

BASIX[®]Certificate

Building Sustainability Index www.basix.nsw.gov.au

Multi Dwelling

Certificate number: 1187742M

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

Secretary

Date of issue: Tuesday, 06 July 2021

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



Planning,
Industry &
Environment

Project summary

Project name	ARNCLIFFE, 26-42 Eden St - A,B,D test
Street address	26-42 Eden Street ARNCLIFFE 2205
Local Government Area	Bayside Council
Plan type and plan number	deposited 447649
Lot no.	1
Section no.	n/a
No. of residential flat buildings	3
No. of units in residential flat buildings	564
No. of multi-dwelling houses	0
No. of single dwelling houses	0

Project score

Water	✓ 53	Target 40
Thermal Comfort	✓ Pass	Target Pass
Energy	✓ 31	Target 25

Certificate Prepared by

Name / Company Name: Integreco Consulting Pty Ltd

ABN (if applicable): 42630013008

Description of project

Project address

Project name	ARNCLIFFE, 26-42 Eden St - A,B,D test
Street address	26-42 Eden Street ARNCLIFFE 2205
Local Government Area	Bayside Council
Plan type and plan number	deposited 447649
Lot no.	1
Section no.	n/a

Project type

No. of residential flat buildings	3
No. of units in residential flat buildings	564
No. of multi-dwelling houses	0
No. of single dwelling houses	0

Site details

Site area (m²)	10197
Roof area (m²)	1316
Non-residential floor area (m²)	3312.0
Residential car spaces	623
Non-residential car spaces	64

Common area landscape

Common area lawn (m²)	1250.0
Common area garden (m²)	3357.0
Area of indigenous or low water use species (m²)	2518.0

Assessor details

Assessor number	DMN/19/1921
Certificate number	0006203140
Climate zone	56
Ceiling fan in at least one bedroom	No
Ceiling fan in at least one living room or other conditioned area	No

Project score

Water	✓ 53	Target 40
Thermal Comfort	✓ Pass	Target Pass
Energy	✓ 31	Target 25

Description of project

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

Residential flat buildings - Building A, 186 dwellings, 22 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a001	2	87.0	0.0	0.0	0.0
a006	1	60.0	0.0	0.0	0.0
a105	2	82.0	0.0	0.0	0.0
a201	3	110.0	0.0	0.0	0.0
a206	3	95.0	0.0	0.0	0.0
a302	2	88.0	0.0	0.0	0.0
a307	3	104.0	0.0	0.0	0.0
a403	3	102.0	0.0	0.0	0.0
a408	2	79.0	0.0	0.0	0.0
a504	2	80.0	0.0	0.0	0.0
a509	3	109.0	0.0	0.0	0.0
a605	1	52.0	0.0	0.0	0.0
a610	3	98.0	0.0	0.0	0.0
a705	1	52.0	0.0	0.0	0.0
a801	1	54.0	0.0	0.0	0.0
a806	1	51.0	0.0	0.0	0.0
a902	3	97.0	0.0	0.0	0.0
a907	3	95.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a002	3	100.0	0.0	0.0	0.0
a101	3	110.0	0.0	0.0	0.0
a106	3	95.0	0.0	0.0	0.0
a202	2	88.0	0.0	0.0	0.0
a207	3	104.0	0.0	0.0	0.0
a303	3	102.0	0.0	0.0	0.0
a308	2	79.0	0.0	0.0	0.0
a404	2	80.0	0.0	0.0	0.0
a409	3	109.0	0.0	0.0	0.0
a505	2	82.0	0.0	0.0	0.0
a601	1	56.0	0.0	0.0	0.0
a606	1	51.0	0.0	0.0	0.0
a701	1	54.0	0.0	0.0	0.0
a706	1	51.0	0.0	0.0	0.0
a802	3	97.0	0.0	0.0	0.0
a807	3	95.0	0.0	0.0	0.0
a903	2	78.0	0.0	0.0	0.0
a908	3	102.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a003	1	50.0	0.0	0.0	0.0
a102	2	88.0	0.0	0.0	0.0
a107	3	104.0	0.0	0.0	0.0
a203	3	102.0	0.0	0.0	0.0
a208	2	79.0	0.0	0.0	0.0
a304	2	80.0	0.0	0.0	0.0
a309	3	109.0	0.0	0.0	0.0
a405	2	82.0	0.0	0.0	0.0
a501	3	110.0	0.0	0.0	0.0
a506	3	95.0	0.0	0.0	0.0
a602	2	80.0	0.0	0.0	0.0
a607	3	95.0	0.0	0.0	0.0
a702	3	97.0	0.0	0.0	0.0
a707	3	95.0	0.0	0.0	0.0
a803	2	78.0	0.0	0.0	0.0
a808	3	102.0	0.0	0.0	0.0
a904	2	81.0	0.0	0.0	0.0
a909	2	79.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a004	3	107.0	0.0	0.0	0.0
a103	3	102.0	0.0	0.0	0.0
a108	2	79.0	0.0	0.0	0.0
a204	2	80.0	0.0	0.0	0.0
a209	3	109.0	0.0	0.0	0.0
a305	2	82.0	0.0	0.0	0.0
