

# BASIX<sup>®</sup>Certificate

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

## Multi Dwelling

Certificate number: 1072682M\_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.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

This certificate is a revision of certificate number 1072682M lodged with the consent authority or certifier on 27 March 2020 with application DA/20/0148.

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 Environmental Planning and Assessment Regulation 2000

Secretary

Date of issue: Monday, 22 November 2021

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



Planning,  
Industry &  
Environment

### Project summary

Project name	634-652 High Street Penrith_02
Street address	634 High Street Penrith 2750
Local Government Area	Penrith City Council
Plan type and plan number	deposited 1202310
Lot no.	2
Section no.	-
No. of residential flat buildings	2
No. of units in residential flat buildings	357
No. of multi-dwelling houses	0
No. of single dwelling houses	0

### Project score

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

### Certificate Prepared by

Name / Company Name: EMF Griffiths

ABN (if applicable): 50166024880

# Description of project

## Project address

Project name	634-652 High Street Penrith_02
Street address	634 High Street Penrith 2750
Local Government Area	Penrith City Council
Plan type and plan number	deposited 1202310
Lot no.	2
Section no.	-

## Project type

No. of residential flat buildings	2
No. of units in residential flat buildings	357
No. of multi-dwelling houses	0
No. of single dwelling houses	0

## Site details

Site area (m²)	3791
Roof area (m²)	2148.8
Non-residential floor area (m²)	1479.6
Residential car spaces	334
Non-residential car spaces	72

## Common area landscape

Common area lawn (m²)	109.5
Common area garden (m²)	579.0
Area of indigenous or low water use species (m²)	347.4

## Assessor details

Assessor number	10045
Certificate number	0006807210
Climate zone	28
Ceiling fan in at least one bedroom	No
Ceiling fan in at least one living room or other conditioned area	No

## Project score

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

## Description of project

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

### Residential flat buildings - Building 1, 87 dwellings, 12 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> )
A101	2	75.0	0.0	0.0	0.0
A201	2	75.0	0.0	0.0	0.0
A301	2	75.0	0.0	0.0	0.0
A401	2	75.0	0.0	0.0	0.0
A406	2	75.0	0.0	0.0	0.0
A503	2	77.0	0.0	0.0	0.0
A508	3	95.0	0.0	0.0	0.0
A605	1	56.0	0.0	0.0	0.0
A702	2	78.0	0.0	0.0	0.0
A707	2	79.0	0.0	0.0	0.0
A804	1	56.0	0.0	0.0	0.0
A901	2	75.0	0.0	0.0	0.0
A906	2	75.0	0.0	0.0	0.0
A10032	77.0	0.0	0.0	0.0	0.0
A10083	95.0	0.0	0.0	0.0	0.0
A11051	56.0	0.0	0.0	0.0	0.0
A12022	78.0	0.0	0.0	0.0	0.0
A12072	79.0	0.0	0.0	0.0	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> )
A102	2	78.0	0.0	0.0	0.0
A202	2	78.0	0.0	0.0	0.0
A302	2	78.0	0.0	0.0	0.0
A402	2	78.0	0.0	0.0	0.0
A407	2	79.0	0.0	0.0	0.0
A504	1	56.0	0.0	0.0	0.0
A601	2	75.0	0.0	0.0	0.0
A606	2	75.0	0.0	0.0	0.0
A703	2	77.0	0.0	0.0	0.0
A708	3	95.0	0.0	0.0	0.0
A805	1	56.0	0.0	0.0	0.0
A902	2	78.0	0.0	0.0	0.0
A907	2	79.0	0.0	0.0	0.0
A10041	56.0	0.0	0.0	0.0	0.0
A11012	75.0	0.0	0.0	0.0	0.0
A11062	75.0	0.0	0.0	0.0	0.0
A12032	78.0	0.0	0.0	0.0	0.0
A12083	95.0	0.0	0.0	0.0	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> )
A103	2	77.0	0.0	6.5	3.9
A203	2	77.0	0.0	0.0	0.0
A303	2	77.0	0.0	0.0	0.0
A403	2	77.0	0.0	0.0	0.0
A408	3	95.0	0.0	0.0	0.0
A505	1	56.0	0.0	0.0	0.0
A602	2	78.0	0.0	0.0	0.0
A607	2	79.0	0.0	0.0	0.0
A704	1	56.0	0.0	0.0	0.0
A801	2	75.0	0.0	0.0	0.0
A806	2	75.0	0.0	0.0	0.0
A903	2	77.0	0.0	0.0	0.0
A908	3	95.0	0.0	0.0	0.0
A10051	56.0	0.0	0.0	0.0	0.0
A11022	78.0	0.0	0.0	0.0	0.0
A11072	79.0	0.0	0.0	0.0	0.0
A12041	56.0	0.0	0.0	0.0	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> )
A104	1	56.0	0.0	4.0	2.4
A204	1	56.0	0.0	0.0	0.0
A304	1	56.0	0.0	0.0	0.0
A404	1	56.0	0.0	0.0	0.0
A501	2	75.0	0.0	0.0	0.0
A506	2	75.0	0.0	0.0	0.0
A603	2	77.0	0.0	0.0	0.0
A608	3	95.0	0.0	0.0	0.0
A705	1	56.0	0.0	0.0	0.0
A802	2	78.0	0.0	0.0	0.0
A807	2	79.0	0.0	0.0	0.0
A904	1	56.0	0.0	0.0	0.0
A10012	75.0	0.0	0.0	0.0	0.0
A10062	75.0	0.0	0.0	0.0	0.0
A11032	77.0	0.0	0.0	0.0	0.0
A11083	95.0	0.0	0.0	0.0	0.0
A12051	56.0	0.0	0.0	0.0	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> )
A105	1	56.0	0.0	7.0	4.2
A205	1	56.0	0.0	0.0	0.0
A305	1	56.0	0.0	0.0	0.0
A405	1	56.0	0.0	0.0	0.0
A502	2	78.0	0.0	0.0	0.0
A507	2	79.0	0.0	0.0	0.0
A604	1	56.0	0.0	0.0	0.0
A701	2	75.0	0.0	0.0	0.0
A706	2	75.0	0.0	0.0	0.0
A803	2	77.0	0.0	0.0	0.0
A808	3	95.0	0.0	0.0	0.0
A905	1	56.0	0.0	0.0	0.0
A10022	78.0	0.0	0.0	0.0	0.0
A10072	79.0	0.0	0.0	0.0	0.0
A11041	56.0	0.0	0.0	0.0	0.0
A12012	75.0	0.0	0.0	0.0	0.0
A12062	75.0	0.0	0.0	0.0	0.0

