

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

Multi Dwelling

Certificate number: 1046539M

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 06/10/2017 published by the Department. This document is available at www.basix.nsw.gov.au

Secretary

Date of issue: Friday, 01 November 2019

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



Project summary						
Project name	Develpoment @ Jordan Spring Village	ıs East				
Street address	TBA Street Jordan Springs 274	17				
Local Government Area	Penrith City Council					
Plan type and plan number	deposited Lot-11					
Lot no.	11					
Section no.	-					
No. of residential flat buildings	4					
No. of units in residential flat buildings	135					
No. of multi-dwelling houses	0					
No. of single dwelling houses	0					
Project score						
Water	✓ 41 Ta	arget 40				
Thermal Comfort	✓ Pass Ta	arget Pass				
Energy	✓ 45 Ta	arget 45				

Certificate Prepared by

Name / Company Name: Outsource Ideas P/I

ABN (if applicable): 12 130 092 661

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Description of project

Project address	
Project name	Develpoment @ Jordan Springs East Village
Street address	TBA Street Jordan Springs 2747
Local Government Area	Penrith City Council
Plan type and plan number	deposited Lot-11
Lot no.	11
Section no.	-
Project type	
No. of residential flat buildings	4
No. of units in residential flat buildings	135
No. of multi-dwelling houses	0
No. of single dwelling houses	0
Site details	
Site area (m²)	11060
Roof area (m²)	1075
Non-residential floor area (m²)	4283.0
Residential car spaces	192
Non-residential car spaces	176

Common area landscape	
Common area lawn (m²)	0.0
Common area garden (m²)	0.0
Area of indigenous or low water use species (m²)	0.0
Assessor details	
Assessor number	BDAV/13/1521
Certificate number	15212575
Climate zone	28
Project score	
Water	✓ 41 Target 40
Thermal Comfort	✓ Pass Target Pass
Energy	✓ 45 Target 45

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Description of project

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

Residential flat buildings - Building-A, 32 dwellings, 3 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)
201	2	81.0	0.0	0.0	0.0	202	3	129.0	0.0
205	2	87.0	0.0	0.0	0.0	206	3	120.0	0.0
209	2	80.0	0.0	0.0	0.0	301	2	81.0	0.0
304	2	87.0	0.0	0.0	0.0	305	2	87.0	0.0
308	2	82.0	0.0	0.0	0.0	309	2	80.0	0.0
403	2	81.0	0.0	0.0	0.0	404	2	87.0	0.0
407	1	58.0	0.0	0.0	0.0	408	2	82.0	0.0
502	3	129.0	0.0	0.0	0.0	503	2	81.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.
202	3	129.0	0.0	0.0	0.0	203
206	3	120.0	0.0	0.0	0.0	207
301	2	81.0	0.0	0.0	0.0	302
305	2	87.0	0.0	0.0	0.0	306
309	2	80.0	0.0	0.0	0.0	401
404	2	87.0	0.0	0.0	0.0	405
408	2	82.0	0.0	0.0	0.0	409
503	2	81.0	0.0	0.0	0.0	504

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
203	2	81.0	0.0	0.0	0.0
207	1	50.0	0.0	0.0	0.0
302	3	129.0	0.0	0.0	0.0
306	3	120.0	0.0	0.0	0.0
401	2	81.0	0.0	0.0	0.0
405	2	87.0	0.0	0.0	0.0
409	2	80.0	0.0	0.0	0.0
504	3	123.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
204	2	87.0	0.0	0.0	0.0
208	2	82.0	0.0	0.0	0.0
303	2	81.0	0.0	0.0	0.0
307	1	58.0	0.0	0.0	0.0
402	3	129.0	0.0	0.0	0.0
406	3	120.0	0.0	0.0	0.0
501	2	80.0	0.0	0.0	0.0
505	2	95.0	0.0	0.0	0.0

Residential flat buildings - Building-B, 42 dwellings, 3 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & Iawn (m²)	Indigenous species (min area m²)
101	2	87.0	0.0	0.0	0.0
105	2	80.0	0.0	0.0	0.0
109	2	87.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & Iawn (m²)	Indigenous species (min area m²)
102	1	54.0	0.0	0.0	0.0
106	2	80.0	0.0	0.0	0.0
201	2	87.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	
103	2	81.0	0.0	0.0	0.0	
107	2	80.0	0.0	0.0	0.0	
202	1 54.0		0.0	0.0	0.0	