a401	3	110.0	0.0	0.0	0.0
a406	3	95.0	0.0	0.0	0.0
a502	2	88.0	0.0	0.0	0.0
a507	3	104.0	0.0	0.0	0.0
a603	2	78.0	0.0	0.0	0.0
a608	3	102.0	0.0	0.0	0.0
a703	2	78.0	0.0	0.0	0.0
a708	3	102.0	0.0	0.0	0.0
a804	2	81.0	0.0	0.0	0.0
a809	2	79.0	0.0	0.0	0.0
a905	1	52.0	0.0	0.0	0.0
a1001	1	54.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a005	2	80.0	0.0	0.0	0.0
a104	2	80.0	0.0	0.0	0.0
a109	3	109.0	0.0	0.0	0.0
a205	2	82.0	0.0	0.0	0.0
a301	3	110.0	0.0	0.0	0.0
a306	3	95.0	0.0	0.0	0.0
a402	2	88.0	0.0	0.0	0.0
a407	3	104.0	0.0	0.0	0.0
a503	3	102.0	0.0	0.0	0.0
a508	2	79.0	0.0	0.0	0.0
a604	2	81.0	0.0	0.0	0.0
a609	2	79.0	0.0	0.0	0.0
a704	2	81.0	0.0	0.0	0.0
a709	2	79.0	0.0	0.0	0.0
a805	1	52.0	0.0	0.0	0.0
a901	1	54.0	0.0	0.0	0.0
a906	1	51.0	0.0	0.0	0.0
a1002	3	97.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a10032	78.0	0.0	0.0	0.0	0.0
a10083	102.0	0.0	0.0	0.0	0.0
a11042	81.0	0.0	0.0	0.0	0.0
a11092	79.0	0.0	0.0	0.0	0.0
a12051	52.0	0.0	0.0	0.0	0.0
a13011	54.0	0.0	0.0	0.0	0.0
a13061	51.0	0.0	0.0	0.0	0.0
a14023	97.0	0.0	0.0	0.0	0.0
a14073	95.0	0.0	0.0	0.0	0.0
a15032	78.0	0.0	0.0	0.0	0.0
a15083	102.0	0.0	0.0	0.0	0.0
a16042	81.0	0.0	0.0	0.0	0.0
a16092	79.0	0.0	0.0	0.0	0.0
a17051	52.0	0.0	0.0	0.0	0.0
a18011	54.0	0.0	0.0	0.0	0.0
a18061	51.0	0.0	0.0	0.0	0.0
a19023	97.0	0.0	0.0	0.0	0.0
a19073	95.0	0.0	0.0	0.0	0.0
a20032	78.0	0.0	0.0	0.0	0.0
a20082	79.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a10042	81.0	0.0	0.0	0.0	0.0
a10092	79.0	0.0	0.0	0.0	0.0
a11051	52.0	0.0	0.0	0.0	0.0
a12011	54.0	0.0	0.0	0.0	0.0
a12061	51.0	0.0	0.0	0.0	0.0
a13023	97.0	0.0	0.0	0.0	0.0
a13073	95.0	0.0	0.0	0.0	0.0
a14032	78.0	0.0	0.0	0.0	0.0
a14083	102.0	0.0	0.0	0.0	0.0
a15042	81.0	0.0	0.0	0.0	0.0
a15092	79.0	0.0	0.0	0.0	0.0
a16051	52.0	0.0	0.0	0.0	0.0
a17011	54.0	0.0	0.0	0.0	0.0
a17061	51.0	0.0	0.0	0.0	0.0
a18023	97.0	0.0	0.0	0.0	0.0
a18073	95.0	0.0	0.0	0.0	0.0
a19032	78.0	0.0	0.0	0.0	0.0
a19083	102.0	0.0	0.0	0.0	0.0
a20042	81.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a10051	52.0	0.0	0.0	0.0	0.0
a11011	54.0	0.0	0.0	0.0	0.0
a11061	51.0	0.0	0.0	0.0	0.0
a12023	97.0	0.0	0.0	0.0	0.0
a12073	95.0	0.0	0.0	0.0	0.0
a13032	78.0	0.0	0.0	0.0	0.0
a13083	102.0	0.0	0.0	0.0	0.0
a14042	81.0	0.0	0.0	0.0	0.0
a14092	79.0	0.0	0.0	0.0	0.0
a15051	52.0	0.0	0.0	0.0	0.0
a16011	54.0	0.0	0.0	0.0	0.0
a16061	51.0	0.0	0.0	0.0	0.0
a17023	97.0	0.0	0.0	0.0	0.0
a17073	95.0	0.0	0.0	0.0	0.0
a18032	78.0	0.0	0.0	0.0	0.0
a18083	102.0	0.0	0.0	0.0	0.0
a19042	81.0	0.0	0.0	0.0	0.0
a19092	79.0	0.0	0.0	0.0	0.0
a20051	52.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a10061	51.0	0.0	0.0	0.0	0.0
a11023	97.0	0.0	0.0	0.0	0.0
a11073	95.0	0.0	0.0	0.0	0.0
a12032	78.0	0.0	0.0	0.0	0.0
a12083	102.0	0.0	0.0	0.0	0.0
a13042	81.0	0.0	0.0	0.0	0.0
a13092	79.0	0.0	0.0	0.0	0.0
a14051	52.0	0.0	0.0	0.0	0.0
a15011	54.0	0.0	0.0	0.0	0.0
a15061	51.0	0.0	0.0	0.0	0.0
a16023	97.0	0.0	0.0	0.0	0.0
a16073	95.0	0.0	0.0	0.0	0.0
a17032	78.0	0.0	0.0	0.0	0.0
a17083	102.0	0.0	0.0	0.0	0.0
a18042	81.0	0.0	0.0	0.0	0.0
a18092	79.0	0.0	0.0	0.0	0.0
a19051	52.0	0.0	0.0	0.0	0.0
a20011	54.0	0.0	0.0	0.0	0.0
a20063	142.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
a10073	95.0	0.0	0.0	0.0	0.0
a11032	78.0	0.0	0.0	0.0	0.0
a11083	102.0	0.0	0.0	0.0	0.0
a12042	81.0	0.0	0.0	0.0	0.0
a12092	79.0	0.0	0.0	0.0	0.0
a13051	52.0	0.0	0.0	0.0	0.0
a14011	54.0	0.0	0.0	0.0	0.0
a14061	51.0	0.0	0.0	0.0	0.0
a15023	97.0	0.0	0.0	0.0	0.0
a15073	95.0	0.0	0.0	0.0	0.0
a16032	78.0	0.0	0.0	0.0	0.0
a16083	102.0	0.0	0.0	0.0	0.0
a17042	81.0	0.0	0.0	0.0	0.0
a17092	79.0	0.0	0.0	0.0	0.0
a18051	52.0	0.0	0.0	0.0	0.0
a19011	54.0	0.0	0.0	0.0	0.0
a19061	51.0	0.0	0.0	0.0	0.0
a20023	98.0	0.0	0.0	0.0	0.0
a20073	135.0	0.0	0.0	0.0	0.0

