



Revised BASIX Report

Bankstown Compass Centre, Bankstown, NSW 2200
Sustainability Services

Prepared for:

Fioson Pty Ltd

Prepared by:

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Project No. 28397-SYD-G

G_RE_BASIX_004

Date:

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Revision

REVISION	DATE	COMMENT	APPROVED BY
4	17/10/2016	DA Issue	NCJ
3	30/09/2016	For Coordination	ALK
2	01/03/2016	DA Issue	NCJ
1	15/02/2016	Preliminary for Client Review	NCJ
0	13/10/2015	Preliminary for Client Review	NCJ

Qualifications to this Report

The following qualifications apply to this report:

- Information has been based on our understanding of the proposed building and documentation provided, as noted.
- This report outlines the scope of works required for BASIX compliance only. Additional requirements such as civil/stormwater, façade design and/or acoustic requirements should be coordinated with the relevant design consultants.
- As this project involves no detailed design or site supervision by Wood & Grieve Engineers, we advise that we will not prepare a Safety in Design report for this project. As detailed in our scope of work we will review the Safety in Design report prepared by the project designer and make comment as appropriate. We confirm that the responsibility for complying with the requirements of the state OS&H legislation remains with the project designer in conjunction with the project team and the client.

Disclaimer

The energy models prepared for BASIX thermal comfort compliance provides an estimate of the base building's energy performance. This estimate is based on a necessarily simplified and idealised version of the building that does not and cannot fully represent all of the intricacies of the building and its operation. As a result, the energy model results only represent an interpretation of the potential performance of the building. No guarantee or warrantee of building performance in practice can be based on energy modelling results alone.

**PREPARED BY:
ENGINEER**



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Sustainability Section Manager / Project Engineer

REVISION

Executive Summary

In summary, we can confirm the following outcome of the BASIX analysis:

- It has been determined that the proposed buildings have achieved a BASIX Certification with the following scores:
 - Water: 62% (Required target: 60%)
 - Thermal Comfort: pass (Required target: pass)
 - Energy: 30% (Required target: 30%)
- A formal BASIX certificate has been attached in Appendix B.
- Further information regarding the thermal comfort and building fabric specification has been outlined within Section 3.0 (Design Specification) of this report. Note this specification detail forms the basis of BASIX compliance and therefore must be documented within the project design/specification in order to achieve CC approval.
- Our assessment works have been conducted based on the Architectural Plans drawings issued, 09 September, 2016 and prepared by H3 Architects.

Bankstown Compass Centre

1.0 Introduction

Wood and Grieve Engineers have completed a Building Sustainability Index (BASIX) assessment for the proposed multi-unit residential development located at Bankstown Compass Centre (83-99 North Terrace and 62 The Mall, Bankstown, NSW, 2200). Based on information provided to date and the nominated architectural drawings (09 September 2016) the following outcome has been achieved:

- Water: 62% (Required target: 60%)
- Thermal Comfort: pass (Required target: pass)
- Energy: 30% (Required target: 30%)

Design Target

Based on the relevant Local Environmental Plan, Development Control Plan (DCP) – Canterbury-Bankstown Council and the NSW Apartment Design Guide (formerly SEPP65), we understand that the project is required to demonstrate BASIX compliance in support of the application development approval (Class 2 Multi-unit residential dwellings).

In accordance with LEP, the dwellings must meet the following requirements:

- The energy target is a minimum 10-point increase in the BASIX score compared to current requirements (current target is 20% with an increase of 10 points for a total of 30%;
- The water target is a minimum BASIX 60%.

Building Sustainability Index (BASIX)

BASIX is implemented under the Environmental Planning and Assessment Act and applies to all residential dwelling types within NSW. BASIX forms both part of the development application and building certification process within the state of NSW.

BASIX sets water and greenhouse gas reduction targets relative to the NSW average benchmark for per person potable water consumption & greenhouse gas emissions within the residential sector. BASIX also sets the minimum performance levels for thermal comfort of the dwelling and replaces the NCC Energy Efficiency benchmarks within the state of NSW. Thermal comfort levels are assessed via a simulation method in accordance with the NatHERS House Energy Rating protocol.

Development Overview

The proposed development includes:

- A maximum of 471 new residential dwellings based on the Architectural plans referenced in this report.
- A total of 516 residential car parking spaces

Bankstown Compass Centre

2.0 Thermal Comfort Design Assessment

The thermal comfort aspect of this assessment was conducted using the FirstRate5 Thermal Performance Assessment Software, which assesses the thermal performance of a Class 1 or Class 2 dwelling in accordance with the requirements of National House Energy Rating Scheme (NatHERS) scheme as stated in the BASIX Thermal Comfort Protocol.

Compliance requires that the average area adjusted heating and cooling loads are below or equal to the average area adjusted heating and cooling loads calculated by BASIX. In addition, individual dwellings must also meet descriptive targets as defined by BASIX.

Based on the information received to date, the development average area adjusted heating and cooling loads were found to be as noted in the table below.

Bankstown Compass Centre	Heating Load (MJ/m ² /year)	Cooling Load (MJ/m ² /year)
BASIX Maximum Average	50.9	44.9
Development Average	49.0	19.0

Note: Full summary of NatHERS Thermal Performance Results is attached within Appendix A.

Energy Modelling Software

Thermal comfort compliance has been demonstrated via the simulation method within BASIX. Wood & Grieve Engineers have conducted energy simulations utilising FirstRate5 software (Version 5.1.11c) which is approved under the BASIX Thermal Comfort Protocol (February 2016).

Energy Modelling Limitations

The energy modelling results obtained from the FirstRate5 software provides an estimate of the base building energy performance only. This estimate is based upon a simplified and idealised version of the building that does not fully comply with the intricacies of a building and its operation. As a result the energy mode represents an interpretation of the potential building performance only. Several dependent factors will affect the actual operational performance of the building, including local climate variation, building occupant behaviour, construction technique and building services commissioning. No guarantee or warrantee of building performance in practice can be based on energy modelling results alone.

Bankstown Compass Centre

Design Documentation

The following assessment is based on all architectural drawings received from H3 Architects, dated 09 September 2016 and associated design notes, including:

- DA-1.01 Basement 02
- DA-1.02 Basement 01
- DA-1.03 Ground Floor Plan
- DA-1.04 Level 1 Floor Plan
- DA-1.05 Level 2 Floor Plan
- DA-1.06 Level 3 Floor Plan
- DA-1.07 Level 4 Floor Plan
- DA-1.08 Level 5 Floor Plan
- DA-1.09 Level 6 Floor Plan
- DA-1.10 Level 7 Floor Plan
- DA-1.11 Level 8 Floor Plan
- DA-1.12 Level 9 Floor Plan
- DA-1.13 Level 10 Floor Plan
- DA-1.14 Level 11 Floor Plan
- DA-1.15 Level 12 Floor Plan
- DA-1.16 Level 13 Floor Plan
- DA-1.17 Level 14 Floor Plan
- DA-1.18 Level 15 Floor Plan
- DA-1.19 Level 16 Floor Plan
- DA-1.20 Level 17 Floor Plan
- DA-1.21 Level 18 Floor Plan
- DA-1.22 Level 19 Floor Plan
- DA-1.23 Level 20 Floor Plan
- DA-1.24 Level 21 Floor Plan
- DA-1.25 Level 22 Floor Plan
- DA-1.26 Level 23 Floor Plan
- DA-1.27 Level 24 Floor Plan
- DA-1.28 Level Roof Plan

Notes:

1. ***Changes to the design drawings and specifications will affect the outcome of this assessment and potentially the certification of the proposed building works. Any changes nominated by the design team are to be immediately communicated to Wood & Grieve Engineers as it may affect the outcome of the BASIX Compliance. We recommend any design changes be reviewed and approved prior to documentation.***

3.0 Design Specification

BASIX Compliant Design Specification

<u>Design Specification:</u>
<u>External Walls:</u> A minimum of R2.5 insulation added to Concrete Block Walls to give a total R-Value of R2.8.
<u>Walls to internal Corridor:</u> A minimum of R1.5 insulation added to partition walls between apartments, and corridors or non-conditioned internal zones to give a total R-Value of R1.8.
<u>Internal Walls to Adjoining Apartment:</u> As the adjoining apartment is considered a conditioned space there is no thermal insulation requirement for this wall. Therefore the insulation to this wall shall be as per acoustic requirements.
<u>Ceilings:</u> We have assumed floor to ceiling heights as indicated on the architectural drawings received (2800mm).
<u>Roof Type:</u> A minimum of R3.0 insulation to be added to all apartments below roof or where there is an exposed concrete terrace/balcony area above (total R-value R3.2).
<u>Suspended Floor Slabs:</u> Add R1.0 insulation to underside of suspended concrete slabs for floor levels between conditioned and internal non-conditioned spaces (i.e. carpark or plant room below).
<u>Exposed Floor Slabs</u> Add R2.0 insulation to underside of exposed floor slabs floor between conditioned and non-conditioned spaces (i.e. balcony zones or open spaces) below.
<u>Windows</u> Fixed Glazing and Operable Windows: The following apartments require the glazing specification of U-Value of 4.45 W/m².K and an SHGC of 0.59 (SGU, Clear, Low-E) <ul style="list-style-type: none">• Building A – All apartment '01s' from Level 4 to Level 18;• Building B – All apartment '06s' from Level 17 to Level 23; All apartment '02s' from Level 18 to 22; and B1707, B2201, B2301, B2303;• Building C –All apartment '07s' from Level 2 to Level 14; All apartment '06s' from Level 14 to Level 17; and C206, C306;• Building D – All apartment '08s' from Level 4 to Level 19; All apartment '03s' from Level 10 to Level 19; and D301, D403, D2002 The remaining apartments require the general specification of specification U-Value of 6.07 W/m².K and an SHGC of 0.65 (6mm Clear) All windows have been specified with weather-strips to prevent air infiltration when closed. This is standard compliance with AS2047.

