

**BASIX Assessment**  
**Col James Student Accommodation**  
83 - 123 Eveleigh Street  
Redfern NSW 2016

City of Sydney  
BASIX Certificate Number: 980460M  
Date Issued: 30 November 2018

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Appendix A – Stamped Plans (dated 30.11.2018)

## **Project Overview**

The Col James Student Accommodation project, 83 - 123 Eveleigh Street Redfern NSW 2016 is located in The City of Sydney. The project is a Class 3 building under the National Construction Code (NCC, Formerly the BCA) 2016.

The project comprises of 519 Sole Occupancy Rooms. 307 rooms have kitchenettes whilst the inhabitants of the other 212 must access a communal kitchen. To assess a dwelling under a BASIX certification and obtain heating and cooling loads for a dwelling the dwelling must have access to kitchen facilities. The 212 dwellings without kitchenettes are clustered in 5 room groups which share access to a communal kitchen. These have been grouped together for the BASIX assessment creating a total of 347 assessable dwellings.

The Project has been assessed with plans dated 30 November 2018 and the plans used for the BASIX assessment have been stamped with the corresponding BASIX Certificate number: 980460M

The project meets BASIX Compliance achieving a pass for Thermal Comfort and exceeds the water compliance target score of 40 and energy compliance target score of 25 achieving 41 for Water and 26 for Energy.

BASIX and thermal performance specifications used in the assessment are detailed on the following pages.

## BASIX Specifications

**Project Name:** Col James Student Accommodation  
**Project Address:** 83 - 123 Eveleigh Street  
Redfern NSW 2016

**BASIX Certificate:**  
**980460M**

<b>Lot &amp; DP</b>	77 - 79 Eveleigh Street	1	996782
	81 - 83 Eveleigh Street	A & B	326761
	85 Eveleigh Street	B	81200
	87 Eveleigh Street	1	996783
	89 Eveleigh Street	1	741715
	91 Eveleigh Street	1	779120
	93 - 95 Eveleigh Street	A & B	439127
	97 Eveleigh Street	1	797845
	99 Eveleigh Street	1	194785
	101 - 105 Eveleigh Street	1	88846
	107 Eveleigh Street	1	708931
	109 Eveleigh Street	1	996784
	111 - 119 Eveleigh Street	1 to 5	230305
	121 Eveleigh Street	1	995857
	123 Eveleigh Street	1	803299
	Old Accessways	1 & 12	1183218

## Water Commitments

<b>Shower Heads:</b>	3 Star ( >4.5 but <= 6 L/min)
<b>Toilets:</b>	4 Star
<b>Kitchen and Bathroom Taps:</b>	4 Star
<b>Washing Machines:</b>	3 Star

## Energy Commitments

<b>Hot Water System:</b>	Central Hotwater System
<b>Bathroom, Kitchen, Laundry Ventilation:</b>	Kitceh and Bathroom Individual Fans ducted. No Laundry
<b>Air Conditioning (Heating &amp; Cooling):</b>	Central Airconditioning System
<b>Appliances:</b>	<b>Cooktop and Oven</b> Electric Cooktop/ Electric Oven
	<b>Fridge</b> 2 Star

Please refer to BASIX Certificate dated 30/11/2018 for detailed commitment requirements

## Thermal Performance Specifications

**Project Name:** Col James Student Accommodation  
**Project Address:** 83 - 123 Eveleigh Street  
Redfern NSW 2016

**BASIX Certificate:**  
**980460M**

<b>Building Elements</b>	<b>Material</b>	<b>Insulation Details</b>
<b>External Walls</b>	Various refer to plans	R2.5 Bulk Insulation
<b>External Wall Color</b>	Various refer to plans	
<b>Internal Walls</b>	Plasterboard on studs	N/A
<b>Ceiling</b>	Plasterboard	R2
<b>Roof</b>	Concrete	
<b>Floors</b>	Concrete slab on ground	
<b>Windows</b> East, West and South Elevations	Improved Aluminum Frame Double Glaze Low-E Clear	Uval 4.8 SHGC 0.54
Eveleigh Street, North Elevation	Improved Aluminum Frame Double Glaze Low-E Grey Tint	Uval 3.08 SHGC 0.46

# BASIX<sup>®</sup>Certificate

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

## Multi Dwelling

Certificate number: 980460M

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](http://www.basix.nsw.gov.au)

Secretary  
Date of issue: Friday, 30 November 2018  
To be valid, this certificate must be lodged within 3 months of the date of issue.