# Residential flat buildings - Building 2, 270 dwellings, 34 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> )
B101	1	60.0	0.0	6.5	3.9
B201	1	60.0	0.0	7.0	4.2
B301	1	59.0	0.0	0.0	0.0
B401	3	95.0	0.0	0.0	0.0
B406	2	83.0	0.0	0.0	0.0
B505	2	57.0	0.0	0.0	0.0
B602	2	77.0	0.0	0.0	0.0
B607	2	78.0	0.0	0.0	0.0
B703	3	95.0	0.0	0.0	0.0
B708	2	83.0	0.0	0.0	0.0
B804	2	76.0	0.0	0.0	0.0
B809	1	59.0	0.0	0.0	0.0
B905	1	57.0	0.0	0.0	0.0
B10011	59.0	0.0	0.0	0.0	0.0
B10062	83.0	0.0	0.0	0.0	0.0
B11022	77.0	0.0	0.0	0.0	0.0
B11072	78.0	0.0	0.0	0.0	0.0
B12033	95.0	0.0	0.0	0.0	0.0
B12082	83.0	0.0	0.0	0.0	0.0
B13042	76.0	0.0	0.0	0.0	0.0
B13091	59.0	0.0	0.0	0.0	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> )
B102	1	57.0	0.0	4.0	2.4
B202	1	57.0	0.0	5.0	3.0
B302	1	57.0	0.0	0.0	0.0
B402	2	75.0	0.0	0.0	0.0
B501	3	59.0	0.0	0.0	0.0
B506	2	83.0	0.0	0.0	0.0
B603	3	95.0	0.0	0.0	0.0
B608	2	83.0	0.0	0.0	0.0
B704	2	74.0	0.0	0.0	0.0
B709	1	59.0	0.0	0.0	0.0
B805	1	57.0	0.0	0.0	0.0
B901	1	59.0	0.0	0.0	0.0
B906	2	83.0	0.0	0.0	0.0
B10022	77.0	0.0	0.0	0.0	0.0
B10072	78.0	0.0	0.0	0.0	0.0
B11033	95.0	0.0	0.0	0.0	0.0
B11082	83.0	0.0	0.0	0.0	0.0
B12042	76.0	0.0	0.0	0.0	0.0
B12091	59.0	0.0	0.0	0.0	0.0
B13051	57.0	0.0	0.0	0.0	0.0
B14011	59.0	0.0	0.0	0.0	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> )
B103	2	83.0	0.0	18.5	11.1
B203	2	83.0	0.0	14.0	8.4
B303	2	83.0	0.0	0.0	0.0
B403	1	57.0	0.0	0.0	0.0
B502	2	77.0	0.0	0.0	0.0
B507	2	78.0	0.0	0.0	0.0
B604	2	75.0	0.0	0.0	0.0
B609	2	59.0	0.0	0.0	0.0
B705	1	57.0	0.0	0.0	0.0
B801	1	59.0	0.0	0.0	0.0
B806	2	83.0	0.0	0.0	0.0
B902	2	77.0	0.0	0.0	0.0
B907	2	78.0	0.0	0.0	0.0
B10033	95.0	0.0	0.0	0.0	0.0
B10082	83.0	0.0	0.0	0.0	0.0
B11042	76.0	0.0	0.0	0.0	0.0
B11091	59.0	0.0	0.0	0.0	0.0
B12051	57.0	0.0	0.0	0.0	0.0
B13011	59.0	0.0	0.0	0.0	0.0
B13062	83.0	0.0	0.0	0.0	0.0
B14022	77.0	0.0	0.0	0.0	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> )
B104	2	78.0	0.0	6.0	3.6
B204	2	78.0	0.0	6.5	3.9
B304	2	78.0	0.0	0.0	0.0
B404	2	83.0	0.0	0.0	0.0
B503	1	95.0	0.0	0.0	0.0
B508	2	83.0	0.0	0.0	0.0
B605	1	57.0	0.0	0.0	0.0
B701	1	59.0	0.0	0.0	0.0
B706	2	83.0	0.0	0.0	0.0
B802	2	77.0	0.0	0.0	0.0
B807	2	78.0	0.0	0.0	0.0
B903	3	95.0	0.0	0.0	0.0
B908	2	83.0	0.0	0.0	0.0
B10042	76.0	0.0	0.0	0.0	0.0
B10091	59.0	0.0	0.0	0.0	0.0
B11051	57.0	0.0	0.0	0.0	0.0
B12011	59.0	0.0	0.0	0.0	0.0
B12062	83.0	0.0	0.0	0.0	0.0
B13022	77.0	0.0	0.0	0.0	0.0
B13072	78.0	0.0	0.0	0.0	0.0
B14033	95.0	0.0	0.0	0.0	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> )
B105	2	83.0	0.0	15.0	9.0
B205	2	83.0	0.0	5.0	3.0
B305	2	83.0	0.0	0.0	0.0
B405	2	78.0	0.0	0.0	0.0
B504	2	75.0	0.0	0.0	0.0
B601	1	59.0	0.0	0.0	0.0
B606	2	83.0	0.0	0.0	0.0
B702	2	77.0	0.0	0.0	0.0
B707	2	78.0	0.0	0.0	0.0
B803	3	95.0	0.0	0.0	0.0
B808	2	83.0	0.0	0.0	0.0
B904	2	78.0	0.0	0.0	0.0
