80	0	0	0
3302	3	95.70	0	0	0
3402	3	95.70	0	0	0
3502	3	95.70	0	0	0
3602	3	95.70	0	0	0
3702	4+	258.80	0	0	0

## Description of project

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

### Common areas of unit building - Building 1

Common area	Floor area (m <sup>2</sup> )
Lift bank (No. 1)	-
L2 Plant	12
GL Storage Room	4
Ground floor residential lobby	130

Common area	Floor area (m <sup>2</sup> )
L2 Wellness Spa/Gym	1051
L2 C/P Exhaust Fan Room	42
L2 Toilets	75
Tower enclosed lobbies	3430

Common area	Floor area (m <sup>2</sup> )
L32 Communal Dining	59
L32 Cold Water Pump	5
L32 DDA	8

### Common areas of the development (non-building specific)

Common area	Floor area (m <sup>2</sup> )
B5-B1 Carpark	14276
GL Residential Waste Room	154
B2 Fire Pump Room	41
B1 Combined Sprinkler & Hydrant Tank	90
GL Substation	46
B5-B1 Storage Rooms	55

Common area	Floor area (m <sup>2</sup> )
GL Loading	150
GL Bulky Waste Room	29
B1 Carpark Supply Airfan Room	48
B1 RW/OSD Tank Rooms	60
GL FCR	23
B5-B1 enclosed lobbies	160

Common area	Floor area (m <sup>2</sup> )
B2 Comms Room	38
B2-B1 Hyd Grease Arrestor Rooms	88
B1 MSB	38
B1 Carpark Exhaust Airfan Room	50
GL Mail Room	32

# Schedule of BASIX commitments

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

### (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 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 - Building 1

#### (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:	27863	-	none

#### External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	concrete block/ plasterboard, frame: timber - untreated softwood	2000	-	-

#### Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame: timber - untreated softwood	2000	-

**Reinforcement concrete frames/columns**

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

**Ceiling and roof types**

Ceiling and roof type	Area (m <sup>2</sup> )	Roof Insulation	Ceiling Insulation
concrete - plasterboard internal, frame: timber - untreated softwood	27863	-	-

**Glazing types****Frame types**

Single glazing (m <sup>2</sup> )	Double glazing (m <sup>2</sup> )	Triple glazing (m <sup>2</sup> )	Aluminium frames (m <sup>2</sup> )	Timber frames (m <sup>2</sup> )	uPVC frames (m <sup>2</sup> )	Steel frames (m <sup>2</sup> )	Composite frames (m <sup>2</sup> )
-	1200	-	-	-	-	-	1200

**(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: <ul style="list-style-type: none"> <li>(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</li> <li>(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.</li> </ul>		✔ ✔	✔ ✔
(e) The applicant must not install a private swimming pool or spa for the dwelling, with a volume exceeding that specified for it in the table below.	✔	✔	
(f) If specified in the table, that pool or spa (or both) must have a pool cover or shading (or both).		✔	
(g) The pool or spa must be located as specified in the table.	✔	✔	
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in the table below. Each system must be configured to collect run-off from the areas specified (excluding any area which supplies any other alternative water supply system), and to divert overflow as specified. Each system must be connected as specified.	✔	✔	✔

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	6 star	6 star	-	2 star	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	interlocked to light

	Cooling		Heating		Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bathrooms or toilets	Main kitchen
All dwellings	1-phase airconditioning - ducted / 4 star (old label)	1-phase airconditioning - ducted / 4 star (old label)	1-phase airconditioning - ducted / 4 star (old label)	1-phase airconditioning - ducted / 4 star (old label)	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	2.5 star	2 star	yes	no

<b>(iii) Thermal Performance</b>	<b>Show on DA plans</b>	<b>Show on CC/CDC plans &amp; specs</b>	<b>Certifier check</b>
(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.		✔	

<b>Thermal loads</b>			
Dwelling no.	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
0301	25.4	8.5	33.900
0302	26.9	8.9	35.800
0303	27.4	9.6	37.000
0304	16	14.3	30.300