Project summary		
Project name	Col James Student Accommodation	
Street address	83-123 Eveleigh Street Redfern 2016	
Local Government Area	Sydney City Council	
Plan type and plan number	deposited 996782	
Lot no.	1	
Section no.	-	
No. of residential flat buildings	1	
No. of units in residential flat buildings	347	
No. of multi-dwelling houses	0	
No. of single dwelling houses	0	
Project score		
Water	✔ 41	Target 40
Thermal Comfort	✔ Pass	Target Pass
Energy	✔ 26	Target 25

Certificate Prepared by
Name / Company Name: Ecoinnovate
ABN (if applicable): 50147872866

# Description of project

Project address	
Project name	Col James Student Accommodation
Street address	83-123 Eveleigh Street Redfern 2016
Local Government Area	Sydney City Council
Plan type and plan number	deposited 996782
Lot no.	1
Section no.	-
Project type	
No. of residential flat buildings	1
No. of units in residential flat buildings	347
No. of multi-dwelling houses	0
No. of single dwelling houses	0
Site details	
Site area (m <sup>2</sup> )	2385
Roof area (m <sup>2</sup> )	1130
Non-residential floor area (m <sup>2</sup> )	-
Residential car spaces	0
Non-residential car spaces	-

Common area landscape		
Common area lawn (m <sup>2</sup> )	250.0	
Common area garden (m <sup>2</sup> )	450.0	
Area of indigenous or low water use species (m <sup>2</sup> )	0.0	
Assessor details		
Assessor number	BDAV/13/1652	
Certificate number	16520542	
Climate zone	56	
Project score		
Water	 41	Target 40
Thermal Comfort	 Pass	Target Pass
Energy	 26	Target 25

## Description of project

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

### Residential flat buildings - Building1, 347 dwellings, 24 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
1-01	1	18.0	0.0	0.0	0.0
1-05	1	18.0	0.0	0.0	0.0
1-09	1	18.0	0.0	0.0	0.0
1-13	1	18.0	0.0	0.0	0.0
1-17	1	18.0	0.0	0.0	0.0
1-21	1	22.0	0.0	0.0	0.0
1-25	1	18.0	0.0	0.0	0.0
2-02	1	18.0	0.0	0.0	0.0
2-06	1	18.0	0.0	0.0	0.0
2-10	1	18.0	0.0	0.0	0.0
2-14	1	22.0	0.0	0.0	0.0
1-02	1	18.0	0.0	0.0	0.0
1-06	1	18.0	0.0	0.0	0.0
1-10	1	18.0	0.0	0.0	0.0
1-14	1	18.0	0.0	0.0	0.0
1-18	1	18.0	0.0	0.0	0.0
1-22	1	22.0	0.0	0.0	0.0
1-26	1	28.0	0.0	0.0	0.0
2-03	1	18.0	0.0	0.0	0.0
2-07	1	18.0	0.0	0.0	0.0
2-11	1	18.0	0.0	0.0	0.0
2-15	1	22.0	0.0	0.0	0.0
1-03	1	18.0	0.0	0.0	0.0
1-07	1	18.0	0.0	0.0	0.0
1-11	1	18.0	0.0	0.0	0.0
1-15	4 or more bedrooms	139.0	0.0	0.0	0.0
1-19	1	18.0	0.0	0.0	0.0
1-23	1	22.0	0.0	0.0	0.0
1-27	1	18.0	0.0	0.0	0.0
2-04	1	18.0	0.0	0.0	0.0
2-08	4 or more bedrooms	133.0	0.0	0.0	0.0
2-12	1	22.0	0.0	0.0	0.0
2-16	1	18.0	0.0	0.0	0.0
1-04	1	20.0	0.0	0.0	0.0
1-08	1	18.0	0.0	0.0	0.0
1-12	1	20.0	0.0	0.0	0.0
1-16	4 or more bedrooms	133.0	0.0	0.0	0.0
1-20	1	22.0	0.0	0.0	0.0
1-24	1	18.0	0.0	0.0	0.0
2-01	1	18.0	0.0	0.0	0.0
2-05	4 or more bedrooms	131.0	0.0	0.0	0.0
2-09	1	18.0	0.0	0.0	0.0
2-13	1	22.0	0.0	0.0	0.0
2-17	1	18.0	0.0	0.0	0.0



Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
2-18	1	28.0	0.0	0.0	0.0
3-02	1	18.0	0.0	0.0	0.0
3-06	1	18.0	0.0	0.0	0.0
3-10	1	18.0	0.0	0.0	0.0
3-14	1	22.0	0.0	0.0	0.0
3-18	1	28.0	0.0	0.0	0.0
4-02	1	18.0	0.0	0.0	0.0
4-06	4 or more bedrooms	131.0	0.0	0.0	0.0
4-10	1	18.0	0.0	0.0	0.0
4-14	1	22.0	0.0	0.0	0.0
4-18	1	18.0	0.0	0.0	0.0
5-01	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
2-19	1	18.0	0.0	0.0	0.0
3-03	1	18.0	0.0	0.0	0.0
3-07	1	21.0	0.0	0.0	0.0
3-11	1	18.0	0.0	0.0	0.0
3-15	1	22.0	0.0	0.0	0.0
3-19	1	18.0	0.0	0.0	0.0
4-03	1	18.0	0.0	0.0	0.0
4-07	1	18.0	0.0	0.0	0.0
4-11	1	18.0	0.0	0.0	0.0
4-15	1	22.0	0.0	0.0	0.0
4-19	1	28.0	0.0	0.0	0.0
5-02	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
2-20	4 or more bedrooms	127.0	0.0	0.0	0.0
3-04	1	18.0	0.0	0.0	0.0
3-08	4 or more bedrooms	133.0	0.0	0.0	0.0
3-12	1	22.0	0.0	0.0	0.0
3-16	1	18.0	0.0	0.0	0.0
3-20	4 or more bedrooms	127.0	0.0	0.0	0.0
4-04	1	18.0	0.0	0.0	0.0
4-08	1	21.0	0.0	0.0	0.0
4-12	1	18.0	0.0	0.0	0.0
4-16	1	22.0	0.0	0.0	0.0
4-20	1	18.0	0.0	0.0	0.0
5-03	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
3-01	1	18.0	0.0	0.0	0.0
3-05	1	131.0	0.0	0.0	0.0
3-09	1	18.0	0.0	0.0	0.0
3-13	1	22.0	0.0	0.0	0.0
3-17	1	18.0	0.0	0.0	0.0
4-01	1	18.0	0.0	0.0	0.0
4-05	1	18.0	0.0	0.0	0.0
4-09	4 or more bedrooms	133.0	0.0	0.0	0.0
4-13	1	22.0	0.0	0.0	0.0
4-17	1	18.0	0.0	0.0	0.0
4-21	4 or more bedrooms	127.0	0.0	0.0	0.0
5-04	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
5-05	1	18.0	0.0	0.0	0.0
5-09	4 or more bedrooms	133.0	0.0	0.0	0.0
5-13	1	22.0	0.0	0.0	0.0
5-17	1	18.0	0.0	0.0	0.0
5-21	4 or more bedrooms	127.0	0.0	0.0	0.0
6-04	1	18.0	0.0	0.0	0.0
6-08	1	24.0	0.0	0.0	0.0
6-12	1	18.0	0.0	0.0	0.0
6-16	1	22.0	0.0	0.0	0.0
6-20	1	18.0	0.0	0.0	0.0
7-03	1	18.0	0.0	0.0	0.0
7-07	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
5-06	4 or more bedrooms	131.0	0.0	0.0	0.0
5-10	1	18.0	0.0	0.0	0.0
5-14	1	22.0	0.0	0.0	0.0
5-18	1	18.0	0.0	0.0	0.0
6-01	1	21.0	0.0	0.0	0.0
6-05	1	18.0	0.0	0.0	0.0
6-09	4 or more bedrooms	133.0	0.0	0.0	0.0
6-13	1	22.0	0.0	0.0	0.0
6-17	1	18.0	0.0	0.0	0.0
6-21	4 or more bedrooms	127.0	0.0	0.0	0.0
7-04	1	18.0	0.0	0.0	0.0
7-08	1	24.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
5-07	1	18.0	0.0	0.0	0.0
5-11	1	18.0	0.0	0.0	0.0
5-15	1	22.0	0.0	0.0	0.0
5-19	1	28.0	0.0	0.0	0.0
6-02	1	18.0	0.0	0.0	0.0
6-06	1	131.0	0.0	0.0	0.0