Residential flat buildings - Building B, 202 dwellings, 23 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b001	1	54.0	0.0	0.0	0.0
b103	3	99.0	0.0	0.0	0.0
b108	2	79.0	0.0	0.0	0.0
b203	3	99.0	0.0	0.0	0.0
b208	2	79.0	0.0	0.0	0.0
b302	2	81.0	0.0	0.0	0.0
b307	2	78.0	0.0	0.0	0.0
b401	1	54.0	0.0	0.0	0.0
b406	2	75.0	0.0	0.0	0.0
b411	2	85.0	0.0	0.0	0.0
b505	2	77.0	0.0	0.0	0.0
b510	1	56.0	0.0	0.0	0.0
b604	2	77.0	0.0	0.0	0.0
b609	1	56.0	0.0	0.0	0.0
b704	1	62.0	0.0	0.0	0.0
b709	2	85.0	0.0	0.0	0.0
b805	2	78.0	0.0	0.0	0.0
b901	1	51.0	0.0	0.0	0.0
b906	2	79.0	0.0	0.0	0.0
b1002	2	82.0	0.0	0.0	0.0
b1007	3	106.0	0.0	0.0	0.0
b1103	1	53.0	0.0	0.0	0.0
b1108	1	56.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b002	2	75.0	0.0	0.0	0.0
b104	3	96.0	0.0	0.0	0.0
b110	1	56.0	0.0	0.0	0.0
b204	3	96.0	0.0	0.0	0.0
b209	3	106.0	0.0	0.0	0.0
b303	3	99.0	0.0	0.0	0.0
b308	2	79.0	0.0	0.0	0.0
b402	2	81.0	0.0	0.0	0.0
b407	2	78.0	0.0	0.0	0.0
b501	1	54.0	0.0	0.0	0.0
b506	2	75.0	0.0	0.0	0.0
b511	2	85.0	0.0	0.0	0.0
b605	2	75.0	0.0	0.0	0.0
b610	2	85.0	0.0	0.0	0.0
b705	2	78.0	0.0	0.0	0.0
b801	1	51.0	0.0	0.0	0.0
b806	2	79.0	0.0	0.0	0.0
b902	2	82.0	0.0	0.0	0.0
b907	3	106.0	0.0	0.0	0.0
b1003	1	53.0	0.0	0.0	0.0
b1008	1	56.0	0.0	0.0	0.0
b1104	1	62.0	0.0	0.0	0.0
b1109	2	85.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b003	1	50.0	0.0	0.0	0.0
b105	2	77.0	0.0	0.0	0.0
b111	2	85.0	0.0	0.0	0.0
b205	2	77.0	0.0	0.0	0.0
b210	1	56.0	0.0	0.0	0.0
b304	3	96.0	0.0	0.0	0.0
b309	3	106.0	0.0	0.0	0.0
b403	3	99.0	0.0	0.0	0.0
b408	2	79.0	0.0	0.0	0.0
b502	2	81.0	0.0	0.0	0.0
b507	2	78.0	0.0	0.0	0.0
b601	2	80.0	0.0	0.0	0.0
b606	2	75.0	0.0	0.0	0.0
b701	1	51.0	0.0	0.0	0.0
b706	2	79.0	0.0	0.0	0.0
b802	2	82.0	0.0	0.0	0.0
b807	3	106.0	0.0	0.0	0.0
b903	1	53.0	0.0	0.0	0.0
b908	1	56.0	0.0	0.0	0.0
b1004	1	62.0	0.0	0.0	0.0
b1009	2	85.0	0.0	0.0	0.0
b1105	2	78.0	0.0	0.0	0.0
b1201	1	51.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b101	1	54.0	0.0	0.0	0.0
b106	2	75.0	0.0	0.0	0.0
b201	1	54.0	0.0	0.0	0.0
b206	2	75.0	0.0	0.0	0.0
b211	2	85.0	0.0	0.0	0.0
b305	2	77.0	0.0	0.0	0.0
b310	1	56.0	0.0	0.0	0.0
b404	3	96.0	0.0	0.0	0.0
b409	3	106.0	0.0	0.0	0.0
b503	3	99.0	0.0	0.0	0.0
b508	2	79.0	0.0	0.0	0.0
b602	3	97.0	0.0	0.0	0.0
b607	2	79.0	0.0	0.0	0.0
b702	2	82.0	0.0	0.0	0.0
b707	3	106.0	0.0	0.0	0.0
b803	1	53.0	0.0	0.0	0.0
b808	1	56.0	0.0	0.0	0.0
b904	1	62.0	0.0	0.0	0.0
b909	2	85.0	0.0	0.0	0.0
b1005	2	78.0	0.0	0.0	0.0
b1101	1	51.0	0.0	0.0	0.0
b1106	2	79.0	0.0	0.0	0.0
b1202	2	82.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b102	2	81.0	0.0	0.0	0.0
b107	2	78.0	0.0	0.0	0.0
b202	2	81.0	0.0	0.0	0.0
b207	2	78.0	0.0	0.0	0.0
b301	1	54.0	0.0	0.0	0.0
b306	2	75.0	0.0	0.0	0.0
b311	2	85.0	0.0	0.0	0.0
b405	2	77.0	0.0	0.0	0.0
b410	1	56.0	0.0	0.0	0.0
b504	3	96.0	0.0	0.0	0.0
b509	3	106.0	0.0	0.0	0.0
b603	2	84.0	0.0	0.0	0.0
b608	3	106.0	0.0	0.0	0.0
b703	1	53.0	0.0	0.0	0.0
b708	1	56.0	0.0	0.0	0.0
b804	1	62.0	0.0	0.0	0.0
b809	2	85.0	0.0	0.0	0.0
b905	2	78.0	0.0	0.0	0.0
b1001	1	51.0	0.0	0.0	0.0
b1006	2	79.0	0.0	0.0	0.0
b1102	2	82.0	0.0	0.0	0.0
b1107	3	106.0	0.0	0.0	0.0
b1203	1	53.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b12041	62.0	0.0	0.0	0.0	0.0
b12092	85.0	0.0	0.0	0.0	0.0
b13052	78.0	0.0	0.0	0.0	0.0
b14011	51.0	0.0	0.0	0.0	0.0
b14062	79.0	0.0	0.0	0.0	0.0
b15022	82.0	0.0	0.0	0.0	0.0
b15073	106.0	0.0	0.0	0.0	0.0
b16031	53.0	0.0	0.0	0.0	0.0
b16081	56.0	0.0	0.0	0.0	0.0
b17041	62.0	0.0	0.0	0.0	0.0
b17092	85.0	0.0	0.0	0.0	0.0
b18052	78.0	0.0	0.0	0.0	0.0
b19011	51.0	0.0	0.0	0.0	0.0
b19062	79.0	0.0	0.0	0.0	0.0
b20022	82.0	0.0	0.0	0.0	0.0
b20073	106.0	0.0	0.0	0.0	0.0
b21031	53.0	0.0	0.0	0.0	0.0
b21081	56.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b12052	78.0	0.0	0.0	0.0	0.0
b13011	51.0	0.0	0.0	0.0	0.0
b13062	79.0	0.0	0.0	0.0	0.0
b14022	82.0	0.0	0.0	0.0	0.0
b14073	106.0	0.0	0.0	0.0	0.0
b15031	53.0	0.0	0.0	0.0	0.0
b15081	56.0	0.0	0.0	0.0	0.0
b16041	62.0	0.0	0.0	0.0	0.0
b16092	85.0	0.0	0.0	0.0	0.0
b17052	78.0	0.0	0.0	0.0	0.0
b18011	51.0	0.0	0.0	0.0	0.0
b18062	79.0	0.0	0.0	0.0	0.0
b19022	82.0	0.0	0.0	0.0	0.0
b19073	106.0	0.0	0.0	0.0	0.0
b20031	53.0	0.0	0.0	0.0	0.0
b20081	56.0	0.0	0.0	0.0	0.0
b21041	62.0	0.0	0.0	0.0	0.0
b21092	85.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b12062	79.0	0.0	0.0	0.0	0.0
b13022	82.0	0.0	0.0	0.0	0.0
b13073	106.0	0.0	0.0	0.0	0.0
b14031	53.0	0.0	0.0	0.0	0.0
b14081	56.0	0.0	0.0	0.0	0.0
b15041	62.0	0.0	0.0	0.0	0.0
b15092	85.0	0.0	0.0	0.0	0.0
b16052	78.0	0.0	0.0	0.0	0.0
b17011	51.0	0.0	0.0	0.0	0.0
b17062	79.0	0.0	0.0	0.0	0.0
b18022	82.0	0.0	0.0	0.0	0.0
b18073	106.0	0.0	0.0	0.0	0.0
b19031	53.0	0.0	0.0	0.0	0.0
b19081	56.0	0.0	0.0	0.0	0.0
b20041	62.0	0.0	0.0	0.0	0.0
b20092	85.0	0.0	0.0	0.0	0.0
b21052	78.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b12073	106.0	0.0	0.0	0.0	0.0
b13031	53.0	0.0	0.0	0.0	0.0
b13081	56.0	0.0	0.0	0.0	0.0
b14041	62.0	0.0	0.0	0.0	0.0
b14092	85.0	0.0	0.0	0.0	0.0
b15052	78.0	0.0	0.0	0.0	0.0
b16011	51.0	0.0	0.0	0.0	0.0
b16062	79.0	0.0	0.0	0.0	0.0
b17022	82.0	0.0	0.0	0.0	0.0
b17073	106.0	0.0	0.0	0.0	0.0
b18031	53.0	0.0	0.0	0.0	0.0
b18081	56.0	0.0	0.0	0.0	0.0
b19041	62.0	0.0	0.0	0.0	0.0
b19092	85.0	0.0	0.0	0.0	0.0
b20052	78.0	0.0	0.0	0.0	0.0
b21011	51.0	0.0	0.0	0.0	0.0
b21062	79.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
b12081	56.0	0.0	0.0	0.0	0.0
b13041	62.0	0.0	0.0	0.0	0.0
b13092	85.0	0.0	0.0	0.0	0.0
b14052	78.0	0.0	0.0	0.0	0.0
b15011	51.0	0.0	0.0	0.0	0.0
b15062	79.0	0.0	0.0	0.0	0.0
b16022	82.0	0.0	0.0	0.0	0.0
b16073	106.0	0.0	0.0	0.0	0.0
b17031	53.0	0.0	0.0	0.0	0.0
b17081	56.0	0.0	0.0	0.0	0.0
b18041	62.0	0.0	0.0	0.0	0.0
b18092	85.0	0.0	0.0	0.0	0.0
b19052	78.0	0.0	0.0	0.0	0.0
b20011	51.0	0.0	0.0	0.0	0.0
b20062	79.0	0.0	0.0	0.0	0.0
b21022	82.0	0.0	0.0	0.0	0.0
b21073	106.0	0.0	0.0	0.0	0.0