B909	1	59.0	0.0	0.0	0.0
B10051	57.0	0.0	0.0	0.0	0.0
B11011	59.0	0.0	0.0	0.0	0.0
B11062	83.0	0.0	0.0	0.0	0.0
B12022	77.0	0.0	0.0	0.0	0.0
B12072	78.0	0.0	0.0	0.0	0.0
B13033	95.0	0.0	0.0	0.0	0.0
B13082	83.0	0.0	0.0	0.0	0.0
B14042	76.0	0.0	0.0	0.0	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> )
B14051	57.0	0.0	0.0	0.0	0.0
B15011	59.0	0.0	0.0	0.0	0.0
B15062	83.0	0.0	0.0	0.0	0.0
B16022	77.0	0.0	0.0	0.0	0.0
B16072	78.0	0.0	0.0	0.0	0.0
B17033	95.0	0.0	0.0	0.0	0.0
B17082	83.0	0.0	0.0	0.0	0.0
B18042	76.0	0.0	0.0	0.0	0.0
B18091	59.0	0.0	0.0	0.0	0.0
B19051	57.0	0.0	0.0	0.0	0.0
B20011	59.0	0.0	0.0	0.0	0.0
B20062	83.0	0.0	0.0	0.0	0.0
B21022	77.0	0.0	0.0	0.0	0.0
B21072	78.0	0.0	0.0	0.0	0.0
B22033	95.0	0.0	0.0	0.0	0.0
B22082	83.0	0.0	0.0	0.0	0.0
B23042	76.0	0.0	0.0	0.0	0.0
B23091	59.0	0.0	0.0	0.0	0.0
B24051	57.0	0.0	0.0	0.0	0.0
B25011	59.0	0.0	0.0	0.0	0.0
B25062	83.0	0.0	0.0	0.0	0.0
B26022	77.0	0.0	0.0	0.0	0.0
B26072	78.0	0.0	0.0	0.0	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> )
B14062	83.0	0.0	0.0	0.0	0.0
B15022	77.0	0.0	0.0	0.0	0.0
B15072	78.0	0.0	0.0	0.0	0.0
B16033	95.0	0.0	0.0	0.0	0.0
B16082	83.0	0.0	0.0	0.0	0.0
B17042	76.0	0.0	0.0	0.0	0.0
B17091	59.0	0.0	0.0	0.0	0.0
B18051	57.0	0.0	0.0	0.0	0.0
B19011	59.0	0.0	0.0	0.0	0.0
B19062	83.0	0.0	0.0	0.0	0.0
B20022	77.0	0.0	0.0	0.0	0.0
B20072	78.0	0.0	0.0	0.0	0.0
B21033	95.0	0.0	0.0	0.0	0.0
B21082	83.0	0.0	0.0	0.0	0.0
B22042	76.0	0.0	0.0	0.0	0.0
B22091	59.0	0.0	0.0	0.0	0.0
B23051	57.0	0.0	0.0	0.0	0.0
B24011	59.0	0.0	0.0	0.0	0.0
B24062	83.0	0.0	0.0	0.0	0.0
B25022	77.0	0.0	0.0	0.0	0.0
B25072	78.0	0.0	0.0	0.0	0.0
B26033	95.0	0.0	0.0	0.0	0.0
B26082	83.0	0.0	0.0	0.0	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> )
B14072	78.0	0.0	0.0	0.0	0.0
B15033	95.0	0.0	0.0	0.0	0.0
B15082	83.0	0.0	0.0	0.0	0.0
B16042	76.0	0.0	0.0	0.0	0.0
B16091	59.0	0.0	0.0	0.0	0.0
B17051	57.0	0.0	0.0	0.0	0.0
B18011	59.0	0.0	0.0	0.0	0.0
B18062	83.0	0.0	0.0	0.0	0.0
B19022	77.0	0.0	0.0	0.0	0.0
B19072	78.0	0.0	0.0	0.0	0.0
B20033	95.0	0.0	0.0	0.0	0.0
B20082	83.0	0.0	0.0	0.0	0.0
B21042	76.0	0.0	0.0	0.0	0.0
B21091	59.0	0.0	0.0	0.0	0.0
B22051	57.0	0.0	0.0	0.0	0.0
B23011	59.0	0.0	0.0	0.0	0.0
B23062	83.0	0.0	0.0	0.0	0.0
B24022	77.0	0.0	0.0	0.0	0.0
B24072	78.0	0.0	0.0	0.0	0.0
B25033	95.0	0.0	0.0	0.0	0.0
B25082	83.0	0.0	0.0	0.0	0.0
B26042	76.0	0.0	0.0	0.0	0.0
B26091	59.0	0.0	0.0	0.0	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> )
B14082	83.0	0.0	0.0	0.0	0.0
B15042	76.0	0.0	0.0	0.0	0.0
B15091	59.0	0.0	0.0	0.0	0.0
B16051	57.0	0.0	0.0	0.0	0.0
B17011	59.0	0.0	0.0	0.0	0.0
B17062	83.0	0.0	0.0	0.0	0.0
B18022	77.0	0.0	0.0	0.0	0.0
B18072	78.0	0.0	0.0	0.0	0.0
B19033	95.0	0.0	0.0	0.0	0.0
B19082	83.0	0.0	0.0	0.0	0.0
B20042	76.0	0.0	0.0	0.0	0.0
B20091	59.0	0.0	0.0	0.0	0.0
B21051	57.0	0.0	0.0	0.0	0.0