6-10	1	18.0	0.0	0.0	0.0
6-14	1	22.0	0.0	0.0	0.0
6-18	1	18.0	0.0	0.0	0.0
7-01	1	18.0	0.0	0.0	0.0
7-05	1	18.0	0.0	0.0	0.0
7-09	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
5-08	1	21.0	0.0	0.0	0.0
5-12	1	18.0	0.0	0.0	0.0
5-16	1	22.0	0.0	0.0	0.0
5-20	1	18.0	0.0	0.0	0.0
6-03	1	18.0	0.0	0.0	0.0
6-07	1	18.0	0.0	0.0	0.0
6-11	1	18.0	0.0	0.0	0.0
6-15	1	22.0	0.0	0.0	0.0
6-19	1	28.0	0.0	0.0	0.0
7-02	1	18.0	0.0	0.0	0.0
7-06	4 or more bedrooms	131.0	0.0	0.0	0.0
7-10	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
7-11	1	18.0	0.0	0.0	0.0
7-15	1	22.0	0.0	0.0	0.0
7-19	1	18.0	0.0	0.0	0.0
8-01	1	18.0	0.0	0.0	0.0
8-05	1	18.0	0.0	0.0	0.0
8-09	1	25.0	0.0	0.0	0.0
8-14	4 or more bedrooms	127.0	0.0	0.0	0.0
9-04	1	18.0	0.0	0.0	0.0
9-08	1	25.0	0.0	0.0	0.0
9-12	1	28.0	0.0	0.0	0.0
UG02	1	19.0	0.0	0.0	0.0
UG06	1	20.0	0.0	0.0	0.0
UG10	1	20.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
7-12	1	28.0	0.0	0.0	0.0
7-16	1	22.0	0.0	0.0	0.0
7-20	1	28.0	0.0	0.0	0.0
8-02	1	18.0	0.0	0.0	0.0
8-06	4 or more bedrooms	131.0	0.0	0.0	0.0
8-10	1	18.0	0.0	0.0	0.0
9-01	1	18.0	0.0	0.0	0.0
9-05	1	18.0	0.0	0.0	0.0
9-09	1	25.0	0.0	0.0	0.0
9-13	1	18.0	0.0	0.0	0.0
UG03	1	19.0	0.0	0.0	0.0
UG07	1	20.0	0.0	0.0	0.0
UG11	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
7-13	1	18.0	0.0	0.0	0.0
7-17	1	22.0	0.0	0.0	0.0
7-21	1	18.0	0.0	0.0	0.0
8-03	1	18.0	0.0	0.0	0.0
8-07	1	25.0	0.0	0.0	0.0
8-11	1	18.0	0.0	0.0	0.0
9-02	1	18.0	0.0	0.0	0.0
9-06	4 or more bedrooms	131.0	0.0	0.0	0.0
9-10	1	18.0	0.0	0.0	0.0
9-14	4 or more bedrooms	127.0	0.0	0.0	0.0
UG04	1	19.0	0.0	0.0	0.0
UG08	1	20.0	0.0	0.0	0.0
UG12	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
7-14	1	22.0	0.0	0.0	0.0
7-18	1	18.0	0.0	0.0	0.0
7-22	4 or more bedrooms	127.0	0.0	0.0	0.0
8-04	1	18.0	0.0	0.0	0.0
8-08	1	25.0	0.0	0.0	0.0
8-13	1	18.0	0.0	0.0	0.0
9-03	1	18.0	0.0	0.0	0.0
9-07	1	25.0	0.0	0.0	0.0
9-11	1	18.0	0.0	0.0	0.0
UG01	1	19.0	0.0	0.0	0.0
UG05	1	20.0	0.0	0.0	0.0
UG09	1	20.0	0.0	0.0	0.0
UG13	1	145.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
UG14	4 or more bedrooms	133.0	0.0	0.0	0.0
UG18	1	22.0	0.0	0.0	0.0
10-01	1	18.0	0.0	0.0	0.0
10-05	4 or more bedrooms	131.0	0.0	0.0	0.0
10-09	1	18.0	0.0	0.0	0.0
10-13	4 or more bedrooms	127.0	0.0	0.0	0.0
11-04	1	18.0	0.0	0.0	0.0
11-08	1	25.0	0.0	0.0	0.0
11-12	1	28.0	0.0	0.0	0.0
12-02	1	18.0	0.0	0.0	0.0