Residential flat buildings - Building D, 176 dwellings, 21 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d001	2	80.0	0.0	0.0	0.0
d103	1	53.0	0.0	0.0	0.0
d108	2	81.0	0.0	0.0	0.0
d205	1	53.0	0.0	0.0	0.0
d210	2	81.0	0.0	0.0	0.0
d305	1	53.0	0.0	0.0	0.0
d310	2	81.0	0.0	0.0	0.0
d405	1	53.0	0.0	0.0	0.0
d410	2	81.0	0.0	0.0	0.0
d505	1	53.0	0.0	0.0	0.0
d510	2	81.0	0.0	0.0	0.0
d605	1	50.0	0.0	0.0	0.0
d701	1	50.0	0.0	0.0	0.0
d706	1	60.0	0.0	0.0	0.0
d802	1	51.0	0.0	0.0	0.0
d807	3	103.0	0.0	0.0	0.0
d903	2	75.0	0.0	0.0	0.0
d908	3	102.0	0.0	0.0	0.0
d1004	1	53.0	0.0	0.0	0.0
d1009	1	57.0	0.0	0.0	0.0
d1105	1	50.0	0.0	0.0	0.0
d1201	1	50.0	0.0	0.0	0.0
d1206	1	60.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d002	1	50.0	0.0	0.0	0.0
d104	1	50.0	0.0	0.0	0.0
d201	1	62.0	0.0	0.0	0.0
d206	1	50.0	0.0	0.0	0.0
d301	1	62.0	0.0	0.0	0.0
d306	1	50.0	0.0	0.0	0.0
d401	1	62.0	0.0	0.0	0.0
d406	1	50.0	0.0	0.0	0.0
d501	1	62.0	0.0	0.0	0.0
d506	1	50.0	0.0	0.0	0.0
d601	1	50.0	0.0	0.0	0.0
d606	1	60.0	0.0	0.0	0.0
d702	1	51.0	0.0	0.0	0.0
d707	3	103.0	0.0	0.0	0.0
d803	2	75.0	0.0	0.0	0.0
d808	3	102.0	0.0	0.0	0.0
d904	1	53.0	0.0	0.0	0.0
d909	1	57.0	0.0	0.0	0.0
d1005	1	50.0	0.0	0.0	0.0
d1101	1	50.0	0.0	0.0	0.0
d1106	1	60.0	0.0	0.0	0.0
d1202	1	51.0	0.0	0.0	0.0
d1207	3	103.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d003	1	50.0	0.0	0.0	0.0
d105	1	60.0	0.0	0.0	0.0
d202	2	86.0	0.0	0.0	0.0
d207	1	60.0	0.0	0.0	0.0
d302	2	86.0	0.0	0.0	0.0
d307	1	60.0	0.0	0.0	0.0
d402	2	86.0	0.0	0.0	0.0
d407	1	60.0	0.0	0.0	0.0
d502	2	86.0	0.0	0.0	0.0
d507	1	60.0	0.0	0.0	0.0
d602	1	51.0	0.0	0.0	0.0
d607	3	103.0	0.0	0.0	0.0
d703	2	75.0	0.0	0.0	0.0
d708	3	102.0	0.0	0.0	0.0
d804	1	53.0	0.0	0.0	0.0
d809	1	57.0	0.0	0.0	0.0
d905	1	50.0	0.0	0.0	0.0
d1001	1	50.0	0.0	0.0	0.0
d1006	1	60.0	0.0	0.0	0.0
d1102	1	51.0	0.0	0.0	0.0
d1107	3	103.0	0.0	0.0	0.0
d1203	2	75.0	0.0	0.0	0.0
d1208	3	102.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d101	2	85.0	0.0	0.0	0.0
d106	3	103.0	0.0	0.0	0.0
d203	2	80.0	0.0	0.0	0.0
d208	3	103.0	0.0	0.0	0.0
d303	2	80.0	0.0	0.0	0.0
d308	3	103.0	0.0	0.0	0.0
d403	2	80.0	0.0	0.0	0.0
d408	3	103.0	0.0	0.0	0.0
d503	2	80.0	0.0	0.0	0.0
d508	3	103.0	0.0	0.0	0.0
d603	2	75.0	0.0	0.0	0.0
d608	3	102.0	0.0	0.0	0.0
d704	1	53.0	0.0	0.0	0.0
d709	1	57.0	0.0	0.0	0.0
d805	1	50.0	0.0	0.0	0.0
d901	1	50.0	0.0	0.0	0.0
d906	1	60.0	0.0	0.0	0.0
d1002	1	51.0	0.0	0.0	0.0
d1007	3	103.0	0.0	0.0	0.0
d1103	2	75.0	0.0	0.0	0.0
d1108	3	102.0	0.0	0.0	0.0
d1204	1	53.0	0.0	0.0	0.0
d1209	1	57.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d102	2	85.0	0.0	0.0	0.0
d107	3	97.0	0.0	0.0	0.0
d204	1	52.0	0.0	0.0	0.0
d209	3	97.0	0.0	0.0	0.0
d304	1	52.0	0.0	0.0	0.0
d309	3	97.0	0.0	0.0	0.0
d404	1	52.0	0.0	0.0	0.0
d409	3	97.0	0.0	0.0	0.0
d504	1	52.0	0.0	0.0	0.0
d509	3	97.0	0.0	0.0	0.0
d604	1	53.0	0.0	0.0	0.0
d609	1	57.0	0.0	0.0	0.0
d705	1	50.0	0.0	0.0	0.0
d801	1	50.0	0.0	0.0	0.0
d806	1	60.0	0.0	0.0	0.0
d902	1	51.0	0.0	0.0	0.0
d907	3	103.0	0.0	0.0	0.0
d1003	2	75.0	0.0	0.0	0.0
d1008	3	102.0	0.0	0.0	0.0
d1104	1	53.0	0.0	0.0	0.0
d1109	1	57.0	0.0	0.0	0.0
d1205	1	50.0	0.0	0.0	0.0
d1301	1	50.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d13021	51.0	0.0	0.0	0.0	0.0
d13073	103.0	0.0	0.0	0.0	0.0
d14032	75.0	0.0	0.0	0.0	0.0
d14083	102.0	0.0	0.0	0.0	0.0
d15041	53.0	0.0	0.0	0.0	0.0
d15091	57.0	0.0	0.0	0.0	0.0
d16051	50.0	0.0	0.0	0.0	0.0
d17011	50.0	0.0	0.0	0.0	0.0
d17061	60.0	0.0	0.0	0.0	0.0
d18021	51.0	0.0	0.0	0.0	0.0
d18073	103.0	0.0	0.0	0.0	0.0
d19033	118.0	0.0	0.0	0.0	0.0
dTW032	88.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d13032	75.0	0.0	0.0	0.0	0.0
d13083	102.0	0.0	0.0	0.0	0.0
d14041	53.0	0.0	0.0	0.0	0.0
d14091	57.0	0.0	0.0	0.0	0.0
d15051	50.0	0.0	0.0	0.0	0.0
d16011	50.0	0.0	0.0	0.0	0.0
d16061	60.0	0.0	0.0	0.0	0.0
d17021	51.0	0.0	0.0	0.0	0.0
d17073	103.0	0.0	0.0	0.0	0.0
d18032	75.0	0.0	0.0	0.0	0.0
d18083	102.0	0.0	0.0	0.0	0.0
d19042	84.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d13041	53.0	0.0	0.0	0.0	0.0
d13091	57.0	0.0	0.0	0.0	0.0
d14051	50.0	0.0	0.0	0.0	0.0
d15011	50.0	0.0	0.0	0.0	0.0
d15061	60.0	0.0	0.0	0.0	0.0
d16021	51.0	0.0	0.0	0.0	0.0
d16073	103.0	0.0	0.0	0.0	0.0
d17032	75.0	0.0	0.0	0.0	0.0
d17083	102.0	0.0	0.0	0.0	0.0
d18041	53.0	0.0	0.0	0.0	0.0
d18091	57.0	0.0	0.0	0.0	0.0
d19053	121.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d13051	50.0	0.0	0.0	0.0	0.0
d14011	50.0	0.0	0.0	0.0	0.0
d14061	60.0	0.0	0.0	0.0	0.0
d15021	51.0	0.0	0.0	0.0	0.0
d15073	103.0	0.0	0.0	0.0	0.0
d16032	75.0	0.0	0.0	0.0	0.0
d16083	102.0	0.0	0.0	0.0	0.0
d17041	53.0	0.0	0.0	0.0	0.0
d17091	57.0	0.0	0.0	0.0	0.0
d18051	50.0	0.0	0.0	0.0	0.0
d19011	50.0	0.0	0.0	0.0	0.0
dTW012	88.0	0.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
d13061	60.0	0.0	0.0	0.0	0.0
d14021	51.0	0.0	0.0	0.0	0.0
d14073	103.0	0.0	0.0	0.0	0.0
d15032	75.0	0.0	0.0	0.0	0.0
d15083	102.0	0.0	0.0	0.0	0.0
d16041	53.0	0.0	0.0	0.0	0.0
d16091	57.0	0.0	0.0	0.0	0.0
d17051	50.0	0.0	0.0	0.0	0.0
d18011	50.0	0.0	0.0	0.0	0.0
d18061	60.0	0.0	0.0	0.0	0.0
d19023	110.0	0.0	0.0	0.0	0.0
dTW022	93.0	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 A