B22011	59.0	0.0	0.0	0.0	0.0
B22062	83.0	0.0	0.0	0.0	0.0
B23022	77.0	0.0	0.0	0.0	0.0
B23072	78.0	0.0	0.0	0.0	0.0
B24033	95.0	0.0	0.0	0.0	0.0
B24082	83.0	0.0	0.0	0.0	0.0
B25042	76.0	0.0	0.0	0.0	0.0
B25091	59.0	0.0	0.0	0.0	0.0
B26051	57.0	0.0	0.0	0.0	0.0
B27011	59.0	0.0	0.0	0.0	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> )
B14091	59.0	0.0	0.0	0.0	0.0
B15051	57.0	0.0	0.0	0.0	0.0
B16011	59.0	0.0	0.0	0.0	0.0
B16062	83.0	0.0	0.0	0.0	0.0
B17022	77.0	0.0	0.0	0.0	0.0
B17072	78.0	0.0	0.0	0.0	0.0
B18033	95.0	0.0	0.0	0.0	0.0
B18082	83.0	0.0	0.0	0.0	0.0
B19042	76.0	0.0	0.0	0.0	0.0
B19091	59.0	0.0	0.0	0.0	0.0
B20051	57.0	0.0	0.0	0.0	0.0
B21011	59.0	0.0	0.0	0.0	0.0
B21062	83.0	0.0	0.0	0.0	0.0
B22022	77.0	0.0	0.0	0.0	0.0
B22072	78.0	0.0	0.0	0.0	0.0
B23033	95.0	0.0	0.0	0.0	0.0
B23082	83.0	0.0	0.0	0.0	0.0
B24042	76.0	0.0	0.0	0.0	0.0
B24091	59.0	0.0	0.0	0.0	0.0
B25051	57.0	0.0	0.0	0.0	0.0
B26011	59.0	0.0	0.0	0.0	0.0
B26062	83.0	0.0	0.0	0.0	0.0
B27022	77.0	0.0	0.0	0.0	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> )
B27033	95.0	0.0	0.0	0.0	0.0
B27082	83.0	0.0	0.0	0.0	0.0
B28042	76.0	0.0	0.0	0.0	0.0
B28091	59.0	0.0	0.0	0.0	0.0
B29052	78.0	0.0	0.0	0.0	0.0
B30031	57.0	0.0	0.0	0.0	0.0
B31013	95.0	0.0	0.0	0.0	0.0
B31062	84.0	0.0	0.0	0.0	0.0
B32052	78.0	0.0	0.0	0.0	0.0
B33042	84.0	0.0	0.0	0.0	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> )
B27042	76.0	0.0	0.0	0.0	0.0
B27091	59.0	0.0	0.0	0.0	0.0
B28051	57.0	0.0	0.0	0.0	0.0
B29013	95.0	0.0	0.0	0.0	0.0
B29062	83.0	0.0	0.0	0.0	0.0
B30042	83.0	0.0	0.0	0.0	0.0
B31022	76.0	0.0	0.0	0.0	0.0
B32013	95.0	0.0	0.0	0.0	0.0
B32062	84.0	0.0	0.0	0.0	0.0
B34011	57.0	0.0	0.0	0.0	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> )
B27051	57.0	0.0	0.0	0.0	0.0
B28011	59.0	0.0	0.0	0.0	0.0
B28062	83.0	0.0	0.0	0.0	0.0
B29022	76.0	0.0	0.0	0.0	0.0
B29071	59.0	0.0	0.0	0.0	0.0
B30052	78.0	0.0	0.0	0.0	0.0
B31031	57.0	0.0	0.0	0.0	0.0
B32022	76.0	0.0	0.0	0.0	0.0
B33011	57.0	0.0	0.0	0.0	0.0
B34022	83.0	0.0	0.0	0.0	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> )
B27062	83.0	0.0	0.0	0.0	0.0
B28022	77.0	0.0	0.0	0.0	0.0
B28072	78.0	0.0	0.0	0.0	0.0
B29031	57.0	0.0	0.0	0.0	0.0
B30013	95.0	0.0	0.0	0.0	0.0
B30062	83.0	0.0	0.0	0.0	0.0
B31042	83.0	0.0	0.0	0.0	0.0
B32031	57.0	0.0	0.0	0.0	0.0
B33022	83.0	0.0	0.0	0.0	0.0
B34032	78.0	0.0	0.0	0.0	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> )
B27072	78.0	0.0	0.0	0.0	0.0
B28033	95.0	0.0	0.0	0.0	0.0
B28082	83.0	0.0	0.0	0.0	0.0
B29042	83.0	0.0	0.0	0.0	0.0
B30022	76.0	0.0	0.0	0.0	0.0
B30071	59.0	0.0	0.0	0.0	0.0
B31052	78.0	0.0	0.0	0.0	0.0
B32042	83.0	0.0	0.0	0.0	0.0
B33032	78.0	0.0	0.0	0.0	0.0
B34042	84.0	0.0	0.0	0.0	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 (m²)
GF Loading Dock	176.1
GF Waste Room	44.3
Bld 1 GF Mail Room	5.2
Bld 1 GF Lobby	40.1