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
104	3	129.0	0.0	0.0	0.0
108	2	81.0	0.0	0.0	0.0
203	2 81.0		0.0	0.0	0.0

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Version: 3.0 / DARWINIA_3_10_0

Friday, 01 November 2019 Certificate No.: 1046539M

page 3/44

Dwelling no.		No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & Iawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & Iawn (m²)	Indigenous species (min area m²)	
204	1	3	129.0	0.0	0.0	0.0	205	2	80.0	0.0	0.0	0.0	
208	3	2	81.0	0.0	0.0	0.0	209	2	87.0	0.0	0.0	0.0	
303	3	2	81.0	0.0	0.0	0.0	304	3	129.0	0.0	0.0	0.0	
307	7	2	80.0	0.0	0.0	0.0	308	2	81.0	0.0	0.0	0.0	
402	2	1	54.0	0.0	0.0	0.0	403	2	81.0	0.0	0.0	0.0	
406	6	2	80.0	0.0	0.0	0.0	407	2	80.0	0.0	0.0	0.0	
501	1	3	95.0	0.0	0.0	0.0	502	3	123.0	0.0	0.0	0.0	
505	5	3	129.0	0.0	0.0	0.0	506	2	80.0	0.0	0.0	0.0	

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
206	2	80.0	0.0	0.0	0.0
301	2	87.0	0.0	0.0	0.0
305	2	80.0	0.0	0.0	0.0
309	2	87.0	0.0	0.0	0.0
404	3	129.0	0.0	0.0	0.0
408	2	81.0	0.0	0.0	0.0
503	1	54.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
207	2	80.0	0.0	0.0	0.0
302	1	54.0	0.0	0.0	0.0
306	2	80.0	0.0	0.0	0.0
401	2	87.0	0.0	0.0	0.0
405	2	80.0	0.0	0.0	0.0
409	2	87.0	0.0	0.0	0.0
504	2	81.0	0.0	0.0	0.0

Residential flat buildings - Building-C, 29 dwellings, 3 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
101	2	87.0	0.0	0.0	0.0
105	2	80.0	0.0	0.0	0.0
201	2	87.0	0.0	0.0	0.0
205	2	80.0	0.0	0.0	0.0
209	2	87.0	0.0	0.0	0.0
304	2	80.0	0.0	0.0	0.0
308	1	54.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
102	2	81.0	0.0	0.0	0.0
106	3	129.0	0.0	0.0	0.0
202	2	81.0	0.0	0.0	0.0
206	3	129.0	0.0	0.0	0.0
301	2	87.0	0.0	0.0	0.0
305	2	80.0	0.0	0.0	0.0
309	2	87.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
103	2	80.0	0.0	0.0	0.0
107	1	54.0	0.0	0.0	0.0
203	2	80.0	0.0	0.0	0.0
207	2	81.0	0.0	0.0	0.0
302	2	81.0	0.0	0.0	0.0
306	3	129.0	0.0	0.0	0.0
TH01	3	132.0	0.0	0.0	0.0

Certificate No.: 1046539M

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
104	2	80.0	0.0	0.0	0.0
108	3	129.0	0.0	0.0	0.0
204	2	80.0	0.0	0.0	0.0
208	1	54.0	0.0	0.0	0.0
303	2	80.0	0.0	0.0	0.0
307	2	81.0	0.0	0.0	0.0
TH02	3	132.0	0.0	0.0	0.0

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Version: 3.0 / DARWINIA_3_10_0

Friday, 01 November 2019

Dwelling no.	No. of bedrooms	onditioned ea (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
TH03	3	132.0	0.0	0.0	0.0															