12-06	4 or more bedrooms	133.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
UG15	1	18.0	0.0	0.0	0.0
UG19	1	22.0	0.0	0.0	0.0
10-02	1	18.0	0.0	0.0	0.0
10-06	1	25.0	0.0	0.0	0.0
10-10	1	18.0	0.0	0.0	0.0
11-01	1	18.0	0.0	0.0	0.0
11-05	1	18.0	0.0	0.0	0.0
11-09	1	25.0	0.0	0.0	0.0
11-13	1	18.0	0.0	0.0	0.0
12-03	1	18.0	0.0	0.0	0.0
12-07	1	25.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
UG16	1	18.0	0.0	0.0	0.0
UG20	1	22.0	0.0	0.0	0.0
10-03	1	18.0	0.0	0.0	0.0
10-07	1	25.0	0.0	0.0	0.0
10-11	1	28.0	0.0	0.0	0.0
11-02	1	18.0	0.0	0.0	0.0
11-06	4 or more bedrooms	133.0	0.0	0.0	0.0
11-10	1	18.0	0.0	0.0	0.0
11-14	4 or more bedrooms	127.0	0.0	0.0	0.0
12-04	1	18.0	0.0	0.0	0.0
12-08	1	25.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
UG17	1	18.0	0.0	0.0	0.0
UG21	1	22.0	0.0	0.0	0.0
10-04	1	18.0	0.0	0.0	0.0
10-08	1	25.0	0.0	0.0	0.0
10-12	1	18.0	0.0	0.0	0.0
11-03	1	18.0	0.0	0.0	0.0
11-07	1	25.0	0.0	0.0	0.0
11-11	1	18.0	0.0	0.0	0.0
12-01	1	18.0	0.0	0.0	0.0
12-05	1	18.0	0.0	0.0	0.0
12-09	1	25.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
12-10	1	18.0	0.0	0.0	0.0
13-01	1	18.0	0.0	0.0	0.0
13-05	1	18.0	0.0	0.0	0.0
13-09	1	25.0	0.0	0.0	0.0
13-13	1	18.0	0.0	0.0	0.0
14-03	1	18.0	0.0	0.0	0.0
14-07	1	25.0	0.0	0.0	0.0
14-11	1	18.0	0.0	0.0	0.0
15-01	1	21.0	0.0	0.0	0.0
15-05	1	18.0	0.0	0.0	0.0
15-09	1	25.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
12-11	1	18.0	0.0	0.0	0.0
13-02	1	18.0	0.0	0.0	0.0
13-06	4 or more bedrooms	133.0	0.0	0.0	0.0
13-10	1	18.0	0.0	0.0	0.0
13-14	4 or more bedrooms	127.0	0.0	0.0	0.0
14-04	1	18.0	0.0	0.0	0.0
14-08	1	25.0	0.0	0.0	0.0
14-12	1	28.0	0.0	0.0	0.0
15-02	1	18.0	0.0	0.0	0.0
15-06	4 or more bedrooms	133.0	0.0	0.0	0.0
15-10	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
12-13	1	18.0	0.0	0.0	0.0
13-03	1	18.0	0.0	0.0	0.0
13-07	1	25.0	0.0	0.0	0.0
13-11	1	18.0	0.0	0.0	0.0
14-01	1	18.0	0.0	0.0	0.0
14-05	1	18.0	0.0	0.0	0.0
14-09	1	25.0	0.0	0.0	0.0
14-13	1	18.0	0.0	0.0	0.0
15-03	1	18.0	0.0	0.0	0.0
15-07	1	25.0	0.0	0.0	0.0
15-11	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
12-14	4 or more bedrooms	127.0	0.0	0.0	0.0
13-04	1	18.0	0.0	0.0	0.0
13-08	1	25.0	0.0	0.0	0.0
13-12	1	28.0	0.0	0.0	0.0
14-02	1	18.0	0.0	0.0	0.0
14-06	4 or more bedrooms	133.0	0.0	0.0	0.0
14-10	1	18.0	0.0	0.0	0.0
14-14	4 or more bedrooms	127.0	0.0	0.0	0.0
15-04	1	18.0	0.0	0.0	0.0
15-08	1	25.0	0.0	0.0	0.0