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Design Specification:

Note: The thermal performance values for all windows detailed above are for glass and framing system combined.

Floor Coverings

The following design specifications have been included within the NatHERS Assessments:

Carpet to all bedrooms; and

Ceramic tiles to the living spaces, bathrooms/wet areas.

Air Leakage

Kitchen Exhaust will be via recirculating range hoods.

All bathrooms and ensuites exhaust to be via a ducted exhaust fan to external façade or roof.

Back-draft dampers must be installed to prevent air infiltration.

Alternative Water Supply

A central on-site recycled water supply system with a capacity to supply a minimum of **100,000L/day** has been included within the project design and is required in order to satisfy the project potable water demand reduction targets for the proposed development.

Note: Recycled water shall only be used for landscape irrigation, car wash bays, toilet flushing and laundry only.

Please note that the Preliminary BASIX report is based on the conceptual landscaping design and final detail specifications may impact the outcome of the Water Target results.

For stormwater requirements, please refer to the Civil Engineer's detailed specifications.

Hot Water System

A centralised hot water system (gas-fired storage - manifold) has been specified within the BASIX Certificate.

Domestic Hot Water pipework is required to have minimum R1.0 insulation as per NCC requirements.

It should be noted that a less efficient hot water system will affect the rating of the BASIX Water Target.

Mechanical Ventilation Systems:

Common Areas:

Car park – Mechanical Supply & Exhaust with carbon monoxide monitor + VSD fan

Garbage Rooms – Ventilation Exhaust Only

Comm. Rooms, Plant/Service Rooms – Ventilation Supply or Exhaust (thermostatically controlled)

Corridors /Fire Stairs – No mechanical ventilation

Dwelling Air-Conditioning Systems:

Reverse cycle air-conditioning (Single Phase) for all dwellings (living zones).

Minimum EER ratings – Cooling 3.5-4.0, Heating 3.5-4.0

Lighting:

Common Areas:

Compact Fluorescent or LED lighting with motion sensor or time-clock control.

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Design Specification:

Dwellings:

Dedicated Fluorescent or LED Lamps.

Appliance Specifications:

The following minimum energy performance specifications have been included within the BASIX assessment:

Energy Star Ratings:

Gas cooktop and electric ovens to all dwellings.

Dishwasher – 4 stars

Clothes Dryer – 3 stars

Clothes Washer – 4 Stars

Compliance Note: A reduction in the quality of any of these appliances will affect the energy aspect of the BASIX rating. Client to confirm which appliances are to be included within base-building design.

Fixtures & Fittings:

We note that fixtures with the following WELS ratings have been included in the BASIX Assessment:

Common Areas (as applicable) & all dwellings:

3 Star WELS rated Showerheads (>6.0 but ≤ 7.5 l/min)

4 Star WELS Toilets

3 Star WELS Kitchen taps

3 Star WELS Bathroom taps

Dishwasher – not specified

Clothes Washer – not specified

We note a reduction in the quality of these appliances will affect the water aspect of the BASIX rating.

Bankstown Compass Centre

4.0 BASIX Certification Detail

Project Summary	
Project Name	Bankstown Compass Centre
Street Address	83-99 North Terrace Bankstown and 62 The Mall Bankstown
Local Government Area	Bankstown City Council
Plan Type / Number	DP5541
Lot No#	22
Section No#	-
No. of Residential Buildings	4
No. of units in Residential Flat Buildings	471
No. of multi-dwelling houses	0
No. of single dwelling houses	0
BASIX Certificate No#	673380M_03
Project Score	
Water	62%
Thermal Comfort	Pass
Energy	30%

Appendix A – Thermal Comfort Results

Bankstown Compass Centre

First Rate Energy Rating Assessment

JOB NO. 28397-SYD-G (Building A)
Rev 0

CLIMATE ZONE
56

AVERAGE ENERGY INTENSITY (MJ/m ²)	AVERAGE STAR RATING	MINIMUM STAR RATING
65.0	5.1	3.6

Level	Apt No.	Apt Type	Bedrooms	A/C Area (m ²)	Non A/C Area (m ²)	Heating - MJ/m ²	Cooling - MJ/m ²	Energy Rating - MJ/m ²
A-04	A0401	A_P	3	95.1	4.4	52.50	18.60	71.1
	A0402	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A0403	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A0405	A_K_ROT_SIDE	2	73.5	2.5	26.90	12.20	39.1
	A0406	A_O	2	73.3	4.8	34.70	22.60	57.3
	A0407	A_K_V_ROT	2	73.5	2.5	35.00	19.60	54.6
A-05	A0501	A_P	3	95.1	4.4	52.50	18.60	71.1
	A0502	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A0503	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A0505	A_K_ROT_SIDE	2	73.5	2.5	26.90	12.20	39.1
	A0506	A_O	2	73.3	4.8	34.70	22.60	57.3
	A0507	A_K_V_ROT	2	73.5	2.5	35.00	19.60	54.6
A-06	A0601	A_P	3	95.1	4.4	52.50	18.60	71.1
	A0602	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A0603	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A0605	A_K_ROT_SIDE	2	73.5	2.5	26.90	12.20	39.1
	A0606	A_O	2	73.3	4.8	34.70	22.60	57.3
	A0607	A_K_V_ROT	2	73.5	2.5	35.00	19.60	54.6
A-07	A0701	A_P	3	95.1	4.4	52.50	18.60	71.1
	A0702	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A0703	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A0705	A_K_ROT_SIDE	2	73.5	2.5	26.90	12.20	39.1
	A0706	A_O	2	73.3	4.8	34.70	22.60	57.3
	A0707	A_K_V_ROT	2	73.5	2.5	35.00	19.60	54.6
A-08	A0801	A_P	3	95.1	4.4	52.50	18.60	71.1
	A0802	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A0803	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A0805	A_K_ROT_SIDE	2	73.5	2.5	26.90	12.20	39.1
	A0806	A_O	2	73.3	4.8	34.70	22.60	57.3
	A0807	A_K_V_ROT	2	73.5	2.5	35.00	19.60	54.6
A-09	A0901	A_P_P	3	95.1	4.4	56.00	17.00	73.0
	A0902	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A0903	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A0905	A_K_ROT_SIDE_P	2	73.5	2.5	30.50	11.90	42.4
	A0906	A_O_P	2	73.3	4.8	45.30	21.30	66.6
	A0907	A_K_V_ROT_R	2	73.5	2.5	48.80	18.50	67.3
A-10	A1001	A_R_F	3	99.7	2.6	52.50	32.80	85.3
	A1002	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A1003	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A1005	A_S	4	105.1	2.7	55.00	26.30	81.3
A-11	A1101	A_R	3	99.7	2.6	52.60	32.90	85.5
	A1102	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A1103	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A1105	A_S	4	105.1	2.7	55.00	26.30	81.3
A-12	A1201	A_R	3	99.7	2.6	52.60	32.90	85.5
	A1202	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A1203	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A1205	A_S	4	105.1	2.7	55.00	26.30	81.3
A-13	A1301	A_R	3	99.7	2.6	52.60	32.90	85.5
	A1302	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A1303	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A1305	A_S	4	105.1	2.7	55.00	26.30	81.3
A-14	A1401	A_R	3	99.7	2.6	52.60	32.90	85.5
	A1402	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A1403	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A1405	A_S	4	105.1	2.7	55.00	26.30	81.3
A-15	A1501	A_R	3	99.7	2.6	52.60	32.90	85.5
	A1502	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A1503	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A1505	A_S	4	105.1	2.7	55.00	26.30	81.3
A-16	A1601	A_R	3	99.7	2.6	52.60	32.90	85.5
	A1602	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A1603	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A1605	A_S	4	105.1	2.7	55.00	26.30	81.3
A-17	A1701	A_R	3	99.7	2.6	52.60	32.90	85.5
	A1702	A_Q	2	67.9	4.2	51.20	12.10	63.3
	A1703	A_K_ROT	2	73.5	2.5	32.90	13.50	46.4
	A1705	A_S	4	105.1	2.7	55.00	26.30	81.3
A-18	A1801	A_R_R	3	99.7	2.6	64.50	36.80	101.3
	A1802	A_Q_R	2	67.9	4.2	61.40	10.80	72.2
	A1803	A_K_ROT_R	2	73.5	2.5	44.30	12.20	56.5
	A1805	A_S_R	4	105.1	2.7	49.20	27.80	77.0