Residential flat buildings - Building-D, 32 dwellings, 3 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms		Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)	Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & Iawn (m²)	Indigenous species (min area m²)
101	2	80.0	0.0	0.0	0.0	102	2	84.0	0.0	0.0	0.0	103	1	58.0	0.0	0.0	0.0	104	2	80.0	0.0	0.0	0.0
105	2	80.0	0.0	0.0	0.0	201	2	80.0	0.0	0.0	0.0	202	3	129.0	0.0	0.0	0.0	203	2	81.0	0.0	0.0	0.0
204	1	54.0	0.0	0.0	0.0	205	2	87.0	0.0	0.0	0.0	206	2	87.0	0.0	0.0	0.0	207	2	81.0	0.0	0.0	0.0
208	2	80.0	0.0	0.0	0.0	209	2	80.0	0.0	0.0	0.0	301	2	87.0	0.0	0.0	0.0	302	2	81.0	0.0	0.0	0.0
303	2	80.0	0.0	0.0	0.0	304	2	80.0	0.0	0.0	0.0	305	2	80.0	0.0	0.0	0.0	306	3	129.0	0.0	0.0	0.0
307	2	81.0	0.0	0.0	0.0	308	1	54.0	0.0	0.0	0.0	309	2	87.0	0.0	0.0	0.0	G01	2	84.0	0.0	0.0	0.0
TH04	3	132.0	0.0	0.0	0.0	TH05	3	132.0	0.0	0.0	0.0	TH06	3	132.0	0.0	0.0	0.0	TH07	2	117.0	0.0	0.0	0.0
TH08	2	117.0	0.0	0.0	0.0	TH09	2	117.0	0.0	0.0	0.0	TH10	2	117.0	0.0	0.0	0.0	TH11	2	117.0	0.0	0.0	0.0

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 5/44

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 (m²)
Lift car (No.1)	-
Hallway/lobby_Bld-A_Level-3	57.0

Common area	Floor area (m²)
Lift car (No.2)	-
Hallway/lobby_Bld-A_Level-4	65.0

Common area	Floor area (m²)
Hallway/lobby_Bld-A_Level-2	57.0
Hallway/lobby_Bld-B_Level-4	65.0

Common areas of unit building - Building-B

Common area	Floor area (m²)
Lift car (No.3)	-
Hallway/lobby_Bld-B_Level-2	65.0
Hallway/lobby_Bld-B_Level-5	73.0

Common area	Floor area (m²)
Lift car (No.4)	-
Hallway/lobby_Bld-B_Level-3	65.0

Common area	Floor area (m²)
Hallway/lobby_Bld-B_Level-1	61.0
Hallway/lobby_Bld-B_Level-5	63.0

Common areas of unit building - Building-C

Common area	Floor area (m²)
Lift car (No.5)	-
Hallway/lobby_Bld-C_Level-2	65.0

Common area	Floor area (m²)
Lift car (No.6)	-
Hallway/lobby_Bld-C_Level-3	65.0

Common area	Floor area (m²)
Hallway/lobby_Bld-C_Level-1	60.0

Common areas of unit building - Building-D

Common area	Floor area (m²)
Lift car (No.7)	-
Service room-2 GF	9.0
Communal room	65.0
Hallway/lobby_Bld-D_Level-2	45.0

Common area	Floor area (m²)
Lift car (No.8)	-
MSB Room_GF	10.0
Ground floor lobby_Bld-D	100.0
Hallway/lobby_Bld-D_Level-3	45.0

Common area	Floor area (m²)
Service room-1 GF	14.0
Garbage room_GF Town House	15.0
Hallway/lobby_Bld-D_Level-1	111.0

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 6/44

Common areas of the development (non-building specific)

Common area	Floor area (m²)
Basement Car park area	9758.0
Common Toilets	22.0
Grease Arrestor-2	35.0
Garbage room (No. 3)	26.0
Garbage room (No. 6)	25.0
Garbage room (No. 9)	22.0
Car Park Fan Rm-1	31.0

Common area	Floor area (m²)
Car Park Fan Rm-3	27.0
care taker WC	4.0
Garbage room (No. 1)	20.0
Garbage room (No. 4)	33.0
Garbage room (No. 7)	26.0
Cold Water pump room	25.0
Grease Arrestor	21.0

Common area	Floor area (m²)
Service room	12.0
Car park Exh fan room	21.0
Garbage room (No. 2)	29.0
Garbage room (No. 5)	20.0
Garbage room (No. 8)	25.0
Fire pump room	17.0
Car Park Fan Rm-2	30.0

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 7/44

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-C
 - (a) Dwellings
 - (i) Water
 - (ii) Energy
 - (iii) Thermal Comfort
 - (b) Common areas and central systems/facilities
 - (i) Water
 - (ii) Energy
- 4. Commitments for Residential flat buildings Building-D
 - (a) Dwellings

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 8/44

(i) Water (ii) Energy (iii) Thermal Comfort	
(b) Common areas and central systems/facilities (i) Water (ii) Energy	
5. Commitments for multi-dwelling houses	
6. Commitments for single dwelling houses	
7. Commitments for common areas and central systems/facilities for the development (non-building specific) (i) Water (ii) Energy	

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 9/44

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	Certifie 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.		•	V
(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.	V	~	
(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.	V	✓	
(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.	~	~	~