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
0305	16.8	8.5	25.300
0306	13.4	9.6	23.000
0307	16.7	15.2	31.900
0308	21.8	8.5	30.300
0309	12.5	6.6	19.100
0310	14	10.5	24.500
0311	10.9	12.4	23.300
0312	16.3	12.9	29.200
0313	15.9	12	27.900
0401	27.3	8.9	36.200
0402	22.9	10.5	33.400
0403	24.1	10.6	34.700
0404	15.5	14.5	30.000
0405	11.4	12.4	23.800
0406	8.7	11.7	20.400
0407	14.8	15	29.800
0408	16.8	12.7	29.500
0409	8.1	8.4	16.500
0410	11.6	12.3	23.900
0411	11	12.3	23.300
0412	15.8	12.1	27.900
0413	16.5	11.8	28.300
0501	26.5	8.3	34.800
0502	24.1	7.5	31.600
0503	25	11	36.000
0504	15.9	14.4	30.300
0505	11.8	11.8	23.600
0506	9	11.5	20.500
0507	17.3	15.1	32.400
0508	17.3	12.5	29.800
0509	9.9	8.6	18.500

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
0510	12	12.5	24.500
0511	11.2	12.4	23.600
0512	16.3	12.1	28.400
0513	17	11.9	28.900
0601	27	8.2	35.200
0602	25.5	7.7	33.200
0603	25.5	10.9	36.400
0604	16.3	14.5	30.800
0605	12.1	11.6	23.700
0606	9.2	11.1	20.300
0607	15.8	14.4	30.200
0608	17.5	12.7	30.200
0609	10.2	8.8	19.000
0610	12.4	12.3	24.700
0611	11.5	12.5	24.000
0612	17.9	12.1	30.000
0613	17.5	11.5	29.000
0701	27.3	8.3	35.600
0702	29.1	8.9	38.000
0703	25.9	10.8	36.700
0704	16.5	14.5	31.000
0705	12.3	11.7	24.000
0706	9.3	10.9	20.200
0707	15.9	14.1	30.000
0708	17.6	13	30.600
0709	10.4	8.6	19.000
0710	12.6	12.3	24.900
0711	11.7	12.2	23.900
0712	18.2	12.1	30.300
0713	17.8	11.4	29.200
0801	27.7	8.4	36.100

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
0802	25.8	10.6	36.400
0803	26.2	10.9	37.100
0804	16.9	14.5	31.400
0805	12.5	11.6	24.100
0806	9.6	10.8	20.400
0807	16	14	30.000
0808	17.8	13.1	30.900
0809	10.6	8.6	19.200
0810	13	12.2	25.200
0811	11.9	12.1	24.000
0812	18.6	12.1	30.700
0813	18.1	11.4	29.500
0901	27.9	8.1	36.000
0902	26.2	10.3	36.500
0904	17.1	14.6	31.700
0905	12.7	11.6	24.300
0906	9.7	10.7	20.400
0907	16.3	13.8	30.100
0908	17.8	13	30.800
0909	10.9	8.9	19.800
0910	13.1	12.3	25.400
0911	12.1	12.1	24.200
0912	18.8	11.9	30.700
0913	18.4	11.4	29.800
1001	28.2	8	36.200
1002	26.5	10.1	36.600
1003	27	10.7	37.700
1004	17.4	14.6	32.000
1005	12.9	11.4	24.300
1006	10	10.7	20.700
1007	16.7	13.7	30.400

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
1008	18.1	12.8	30.900
1009	11.1	8.2	19.300
1010	13.4	12.4	25.800
1011	12.3	12	24.300
1012	19.2	11.8	31.000
1013	18.7	11.3	30.000
1101	28	7.8	35.800
1102	26.9	10.1	37.000
1103	27.3	10.6	37.900
1104	17.7	14.5	32.200
1105	13.2	11.4	24.600
1106	10.1	10.8	20.900
1107	17.1	13.7	30.800
1108	18.4	12.6	31.000
1109	11.4	8.1	19.500
1110	13.7	12.2	25.900
1111	12.5	12.1	24.600
1112	19.5	11.9	31.400
1113	19	11.2	30.200
1201	28.3	8	36.300
1202	27.2	10.2	37.400
1203	26.4	11	37.400
1204	18.1	14.3	32.400
1205	13.3	11.2	24.500
1206	10.4	10.7	21.100
1207	17.5	13.3	30.800
1208	18.6	12.4	31.000
1209	11.6	8	19.600
1210	14	11.9	25.900
1211	12.7	12.1	24.800
1212	19.8	11.9	31.700