Bankstown Compass Centre

First Rate Energy Rating Assessment

JOB NO. 28397-SYD-G (Building B)
Rev 0

CLIMATE ZONE
56

AVERAGE ENERGY INTENSITY (MJ/m ²)	AVERAGE STAR RATING	MINIMUM STAR RATING
73.3	4.7	4.0

Level	Apt No.	Apt Type	Bedrooms	A/C Area (m ²)	Non A/C Area (m ²)	Heating - MJ/m ²	Cooling - MJ/m ²	Energy Rating - MJ/m ²
B-02	B0201	B_A	2	71.3	4.1	64.00	20.10	84.1
	B0202	B_L	2	69.2	3.9	62.10	19.70	81.8
	B0203	B_K	2	71.6	2.2	47.80	16.50	64.3
	B0205	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B0207	B_J_G	1	52.2	5.5	57.30	30.20	87.5
	B0208	B_B_G	1	48.5	5.9	46.30	32.80	79.1
	B0209	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
B-03	B0301	B_A	2	71.3	4.1	64.00	20.10	84.1
	B0302	B_L	2	69.2	3.9	62.10	19.70	81.8
	B0303	B_K	2	71.6	2.2	47.80	16.50	64.3
	B0305	B_B_V_SIDE	1	48.4	5.9	47.60	22.60	70.2
	B0307	B_J_SHADE	1	52.2	5.5	51.70	24.00	75.7
	B0308	B_B	1	48.5	5.9	42.50	22.90	65.4
	B0309	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
B-04	B0401	B_A	2	71.3	4.1	64.00	20.10	84.1
	B0402	B_L	2	69.2	3.9	62.10	19.70	81.8
	B0403	B_K	2	71.6	2.2	47.80	16.50	64.3
	B0405	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B0406	B_K_H_G	2	71.6	2.2	51.20	23.40	74.6
	B0407	B_J	1	52.2	5.5	58.10	22.60	80.7
	B0408	B_B	1	48.5	5.9	42.50	22.90	65.4
B-05	B0409	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
	B0501	B_A	2	71.3	4.1	64.00	20.10	84.1
	B0502	B_L	2	69.2	3.9	62.10	19.70	81.8
	B0503	B_K	2	71.6	2.2	47.80	16.50	64.3
	B0505	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B0506	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B0507	B_J	1	52.2	5.5	58.10	22.60	80.7
B-06	B0508	B_B	1	48.5	5.9	42.50	22.90	65.4
	B0509	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
	B0601	B_A	2	71.3	4.1	64.00	20.10	84.1
	B0602	B_L	2	69.2	3.9	62.10	19.70	81.8
	B0603	B_K	2	71.6	2.2	47.80	16.50	64.3
	B0605	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B0606	B_K_H	2	71.6	2.2	54.80	18.60	73.4
B-07	B0607	B_J	1	52.2	5.5	58.10	22.60	80.7
	B0608	B_B	1	48.5	5.9	42.50	22.90	65.4
	B0609	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
	B0701	B_A	2	71.3	4.1	64.00	20.10	84.1
	B0702	B_L	2	69.2	3.9	62.10	19.70	81.8
	B0703	B_K	2	71.6	2.2	47.80	16.50	64.3
	B0705	B_B_V	1	48.4	5.9	61.80	22.00	83.8
B-08	B0706	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B0707	B_J	1	52.2	5.5	58.10	22.60	80.7
	B0708	B_B	1	48.5	5.9	42.50	22.90	65.4
	B0709	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
	B0801	B_A	2	71.3	4.1	64.00	20.10	84.1
	B0802	B_L	2	69.2	3.9	62.10	19.70	81.8
	B0803	B_K	2	71.6	2.2	47.80	16.50	64.3
B-09	B0805	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B0806	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B0807	B_J	1	52.2	5.5	58.10	22.60	80.7
	B0808	B_B	1	48.5	5.9	42.50	22.90	65.4
	B0809	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
	B0901	B_A	2	71.3	4.1	64.00	20.10	84.1
	B0902	B_L	2	69.2	3.9	62.10	19.70	81.8
B-10	B0903	B_K	2	71.6	2.2	47.80	16.50	64.3
	B0905	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B0906	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B0907	B_J	1	52.2	5.5	58.10	22.60	80.7
	B0908	B_B	1	48.5	5.9	42.50	22.90	65.4
	B0909	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
	B1001	B_A	2	71.3	4.1	64.00	20.10	84.1
B-11	B1002	B_L	2	69.2	3.9	62.10	19.70	81.8
	B1003	B_K	2	71.6	2.2	47.80	16.50	64.3
	B1005	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B1006	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B1007	B_J	1	52.2	5.5	58.10	22.60	80.7
	B1008	B_B	1	48.5	5.9	42.50	22.90	65.4
	B1009	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
B-12	B1101	B_A	2	71.3	4.1	64.00	20.10	84.1
	B1102	B_L	2	69.2	3.9	62.10	19.70	81.8
	B1103	B_K	2	71.6	2.2	47.80	16.50	64.3
	B1105	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B1106	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B1107	B_J	1	52.2	5.5	58.10	22.60	80.7
	B1108	B_B	1	48.5	5.9	42.50	22.90	65.4
B-12	B1109	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
	B1201	B_A	2	71.3	4.1	64.00	20.10	84.1
	B1202	B_L	2	69.2	3.9	62.10	19.70	81.8
	B1203	B_K	2	71.6	2.2	47.80	16.50	64.3
	B1205	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B1206	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B1207	B_J	1	52.2	5.5	58.10	22.60	80.7
B-12	B1208	B_B	1	48.5	5.9	42.50	22.90	65.4
	B1209	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6

B-13	B1301	B_A	2	71.3	4.1	64.00	20.10	84.1
	B1302	B_L	2	69.2	3.9	62.10	19.70	81.8
	B1303	B_K	2	71.6	2.2	47.80	16.50	64.3
	B1305	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B1306	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B1307	B_J	1	52.2	5.5	58.10	22.60	80.7
	B1308	B_B	1	48.5	5.9	42.50	22.90	65.4
	B1309	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
B-14	B1401	B_A	2	71.3	4.1	64.00	20.10	84.1
	B1402	B_L	2	69.2	3.9	62.10	19.70	81.8
	B1403	B_K	2	71.6	2.2	47.80	16.50	64.3
	B1405	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B1406	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B1407	B_J	1	52.2	5.5	58.10	22.60	80.7
	B1408	B_B	1	48.5	5.9	42.50	22.90	65.4
	B1409	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
B-15	B1501	B_A	2	71.3	4.1	64.00	20.10	84.1
	B1502	B_L	2	69.2	3.9	62.10	19.70	81.8
	B1503	B_K	2	71.6	2.2	47.80	16.50	64.3
	B1505	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B1506	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B1507	B_J	1	52.2	5.5	58.10	22.60	80.7
	B1508	B_B	1	48.5	5.9	42.50	22.90	65.4
	B1509	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
B-16	B1601	B_A	2	71.3	4.1	64.00	20.10	84.1
	B1602	B_L	2	69.2	3.9	62.10	19.70	81.8
	B1603	B_K	2	71.6	2.2	47.80	16.50	64.3
	B1605	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B1606	B_K_H	2	71.6	2.2	54.80	18.60	73.4
	B1607	B_J	1	52.2	5.5	58.10	22.60	80.7
	B1608	B_B	1	48.5	5.9	42.50	22.90	65.4
	B1609	B_B_SIDE2	1	49.5	5.5	33.20	23.40	56.6
B-17	B1701	B_A	2	71.3	4.1	64.00	20.10	84.1
	B1702	B_L	2	69.2	3.9	62.10	19.70	81.8
	B1703	B_K	2	71.6	2.2	47.80	16.50	64.3
	B1705	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B1706	B_K_H_R	2	71.6	2.2	51.50	17.50	69.0
	B1707	B_J_R	1	52.2	5.5	45.20	20.20	65.4
	B1708	B_B_P	1	48.4	5.9	45.50	20.60	66.1
	B1709	B_B_SIDE2_P	1	49.5	5.5	38.10	20.30	58.4
B_18	B1801	B_A	2	71.3	4.1	64.00	20.10	84.1
	B1802	B_L_SHADE	2	69.2	3.9	49.70	14.80	64.5
	B1803	B_K	2	71.6	2.2	47.80	16.50	64.3
	B1805	B_B_V	1	48.4	5.9	61.80	22.00	83.8
	B1806	B_G	3	82.7	6.8	49.70	12.00	61.7

Bankstown Compass Centre

First Rate Energy Rating Assessment

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CLIMATE ZONE
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AVERAGE ENERGY INTENSITY (MJ/m ²)	AVERAGE STAR RATING	MINIMUM STAR RATING
67.9	4.9	4.0