Common area	Floor area (m²)
Lift car (No.1)	-
GF Residential Bin Store	141.5
GF Bulky Goods	55.0
Bld 1 Apartment Corridors	817.5

Common area	Floor area (m²)
Lift car (No.2)	-
Bld 1 Non-Enc Plant/Services	239.3
Bld 1 Fire Control Room	10.8

### Common areas of unit building - Building 2

Common area	Floor area (m²)
Lift car (No.3)	-
Lift car (No.6)	-
Bld 2 Non-Enc Plant/Services	533.57
Bld 2 GF Lobby	49.7

Common area	Floor area (m²)
Lift car (No.4)	-
Bld 2 L4 Communal/Gym	103.6
Bld 2 GF Mail Room	21.1
Bld 2 Apartment Corridors	1962.38

Common area	Floor area (m²)
Lift car (No.5)	-
Bld 2 Enc Plant/Services	238.5
Bld 2 L4 Accessible WC	5.85

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

Common area	Floor area (m²)
B3-B1 Carpark	9940.4
B1 Residential Bin Store	175.8

Common area	Floor area (m²)
L1-2 Car Park	2696.17
GF Plant/Services	22.0

Common area	Floor area (m²)
L3 Car Park	1508.01
B1 Cleaners	8.8

# Schedule of BASIX commitments

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

### (a) Dwellings

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

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

- (i) Water
- (ii) Energy

## 2. Commitments for Residential flat buildings - Building 2

### (a) Dwellings

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

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

- (i) Water
- (ii) Energy

## 3. Commitments for multi-dwelling houses

## 4. Commitments for single dwelling houses

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

- (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) 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	4 star	4 star	no	-	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
A501, A502, A508	central water tank (no. 1)	See central systems	See central systems	yes	no	no	no	no
A503, A504, A505, A506	central water tank (no. 1)	See central systems	See central systems	yes	-	-	-	-

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

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

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

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
A401	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	2 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	yes
A104, A105, A204, A205, A304, A305, A503	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
A407, A408, A507, A508, A607, A608, A707, A708, A807, A808, A907, A908, A1007, A1008, A1107, A1108, A1207, A1208	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	3 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
All other dwellings	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	2 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

	Individual pool		Individual spa		Appliances & other efficiency measures							
Dwelling no.	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	-	yes	3.5 star	-	6 star	no	no

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

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
A101	62.6	48.2
A102	62.7	32.5
A103	63.2	47.8
A104	45.5	41.4
A105	60.7	41.3
A201	58.7	45.0
A202	59.6	33.5
A203	52.3	43.6
A204	47.0	40.8
A205	61.3	41.0
A301	61.3	40.3
A302	62.4	29.2
A303	55.3	36.8
A304	49.6	37.8
A305	63.1	34.9
A401	61.6	40.8
A402	59.4	25.8
A403	56.4	42.8
A404	54.7	43.7
A405	49.4	35.7
A406	59.8	29.4
A407	59.1	29.9
A408	53.7	38.9
A501	59.6	41.6
A502	59.7	24.2
A503	57.8	40.2
A504	51.7	37.6

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
A505	49.6	35.7
A506	45.1	33.9
A507	46.8	33.2
A508	33.3	47.7
A601	58.8	42.4
A602	60.0	23.7
A603	56.5	35.1
A604	50.9	37.7
A605	51.5	40.2
A606	43.8	29.7
A607	47.1	32.9
A608	32.1	45.3
A701	59.8	42.5
A702	60.4	23.9
A703	56.8	34.5
A704	51.3	37.9
A705	51.7	40.1
A706	44.3	29.4
A707	47.2	32.8
A708	32.8	45.1
A801	60.0	42.6
A802	60.5	23.8
A803	58.8	38.4
A804	57.2	43.3
A805	51.8	39.7
A806	45.8	33.6
A807	47.4	32.5

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
A808	33.3	45.2
A902	61.9	22.8
A903	58.6	30.9
A904	59.3	41.0
A905	54.2	38.0
A906	46.0	28.4
A907	49.4	30.7
A908	34.1	43.7
A1001	61.7	39.1
A1002	62.1	22.7
A1003	60.7	34.0
A1004	58.6	40.5
A1005	54.2	37.6
A1006	48.3	31.8
A1007	49.3	30.5
A1008	34.6	43.8
A1102	62.2	22.7
A1103	59.0	30.9
A1104	59.9	40.4
A1105	52.6	33.2
A1106	46.6	28.1
A1107	49.7	30.4
A1108	35.1	43.7
A1201	60.0	46.2
A1202	60.6	29.0
A1203	63.2	31.3
A1204	56.2	34.2