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
1213	19.3	11.2	30.500
1301	28.5	7.7	36.200
1302	27.4	10.2	37.600
1304	18.3	14.6	32.900
1305	13.5	11.1	24.600
1306	10.4	10.8	21.200
1307	17.7	13.4	31.100
1308	18.8	12.5	31.300
1309	11.8	8.1	19.900
1310	14.2	11.8	26.000
1311	12.9	12.2	25.100
1312	19.9	11.8	31.700
1313	19.5	11.2	30.700
1401	29.3	8.1	37.400
1402	27.7	10.1	37.800
1403	26.9	10.7	37.600
1404	18.6	14.1	32.700
1405	13.8	11.3	25.100
1406	10.6	11	21.600
1408	12.9	12.4	25.300
1409	12	8	20.000
1410	14.4	11.8	26.200
1411	13.1	11.9	25.000
1412	20.2	11.7	31.900
1413	19.8	11	30.800
1501	29.5	7.8	37.300
1502	27.9	9.9	37.800
1503	27.1	10.6	37.700
1504	18.7	14.1	32.800
1505	13.9	10.9	24.800
1506	10.7	10.6	21.300

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
1507	18.3	12.8	31.100
1508	19	12.2	31.200
1509	12.1	8	20.100
1510	14.6	11.8	26.400
1511	13.2	12.1	25.300
1512	20.4	11.7	32.100
1513	20	10.9	30.900
1601	29.8	7.8	37.600
1602	27.2	9.5	36.700
1603	27.4	10.5	37.900
1604	19.1	14	33.100
1605	14.2	10.9	25.100
1606	11	10.2	21.200
1607	18.5	12.8	31.300
1608	19.2	12.3	31.500
1609	12.4	7.9	20.300
1610	14.9	11.8	26.700
1611	13.5	12.3	25.800
1612	20.7	11.6	32.300
1613	20.3	10.9	31.200
1701	30	7.5	37.500
1703	24.4	9	33.400
1704	21.5	14.3	35.800
1705	14	11.3	25.300
1706	12.9	10.4	23.300
1707	22.1	14.2	36.300
1708	22.4	13.1	35.500
1709	14.1	8.9	23.000
1710	14.7	11.1	25.800
1711	13.6	12	25.600
1712	21	11.1	32.100

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
1713	23.2	11.3	34.500
1801	30.1	7.5	37.600
1802	26.4	9.4	35.800
1803	26.1	9.8	35.900
1804	21.1	8.3	29.400
1805	11.2	10.1	21.300
1806	19.1	13.5	32.600
1807	19.5	12.3	31.800
1808	12.6	7.8	20.400
1809	15.2	11.2	26.400
1810	13.7	12	25.700
1811	19	10.7	29.700
1812	20.6	10.7	31.300
1901	30.4	7.6	38.000
1903	26.6	9.6	36.200
1904	21.1	8.4	29.500
1905	11.5	10.3	21.800
1906	19.2	12.7	31.900
1907	19.8	12.1	31.900
1908	12.8	7.7	20.500
1909	15.5	11.4	26.900
1910	13.9	11.8	25.700
1911	19.5	11	30.500
1912	20.9	10.5	31.400
2001	29.5	7.4	36.900
2002	26.5	8.8	35.300
2003	26	8.6	34.600
2004	21.2	8.3	29.500
2005	11.6	10.5	22.100
2006	19.4	12.7	32.100
2007	19.9	12.3	32.200

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
2008	13	7.7	20.700
2009	15.6	11.5	27.100
2010	14	11.7	25.700
2011	19.4	10.5	29.900
2012	21	10.4	31.400
2101	29.6	7.6	37.200
2102	27	9	36.000
2103	25.9	8.7	34.600
2104	21.4	8.3	29.700
2105	10.1	11.7	21.800
2106	19.6	12.8	32.400
2107	20.1	12.2	32.300
2108	13.1	7.4	20.500
2109	15.7	11.4	27.100
2110	14.2	11.5	25.700
2111	19.5	10.8	30.300
2112	21.2	10.4	31.600
2201	29.8	6.6	36.400
2202	27.2	9.2	36.400
2203	27.8	9.4	37.200
2204	21.5	8.3	29.800
2205	11.8	10	21.800
2206	19.8	12.8	32.600
2207	20.2	11.9	32.100
2208	13.2	7.4	20.600
2209	15.8	11.4	27.200
2210	14.3	11.7	26.000
2211	19.7	10.8	30.500
2212	21.3	10.4	31.700
2301	29.9	7.1	37.000
2304	29.1	7.2	36.300