Level	Apt No.	Apt Type	Bedrooms	A/C Area (m ²)	Non A/C Area (m ²)	Heating - MJ/m ²	Cooling - MJ/m ²	Energy Rating - MJ/m ²
C-2	C0201	A_G	2	71.3	4.1	49.10	33.20	82.3
	C0206	C	2	69.0	3.9	49.50	23.40	72.9
	C0207	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C0208	B	1	49.6	5.5	37.40	22.90	60.3
	C0209	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
C-3	C0301	A	2	71.3	4.1	48.40	27.80	76.2
	C0306	C	2	69.0	3.9	49.50	23.40	72.9
	C0307	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C0308	B	1	49.6	5.5	37.40	22.90	60.3
	C0309	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
C-4	C0401	A	2	71.3	4.1	48.40	27.80	76.2
	C0402	E_G	1	52.8	5.1	33.50	13.70	47.2
	C0403	D_G	2	70.9	2.6	55.90	21.90	77.8
	C0407	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C0408	B	1	49.6	5.5	37.40	22.90	60.3
	C0409	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
	C0415	D_SIDE_G	2	70.9	2.6	60.70	20.90	81.6
C-5	C0416	D_H_G	2	72.0	2.6	57.40	30.50	87.9
	C0501	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
	C0502	F_F	1	65.5	3.9	24.00	18.70	42.7
	C0503	D	2	70.9	2.6	49.20	18.20	67.4
	C0505	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C0506	D_H	2	72.0	2.6	59.90	27.60	87.5
	C0507	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C0508	B	1	49.6	5.5	37.40	22.90	60.3
	C0509	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
C-6	C0601	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
	C0602	F	1	65.5	3.9	28.20	16.00	44.2
	C0603	D	2	70.9	2.6	49.20	18.20	67.4
	C0605	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C0606	D_H	2	72.0	2.6	59.90	27.60	87.5
	C0607	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C0608	B	1	49.6	5.5	37.40	22.90	60.3
	C0609	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
	C0701	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
C-7	C0702	F	1	65.5	3.9	28.20	16.00	44.2
	C0703	D	2	70.9	2.6	49.20	18.20	67.4
	C0705	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C0706	D_H	2	72.0	2.6	59.90	27.60	87.5
	C0707	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C0708	B	1	49.6	5.5	37.40	22.90	60.3
	C0709	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
	C0801	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
C-8	C0802	F	1	65.5	3.9	28.20	16.00	44.2
	C0803	D	2	70.9	2.6	49.20	18.20	67.4
	C0805	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C0806	D_H	2	72.0	2.6	59.90	27.60	87.5
	C0807	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C0808	B	1	49.6	5.5	37.40	22.90	60.3
	C0809	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
	C0901	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
C-9	C0902	F	1	65.5	3.9	28.20	16.00	44.2
	C0903	D	2	70.9	2.6	49.20	18.20	67.4
	C0905	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C0906	D_H	2	72.0	2.6	59.90	27.60	87.5
	C0907	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C0908	B	1	49.6	5.5	37.40	22.90	60.3
	C0909	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
	C1001	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
C-10	C1002	F	1	65.5	3.9	28.20	16.00	44.2
	C1003	D	2	70.9	2.6	49.20	18.20	67.4
	C1005	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C1006	D_H	2	72.0	2.6	59.90	27.60	87.5
	C1007	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C1008	B	1	49.6	5.5	37.40	22.90	60.3
	C1009	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
	C1101	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
C-11	C1102	F	1	65.5	3.9	28.20	16.00	44.2
	C1103	D	2	70.9	2.6	49.20	18.20	67.4
	C1105	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C1106	D_H	2	72.0	2.6	59.90	27.60	87.5
	C1107	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C1108	B	1	49.6	5.5	37.40	22.90	60.3
	C1109	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
	C1201	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
C-12	C1202	F	1	65.5	3.9	28.20	16.00	44.2
	C1203	D	2	70.9	2.6	49.20	18.20	67.4
	C1205	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C1206	D_H	2	72.0	2.6	59.90	27.60	87.5
	C1207	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C1208	B	1	49.6	5.5	37.40	22.90	60.3
	C1209	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
	C1301	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
C-13	C1302	F	1	65.5	3.9	28.20	16.00	44.2
	C1303	D	2	70.9	2.6	49.20	18.20	67.4
	C1305	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C1306	D_H	2	72.0	2.6	59.90	27.60	87.5

	C1307	B_SIDE1	1	48.5	5.5	49.90	24.40	74.3
	C1308	B	1	49.6	5.5	37.40	22.90	60.3
	C1309	B_SIDE2	1	48.5	5.5	37.40	24.10	61.5
C-14	C1401	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
	C1402	F	1	65.5	3.9	28.20	16.00	44.2
	C1403	D	2	70.9	2.6	49.20	18.20	67.4
	C1405	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C1406	D_H_R	2	72.0	2.6	56.60	24.50	81.1
	C1407	B_SIDE1_R	1	48.5	5.5	58.10	19.60	77.7
	C1408	B_P	1	49.6	5.5	42.40	21.00	63.4
	C1409	B_SIDE2_P	1	48.4	5.5	40.70	20.50	61.2
C-15	C1501	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
	C1502	F	1	65.5	3.9	28.20	16.00	44.2
	C1503	D	2	70.9	2.6	49.20	18.20	67.4
	C1505	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C1506	G	3	82.7	6.8	49.30	12.30	61.6
C-16	C1601	A_SIDE	2	71.3	4.1	49.20	22.10	71.3
	C1602	F	1	65.5	3.9	28.20	16.00	44.2
	C1603	D	2	70.9	2.6	49.20	18.20	67.4
	C1605	D_SIDE	2	70.9	2.6	52.80	16.80	69.6
	C1606	G	3	82.7	6.8	49.30	12.30	61.6
C-17	C1701	A_SIDE_P	2	71.3	4.1	53.00	21.20	74.2
	C1702	F_P	1	65.6	3.9	33.60	16.40	50.0
	C1703	D_P	2	70.8	2.6	51.60	17.60	69.2
	C1705	D_SIDE_P	2	70.8	2.6	55.40	17.30	72.7
	C1706	G	3	82.7	6.8	49.30	12.30	61.6
C-18	C1801	I_R	4	110.7	2.8	64.10	15.00	79.1
	C1802	H_R	4	123.2	4.9	39.70	30.20	69.9
	C1803	G_R	3	82.7	6.8	55.50	27.00	82.5

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First Rate Energy Rating Assessment

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AVERAGE ENERGY INTENSITY (MJ/m ²)	AVERAGE STAR RATING	MINIMUM STAR RATING
64.3	5.2	4.3

Level	Apt No.	Apt Type	Bedrooms	A/C Area (m ²)	Non A/C Area (m ²)	Heating - MJ/m ²	Cooling - MJ/m ²	Energy Rating - MJ/m ²
D-02	D0201	D_T_G	2	55.2	3.3	63.70	13.90	77.6
	D0202	D_U_G	2	62.2	4.2	43.00	15.70	58.7
	D0203	D_V_G	2	68.7	4.5	51.00	15.10	66.1
D-03	D0301	D_T_P	2	55.2	3.3	42.70	11.60	54.3
	D0302	D_U_P	2	62.1	4.2	28.70	14.30	43.0
	D0303	D_V_P	2	68.6	4.5	39.60	16.00	55.6
D-04	D0401	D_X_F	2	72.4	3.8	50.20	24.70	74.9
	D0402	D_W_G	1	53.3	5.8	62.10	9.50	71.6
	D0403	D_D_ROT_H_G	2	70.9	2.6	65.80	13.00	78.8
	D0405	D_B_ROT_G	1	49.4	5.5	33.10	18.60	51.7
	D0406	D_B_ROT_H_G	1	49.4	5.5	38.60	23.80	62.4
	D0407	D_D_ROT_V_G	2	70.9	2.6	43.20	20.60	63.8
	D0408	D_D_ROT_G	2	70.9	2.6	60.50	12.20	72.7
	D0409	D_A_ROT_F	2	68.0	3.7	57.90	15.00	72.9
	D0410	D_D_SIDE_G	2	70.9	2.6	57.30	21.50	78.8
	D0411	D_Y_G	1	55.8	4.4	27.90	21.80	49.7
D-05	D0501	D_X	2	72.4	3.9	49.70	23.40	73.1
	D0502	D_W	1	53.3	5.8	50.50	10.60	61.1
	D0503	D_D_ROT_H	2	70.9	2.6	64.90	15.00	79.9
	D0505	D_B_ROT	1	49.4	5.5	29.80	19.30	49.1
	D0506	D_B_ROT_H	1	49.4	5.5	34.50	24.30	58.8
	D0507	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D0508	D_D_ROT	2	70.9	2.6	52.90	12.70	65.6
	D0509	D-A_ROT	2	68.0	3.7	48.50	13.40	61.9
	D0510	D_D_SIDE	2	70.9	2.6	47.20	21.20	68.4
	D0511	D_Y	1	55.8	4.4	22.90	21.70	44.6
D-06	D0601	D_X	2	72.4	3.9	49.70	23.40	73.1
	D0602	D_W	1	53.3	5.8	50.50	10.60	61.1
	D0603	D_D_ROT_H	2	70.9	2.6	64.90	15.00	79.9
	D0605	D_B_ROT	1	49.4	5.5	29.80	19.30	49.1
	D0606	D_B_ROT_H	1	49.4	5.5	34.50	24.30	58.8
	D0607	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D0608	D_D_ROT	2	70.9	2.6	52.90	12.70	65.6
	D0609	D-A_ROT	2	68.0	3.7	48.50	13.40	61.9
	D0610	D_D_SIDE	2	70.9	2.6	47.20	21.20	68.4
	D0611	D_Y	1	55.8	4.4	22.90	21.70	44.6
D-07	D0701	D_X	2	72.4	3.9	49.70	23.40	73.1
	D0702	D_W	1	53.3	5.8	50.50	10.60	61.1
	D0703	D_D_ROT_H	2	70.9	2.6	64.90	15.00	79.9
	D0705	D_B_ROT	1	49.4	5.5	29.80	19.30	49.1
	D0706	D_B_ROT_H	1	49.4	5.5	34.50	24.30	58.8
	D0707	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D0708	D_D_ROT	2	70.9	2.6	52.90	12.70	65.6
	D0709	D-A_ROT	2	68.0	3.7	48.50	13.40	61.9
	D0710	D_D_SIDE	2	70.9	2.6	47.20	21.20	68.4
	D0711	D_Y	1	55.8	4.4	22.90	21.70	44.6
D-08	D0801	D_X	2	72.4	3.9	49.70	23.40	73.1
	D0802	D_W	1	53.3	5.8	50.50	10.60	61.1
	D0803	D_D_ROT_H	2	70.9	2.6	64.90	15.00	79.9
	D0805	D_B_ROT	1	49.4	5.5	29.80	19.30	49.1
	D0806	D_B_ROT_H	1	49.4	5.5	34.50	24.30	58.8
	D0807	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D0808	D_D_ROT	2	70.9	2.6	52.90	12.70	65.6
	D0809	D-A_ROT	2	68.0	3.7	48.50	13.40	61.9
	D0810	D_D_SIDE	2	70.9	2.6	47.20	21.20	68.4
	D0811	D_Y	1	55.8	4.4	22.90	21.70	44.6
D-09	D0901	D_X	2	72.4	3.9	49.70	23.40	73.1
	D0902	D_W	1	53.3	5.8	50.50	10.60	61.1
	D0903	D_D_ROT_H	2	70.9	2.6	64.90	15.00	79.9
	D0905	D_B_ROT_R	1	49.4	5.5	40.50	20.20	60.7
	D0906	D_B_ROT_H_R	1	49.4	5.5	42.90	24.50	67.4
	D0907	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D0908	D_D_ROT	2	70.9	2.6	52.90	12.70	65.6
	D0909	D-A_ROT	2	68.0	3.7	48.50	13.40	61.9
	D0910	D_D_SIDE_R	2	70.9	2.6	58.60	22.90	81.5
	D0911	D_Y_R	1	55.8	4.4	32.80	23.40	56.2
D-10	D1001	D_X	2	72.4	3.9	49.70	23.40	73.1
	D1002	D_W	1	53.3	5.8	50.50	10.60	61.1
	D1003	D_D_ROT_H_SIDE	2	70.9	2.6	51.80	11.40	63.2
	D1007	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D1008	D_D_ROT_SIDE	2	70.9	2.6	54.00	10.70	64.7
D-11	D1009	D-A_ROT	2	68.0	3.7	48.50	13.40	61.9
	D1101	D_X	2	72.4	3.9	49.70	23.40	73.1
	D1102	D_W	1	53.3	5.8	50.50	10.60	61.1
	D1103	D_D_ROT_H_SIDE	2	70.9	2.6	51.80	11.40	63.2
	D1107	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D1108	D_D_ROT_SIDE	2	70.9	2.6	54.00	10.70	64.7
D-12	D1109	D-A_ROT	2	68.0	3.7	48.50	13.40	61.9
	D1201	D_X	2	72.4	3.9	49.70	23.40	73.1
	D1202	D_W	1	53.3	5.8	50.50	10.60	61.1
	D1203	D_D_ROT_H_SIDE	2	70.9	2.6	51.80	11.40	63.2
	D1207	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D1208	D_D_ROT_SIDE	2	70.9	2.6	54.00	10.70	64.7
	D1209	D-A_ROT	2	68.0	3.7	48.50	13.40	61.9
	D1301	D_X	2	72.4	3.9	49.70	23.40	73.1
	D1302	D_W	1	53.3	5.8	50.50	10.60	61.1