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 10/44

			Fixtur	es		Appli	ances		Indi	vidual pool		In	dividual	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	3 star	3 star	-	-	4 star	-	-	-	-	-	-	-

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

ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifie 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.		~	V
(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.		•	~

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 11/44

(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 vent	ilation system	Laundry ventilation system		
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control	
All dwellings	gas instantaneous 6 star	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	

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 12/44

	Cod	oling	Hea	ting			Artificial	lighting			Natural lig	hting
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/ toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitche
207, 307, 407	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	1 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
202, 206, 302, 306, 402, 406, 502, 504	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	3 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
All other dwellings	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	2 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

	Individual po	ool	Individual s	ра	Appliances & other efficiency measures							
Dwelling no.	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	4 star (new rating)	yes	4 star	4 star	6 star	no	no

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 13/44

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

		Thermal loads
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
201	54.0	46.0
202	51.0	44.0
203	48.0	40.0
206	55.0	42.0
208	49.0	43.0
209	46.0	44.0
301	43.0	47.0
306	56.0	43.0

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 14/44

		Thermal loads
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
307	54.0	48.0
308	50.0	44.0
309	47.0	45.0
406	59.0	46.0
407	55.0	51.0
408	54.0	49.0
409	51.0	49.0
501	52.0	49.0
502	53.0	44.0
503	57.0	48.0
504	59.0	53.0
505	51.0	51.0
204, 205	46.0	30.0
207, 401	53.0	47.0
302, 402	52.0	45.0
303, 403	49.0	41.0
All other dwellings	47.0	31.0

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 15/44

(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.		~	V
(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.	V	~	
(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.		~	V
(f) The applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		V	V

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

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

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 16/44

	Common area v	ventilation system		Common area lighting				
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS			
Lift car (No.1)	-	i -	light-emitting diode	connected to lift call button	No			
Lift car (No.2)	æ	-	light-emitting diode	connected to lift call button	No			
Hallway/lobby_Bld-A_Level-2	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No			
Hallway/lobby_Bld-A_Level-3	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No			
Hallway/lobby_Bld-A_Level-4	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No			
Hallway/lobby_Bld-B_Level-4	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No			

Central energy systems	Туре	Specification
Lift (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 7
Lift (No. 2)	gearless traction with V V V F motor	Number of levels (including basement): 7

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 17/44

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.		~	V
(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.		~	V
(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		•	V
(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.	V	✓	
(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.	V	~	
(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.	~	~	~

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 18/44

	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	3 star	3 star	-	-	4 star	-	-	-	-	_	-	-

	Alternative water source									
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up		
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.		plans & specs	
(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.		~	V
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.		~	~

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 19/44

(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".		V	

	Hot water	Bathroom ven	tilation system	Kitchen vent	ilation system	Laundry ventilation system		
Dwelling no.	Hot water system		Each kitchen	Operation control	Each laundry	Operation control		
All dwellings	gas instantaneous 6 star	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	

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 20/44

	Cod	oling	Hea	ting	Artificial lighting						Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/ toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitche
102, 202, 302, 402, 503	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	1 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
104, 204, 304, 404, 501, 502, 505	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	3 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
All other dwellings	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	2 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

	Individual pool		Individual s	Individual spa		Appliances & other efficiency measures							
Dwelling no.	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line	
All dwellings	-	-	-	-	gas cooktop & electric oven	4 star (new rating)	yes	4 star	4 star	6 star	no	no	

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 21/44

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

	Thermal loads								
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)							
105	32.0	22.0							
107	50.0	30.0							
205	32.0	20.0							
207	50.0	34.0							
305	33.0	19.0							
306	53.0	35.0							
307	51.0	35.0							
405	33.0	29.0							

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 22/44

	Ther	mal loads
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
406	59.0	38.0
407	54.0	39.0
408	45.0	45.0
501	54.0	48.0
502	46.0	30.0
503	48.0	39.0
504	55.0	52.0
505	53.0	54.0
506	53.0	46.0
104, 204	23.0	24.0
106, 206	52.0	34.0
304, 404	24.0	25.0
102, 108, 202, 208	38.0	42.0
201, 301, 303, 309, 401, 403, 409	40.0	44.0
All other dwellings	39.0	43.0

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 23/44

(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.		~	V
(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.	V	~	
(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.		~	V
(f) The applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		<u> </u>	V