15-13	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
15-14	4 or more bedrooms	127.0	0.0	0.0	0.0
16-04	1	18.0	0.0	0.0	0.0
16-08	1	25.0	0.0	0.0	0.0
16-12	1	28.0	0.0	0.0	0.0
17-02	1	18.0	0.0	0.0	0.0
17-06	4 or more bedrooms	133.0	0.0	0.0	0.0
17-10	1	18.0	0.0	0.0	0.0
18-01	1	18.0	0.0	0.0	0.0
18-05	4 or more bedrooms	133.0	0.0	0.0	0.0
18-09	1	28.0	0.0	0.0	0.0
19-02	1	18.0	0.0	0.0	0.0
19-06	1	25.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
16-01	1	18.0	0.0	0.0	0.0
16-05	1	18.0	0.0	0.0	0.0
16-09	1	25.0	0.0	0.0	0.0
16-13	1	18.0	0.0	0.0	0.0
17-03	1	18.0	0.0	0.0	0.0
17-07	1	25.0	0.0	0.0	0.0
17-11	1	18.0	0.0	0.0	0.0
18-02	1	18.0	0.0	0.0	0.0
18-06	1	25.0	0.0	0.0	0.0
18-10	1	18.0	0.0	0.0	0.0
19-03	1	18.0	0.0	0.0	0.0
19-07	1	25.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
16-02	1	18.0	0.0	0.0	0.0
16-06	4 or more bedrooms	133.0	0.0	0.0	0.0
16-10	1	18.0	0.0	0.0	0.0
16-14	4 or more bedrooms	127.0	0.0	0.0	0.0
17-04	1	18.0	0.0	0.0	0.0
17-08	1	25.0	0.0	0.0	0.0
17-12	1	28.0	0.0	0.0	0.0
18-03	1	18.0	0.0	0.0	0.0
18-07	1	25.0	0.0	0.0	0.0
18-11	1	18.5	0.0	0.0	0.0
19-04	1	18.0	0.0	0.0	0.0
19-08	1	25.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
16-03	1	18.0	0.0	0.0	0.0
16-07	1	25.0	0.0	0.0	0.0
16-11	1	18.0	0.0	0.0	0.0
17-01	1	18.0	0.0	0.0	0.0
17-05	1	18.0	0.0	0.0	0.0
17-09	1	25.0	0.0	0.0	0.0
17-13	1	18.0	0.0	0.0	0.0
18-04	1	18.0	0.0	0.0	0.0
18-08	1	25.0	0.0	0.0	0.0
19-01	1	18.0	0.0	0.0	0.0
19-05	4 or more bedrooms	133.0	0.0	0.0	0.0
19-09	1	28.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
19-10	1	18.0	0.0	0.0	0.0
20-03	1	18.0	0.0	0.0	0.0
20-07	1	25.0	0.0	0.0	0.0
20-11	1	18.5	0.0	0.0	0.0
21-04	1	28.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
19-11	1	18.5	0.0	0.0	0.0
20-04	1	18.0	0.0	0.0	0.0
20-08	1	25.0	0.0	0.0	0.0
21-01	1	25.0	0.0	0.0	0.0
21-05	1	18.0	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
20-01	1	18.0	0.0	0.0	0.0
20-05	4 or more bedrooms	133.0	0.0	0.0	0.0
20-09	1	28.0	0.0	0.0	0.0
21-02	1	25.0	0.0	0.0	0.0
21-06	1	18.5	0.0	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m <sup>2</sup> )	Unconditioned floor area (m <sup>2</sup> )	Area of garden & lawn (m <sup>2</sup> )	Indigenous species (min area m <sup>2</sup> )
20-02	1	18.0	0.0	0.0	0.0
20-06	1	25.0	0.0	0.0	0.0
20-10	1	18.0	0.0	0.0	0.0
21-03	1	25.0	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 - Building1