	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in mJ/m <sup>2</sup> /yr)
A1205	63.1	30.6
A1206	52.9	30.2
A1207	57.9	29.2
A1208	43.8	39.9
All other dwellings	61.5	38.9

**(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	4 star	no common laundry facility

<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.		✓	✓
(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
GF Loading Dock	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	motion sensors	No
Lift car (No.1)	-	-	light-emitting diode	connected to lift call button	No
Lift car (No.2)	-	-	light-emitting diode	connected to lift call button	No
GF Waste Room	ventilation exhaust only	-	light-emitting diode	motion sensors	No
GF Residential Bin Store	ventilation exhaust only	-	light-emitting diode	motion sensors	No
Bld 1 Non-Enc Plant/Services	no mechanical ventilation	-	light-emitting diode	motion sensors	No
Bld 1 GF Mail Room	ventilation supply only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	No
GF Bulky Goods	ventilation exhaust only	none ie. continuous	light-emitting diode	manual on / timer off	No
Bld 1 Fire Control Room	ventilation exhaust only	none ie. continuous	light-emitting diode	time clock and motion sensors	No
Bld 1 GF Lobby	ventilation supply only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	No
Bld 1 Apartment Corridors	ventilation supply only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	No

Central energy systems	Type	Specification
Lift (No. 1)	gearless traction with V V V F motor and regenerative drive	Number of levels (including basement): 16
Lift (No. 2)	gearless traction with V V V F motor and regenerative drive	Number of levels (including basement): 16

## 2. Commitments for Residential flat buildings - Building 2

### (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.	✓	✓	✓

	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	4 star	4 star	no	-	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
B501, B502, B503, B504, B505, B506	central water tank (no. 1)	See central systems	See central systems	yes	no	no	no	no

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.			
(b) The applicant must install each hot water system specified for the dwelling in the table below, so that the dwelling's hot water is supplied by that system. If the table specifies a central hot water system for the dwelling, then the applicant must connect that central system to the dwelling, so that the dwelling's hot water is supplied by that central system.	✓	✓	✓
(c) The applicant must install, in each bathroom, kitchen and laundry of the dwelling, the ventilation system specified for that room in the table below. Each such ventilation system must have the operation control specified for it in the table.		✓	✓
(d) The applicant must install the cooling and heating system/s specified for the dwelling under the "Living areas" and "Bedroom areas" headings of the "Cooling" and "Heating" columns in the table below, in/for at least 1 living/bedroom area of the dwelling. If no cooling or heating system is specified in the table for "Living areas" or "Bedroom areas", then no systems may be installed in any such areas. If the term "zoned" is specified beside an air conditioning system, then the system must provide for day/night zoning between living areas and bedrooms.		✓	✓
(e) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Artificial lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that the "primary type of artificial lighting" for each such room in the dwelling is fluorescent lighting or light emitting diode (LED) lighting. If the term "dedicated" is specified for a particular room or area, then the light fittings in that room or area must only be capable of being used for fluorescent lighting or light emitting diode (LED) lighting.		✓	✓

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

	<b>Hot water</b>	<b>Bathroom ventilation system</b>		<b>Kitchen ventilation system</b>		<b>Laundry ventilation system</b>	
<b>Dwelling no.</b>	<b>Hot water system</b>	<b>Each bathroom</b>	<b>Operation control</b>	<b>Each kitchen</b>	<b>Operation control</b>	<b>Each laundry</b>	<b>Operation control</b>
All dwellings	central hot water system 1	individual fan, ducted to façade or roof	interlocked to light	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
B103, B104, B105, B203, B204, B205, B303, B304, B305, B507, B508, B609	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	2 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
B601, B701, B801, B901, B1001, B1101, B1201, B1301, B1401, B1501, B1601, B1701, B1801, B1901, B2001, B2101, B2201, B2301, B2401, B2501, B2601, B2701, B2801, B2901, B3001, B3101, B3201, B3301	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no



Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
B401, B404, B406, B501, B504, B506, B603, B606, B608, B703, B706, B708, B803, B806, B808, B903, B906, B908, B1003, B1006, B1008, B1106, B1108, B1203, B1206, B1208, B1303, B1306, B1308, B1403, B1406, B1408, B1503, B1506, B1508, B1603, B1606, B1608, B1703,	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	3 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

	Cooling		Heating		Artificial lighting						Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/ toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
B1706, B1708, B1803, B1806, B1808, B1903, B1906, B1908, B2003, B2006, B2008, B2103, B2106, B2108, B2203, B2206, B2208, B2303, B2306, B2308, B2403, B2406, B2408, B2503, B2506, B2508, B2603, B2606, B2608, B2703, B2706, B2708, B2803, B2806, B2808, B2903, B2906, B3003, B3006,												

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
B3103, B3106, B3203, B3206, B3303, B3401, B3404												
All other dwellings	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	2 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

Dwelling no.	Individual pool		Individual spa		Appliances & other efficiency measures							
	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	-	yes	3.5 star	-	6 star	no	no

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
(c) The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX Certificate, including the details shown in the "Thermal Loads" table below.			