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

(ii) Energy	Show on DA plans		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.	V	~	V

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 24/44

	Common area v	ventilation system	Common area lighting					
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS			
Lift car (No.3)	-	-	light-emitting diode	connected to lift call button	No			
Lift car (No.4)	æ	-	light-emitting diode	connected to lift call button	No			
Hallway/lobby_Bld-B_Level-1	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No			
Hallway/lobby_Bld-B_Level-2	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No			
Hallway/lobby_Bld-B_Level-3	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No			
Hallway/lobby_Bld-B_Level-5	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No			
Hallway/lobby_Bld-B_Level-5	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No			

Central energy systems	Туре	Specification
Lift (No. 3)	gearless traction with V V V F motor	Number of levels (including basement): 7
Lift (No. 4)	gearless traction with V V V F motor	Number of levels (including basement): 7

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 25/44

3. Commitments for Residential flat buildings - Building-C

(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.		~	V
(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.	~	~	~

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 26/44

	Fixtures				Appli	ances	Individual pool			In	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	3 star	3 star	-	-	4 star	-	-	-	-	_	-	-

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

ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifie 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.		~	V
(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.		•	~

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 27/44

(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 vent	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	gas instantaneous 6 star	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	

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 28/44

	Cooling Heating		Artificial lighting						Natural lighting			
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/ toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitcher
107, 208, 308	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	1 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
106, 206, TH01, TH02, TH03	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	3 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
All other dwellings	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	2 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

	Individual pool		Individual spa		Appliances & other efficien			iency meas	ures			
Dwelling no.	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	4 star (new rating)	yes	4 star	4 star	6 star	no	no

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

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 29/44

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(d) The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Thermal Comfort Protocol requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor, to certify that this is the case.	~		
(e) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.		~	
(f) The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		~	~
(g) Where there is an in-slab heating or cooling system, the applicant must:	V	~	V
(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.	V	~	~

		Thermal loads
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
104	52.0	35.0
105	51.0	21.0
TH01	48.0	46.0
TH02	52.0	19.0
TH03	51.0	38.0
204, 304	62.0	35.0
205, 305	61.0	21.0
209, 309	22.0	35.0
101, 201, 301	55.0	48.0
102, 202, 302	60.0	21.0
103, 203, 303	55.0	31.0

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 30/44

		Thermal loads							
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)							
106, 206, 306	55.0	18.0							
107, 207, 307	51.0	50.0							
All other dwellings	30.0	46.0							

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 31/44

(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.		~	V
(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.	V	~	
(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.		~	V
(f) The applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		<u> </u>	V

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

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

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 32/44

	Common area v	entilation system	Common area lighting				
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS		
Lift car (No.5)	-	-	light-emitting diode	connected to lift call button	No		
Lift car (No.6)	R	=	light-emitting diode	connected to lift call button	No		
Hallway/lobby_Bld-C_Level-1	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No		
Hallway/lobby_Bld-C_Level-2	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No		
Hallway/lobby_Bld-C_Level-3	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No		

Central energy systems	Туре	Specification
Lift (No. 5)	gearless traction with V V V F motor	Number of levels (including basement): 5
Lift (No. 6)	gearless traction with V V V F motor	Number of levels (including basement): 5

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 33/44

4. 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.		~	V
(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.	v	~	
(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.	~	~	~

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 34/44

		Fixtures					ances	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	3 star	3 star	-	-	4 star	-	-	-	-	-	-	-

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

ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifie 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.		~	V
(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.		•	~

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 35/44

(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 ven	tilation system	Kitchen vent	ilation system	Laundry ventilation system		
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control	
All dwellings	gas instantaneous 6 star	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	

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 36/44

	Cod	oling	Hea	ting			Natural lighting					
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/ toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitcher
103, 204, 308		1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	1 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
202, 306, TH04, TH05, TH06	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	3 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
All other dwellings	-	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	2 (dedicated)	2 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

	Individual pool Individual spa			Appliances & other efficiency measures								
Dwelling no.	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	4 star (new rating)	yes	4 star	4 star	6 star	no	no

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

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 37/44

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(d) The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Thermal Comfort Protocol requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor, to certify that this is the case.	~		
(e) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.		~	
(f) The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		~	~
(g) Where there is an in-slab heating or cooling system, the applicant must:	V	~	V
(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.	V	~	V