Common area	Floor area (m <sup>2</sup> )
Gym	56.0
Lift car (No.3)	-
Other Communal Areas	743.0

Common area	Floor area (m <sup>2</sup> )
Lift car (No.1)	-
TV/Games	221.0
Hallway/Corridor	2623.0

Common area	Floor area (m <sup>2</sup> )
Lift car (No.2)	-
Cinema	41.0
Upper Ground Hallway	227.0



# Schedule of BASIX commitments

## 1. Commitments for Residential flat buildings - Building1

### (a) Dwellings

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

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

- (i) Water
- (ii) Energy

## 2. Commitments for multi-dwelling houses

## 3. Commitments for single dwelling houses

## 4. 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 - Building1

#### (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: <ul style="list-style-type: none"> <li>(aa) a hot water diversion system to all showers, kitchen sinks and all basins in the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below; and</li> <li>(bb) a separate diversion tank (or tanks) connected to the hot water diversion systems of at least 100 litres. The applicant must connect the hot water diversion tank to all toilets in the dwelling.</li> </ul>		✓ ✓	✓ ✓
(e) The applicant must not install a private swimming pool or spa for the dwelling, with a volume exceeding that specified for it in the table below.	✓	✓	
(f) If specified in the table, that pool or spa (or both) must have a pool cover or shading (or both).		✓	
(g) The pool or spa must be located as specified in the table.	✓	✓	
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in the table below. Each system must be configured to collect run-off from the areas specified (excluding any area which supplies any other alternative water supply system), and to divert overflow as specified. Each system must be connected as specified.	✓	✓	✓

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

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.		✓	✓

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

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

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
1-15, 1-16, 2-05, 2-08, 2-20, 3-08, 3-20, 4-06, 4-21, 5-06, 5-09, 5-21, 6-09, 6-21, 7-06, 7-22, 8-06, 8-14, 9-06, 9-14, UG14, 10-05, 10-13, 11-06, 11-14, 12-06, 12-14, 13-06, 13-14, 14-06, 14-14, 15-06, 15-14, 16-06, 16-14, 17-06, 18-05, 19-05, 20-05	central cooling system 1	central cooling system 1	central heating system 1	central heating system 1	5 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	-

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	central cooling system 1	central cooling system 1	central heating system 1	central heating system 1	1 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	-

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	-	-	-	-	electric cooktop & electric oven	2 star (new rating)	-	-	no washing machine taps	-	-	-

(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.		✔	

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

<b>Thermal loads</b>		
<b>Dwelling no.</b>	<b>Area adjusted heating load (in mJ/m<sup>2</sup>/yr)</b>	<b>Area adjusted cooling load (in mJ/m<sup>2</sup>/yr)</b>
1-15	4.5	27.8
1-24	24.9	8.1
1-25	28.2	8.2
2-07	13.3	19.7
6-08	11.2	24.5
7-08	6.7	18.4
7-09	4.3	1.0
7-10	4.9	6.2
7-11	5.7	7.5
7-12	2.5	8.1
7-13	5.6	7.9
UG01	3.0	27.8
UG10	12.5	23.6
UG13	4.9	28.3
20-05	8.6	23.0

Dwelling no.	Thermal loads	
	Area adjusted heating load (in mJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in mJ/m <sup>2</sup> /yr)
21-01	3.3	21.3
21-02	2.1	21.6
21-03	4.8	20.8
21-04	33.0	7.4
21-05	30.6	15.8
21-06	17.4	13.9
1-01, UG11	10.0	22.4
1-04, 1-12	2.3	19.3
6-01, 15-01	17.6	24.1
3-07, 4-08, 5-08	4.8	9.9
UG02, UG03, UG04	7.3	28.5
18-09, 19-09, 20-09	30.2	9.0
18-10, 19-10, 20-10	29.7	20.2
18-11, 19-11, 20-11	25.4	19.5
2-01, 2-02, 2-03, 2-04, 2-06	9.4	20.5
UG05, UG06, UG07, UG08, UG09	6.3	21.6
7-07, 20-01, 20-02, 20-03, 20-04	2.6	8.3
1-16, 2-08, 3-08, 4-09, 5-09, 6-09, UG14	6.2	28.1
1-17, 2-09, 3-09, 4-10, 5-10, 6-10, UG15	7.0	9.5
1-18, 2-10, 3-10, 4-11, 5-11, 6-11, UG16	2.9	10.0
1-19, 2-11, 3-11, 4-12, 5-12, 6-12, UG17	6.9	10.5
1-20, 2-12, 3-12, 4-13, 5-13, 6-13, 7-14, UG18	22.5	7.5
1-23, 2-15, 3-15, 4-16, 5-16, 6-16, 7-17, UG21	24.3	7.6