Common area	Floor area (m ²)
Lift car (No. 1)	-

Common area	Floor area (m ²)
Lift car (No. 2)	-

Common area	Floor area (m ²)
Lift car (No. 3)	-

Common areas of unit building - Building B

Common area	Floor area (m ²)
Lift car (No. 4)	-

Common area	Floor area (m ²)
Lift car (No. 5)	-

Common area	Floor area (m ²)
Lift car (No. 6)	-

Common areas of unit building - Building D

Common area	Floor area (m ²)
Lift car (No. 7)	-

Common area	Floor area (m ²)
Lift car (No. 8)	-

Common area	Floor area (m ²)
Lift car (No.9)	-

Common areas of the development (non-building specific)

Common area	Floor area (m ²)
Loading Dock	1139.0
Plant rooms	140.0
Substation	14.0
Basement chamber	230.0
Lobbies basement	79.0

Common area	Floor area (m ²)
Basement	25027.0
Switch/comms rooms	75.0
Storage rooms	150.0
Common corridors	4185.0

Common area	Floor area (m ²)
Garbage rooms	270.0
Mail rooms	81.0
Fan rooms	83.0
Lobbies	432.0

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - Building A

(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 B

(a) Dwellings

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

(b) Common areas and central systems/facilities

- (i) Water
- (ii) Energy

3. Commitments for Residential flat buildings - Building D

(a) Dwellings

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

(b) Common areas and central systems/facilities

- (i) Water
- (ii) Energy

4. Commitments for multi-dwelling houses

5. Commitments for single dwelling houses

6. 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 A

(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 (> 4.5 but <= 6 L/min)	4 star	5 star	6 star	no	4.5 star	4.5 star	-	-	-	-	-	-	-

	Alternative water source							
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
None	-	-	-	-	-	-	-	-

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

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

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	central hot water system 1	individual fan, ducted to façade or roof	manual switch on/off	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
a603, a703, a803, a903, a1003, a1103, a1203, a1303, a1403, a1503, a1603, a1703, a1803, a1903, a2003	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	2 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	yes

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
a003, a006, a601, a605, a606, a701, a705, a706, a801, a805, a806, a901, a905, a906, a1001, a1005, a1006, a1101, a1105, a1106, a1201, a1205, a1206, a1301, a1305, a1306, a1401, a1405, a1406, a1501, a1505, a1506, a1601, a1605, a1606, a1701, a1705, a1706, a1801,	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1 (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
a1805, a1806, a1901, a1905, a1906, a2001, a2005												

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
a001, a005, a102, a104, a105, a108, a202, a204, a205, a208, a302, a304, a305, a308, a402, a404, a405, a408, a502, a504, a505, a508, a602, a604, a609, a704, a709, a804, a809, a904, a909, a1004, a1009, a1104, a1109, a1204, a1209, a1304, a1309,	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (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
a1404, a1409, a1504, a1509, a1604, a1609, a1704, a1709, a1804, a1809, a1904, a1909, a2004, a2008												
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 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	3 (dedicated)	2 (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	-	-	-	-	induction cooktop & electric oven	-	no	3 star	4 star	2.5 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/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
a001	31.9	19.9
a002	39.0	16.4
a003	33.9	22.3
a004	17.5	12.0

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
a005	9.4	21.7
a006	45.4	12.0
a101	25.6	12.9
a102	17.1	11.2
a103	6.3	12.6
a104	12.9	10.9
a105	14.7	18.1
a106	8.2	15.7
a107	42.9	18.0
a108	42.2	9.0
a109	34.2	9.4
a201	14.8	12.5
a202	6.7	11.6
a203	6.9	13.4
a204	15.8	9.7
a205	7.6	16.0
a206	10.0	14.4
a207	27.2	19.8
a208	30.6	7.5
a209	19.1	9.1
a301	15.2	12.2
a302	7.0	11.4
a303	7.2	12.8
a304	16.3	9.6
a305	7.9	16.2
a306	9.9	13.0
a307	27.2	19.5