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

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)
B101	59.1	32.3
B102	60.6	31.2
B103	61.5	44.4
B104	58.7	19.6
B105	51.3	58.7
B201	37.5	60.9
B202	35.7	35.4
B203	23.0	60.0
B204	12.4	49.5

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
B205	27.5	41.7
B301	46.0	58.2
B302	37.9	33.7
B303	25.7	54.0
B304	14.5	43.8
B305	30.1	36.0
B401	58.5	26.9
B402	53.6	31.7
B403	38.4	33.6
B404	26.2	54.1
B405	14.7	43.8
B406	30.3	35.6
B501	44.6	25.3
B502	41.8	24.3
B503	37.1	33.2
B504	42.4	32.4
B505	38.8	33.6
B506	26.5	53.7
B507	14.9	43.5
B508	30.7	35.2
B601	44.9	25.2
B602	42.1	24.0
B603	37.4	33.1
B604	42.5	32.2
B605	39.0	33.4
B606	26.8	53.2
B607	15.0	43.0

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
B608	21.8	35.8
B609	61.8	24.3
B701	45.2	25.2
B702	42.4	23.8
B703	37.6	33.0
B704	46.2	34.2
B705	39.3	33.5
B706	27.1	52.7
B707	15.2	42.7
B708	22.0	35.4
B709	55.5	28.2
B801	45.4	25.2
B802	42.6	23.6
B803	41.2	32.6
B804	56.4	40.4
B805	39.5	33.5
B806	27.3	52.5
B807	15.3	42.5
B808	22.2	35.1
B809	55.7	28.1
B901	46.8	24.5
B902	43.9	22.2
B903	42.5	30.9
B904	53.8	39.3
B905	40.8	31.2
B906	29.8	48.6
B907	16.3	40.0

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
B908	23.2	32.4
B909	57.1	27.2
B1001	46.9	24.5
B1002	44.1	22.3
B1003	42.7	30.7
B1004	53.9	39.2
B1005	41.0	30.9
B1006	30.0	48.1
B1007	16.5	40.1
B1008	23.3	32.0
B1009	57.3	27.2
B1101	47.0	24.5
B1102	44.2	22.3
B1103	42.8	30.7
B1104	54.0	38.9
B1105	41.1	31.0
B1106	30.1	47.8
B1107	16.6	39.9
B1108	23.4	32.1
B1109	57.4	27.2
B1201	47.2	24.4
B1202	44.4	22.2
B1203	42.9	30.5
B1204	54.2	39.2
B1205	42.8	31.4
B1206	30.3	48.1
B1207	16.7	39.8

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
B1208	23.5	31.9
B1209	57.7	27.2
B1301	47.3	24.9
B1302	44.5	22.2
B1303	43.0	30.6
B1304	54.3	38.5
B1305	42.9	31.3
B1306	30.4	48.4
B1307	16.8	39.3
B1308	23.6	31.7
B1309	57.8	27.4
B1401	47.4	24.7
B1402	44.6	22.2
B1403	43.1	30.4
B1404	54.4	38.3
B1405	43.0	31.5
B1406	30.5	48.1
B1407	16.8	39.5
B1408	23.7	31.7
B1409	57.9	27.0
B1501	47.6	24.4
B1502	44.7	22.1
B1503	43.2	30.2
B1504	54.6	38.3
B1505	43.2	31.1
B1506	30.7	47.9
B1507	16.9	39.4



	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
B1508	23.9	31.3
B1509	58.1	27.0
B1601	47.7	24.4
B1602	44.8	22.5
B1603	43.3	30.2
B1604	54.7	38.3
B1605	43.3	30.9
B1606	30.9	47.6
B1607	17.0	39.3
B1608	24.0	31.1
B1609	58.2	27.0
B1701	47.7	24.3
B1702	44.9	22.2
B1703	43.4	30.2
B1704	54.8	38.1
B1705	43.4	30.7
B1706	31.0	47.6
B1707	17.1	39.0
B1708	24.1	30.9
B1709	58.3	26.7
B1801	47.8	24.1
B1802	45.0	22.4
B1803	43.5	30.2
B1804	54.9	38.2
B1805	43.4	30.8
B1806	31.2	47.4
B1807	17.1	38.7

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
B1808	24.2	31.1
B1809	58.4	26.7
B1901	47.9	24.0
B1902	45.1	22.4
B1903	43.5	30.1
B1904	54.9	38.7
B1905	43.5	30.9
B1906	31.3	47.3
B1907	17.2	38.9
B1908	24.3	31.0
B1909	58.5	27.0
B2001	47.9	24.1
B2002	45.2	22.3
B2003	43.6	30.1
B2004	55.0	38.8
B2005	43.6	31.3
B2006	31.4	47.2
B2007	17.3	38.6
B2009	58.6	27.1
B2101	48.0	24.0
B2102	45.3	22.3
B2104	55.1	38.8
B2105	43.7	31.3
B2106	31.4	47.4
B2109	58.7	27.0
B2201	48.0	23.9
B2204	55.2	39.3