D-13	D1303	D_D_ROT_H_SIDE	2	70.9	2.6	51.80	11.40	63.2
	D1307	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D1308	D_D_ROT_SIDE	2	70.9	2.6	54.00	10.70	64.7
	D1309	D-A_ROT	2	68.0	3.7	48.50	13.40	61.9
D-14	D1401	D_X	2	72.4	3.9	49.70	23.40	73.1
	D1402	D_W	1	53.3	5.8	50.50	10.60	61.1
	D1403	D_D_ROT_H_SIDE	2	70.9	2.6	51.80	11.40	63.2
	D1407	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D1408	D_D_ROT_SIDE	2	70.9	2.6	54.00	10.70	64.7
D-15	D1501	D_X	2	72.4	3.9	49.70	23.40	73.1
	D1502	D_W	1	53.3	5.8	50.50	10.60	61.1
	D1503	D_D_ROT_H_SIDE	2	70.9	2.6	51.80	11.40	63.2
	D1507	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D1508	D_D_ROT_SIDE	2	70.9	2.6	54.00	10.70	64.7
D-16	D1601	D_X	2	72.4	3.9	49.70	23.40	73.1
	D1602	D_W	1	53.3	5.8	50.50	10.60	61.1
	D1603	D_D_ROT_H_SIDE	2	70.9	2.6	51.80	11.40	63.2
	D1607	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D1608	D_D_ROT_SIDE	2	70.9	2.6	54.00	10.70	64.7
D-17	D1701	D_X	2	72.4	3.9	49.70	23.40	73.1
	D1702	D_W	1	53.3	5.8	50.50	10.60	61.1
	D1703	D_D_ROT_H_SIDE	2	70.9	2.6	51.80	11.40	63.2
	D1707	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D1708	D_D_ROT_SIDE	2	70.9	2.6	54.00	10.70	64.7
D-18	D1801	D_X	2	72.4	3.9	49.70	23.40	73.1
	D1802	D_W	1	53.3	5.8	50.50	10.60	61.1
	D1803	D_D_ROT_H_SIDE	2	70.9	2.6	51.80	11.40	63.2
	D1807	D_D_ROT_V	2	70.9	2.6	40.50	17.80	58.3
	D1808	D_D_ROT_SIDE	2	70.9	2.6	54.00	10.70	64.7
D-19	D1901	D_X_P	2	72.4	3.9	53.10	21.90	75.0
	D1902	D_W_P	1	53.2	5.8	55.90	10.30	66.2
	D1903	D_D_ROT_H_SIDE_P	2	70.9	2.6	53.80	11.50	65.3
	D1907	D_D_ROT_V_P	2	70.8	2.6	42.80	17.40	60.2
	D1908	D_D_ROT_SIDE_P	2	70.9	2.6	55.90	10.50	66.4
	D1909	D_A_ROT_P	2	68.0	3.7	50.20	13.70	63.9

Appendix B – BASIX Certificate

BASIX[®]Certificate

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

Multi Dwelling

Certificate number: 673380M_03




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 18/09/2014 published by the Department. This document is available at www.basix.nsw.gov.au

Secretary

Date of issue: Monday, 17 October 2016

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



Project summary		
Project name	Bankstown Compass Centre (V1)_03	
Street address	83-99 North Terrace Banksttown 2200	
Local Government Area	Bankstown City Council	
Plan type and plan number	deposited 5541	
Lot no.	20	
Section no.	-	
No. of residential flat buildings	4	
No. of units in residential flat buildings	471	
No. of multi-dwelling houses	0	
No. of single dwelling houses	0	
Project score		
Water	 62	Target 40
Thermal Comfort	 Pass	Target Pass
Energy	 30	Target 20

Certificate Prepared by

Name / Company Name: Wood and Grieve Engineers

ABN (if applicable): 97137999609

Description of project

Project address

Project name	Bankstown Compass Centre (V1)_03
Street address	83-99 North Terrace Bankstown 2200
Local Government Area	Bankstown City Council
Plan type and plan number	deposited 5541
Lot no.	20
Section no.	-

Project type

No. of residential flat buildings	4
No. of units in residential flat buildings	471
No. of multi-dwelling houses	0
No. of single dwelling houses	0

Site details

Site area (m²)	10122
Roof area (m²)	3960
Non-residential floor area (m²)	11835.0
Residential car spaces	517
Non-residential car spaces	208

Common area landscape

Common area lawn (m²)	0.0
Common area garden (m²)	1997.3
Area of indigenous or low water use species (m²)	0.0