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
a308	31.1	7.6
a309	19.4	8.3
a401	15.5	12.3
a402	7.2	11.3
a403	7.3	12.6
a404	16.7	9.5
a405	8.2	16.0
a406	9.8	12.3
a407	27.1	18.4
a408	31.4	7.7
a409	19.5	9.0
a501	18.6	12.7
a502	8.8	11.4
a503	9.5	12.6
a504	25.5	9.8
a505	14.6	17.3
a506	9.6	11.1
a507	25.9	16.9
a508	33.5	7.9
a509	19.2	9.1
a601	20.3	10.3
a602	27.9	19.4
a604	10.0	13.0
a605	20.7	17.1
a606	23.3	22.7
a607	15.0	15.8
a608	33.8	19.8

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
a609	31.5	8.6
a610	22.5	15.7
a702	24.7	20.9
a704	8.6	17.6
a705	15.4	20.3
a706	25.4	14.7
a707	16.6	14.8
a708	34.1	19.3
a709	27.3	8.9
a802	25.0	21.7
a803	14.6	18.8
a804	8.8	17.5
a805	16.4	17.7
a806	20.7	15.1
a807	15.5	15.6
a808	34.3	19.1
a809	27.6	8.6
a901	21.9	8.2
a902	26.9	19.2
a903	15.9	17.5
a904	9.0	17.3
a905	18.4	16.6
a906	22.8	14.1
a907	17.1	14.1
a908	36.2	15.8
a909	30.2	9.8
a1002	26.9	19.5

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
a1003	16.0	17.2
a1004	9.9	15.4
a1005	18.5	16.6
a1006	22.9	14.2
a1007	17.3	14.2
a1008	36.3	15.8
a1009	29.4	8.4
a1102	27.1	19.1
a1103	16.2	17.4
a1104	10.0	15.2
a1105	18.8	16.7
a1106	23.2	14.1
a1107	17.3	14.1
a1108	36.6	15.5
a1109	29.7	8.4
a1201	22.1	8.0
a1203	16.3	17.4
a1204	10.1	15.3
a1205	18.9	16.5
a1206	23.3	14.1
a1207	17.4	13.8
a1208	36.7	15.2
a1209	32.2	9.3
a1301	22.3	8.0
a1303	16.5	17.3
a1304	10.1	15.2
a1305	19.0	16.6

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
a1306	23.4	14.0
a1307	17.8	13.9
a1308	36.8	15.6
a1309	29.9	8.6
a1401	22.4	8.0
a1402	27.6	18.5
a1403	16.7	17.1
a1404	10.3	15.2
a1405	19.3	16.5
a1406	23.6	13.8
a1407	17.8	13.6
a1408	37.1	15.3
a1409	30.1	8.8
a1501	22.6	7.9
a1502	27.7	18.3
a1503	16.8	17.1
a1504	10.4	15.0
a1505	19.4	16.3
a1506	23.7	13.9
a1507	17.9	13.5
a1508	37.2	14.8
a1509	32.8	9.2
a1601	22.7	7.8
a1602	27.8	18.2
a1603	16.9	16.8
a1604	10.5	14.9
a1605	19.5	16.3

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
a1606	23.7	13.7
a1607	18.3	13.7
a1608	37.4	14.9
a1609	30.4	8.8
a1701	22.8	7.7
a1702	27.9	18.2
a1703	17.0	16.7
a1704	10.6	14.9
a1705	19.7	15.9
a1706	23.9	13.6
a1707	18.1	13.1
a1708	37.5	14.8
a1709	30.5	8.5
a1801	22.9	7.7
a1802	28.0	17.9
a1803	17.1	16.6
a1804	10.7	15.0
a1805	19.8	16.0
a1806	24.0	13.6
a1807	18.2	13.0
a1808	37.6	14.6
a1809	33.1	9.1
a1901	23.0	7.6
a1902	28.2	17.8
a1903	17.3	16.7
a1904	10.8	15.0
a1905	20.0	15.9

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
a1906	25.6	15.4
a1907	18.7	13.6
a1908	37.9	14.4
a1909	30.9	8.4
a2001	34.3	10.2
a2002	38.7	19.8
a2003	26.3	19.0
a2004	20.1	15.8
a2005	28.2	15.9
a2006	42.5	26.4
a2007	43.1	26.4
a2008	40.2	9.4
a603, a703	14.4	19.5
a701, a801	20.4	10.8
a1001, a1101	22.0	8.0
All other dwellings	27.4	18.8

(b) Common areas and central systems/facilities

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	4 star (> 4.5 but ≤ 6 L/min)	4 star	6 star	no common laundry facility

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

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a ventilation system to service a common area specified in the table below, then that ventilation system must be of the type specified for that common area, and must meet the efficiency measure specified.		✓	✓

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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. 1)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No. 2)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No. 3)	-	-	light-emitting diode	connected to lift call button	Yes

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)
Lift (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 24
Lift (No. 2)	gearless traction with V V V F motor	Number of levels (including basement): 24
Lift (No. 3)	gearless traction with V V V F motor	Number of levels (including basement): 24

2. Commitments for Residential flat buildings - Building B

(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.	✓	✓	✓

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 4.5 but <= 6 L/min)	4 star	5 star	6 star	no	4.5 star	4.5 star	-	-	-	-	-	-	-

Dwelling no.	Alternative water source							
	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
None	-	-	-	-	-	-	-	-

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

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

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	central hot water system 2	individual fan, ducted to façade or roof	manual switch on/off	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
b603	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	2 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	yes
b703, b803, b903, b1003, b1103, b1203, b1303, b1403, b1503, b1603, b1703, b1803, b1903, b2003, b2103	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	yes

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, b203, b204, b209, b303, b304, b309, b403, b404, b409, b503, b504, b509, b602, b608, b707, b807, b907, b1007, b1107, b1207, b1307, b1407, b1507, b1607, b1707, b1807, b1907, b2007, b2107	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	3 (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
b001, b003, b101, b110, b201, b210, b301, b310, b401, b410, b501, b510, b609, b701, b704, b708, b801, b804, b808, b901, b904, b908, b1001, b1004, b1008, b1101, b1104, b1108, b1201, b1204, b1208, b1301, b1304, b1308, b1401, b1404, b1408, b1501, b1504,	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1 (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
b1508, b1601, b1604, b1608, b1701, b1704, b1708, b1801, b1804, b1808, b1901, b1904, b1908, b2001, b2004, b2008, b2101, b2104, b2108												
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 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	2 (dedicated)	2 (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	-	-	-	-	induction cooktop & electric oven	-	no	3 star	4 star	2.5 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/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
b001	42.0	18.1
b002	34.6	27.2
b003	43.3	17.9
b101	22.4	15.8