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
2305	12.4	10.1	22.500
2306	23.1	13.3	36.400
2307	18.6	10.7	29.300
2308	14.7	8.8	23.500
2309	17.3	12.1	29.400
2310	16.3	12.5	28.800
2311	21.7	11.3	33.000
2312	22.9	10.3	33.200
2401	27.7	9.1	36.800
2402	17.7	11.9	29.600
2403	22.5	14.1	36.600
2404	15.7	10.6	26.300
2405	12.1	9.3	21.400
2406	20	10.6	30.600
2407	21.6	10.3	31.900
2501	25.9	8	33.900
2503	20	13	33.000
2504	15.8	10.5	26.300
2505	12.2	9.7	21.900
2506	20.1	10.5	30.600
2507	21.8	10.2	32.000
2601	26	8.1	34.100
2602	18.2	13	31.200
2603	20.2	13	33.200
2604	15.9	10.5	26.400
2605	12.3	9.5	21.800
2606	20.2	10.7	30.900
2607	21.9	10.2	32.100
2701	26.1	8.1	34.200
2702	18.3	13	31.300
2703	20.3	12.9	33.200

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
2704	16	10.3	26.300
2705	12.4	9.4	21.800
2706	20.4	10.2	30.600
2707	22.1	10.1	32.200
2801	26.3	8.1	34.400
2802	18.5	12.9	31.400
2803	20.4	12.8	33.200
2804	16.1	10.3	26.400
2805	12.5	9.3	21.800
2806	20.5	10.1	30.600
2807	22.2	10	32.200
2902	18.6	12.9	31.500
2903	20.5	12.7	33.200
2905	12.6	9.2	21.800
2906	20.7	10.1	30.800
2907	22.3	9.9	32.200
3002	18.6	12.6	31.200
3003	20.5	12.6	33.100
3005	12.7	9.3	22.000
3006	20.7	10.2	30.900
3007	22.3	10.1	32.400
3101	28.9	9	37.900
3102	21	13.8	34.800
3103	27.5	10.4	37.900
3104	23	9.7	32.700
3105	14.8	10.7	25.500
3106	24.1	12	36.100
3107	25.4	10.3	35.700
3201	28.4	6.1	34.500
3202	19.1	12.8	31.900
3203	19.3	12.3	31.600

Dwelling no.	Thermal loads		
	Area adjusted heating load (in MJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in MJ/m <sup>2</sup> /yr)	Area adjusted total load (in MJ/m <sup>2</sup> /yr)
3301	26.6	5.8	32.400
3302	22.5	11.5	34.000
3303	15.3	11.1	26.400
3304	18.1	10.9	29.000
3401	26.5	5.7	32.200
3402	20.4	10.4	30.800
3403	13.1	10.4	23.500
3404	16.3	9.5	25.800
3501	26.9	6	32.900
3502	18.6	9.4	28.000
3503	12.8	10.1	22.900
3504	16.9	9.7	26.600
3601	26.9	5.8	32.700
3602	20.2	11.8	32.000
3603	14.1	10.6	24.700
3604	16.9	9.5	26.400
3701	18.9	13.1	32.000
3702	10.4	9.9	20.300
3801	24.1	11.1	35.200
3802	16.7	9.6	26.300
0903, 1303	26.6	10.7	37.300
1407, 2502	18.1	13.1	31.200
1702, 1902	27.5	9.2	36.700
2302, 2303	31.3	6.4	37.700
2901, 3001	26.4	8	34.400
All other dwellings	16.3	10.3	26.600

**(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	6 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Swimming pool (No. 1)	Volume: 180 kLs	Location: Building 1 Pool shaded: no	-
Central water tank - rainwater or stormwater (No. 1)	5000	To collect run-off from at least: - 160 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 2122 square metres of common landscaped area on the site - car washing in 0 car washing bays on the site
Fire sprinkler system (No. 1)	-	-	-

(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	Common area ventilation system		Common area lighting		
	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
L2 Wellness Spa/Gym	ventilation supply only	time clock or BMS controlled	light-emitting diode	manual on / manual off	-
L32 Communal Dining	air conditioning system	time clock or BMS controlled	light-emitting diode	manual on / manual off	-
L2 Plant	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	-
L2 C/P Exhaust Fan Room	ventilation exhaust only	interlocked to light	light-emitting diode	manual on / manual off	-
L32 Cold Water Pump	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	-
GL Storage Room	no mechanical ventilation	-	light-emitting diode	manual on / manual off	-
L2 Toilets	ventilation exhaust only	time clock or BMS controlled	light-emitting diode	manual on / manual off	-
L32 DDA	ventilation exhaust only	time clock or BMS controlled	light-emitting diode	manual on / manual off	-
Ground floor residential lobby	ventilation supply only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	no
Tower enclosed lobbies	ventilation supply only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	no