Assessor details

Assessor number	VIC/13/1513
Certificate number	15130040
Climate zone	56

Project score

Water	✓ 62	Target 40
Thermal Comfort	✓ Pass	Target Pass
Energy	✓ 30	Target 20

Description of project

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

Residential flat buildings - Building D, 129 dwellings, 21 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
D0201	2	55.2	3.3	0.0	0.0
D0302	2	62.1	4.2	0.0	0.0
D0403	2	70.9	2.6	0.0	0.0
D0408	2	70.9	2.6	0.0	0.0
D0501	2	72.4	3.9	0.0	0.0
D0506	1	49.4	5.5	0.0	0.0
D0510	2	70.9	2.6	0.0	0.0
D0603	2	70.9	2.6	0.0	0.0
D0608	2	70.9	2.6	0.0	0.0
D0701	2	72.4	3.9	0.0	0.0
D0706	1	49.4	5.5	0.0	0.0
D0710	2	70.9	2.6	0.0	0.0
D0803	2	70.9	2.6	0.0	0.0
D0808	2	70.9	2.6	0.0	0.0
D0901	2	72.4	3.9	0.0	0.0
D0906	1	49.4	5.5	0.0	0.0
D0910	2	70.9	2.6	0.0	0.0
D1003	2	70.9	2.6	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
D0202	2	62.2	4.2	0.0	0.0
D0303	2	68.6	4.5	0.0	0.0
D0405	1	49.4	5.5	0.0	0.0
D0409	2	68.0	3.7	0.0	0.0
D0502	1	53.3	5.8	0.0	0.0
D0507	2	70.9	2.6	0.0	0.0
D0511	1	55.8	4.4	0.0	0.0
D0605	1	49.4	5.5	0.0	0.0
D0609	2	68.0	3.7	0.0	0.0
D0702	1	53.3	5.8	0.0	0.0
D0707	2	70.9	2.6	0.0	0.0
D0711	1	55.8	4.4	0.0	0.0
D0805	1	49.4	5.5	0.0	0.0
D0809	2	68.0	3.7	0.0	0.0
D0902	1	53.3	5.8	0.0	0.0
D0907	2	70.9	2.6	0.0	0.0
D0911	1	55.8	4.4	0.0	0.0
D1007	2	70.9	2.6	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
D0203	2	68.7	4.5	0.0	0.0
D0401	2	72.4	3.8	0.0	0.0
D0406	1	49.4	5.5	0.0	0.0
D0410	2	70.9	2.6	0.0	0.0
D0503	2	70.9	2.6	0.0	0.0
D0508	2	70.9	2.6	0.0	0.0
D0601	2	72.4	3.9	0.0	0.0
D0606	1	49.4	5.5	0.0	0.0
D0610	2	70.9	2.6	0.0	0.0
D0703	2	70.9	2.6	0.0	0.0
D0708	2	70.9	2.6	0.0	0.0
D0801	2	72.4	3.9	0.0	0.0
D0806	1	49.4	5.5	0.0	0.0
D0810	2	70.9	2.6	0.0	0.0
D0903	2	70.9	2.6	0.0	0.0
D0908	2	70.9	2.6	0.0	0.0
D1001	2	72.4	3.9	0.0	0.0
D1008	2	70.9	2.6	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
D0301	2	55.2	3.3	0.0	0.0
D0402	1	53.3	5.8	0.0	0.0
D0407	2	70.9	2.6	0.0	0.0
D0411	1	55.8	4.4	0.0	0.0
D0505	1	49.4	5.5	0.0	0.0
D0509	2	68.0	3.7	0.0	0.0
D0602	1	53.3	5.8	0.0	0.0
D0607	2	70.9	2.6	0.0	0.0
D0611	1	55.8	4.4	0.0	0.0
D0705	1	49.4	5.5	0.0	0.0
D0709	2	68.0	3.7	0.0	0.0
D0802	1	53.3	5.8	0.0	0.0
D0807	2	70.9	2.6	0.0	0.0
D0811	1	55.8	4.4	0.0	0.0
D0905	1	49.4	5.5	0.0	0.0
D0909	2	68.0	3.7	0.0	0.0
D1002	1	53.3	5.8	0.0	0.0
D1009	2	68.0	3.7	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
D1101	2	72.4	3.9	0.0	0.0
D1108	2	70.9	2.6	0.0	0.0
D1203	2	70.9	2.6	0.0	0.0
D1301	2	72.4	3.9	0.0	0.0
D1308	2	70.9	2.6	0.0	0.0
D1403	2	70.9	2.6	0.0	0.0
D1501	2	72.4	3.9	0.0	0.0
D1508	2	70.9	2.6	0.0	0.0
D1603	2	70.9	2.6	0.0	0.0
D1701	2	72.4	3.9	0.0	0.0
D1708	2	70.9	2.6	0.0	0.0
D1803	2	70.9	2.6	0.0	0.0
D1901	2	72.4	3.9	0.0	0.0
D1908	2	70.9	2.6	0.0	0.0
D2003	4 or more bedrooms	133.7	4.3	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
D1102	1	53.3	5.8	0.0	0.0
D1109	2	68.0	3.7	0.0	0.0
D1207	2	70.9	2.6	0.0	0.0
D1302	1	53.3	5.8	0.0	0.0
D1309	2	68.0	3.7	0.0	0.0
D1407	2	70.9	2.6	0.0	0.0
D1502	1	53.3	5.8	0.0	0.0
D1509	2	68.0	3.7	0.0	0.0
D1607	2	70.9	2.6	0.0	0.0
D1702	1	53.3	5.8	0.0	0.0
D1709	2	68.0	3.7	0.0	0.0
D1807	2	70.9	2.6	0.0	0.0
D1902	1	53.2	5.8	0.0	0.0
D1909	2	68.0	3.7	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
D1103	2	70.9	2.6	0.0	0.0
D1201	2	72.4	3.9	0.0	0.0
D1208	2	70.9	2.6	0.0	0.0
D1303	2	70.9	2.6	0.0	0.0
D1401	2	72.4	3.9	0.0	0.0
D1408	2	70.9	2.6	0.0	0.0
D1503	2	70.9	2.6	0.0	0.0
D1601	2	72.4	3.9	0.0	0.0
D1608	2	70.9	2.6	0.0	0.0
D1703	2	70.9	2.6	0.0	0.0
D1801	2	72.4	3.9	0.0	0.0
D1808	2	70.9	2.6	0.0	0.0
D1903	2	70.9	2.6	0.0	0.0
D2001	4 or more bedrooms	141.7	3.4	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
D1107	2	70.9	2.6	0.0	0.0
D1202	1	53.3	5.8	0.0	0.0
D1209	2	68.0	3.7	0.0	0.0
D1307	2	70.9	2.6	0.0	0.0
D1402	1	53.3	5.8	0.0	0.0
D1409	2	68.0	3.7	0.0	0.0
D1507	2	70.9	2.6	0.0	0.0
D1602	1	53.3	5.8	0.0	0.0
D1609	2	68.0	3.7	0.0	0.0
D1707	2	70.9	2.6	0.0	0.0
D1802	1	53.3	5.8	0.0	0.0
D1809	2	68.0	3.7	0.0	0.0
D1907	2	70.8	2.6	0.0	0.0
D2002	3	117.3	2.7	0.0	0.0

Residential flat buildings - Building A, 72 dwellings, 19 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A0401	3	95.1	4.4	0.0	0.0
A0406	2	73.3	4.8	0.0	0.0
A0503	2	73.5	2.5	0.0	0.0
A0601	3	95.1	4.4	0.0	0.0
A0606	2	73.3	4.8	0.0	0.0
A0703	2	73.5	2.5	0.0	0.0
A0801	3	95.1	4.4	0.0	0.0
A0806	2	73.3	4.8	0.0	0.0
A0903	2	73.5	2.5	0.0	0.0
A1001	3	99.7	2.6	0.0	0.0
A1101	3	99.7	2.6	0.0	0.0
A1201	3	99.7	2.6	0.0	0.0
A1301	3	99.7	2.6	0.0	0.0
A1401	3	99.7	2.6	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A0402	2	67.9	4.2	0.0	0.0
A0407	2	73.5	2.5	0.0	0.0
A0505	2	73.5	2.5	0.0	0.0
A0602	2	67.9	4.2	0.0	0.0
A0607	2	73.5	2.5	0.0	0.0
A0705	2	73.5	2.5	0.0	0.0
A0802	2	67.9	4.2	0.0	0.0
A0807	2	73.5	2.5	0.0	0.0
A0905	2	73.5	2.5	0.0	0.0
A1002	2	67.9	4.2	0.0	0.0
A1102	2	67.9	4.2	0.0	0.0
A1202	2	67.9	4.2	0.0	0.0
A1302	2	67.9	4.2	0.0	0.0
A1402	2	67.9	4.2	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A0403	2	73.5	2.5	0.0	0.0
A0501	3	95.1	4.4	0.0	0.0
A0506	2	73.3	4.8	0.0	0.0
A0603	2	73.5	2.5	0.0	0.0
A0701	3	95.1	4.4	0.0	0.0
A0706	2	73.3	4.8	0.0	0.0
A0803	2	73.5	2.5	0.0	0.0
A0901	3	95.1	4.4	0.0	0.0
A0906	2	73.3	4.8	0.0	0.0
A1003	2	73.5	2.5	0.0	0.0
A1103	2	73.5	2.5	0.0	0.0
A1203	2	73.5	2.5	0.0	0.0
A1303	2	73.5	2.5	0.0	0.0
A1403	2	73.5	2.5	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A0405	2	73.5	2.5	0.0	0.0
A0502	2	67.9	4.2	0.0	0.0
A0507	2	73.5	2.5	0.0	0.0
A0605	2	73.5	2.5	0.0	0.0
A0702	2	67.9	4.2	0.0	0.0
A0707	2	73.5	2.5	0.0	0.0
A0805	2	73.5	2.5	0.0	0.0
A0902	2	67.9	4.2	0.0	0.0
A0907	2	73.5	2.5	0.0	0.0
A1005	4 or more bedrooms	105.1	2.7	0.0	0.0
A1105	4 or more bedrooms	105.1	2.7	0.0	0.0
A1205	4 or more bedrooms	105.1	2.7	0.0	0.0
A1305	4 or more bedrooms	105.1	2.7	0.0	0.0
A1405	4 or more bedrooms	105.1	2.7	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A1501	3	99.7	2.6	0.0	0.0
A1601	3	99.7	2.6	0.0	0.0
A1701	3	99.7	2.6	0.0	0.0
A1801	3	99.7	2.6	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A1502	2	67.9	4.2	0.0	0.0
A1602	2	67.9	4.2	0.0	0.0
A1702	2	67.9	4.2	0.0	0.0
A1802	2	67.9	4.2	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A1503	2	73.5	2.5	0.0	0.0
A1603	2	73.5	2.5	0.0	0.0
A1703	2	73.5	2.5	0.0	0.0
A1803	2	73.5	2.5	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
A1505	4 or more bedrooms	105.1	2.7	0.0	0.0
A1605	4 or more bedrooms	105.1	2.7	0.0	0.0
A1705	4 or more bedrooms	105.1	2.7	0.0	0.0
A1805	4 or more bedrooms	105.1	2.7	0.0	0.0