Dwelling no.	Thermal loads	
	Area adjusted heating load (in mJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in mJ/m <sup>2</sup> /yr)
2-05, 3-05, 4-06, 5-06, 6-06, 7-06, 8-06, 9-06, 10-05	3.5	28.0
11-06, 12-06, 13-06, 14-06, 15-06, 16-06, 17-06, 18-05, 19-05	5.6	26.6
1-02, 1-03, 1-05, 1-06, 1-07, 1-08, 1-09, 1-10, 1-11, 1-13, 1-14, UG12	5.3	21.8
4-01, 5-01, 7-01, 8-01, 9-01, 11-01, 12-01, 13-01, 14-01, 16-01, 17-01	7.3	10.9
8-09, 9-09, 10-08, 11-09, 12-09, 13-09, 14-09, 15-09, 16-09, 17-09, 18-08, 19-08, 20-08	5.0	24.6
1-26, 2-18, 3-18, 4-19, 5-19, 6-19, 7-20, 9-12, 10-11, 11-12, 13-12, 14-12, 16-12, 17-12	2.8	8.3
1-21, 1-22, 2-13, 2-14, 3-13, 3-14, 4-14, 4-15, 5-14, 5-15, 6-14, 6-15, 7-15, 7-16, UG19, UG20	19.2	7.4
2-20, 3-20, 4-21, 5-21, 6-21, 7-22, 8-14, 9-14, 10-13, 11-14, 12-14, 13-14, 14-14, 15-14, 16-14	8.0	27.1
2-16, 3-16, 4-17, 5-17, 6-17, 7-18, 8-10, 9-10, 10-09, 11-10, 12-10, 13-10, 14-10, 15-10, 16-10, 17-10	25.3	8.5
2-17, 3-17, 4-18, 5-18, 6-18, 7-19, 8-11, 9-11, 10-10, 11-11, 12-11, 13-11, 14-11, 15-11, 16-11, 17-11	28.7	7.8
1-27, 2-19, 3-19, 4-20, 5-20, 6-20, 7-21, 8-13, 9-13, 10-12, 11-13, 12-13, 13-13, 14-13, 15-13, 16-13, 17-13	7.6	9.7

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m <sup>2</sup> /yr)	Area adjusted cooling load (in mJ/m <sup>2</sup> /yr)
8-07, 8-08, 9-07, 9-08, 10-06, 10-07, 11-07, 11-08, 12-07, 12-08, 13-07, 13-08, 14-07, 14-08, 15-07, 15-08, 16-07, 16-08, 17-07, 17-08, 18-06, 18-07, 19-06, 19-07, 20-06, 20-07	2.4	25.4
All other dwellings	3.0	10.2

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

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

<b>Common area</b>	<b>Showerheads rating</b>	<b>Toilets rating</b>	<b>Taps rating</b>	<b>Clothes washers rating</b>
All common areas	3 star (> 4.5 but ≤ 6 L/min)	4 star	4 star	3 star

<b>Central systems</b>	<b>Size</b>	<b>Configuration</b>	<b>Connection (to allow for...)</b>
Fire sprinkler system (No. 1)	-	-	-

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

(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
Gym	air conditioning system	time clock or BMS controlled	compact fluorescent	daylight sensors	Yes
Lift car (No.1)	-	-	compact fluorescent	connected to lift call button	Yes
Lift car (No.2)	-	-	compact fluorescent	connected to lift call button	Yes
Lift car (No.3)	-	-	compact fluorescent	connected to lift call button	Yes
TV/Games	air conditioning system	time clock or BMS controlled	compact fluorescent	daylight sensor and motion sensor	Yes
Cinema	air conditioning system	time clock or BMS controlled	compact fluorescent	daylight sensor and motion sensor	Yes
Other Communal Areas	air conditioning system	time clock or BMS controlled	compact fluorescent	daylight sensor and motion sensor	Yes
Hallway/Corridor	no mechanical ventilation	-	compact fluorescent	daylight sensor and motion sensor	Yes
Upper Ground Hallway	air conditioning system	time clock or BMS controlled	compact fluorescent	daylight sensor and motion sensor	Yes

Central energy systems	Type	Specification
Central hot water system (No. 1)	gas instantaneous	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.3 (~13 mm); (b) Piping internal to building: R0.3 (~13 mm)

Central energy systems	Type	Specification
Central cooling system (No. 1)	variable refrigerant volume units	Energy source: gas driven compressor Heat rejection method: air cooled condenser Unit efficiency (min): low - COP < 0.9
Central heating system (No. 1)	variable refrigerant volume units	Energy source: gas driven compressor + air sourced evaporator Unit efficiency: low - COP < 1.2
Lift (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 23
Lift (No. 2)	gearless traction with V V V F motor	Number of levels (including basement): 23
Lift (No. 3)	gearless traction with V V V F motor	Number of levels (including basement): 23

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

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

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	3 star (> 4.5 but ≤ 6 L/min)	4 star	4 star	3 star

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

Central energy systems	Type	Specification
Other	Building management system 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).