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
b102	29.1	15.1
b103	26.2	13.0
b104	37.7	11.1
b105	18.3	10.5
b106	45.4	10.3
b107	42.0	13.3
b108	39.1	12.4
b110	37.2	23.2
b111	21.9	23.5
b201	26.6	15.0
b202	26.9	14.9
b203	17.7	12.2
b204	30.6	11.2
b205	20.0	9.6
b206	38.1	9.8
b208	26.6	13.4
b209	42.6	28.5
b210	26.0	15.9
b211	23.9	19.2
b301	26.2	12.7
b302	32.7	10.7
b303	18.5	12.2
b304	29.4	11.0
b305	20.3	9.4
b306	39.2	9.6
b307	33.0	12.3
b308	30.0	10.6

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
b309	32.0	27.8
b310	24.2	19.4
b311	24.4	18.5
b401	30.8	12.0
b402	30.5	9.5
b403	30.6	13.8
b404	31.7	10.4
b405	20.4	9.4
b406	39.2	9.8
b407	33.6	12.3
b408	30.6	10.7
b409	31.8	29.3
b410	27.3	15.4
b411	25.0	17.9
b501	29.1	12.7
b502	32.6	10.1
b503	31.6	13.8
b504	30.1	10.8
b505	19.9	9.2
b506	40.2	9.3
b507	35.3	12.4
b508	30.9	10.4
b509	29.1	28.2
b510	25.3	19.0
b511	25.5	17.3
b601	30.5	17.8
b602	27.4	10.4

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
b603	29.9	18.5
b604	31.6	13.3
b605	39.0	9.6
b606	34.9	12.9
b607	31.2	10.5
b608	31.7	29.5
b609	24.9	19.9
b610	25.4	17.5
b701	22.1	15.1
b702	19.1	8.0
b703	30.4	16.9
b704	28.0	11.2
b705	35.1	13.2
b706	30.2	11.2
b707	29.0	28.2
b708	23.4	16.7
b709	25.9	20.4
b801	24.0	15.4
b802	19.5	8.6
b804	27.8	16.7
b805	35.2	13.1
b806	30.4	11.1
b807	29.3	27.8
b808	25.0	13.4
b809	26.1	20.1
b901	24.3	15.5
b902	21.2	8.2

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
b904	29.7	14.4
b905	36.8	11.7
b907	31.4	22.9
b908	25.4	13.5
b909	28.0	16.3
b1001	26.2	14.5
b1002	21.2	8.1
b1003	35.6	16.5
b1004	29.6	14.5
b1005	36.6	11.7
b1006	32.3	9.9
b1007	31.4	22.8
b1008	25.5	13.3
b1009	28.2	16.3
b1101	26.5	14.9
b1102	21.3	8.0
b1103	35.1	16.7
b1104	28.8	14.7
b1105	36.1	11.8
b1106	32.5	10.0
b1107	31.7	22.1
b1108	25.7	13.4
b1109	28.4	15.9
b1201	26.6	14.6
b1202	21.2	8.5
b1203	34.2	17.7
b1204	28.3	15.3

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
b1205	35.8	12.1
b1206	32.4	9.7
b1207	31.9	22.1
b1208	25.9	13.4
b1209	28.6	15.9
b1301	26.9	14.4
b1302	21.1	8.1
b1303	32.4	18.0
b1304	27.3	15.6
b1305	35.6	12.0
b1307	32.0	21.8
b1308	25.9	12.8
b1401	27.0	14.6
b1402	20.8	8.3
b1403	30.6	18.2
b1404	25.2	15.6
b1405	35.2	12.5
b1407	32.3	21.6
b1408	26.2	12.9
b1501	27.1	14.8
b1502	20.3	8.7
b1503	28.1	19.3
b1504	23.9	15.6
b1505	33.7	12.6
b1507	32.4	21.4
b1508	26.3	13.0
b1509	29.1	15.8

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
b1601	27.2	15.2
b1602	19.7	8.3
b1603	26.6	20.0
b1604	22.2	15.9
b1606	31.9	9.4
b1607	32.6	21.2
b1608	26.4	12.6
b1609	29.2	15.5
b1701	27.4	15.2
b1702	19.2	8.5
b1703	24.7	20.9
b1704	20.6	15.8
b1705	31.0	12.4
b1707	32.7	20.9
b1708	26.5	12.5
b1709	29.4	15.3
b1801	27.5	14.6
b1802	18.8	8.4
b1803	21.5	21.0
b1804	18.4	15.7
b1805	28.6	12.4
b1807	36.0	21.3
b1809	29.5	15.0
b1901	27.6	14.5
b1902	18.5	8.4
b1903	19.6	21.1
b1904	16.7	15.8

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
b1905	27.1	12.1
b1906	31.3	9.4
b1907	36.1	20.8
b1909	29.6	14.9
b2001	27.8	14.8
b2002	18.4	8.5
b2003	17.3	20.9
b2004	15.0	16.2
b2005	25.5	12.1
b2006	31.3	9.6
b2007	36.3	20.2
b2008	26.9	12.6
b2009	29.8	14.9
b2101	38.3	13.6
b2102	28.2	8.1
b2103	31.9	24.8
b2104	22.9	17.3
b2105	31.7	13.7
b2106	41.2	10.5
b2107	45.3	21.9
b2108	37.1	14.5
b2109	38.2	18.0
b803, b903	36.0	16.1
b207, b1605	32.5	12.5
b906, b1306	32.2	9.7
b1309, b1409	28.7	15.7
b1406, b1506	32.3	9.5

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
b1706, b1806	31.7	9.4
All other dwellings	26.8	12.7

(b) Common areas and central systems/facilities

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	4 star (> 4.5 but ≤ 6 L/min)	4 star	6 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 3)	-	-	-

(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.		✓	✓

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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. 4)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No. 5)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No. 6)	-	-	light-emitting diode	connected to lift call button	Yes

Central energy systems	Type	Specification
Central hot water system (No. 2)	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)
Lift (No. 4)	gearless traction with V V V F motor	Number of levels (including basement): 26
Lift (No. 5)	gearless traction with V V V F motor	Number of levels (including basement): 26
Lift (No. 6)	gearless traction with V V V F motor	Number of levels (including basement): 26

3. Commitments for Residential flat buildings - Building D

(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 (> 4.5 but <= 6 L/min)	4 star	5 star	6 star	no	4.5 star	4.5 star	-	-	-	-	-	-	-

	Alternative water source							
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
None	-	-	-	-	-	-	-	-

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

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

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	central hot water system 3	individual fan, ducted to façade or roof	manual switch on/off	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
d1902, d1903	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	3 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	yes
d602, d702, d802, d902, d1002, d1102, d1202, d1302, d1402, d1502, d1602, d1702, d1802	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	yes

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
d001, d101, d102, d108, d202, d203, d210, d302, d303, d310, d402, d403, d410, d502, d503, d510, d603, d703, d803, d903, d1003, d1103, d1203, d1303, d1403, d1503, d1603, d1703, d1803, d1904, dTW01, dTW02, dTW03	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (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
d106, d107, d208, d209, d308, d309, d408, d409, d508, d509, d607, d608, d707, d708, d807, d808, d907, d908, d1007, d1008, d1107, d1108, d1207, d1208, d1307, d1308, d1407, d1408, d1507, d1508, d1607, d1608, d1707, d1708, d1807, d1808, d1905	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.0 - 3.5 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	3 (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
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 3.5 - 4.0 (zoned)	1-phase airconditioning EER 3.5 - 4.0 (zoned)	1 (dedicated)	2 (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	-	-	-	-	induction cooktop & electric oven	-	no	3 star	4 star	2.5 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.		✓	