		Thermal loads
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
101	49.0	47.0
TH06	27.0	21.0
TH07	47.0	30.0
TH08	49.0	32.0
TH09	41.0	43.0
TH10	37.0	35.0
TH11	50.0	37.0
102, 104	51.0	20.0
103, 105	57.0	39.0
201, 301	55.0	48.0
202, 302	60.0	21.0

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 38/44

		Thermal loads			
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)			
203, 303	55.0	31.0			
204, 304	62.0	35.0			
205, 305	61.0	21.0			
206, 306	55.0	18.0			
207, 307	51.0	50.0			
209, 309	22.0	35.0			
TH04, TH05	37.0	22.0			
All other dwellings	30.0	46.0			

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 39/44

(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.		~	V
(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.	V	~	
(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.		~	V
(f) The applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		<u> </u>	V

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

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

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 40/44

	Common area	ventilation system	Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS
Lift car (No.7)	-	-	light-emitting diode	connected to lift call button	No
Lift car (No.8)	3 - 3	-	light-emitting diode	connected to lift call button	No
Service room-1 GF	no mechanical ventilation	-	fluorescent	motion sensors	No
Service room-2 GF	no mechanical ventilation	-	fluorescent	motion sensors	No
MSB Room_GF	no mechanical ventilation	-	fluorescent	motion sensors	No
Garbage room_GF Town House	ventilation exhaust only	-	fluorescent	motion sensors	No
Communal room	no mechanical ventilation	-	fluorescent	manual on / timer off	No
Ground floor lobby_Bld-D	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No
Hallway/lobby_Bld-D_Level-1	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No
Hallway/lobby_Bld-D_Level-2	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No
Hallway/lobby_Bld-D_Level-3	no mechanical ventilation	-	fluorescent	daylight sensor and motion sensor	No

Central energy systems	Туре	Specification
Lift (No. 7)	gearless traction with V V V F motor	Number of levels (including basement): 5
Lift (No. 8)	gearless traction with V V V F motor	Number of levels (including basement): 5

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 41/44

7. 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.		~	V
(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.	V	~	
(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.		~	V
(f) The applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		V	~

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

(ii) Energy	Show on	Show on CC/CDC	Certifier
	DA plans	plans & specs	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.	V	~	V

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 42/44

	Common area	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 Car park area	ventilation (supply + exhaust)	carbon monoxide monitor + 2-speed fan	fluorescent	daylight sensor and motion sensor	No
Car Park Fan Rm-3	no mechanical ventilation	-	fluorescent	motion sensors	No
Service room	no mechanical ventilation	-	fluorescent	motion sensors	No
Common Toilets	ventilation exhaust only	interlocked to light	fluorescent	motion sensors	No
care taker WC	ventilation exhaust only	interlocked to light	fluorescent	motion sensors	No
Car park Exh fan room	no mechanical ventilation	-	fluorescent	motion sensors	No
Grease Arrestor-2	no mechanical ventilation	-	fluorescent	motion sensors	No
Garbage room (No. 1)	ventilation exhaust only	-	fluorescent	motion sensors	No
Garbage room (No. 2)	ventilation exhaust only	-	fluorescent	motion sensors	No
Garbage room (No. 3)	ventilation exhaust only	-	fluorescent	motion sensors	No
Garbage room (No. 4)	ventilation exhaust only	-	fluorescent	motion sensors	No
Garbage room (No. 5)	ventilation exhaust only	-	fluorescent	motion sensors	No
Garbage room (No. 6)	ventilation exhaust only	-	fluorescent	motion sensors	No
Garbage room (No. 7)	ventilation exhaust only	-	fluorescent	motion sensors	No
Garbage room (No. 8)	ventilation exhaust only	-	fluorescent	motion sensors	No
Garbage room (No. 9)	ventilation exhaust only	-	fluorescent	motion sensors	No
Cold Water pump room	no mechanical ventilation	-	fluorescent	motion sensors	No
Fire pump room	no mechanical ventilation	-	fluorescent	motion sensors	No
Car Park Fan Rm-1	no mechanical ventilation	-	fluorescent	motion sensors	No
Grease Arrestor	no mechanical ventilation	-	fluorescent	motion sensors	No
Car Park Fan Rm-2	no mechanical ventilation	-	fluorescent	motion sensors	No

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 43/44

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 fulfillment it is required to monitor in relation to the building or part, has been fulfilled).

BASIX Planning & Environment www.basix.nsw.gov.au Version: 3.0 / DARWINIA_3_10_0 Certificate No.: 1046539M Friday, 01 November 2019 page 44/44