Residential flat buildings - Building B, 154 dwellings, 25 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B0201	2	71.3	4.1	0.0	0.0
B0207	1	52.2	5.5	0.0	0.0
B0302	2	69.2	3.9	0.0	0.0
B0308	1	48.5	5.9	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B0202	2	69.2	3.9	0.0	0.0
B0208	1	48.5	5.9	0.0	0.0
B0303	2	71.6	2.2	0.0	0.0
B0309	1	49.5	5.5	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B0203	2	71.6	2.2	0.0	0.0
B0209	1	49.5	5.5	0.0	0.0
B0305	1	48.4	5.9	0.0	0.0
B0401	2	71.3	4.1	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B0205	1	48.4	5.9	0.0	0.0
B0301	2	71.3	4.1	0.0	0.0
B0307	1	52.2	5.5	0.0	0.0
B0402	2	69.2	3.9	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B0403	2	71.6	2.2	0.0	0.0
B0408	1	48.5	5.9	0.0	0.0
B0503	2	71.6	2.2	0.0	0.0
B0508	1	48.5	5.9	0.0	0.0
B0603	2	71.6	2.2	0.0	0.0
B0608	1	48.5	5.9	0.0	0.0
B0703	2	71.6	2.2	0.0	0.0
B0708	1	48.5	5.9	0.0	0.0
B0803	2	71.6	2.2	0.0	0.0
B0808	1	48.5	5.9	0.0	0.0
B0903	2	71.6	2.2	0.0	0.0
B0908	1	48.5	5.9	0.0	0.0
B1003	2	71.6	2.2	0.0	0.0
B1008	1	48.5	5.9	0.0	0.0
B1103	2	71.6	2.2	0.0	0.0
B1108	1	48.5	5.9	0.0	0.0
B1203	2	71.6	2.2	0.0	0.0
B1208	1	48.5	5.9	0.0	0.0
B1303	2	71.6	2.2	0.0	0.0
B1308	1	48.5	5.9	0.0	0.0
B1403	2	71.6	2.2	0.0	0.0
B1408	1	48.5	5.9	0.0	0.0
B1503	2	71.6	2.2	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B0405	1	48.4	5.9	0.0	0.0
B0409	1	49.5	5.5	0.0	0.0
B0505	1	48.4	5.9	0.0	0.0
B0509	1	49.5	5.5	0.0	0.0
B0605	1	48.4	5.9	0.0	0.0
B0609	1	49.5	5.5	0.0	0.0
B0705	1	48.4	5.9	0.0	0.0
B0709	1	49.5	5.5	0.0	0.0
B0805	1	48.4	5.9	0.0	0.0
B0809	1	49.5	5.5	0.0	0.0
B0905	1	48.4	5.9	0.0	0.0
B0909	1	49.5	5.5	0.0	0.0
B1005	1	48.4	5.9	0.0	0.0
B1009	1	49.5	5.5	0.0	0.0
B1105	1	48.4	5.9	0.0	0.0
B1109	1	49.5	5.5	0.0	0.0
B1205	1	48.4	5.9	0.0	0.0
B1209	1	49.5	5.5	0.0	0.0
B1305	1	48.4	5.9	0.0	0.0
B1309	1	49.5	5.5	0.0	0.0
B1405	1	48.4	5.9	0.0	0.0
B1409	1	49.5	5.5	0.0	0.0
B1505	1	48.4	5.9	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B0406	2	71.6	2.2	0.0	0.0
B0501	2	71.3	4.1	0.0	0.0
B0506	2	71.6	2.2	0.0	0.0
B0601	2	71.3	4.1	0.0	0.0
B0606	2	71.6	2.2	0.0	0.0
B0701	2	71.3	4.1	0.0	0.0
B0706	2	71.6	2.2	0.0	0.0
B0801	2	71.3	4.1	0.0	0.0
B0806	2	71.6	2.2	0.0	0.0
B0901	2	71.3	4.1	0.0	0.0
B0906	2	71.6	2.2	0.0	0.0
B1001	2	71.3	4.1	0.0	0.0
B1006	2	71.6	2.2	0.0	0.0
B1101	2	71.3	4.1	0.0	0.0
B1106	2	71.6	2.2	0.0	0.0
B1201	2	71.3	4.1	0.0	0.0
B1206	2	71.6	2.2	0.0	0.0
B1301	2	71.3	4.1	0.0	0.0
B1306	2	71.6	2.2	0.0	0.0
B1401	2	71.3	4.1	0.0	0.0
B1406	2	71.6	2.2	0.0	0.0
B1501	2	71.3	4.1	0.0	0.0
B1506	2	71.6	2.2	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B0407	1	52.2	5.5	0.0	0.0
B0502	2	69.2	3.9	0.0	0.0
B0507	1	52.2	5.5	0.0	0.0
B0602	2	69.2	3.9	0.0	0.0
B0607	1	52.2	5.5	0.0	0.0
B0702	2	69.2	3.9	0.0	0.0
B0707	1	52.2	5.5	0.0	0.0
B0802	2	69.2	3.9	0.0	0.0
B0807	1	52.2	5.5	0.0	0.0
B0902	2	69.2	3.9	0.0	0.0
B0907	1	52.2	5.5	0.0	0.0
B1002	2	69.2	3.9	0.0	0.0
B1007	1	52.2	5.5	0.0	0.0
B1102	2	69.2	3.9	0.0	0.0
B1107	1	52.2	5.5	0.0	0.0
B1202	2	69.2	3.9	0.0	0.0
B1207	1	52.2	5.5	0.0	0.0
B1302	2	69.2	3.9	0.0	0.0
B1307	1	52.2	5.5	0.0	0.0
B1402	2	69.2	3.9	0.0	0.0
B1407	1	52.2	5.5	0.0	0.0
B1502	2	69.2	3.9	0.0	0.0
B1507	1	52.2	5.5	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B1508	1	48.5	5.9	0.0	0.0
B1603	2	71.6	2.2	0.0	0.0
B1608	1	48.5	5.9	0.0	0.0
B1703	2	71.6	2.2	0.0	0.0
B1708	1	48.4	5.9	0.0	0.0
B1803	2	71.6	2.2	0.0	0.0
B1902	2	69.2	3.9	0.0	0.0
B2001	2	71.3	4.1	0.0	0.0
B2006	3	82.7	6.8	0.0	0.0
B2105	1	48.3	5.9	0.0	0.0
B2203	2	71.6	2.2	0.0	0.0
B2302	3	96.7	3.9	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B1509	1	49.5	5.5	0.0	0.0
B1605	1	48.4	5.9	0.0	0.0
B1609	1	49.5	5.5	0.0	0.0
B1705	1	48.4	5.9	0.0	0.0
B1709	1	49.5	5.5	0.0	0.0
B1805	1	48.4	5.9	0.0	0.0
B1903	2	71.6	2.2	0.0	0.0
B2002	2	69.2	3.9	0.0	0.0
B2101	2	71.3	4.1	0.0	0.0
B2106	3	82.7	6.8	0.0	0.0
B2205	1	48.3	5.9	0.0	0.0
B2303	3	82.7	6.8	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B1601	2	71.3	4.1	0.0	0.0
B1606	2	71.6	2.2	0.0	0.0
B1701	2	71.3	4.1	0.0	0.0
B1706	2	71.6	2.2	0.0	0.0
B1801	2	71.3	4.1	0.0	0.0
B1806	3	82.7	6.8	0.0	0.0
B1905	1	48.4	5.9	0.0	0.0
B2003	2	71.6	2.2	0.0	0.0
B2102	2	69.2	3.9	0.0	0.0
B2201	2	71.3	4.1	0.0	0.0
B2206	3	82.7	6.8	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
B1602	2	69.2	3.9	0.0	0.0
B1607	1	52.2	5.5	0.0	0.0
B1702	2	69.2	3.9	0.0	0.0
B1707	1	52.2	5.5	0.0	0.0
B1802	2	69.2	3.9	0.0	0.0
B1901	2	71.3	4.1	0.0	0.0
B1906	3	82.7	6.8	0.0	0.0
B2005	1	48.4	5.9	0.0	0.0
B2103	2	71.6	2.2	0.0	0.0
B2202	2	69.1	3.9	0.0	0.0
B2301	3	121.2	2.1	0.0	0.0