Central energy systems	Type	Specification
Swimming pool (No. 1)	Heating source: no heating	Pump controlled by timer: yes
Lift bank (No. 1)	gearless traction with V V V F motor	Number of levels with apartments served by a lift: 43 number of levels from the bottom of the lift shaft to the top of the lift shaft: 43 number of lifts: 4 lift load capacity: >= 1001 kg but <= 1500kg

Central energy systems	Type	Specification
Central hot water system (No. 1)	gas-fired boiler	Piping insulation (ringmain & supply risers): (a) Piping external to building: R1.0 (~38 mm); (b) Piping internal to building: R1.0 (~38 mm)

## 2. 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:	11905	-	none

#### External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (metal clad), frame:timber - untreated softwood	2000	-	-

#### Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame:timber - untreated softwood	2000	-

#### 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 (m <sup>2</sup> )	Roof Insulation	Ceiling Insulation
concrete - plasterboard internal, frame: timber - untreated softwood	11905	-	-

**Glazing types****Frame types**

Single glazing (m <sup>2</sup> )	Double glazing (m <sup>2</sup> )	Triple glazing (m <sup>2</sup> )	Aluminium frames (m <sup>2</sup> )	Timber frames (m <sup>2</sup> )	uPVC frames (m <sup>2</sup> )	Steel frames (m <sup>2</sup> )	Composite frames (m <sup>2</sup> )
-	200	-	-	-	-	-	200

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

<b>(i) Water</b>	<b>Show on DA plans</b>	<b>Show on CC/CDC plans &amp; specs</b>	<b>Certifier check</b>
(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.		✓	✓

<b>Common area</b>	<b>Showerheads rating</b>	<b>Toilets rating</b>	<b>Taps rating</b>	<b>Clothes washers rating</b>
All common areas	no common facility	4 star	6 star	no common laundry facility

<b>Central systems</b>	<b>Size</b>	<b>Configuration</b>	<b>Connection (to allow for...)</b>
Fire sprinkler system (No. 2)	-	-	-
Fire sprinkler system (No. 3)	-	-	-
Fire sprinkler system (No. 4)	-	-	-

<b>(ii) Energy</b>	<b>Show on DA plans</b>	<b>Show on CC/CDC plans &amp; specs</b>	<b>Certifier check</b>
(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.		✓	✓

<b>(ii) Energy</b>	<b>Show on DA plans</b>	<b>Show on CC/CDC plans &amp; specs</b>	<b>Certifier check</b>
(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	Common area ventilation system		Common area lighting		
	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
B5-B1 Carpark	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	time clock and motion sensors	no
GL Loading	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	time clock and motion sensors	no
B2 Comms Room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	-
GL Residential Waste Room	ventilation exhaust only	-	light-emitting diode	manual on / manual off	no
GL Bulky Waste Room	ventilation exhaust only	-	light-emitting diode	manual on / manual off	no
B2-B1 Hyd Grease Arrestor Rooms	ventilation exhaust only	interlocked to light	light-emitting diode	manual on / manual off	no
B2 Fire Pump Room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
B1 Carpark Supply Airfan Room	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	no
B1 MSB	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	-
B1 Combined Sprinkler & Hydrant Tank	ventilation supply only	none i.e., continuous	light-emitting diode	manual on / manual off	-
B1 RW/OSD Tank Rooms	no mechanical ventilation	-	light-emitting diode	manual on / manual off	-
B1 Carpark Exhaust Airfan Room	ventilation exhaust only	interlocked to light	light-emitting diode	manual on / manual off	-
GL Substation	no mechanical ventilation	-	light-emitting diode	manual on / manual off	-
GL FCR	ventilation supply only	interlocked to light	light-emitting diode	manual on / manual off	-
B1 EOT	ventilation exhaust only	time clock or BMS controlled	light-emitting diode	manual on / manual off	-
GL Mail Room	ventilation supply only	time clock or BMS controlled	light-emitting diode	manual on / manual off	no
B5-B1 Storage Rooms	no mechanical ventilation	-	light-emitting diode	manual on / manual off	-
B5-B1 enclosed lobbies	ventilation supply only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	no

Central energy systems	Type	Specification
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 33 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).