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
B2206	31.5	47.1
B2304	55.1	39.5
B2306	31.2	47.7
B2307	17.5	38.3
B2308	24.5	30.5
B2402	45.4	21.8
B2404	55.2	39.7
B2406	31.3	47.9
B2407	17.5	38.2
B2409	58.9	26.7
B2501	48.1	24.3
B2502	45.4	22.0
B2506	31.4	48.3
B2508	24.6	30.6
B2509	59.0	26.8
B2601	48.2	24.2
B2602	45.5	21.8
B2606	31.6	48.3
B2607	17.7	38.2
B2609	59.0	27.0
B2701	48.3	24.7
B2702	45.6	22.0
B2703	43.8	30.5
B2704	55.2	40.0
B2705	43.8	31.3
B2706	31.7	48.7
B2709	59.1	26.8

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
B2801	57.7	24.1
B2802	57.0	21.7
B2803	43.7	30.4
B2804	55.2	40.4
B2805	43.7	31.4
B2806	31.7	49.4
B2807	17.6	38.4
B2808	24.8	30.3
B2809	59.0	26.9
B2901	43.8	30.8
B2902	55.2	40.9
B2903	43.7	31.5
B2904	31.7	49.6
B2905	17.7	38.3
B2906	24.8	30.5
B2907	53.1	30.3
B3002	55.1	41.2
B3003	43.7	32.1
B3004	31.8	50.8
B3006	24.9	30.2
B3007	61.1	29.0
B3102	54.6	41.4
B3103	43.6	32.3
B3104	31.7	51.6
B3106	36.3	34.6
B3201	55.2	29.5
B3202	62.0	38.8

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
B3203	43.6	33.1
B3204	31.7	52.2
B3205	17.9	37.8
B3206	36.4	35.1
B3301	52.0	33.6
B3302	31.7	53.0
B3303	18.0	37.6
B3304	36.4	34.8
B3401	60.7	32.3
B3402	35.9	48.2
B3403	24.5	35.1
B3404	44.2	34.2
B2008, B2108	24.4	30.6
B2107, B2207	17.4	38.7
B2202, B2302	45.3	21.9
B2208, B2408	24.5	30.6
B2209, B2309	58.8	26.7
B2301, B2401	48.1	24.2
B2305, B2605	43.7	31.2
B2503, B3101	43.7	30.7
B2504, B2604	55.2	39.8
B2507, B2707	17.6	38.0
B2603, B3001	43.8	30.6
B2608, B2708	24.7	30.6
B3005, B3105	17.8	38.1
B2205, B2405, B2505	43.7	30.9
All other dwellings	43.7	30.5

**(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	4 star	no common laundry facility

<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.		✓	✓
(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 car (No.3)	-	-	light-emitting diode	connected to lift call button	No
Lift car (No.4)	-	-	light-emitting diode	connected to lift call button	No
Lift car (No.5)	-	-	light-emitting diode	connected to lift call button	No
Lift car (No.6)	-	-	light-emitting diode	connected to lift call button	No
Bld 2 L4 Communal/Gym	air conditioning system	time clock or BMS controlled	light-emitting diode	motion sensors	No
Bld 2 Enc Plant/Services	ventilation exhaust only	none ie. continuous	light-emitting diode	motion sensors	No
Bld 2 Non-Enc Plant/Services	no mechanical ventilation	-	light-emitting diode	motion sensors	No
Bld 2 GF Mail Room	ventilation supply only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	No
Bld 2 L4 Accessible WC	ventilation exhaust only	none ie. continuous	light-emitting diode	motion sensors	No
Bld 2 GF Lobby	ventilation supply only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	No
Bld 2 Apartment Corridors	ventilation supply only	time clock or BMS controlled	light-emitting diode	time clock and motion sensors	No

Central energy systems	Type	Specification
Lift (No. 3)	gearless traction with V V V F motor and regenerative drive	Number of levels (including basement): 38
Lift (No. 4)	gearless traction with V V V F motor and regenerative drive	Number of levels (including basement): 38
Lift (No. 5)	gearless traction with V V V F motor and regenerative drive	Number of levels (including basement): 38
Lift (No. 6)	gearless traction with V V V F motor and regenerative drive	Number of levels (including basement): 38

## 5. 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	4 star	4 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Central water tank - rainwater or stormwater (No. 1)	20000.0	To collect run-off from at least: - 2148.8 square metres of roof area of buildings in the development - 0.0 square metres of impervious area in the development - 0.0 square metres of garden/lawn area in the development - 0.0 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 688.5 square metres of common landscaped area on the site - car washing in 2 car washing bays on the site



Central systems	Size	Configuration	Connection (to allow for...)
Pool (No. 1)	Volume: 111.7 kLs	Location: Other Pool shaded: no	-
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
B3-B1 Carpark	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	motion sensors	No
L1-2 Car Park	no mechanical ventilation	-	light-emitting diode	motion sensors	No
L3 Car Park	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	motion sensors	No
B1 Residential Bin Store	ventilation exhaust only	-	light-emitting diode	motion sensors	No
GF Plant/Services	ventilation exhaust only	none ie. continuous	light-emitting diode	manual on / manual off	No
B1 Cleaners	ventilation exhaust only	none ie. continuous	light-emitting diode	motion sensors	No

Central energy systems	Type	Specification
Central hot water system (No. 1)	gas-fired storage (manifolded)	Piping insulation (ringmain & supply risers): (a) Piping external to building: R1.0 (~38 mm); (b) Piping internal to building: R1.0 (~38 mm)
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 20.0 peak kW
Pool (No. 1)	Heating source: no heating	Pump controlled by timer: no
Other	Active power factor correction installed?: yes	-

## Notes

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

## Legend

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