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
d001	42.6	9.4
d002	26.5	10.5
d003	31.9	17.6
d101	29.9	7.7
d102	28.1	11.6
d103	34.6	13.4
d104	39.3	10.1
d105	29.9	12.4
d106	20.1	14.0
d107	34.5	10.4
d108	32.8	10.3
d201	37.4	8.6
d202	37.8	9.9
d203	28.3	8.4

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
d205	23.7	15.8
d206	28.2	12.2
d207	21.4	13.6
d208	16.5	14.9
d209	23.8	12.7
d210	34.0	10.0
d301	23.5	9.2
d302	26.4	12.1
d303	23.2	10.0
d304	15.8	17.0
d305	27.6	12.6
d306	26.2	9.5
d307	24.9	10.8
d308	19.3	11.3
d309	24.2	13.1
d310	34.5	9.7
d401	26.1	7.3
d402	28.2	9.1
d403	25.7	8.0
d404	17.7	15.2
d405	28.1	12.4
d406	30.3	9.8
d407	25.3	10.8
d408	19.7	11.1
d409	27.0	11.5
d410	38.1	8.1
d501	39.7	9.0

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
d502	41.3	11.4
d503	36.0	9.4
d504	16.4	14.0
d505	28.5	12.3
d506	27.3	9.1
d507	25.4	10.8
d508	20.1	10.8
d509	30.1	12.9
d510	41.4	8.6
d601	22.2	11.1
d602	34.7	13.5
d603	29.0	11.4
d604	29.0	14.7
d605	29.1	14.7
d606	22.7	11.0
d607	20.3	10.7
d608	24.6	9.6
d609	31.5	13.9
d701	25.8	9.0
d702	39.8	12.7
d703	31.0	11.6
d704	29.2	14.5
d705	31.3	14.3
d706	21.9	10.9
d707	22.9	11.9
d709	27.1	12.8
d801	26.2	9.0

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
d802	40.1	12.8
d803	31.2	11.7
d804	29.0	14.4
d805	28.3	14.6
d806	21.8	11.0
d807	22.8	11.7
d808	25.9	14.0
d809	27.4	12.5
d901	26.5	8.9
d902	40.1	13.2
d903	31.0	11.8
d904	28.6	14.4
d905	28.4	14.4
d906	21.9	11.0
d907	22.6	11.5
d908	26.1	14.1
d909	27.7	12.2
d1001	25.4	8.8
d1002	41.3	12.0
d1003	28.8	10.0
d1004	29.8	12.8
d1005	30.1	13.5
d1006	26.2	9.9
d1007	23.8	10.7
d1008	27.7	12.8
d1009	29.6	11.1
d1101	25.5	8.8

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
d1102	41.0	12.0
d1103	28.3	10.2
d1104	27.6	12.9
d1105	28.7	13.4
d1106	23.5	9.8
d1107	23.1	10.7
d1108	28.0	12.8
d1109	29.9	11.1
d1201	25.7	8.7
d1202	40.0	11.9
d1203	28.0	10.4
d1204	27.5	12.8
d1205	27.6	13.6
d1206	23.1	10.2
d1207	22.8	10.7
d1208	28.1	12.8
d1209	30.0	11.0
d1301	26.1	8.4
d1302	40.0	13.0
d1303	34.8	12.6
d1304	27.4	12.8
d1305	26.3	13.7
d1306	22.2	9.7
d1307	16.5	9.4
d1308	28.3	12.8
d1309	30.3	11.1
d1401	26.4	8.4

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
d1402	38.0	12.9
d1403	33.5	12.8
d1404	25.9	12.6
d1405	25.0	13.7
d1406	20.4	9.7
d1407	15.3	9.4
d1408	28.4	12.8
d1409	30.4	10.6
d1501	26.5	8.2
d1502	35.4	13.6
d1503	31.3	12.9
d1504	26.4	13.1
d1505	24.2	13.5
d1506	19.9	9.4
d1508	28.5	12.7
d1509	30.5	10.6
d1601	26.6	8.4
d1602	33.6	14.7
d1603	29.2	13.3
d1604	24.2	12.8
d1605	22.0	13.6
d1606	18.7	9.4
d1608	28.7	12.7
d1609	30.7	11.1
d1701	24.9	7.9
d1702	28.6	14.0
d1703	23.7	12.8

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
d1704	22.7	12.7
d1705	20.3	13.7
d1706	16.9	9.4
d1707	14.8	9.4
d1708	28.9	12.6
d1709	30.9	10.7
d1801	24.9	8.0
d1802	28.0	13.5
d1803	24.1	13.2
d1804	30.2	12.8
d1805	20.0	13.9
d1806	29.0	10.5
d1807	28.0	9.7
d1808	42.2	15.6
d1809	45.4	13.1
d1901	34.9	9.3
d1902	36.4	10.7
d1903	24.2	15.9
d1904	23.6	18.5
d1905	20.1	14.3
dTW01	19.8	17.9
dTW02	9.9	21.4
dTW03	24.7	14.0
d204, d708	25.6	14.0
All other dwellings	15.0	9.3

(b) Common areas and central systems/facilities

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	4 star (> 4.5 but ≤ 6 L/min)	4 star	6 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 4)	-	-	-

(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.		✓	✓

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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. 7)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No. 8)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No.9)	-	-	light-emitting diode	connected to lift call button	Yes

Central energy systems	Type	Specification
Central hot water system (No. 3)	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)
Lift (No. 7)	gearless traction with V V V F motor	Number of levels (including basement): 23
Lift (No. 8)	gearless traction with V V V F motor	Number of levels (including basement): 23
Lift (No. 9)	gearless traction with V V V F motor	Number of levels (including basement): 23

6. 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	4 star (> 4.5 but ≤ 6 L/min)	4 star	6 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Central water tank - rainwater or stormwater (No. 1)	113500.0	To collect run-off from at least: - 988.0 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 4607.0 square metres of common landscaped area on the site - car washing in 1 car washing bays on the site

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

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

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS
Loading Dock	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	zoned switching with motion sensor	Yes
Basement	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	zoned switching with motion sensor	Yes
Garbage rooms	ventilation exhaust only	-	light-emitting diode	motion sensors	Yes
Plant rooms	ventilation supply only	none ie. continuous	light-emitting diode	motion sensors	Yes
Switch/comms rooms	ventilation supply only	time clock or BMS controlled	light-emitting diode	manual on / manual off	Yes
Mail rooms	no mechanical ventilation	-	light-emitting diode	zoned switching with motion sensor	Yes
Substation	ventilation supply only	none ie. continuous	light-emitting diode	manual on / manual off	Yes
Storage rooms	ventilation supply only	none ie. continuous	light-emitting diode	zoned switching with motion sensor	Yes
Fan rooms	no mechanical ventilation	-	light-emitting diode	zoned switching with motion sensor	Yes

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS
Basement chamber	ventilation supply only	none ie. continuous	light-emitting diode	zoned switching with motion sensor	Yes
Common corridors	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	Yes
Lobbies	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with daylight sensor	Yes
Lobbies basement	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	Yes

Central energy systems	Type	Specification
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 117.5 peak kW
Other	Building management system installed?: yes Active power factor correction installed?: yes	-

Notes

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

Legend

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