Residential flat buildings - Building C, 116 dwellings, 20 storeys above ground

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C0201	2	71.3	4.1	0.0	0.0
C0209	1	48.5	5.5	0.0	0.0
C0308	1	49.6	5.5	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C0206	2	69.0	3.9	0.0	0.0
C0301	2	71.3	4.1	0.0	0.0
C0309	1	48.5	5.5	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C0207	1	48.5	5.5	0.0	0.0
C0306	2	69.0	3.9	0.0	0.0
C0401	2	71.3	4.1	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C0208	1	49.6	5.5	0.0	0.0
C0307	1	48.5	5.5	0.0	0.0
C0402	1	52.8	5.1	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C0403	2	70.9	2.6	0.0	0.0
C0415	2	70.9	2.6	0.0	0.0
C0503	2	70.9	2.6	0.0	0.0
C0508	1	49.6	5.5	0.0	0.0
C0603	2	70.9	2.6	0.0	0.0
C0608	1	49.6	5.5	0.0	0.0
C0703	2	70.9	2.6	0.0	0.0
C0708	1	49.6	5.5	0.0	0.0
C0803	2	70.9	2.6	0.0	0.0
C0808	1	49.6	5.5	0.0	0.0
C0903	2	70.9	2.6	0.0	0.0
C0908	1	49.6	5.5	0.0	0.0
C1003	2	70.9	2.6	0.0	0.0
C1008	1	49.6	5.5	0.0	0.0
C1103	2	70.9	2.6	0.0	0.0
C1108	1	49.6	5.5	0.0	0.0
C1203	2	70.9	2.6	0.0	0.0
C1208	1	49.6	5.5	0.0	0.0
C1303	2	70.9	2.6	0.0	0.0
C1308	1	49.6	5.5	0.0	0.0
C1403	2	70.9	2.6	0.0	0.0
C1408	1	49.6	5.5	0.0	0.0
C1503	2	70.9	2.6	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C0407	1	48.5	5.5	0.0	0.0
C0416	2	72.0	2.6	0.0	0.0
C0505	2	70.9	2.6	0.0	0.0
C0509	1	48.5	5.5	0.0	0.0
C0605	2	70.9	2.6	0.0	0.0
C0609	1	48.5	5.5	0.0	0.0
C0705	2	70.9	2.6	0.0	0.0
C0709	1	48.5	5.5	0.0	0.0
C0805	2	70.9	2.6	0.0	0.0
C0809	1	48.5	5.5	0.0	0.0
C0905	2	70.9	2.6	0.0	0.0
C0909	1	48.5	5.5	0.0	0.0
C1005	2	70.9	2.6	0.0	0.0
C1009	1	48.5	5.5	0.0	0.0
C1105	2	70.9	2.6	0.0	0.0
C1109	1	48.5	5.5	0.0	0.0
C1205	2	70.9	2.6	0.0	0.0
C1209	1	48.5	5.5	0.0	0.0
C1305	2	70.9	2.6	0.0	0.0
C1309	1	48.5	5.5	0.0	0.0
C1405	2	70.9	2.6	0.0	0.0
C1409	1	48.4	5.5	0.0	0.0
C1505	2	70.9	2.6	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C0408	1	49.6	5.5	0.0	0.0
C0501	2	71.3	4.1	0.0	0.0
C0506	2	72.0	2.6	0.0	0.0
C0601	2	71.3	4.1	0.0	0.0
C0606	2	72.0	2.6	0.0	0.0
C0701	2	71.3	4.1	0.0	0.0
C0706	2	72.0	2.6	0.0	0.0
C0801	2	71.3	4.1	0.0	0.0
C0806	2	72.0	2.6	0.0	0.0
C0901	2	71.3	4.1	0.0	0.0
C0906	2	72.0	2.6	0.0	0.0
C1001	2	71.3	4.1	0.0	0.0
C1006	2	72.0	2.6	0.0	0.0
C1101	2	71.3	4.1	0.0	0.0
C1106	2	72.0	2.6	0.0	0.0
C1201	2	71.3	4.1	0.0	0.0
C1206	2	72.0	2.6	0.0	0.0
C1301	2	71.3	4.1	0.0	0.0
C1306	2	72.0	2.6	0.0	0.0
C1401	2	71.3	4.1	0.0	0.0
C1406	2	72.0	2.6	0.0	0.0
C1501	2	71.3	4.1	0.0	0.0
C1506	3	82.7	6.8	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C0409	1	48.5	5.5	0.0	0.0
C0502	1	65.5	3.9	0.0	0.0
C0507	1	48.5	5.5	0.0	0.0
C0602	1	65.5	3.9	0.0	0.0
C0607	1	48.5	5.5	0.0	0.0
C0702	1	65.5	3.9	0.0	0.0
C0707	1	48.5	5.5	0.0	0.0
C0802	1	65.5	3.9	0.0	0.0
C0807	1	48.5	5.5	0.0	0.0
C0902	1	65.5	3.9	0.0	0.0
C0907	1	48.5	5.5	0.0	0.0
C1002	1	65.5	3.9	0.0	0.0
C1007	1	48.5	5.5	0.0	0.0
C1102	1	65.5	3.9	0.0	0.0
C1107	1	48.5	5.5	0.0	0.0
C1202	1	65.5	3.9	0.0	0.0
C1207	1	48.5	5.5	0.0	0.0
C1302	1	65.5	3.9	0.0	0.0
C1307	1	48.5	5.5	0.0	0.0
C1402	1	65.5	3.9	0.0	0.0
C1407	1	48.5	5.5	0.0	0.0
C1502	1	65.5	3.9	0.0	0.0
C1601	2	71.3	4.1	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C1602	1	65.5	3.9	0.0	0.0
C1701	2	71.3	4.1	0.0	0.0
C1706	3	82.7	6.8	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C1603	2	70.9	2.6	0.0	0.0
C1702	1	65.6	3.9	0.0	0.0
C1801	4 or more bedrooms	110.7	2.8	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C1605	2	70.9	2.6	0.0	0.0
C1703	2	70.8	2.6	0.0	0.0
C1802	4 or more bedrooms	123.2	4.9	0.0	0.0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
C1606	3	82.7	6.8	0.0	0.0
C1705	2	70.8	2.6	0.0	0.0
C1803	3	82.7	6.8	0.0	0.0

Description of project

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

Common areas of unit building - Building D

Common area	Floor area (m²)
Lift car (No. 7)	-
Hallway/lobby BLDG D	1526.56

Common area	Floor area (m²)
Lift car (No. 8)	-

Common area	Floor area (m²)
Fire Stairs (BLDG D)	472.52

Common areas of unit building - Building A

Common area	Floor area (m²)
Lift car (No. 1)	-
Hallway/lobby BLDG A	698.76

Common area	Floor area (m²)
Lift car (No. 2)	-

Common area	Floor area (m²)
Fire Stairs (BLDG A)	282.6

Common areas of unit building - Building B

Common area	Floor area (m²)
Lift car (No. 3)	-
Hallway/lobby BLDG B	1502.99

Common area	Floor area (m²)
Lift car (No. 4)	-

Common area	Floor area (m²)
Fire Stairs (BLDG B)	533.14

Common areas of unit building - Building C

Common area	Floor area (m²)
Lift car (No. 5)	-
Hallway/lobby BLDG C	1212.24

Common area	Floor area (m²)
Lift car (No. 6)	-

Common area	Floor area (m²)
Fire Stairs (BLDG C)	417.24

Common areas of the development (non-building specific)

Common area	Floor area (m²)
Car park area (B2)	8921.0
Switch / Comms Rooms	74.7

Common area	Floor area (m²)
Car park area (Level 2 and 3)	6945.34
Garbage rooms (Combined)	101.74

Common area	Floor area (m²)
Lift car (No. 10)	-
Plant or service room (General)	699.4

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - Building D

(a) Dwellings

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

(b) Common areas and central systems/facilities

- (i) Water
- (ii) Energy

2. 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

3. 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

4. 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

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

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 D

(a) Dwellings

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.			
(b) The applicant must plant indigenous or low water use species of vegetation throughout the area of land specified for the dwelling in the "Indigenous species" column of the table below, as private landscaping for that dwelling. (This area of indigenous vegetation is to be contained within the "Area of garden and lawn" for the dwelling specified in the "Description of Project" table).	✓	✓	
(c) If a rating is specified in the table below for a fixture or appliance to be installed in the dwelling, the applicant must ensure that each such fixture and appliance meets the rating specified for it.		✓	✓
(d) The applicant must install an on demand hot water recirculation system which regulates all hot water use throughout the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below.		✓	✓
(e) The applicant must install:			
(aa) a hot water diversion system to all showers, kitchen sinks and all basins in the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below; and		✓	✓
(bb) a separate diversion tank (or tanks) connected to the hot water diversion systems of at least 100 litres. The applicant must connect the hot water diversion tank to all toilets in the dwelling.		✓	✓
(e) The applicant must not install a private swimming pool or spa for the dwelling, with a volume exceeding that specified for it in the table below.	✓	✓	
(f) If specified in the table, that pool or spa (or both) must have a pool cover or shading (or both).		✓	
(g) The pool or spa must be located as specified in the table.	✓	✓	
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in the table below. Each system must be configured to collect run-off from the areas specified (excluding any area which supplies any other alternative water supply system), and to divert overflow as specified. Each system must be connected as specified.	✓	✓	✓

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	3 star (> 6 but <= 7.5 L/min)	4 star	3 star	3 star	no	-	-	-	-	-	-	-	-	-

	Alternative water source							
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
All dwellings	on-site recycled water system (no. 1)	See central systems	See central systems	-	yes	yes	-	-
None	-		-	-	-	-	-	-

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

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

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	central hot water system 4	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 on / timer off

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
All dwellings	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	-	2 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

Dwelling no.	Individual pool		Individual spa		Appliances & other efficiency measures							
	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	-	yes	4 star	3 star	4 star	-	-

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
(c) The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX Certificate, including the details shown in the "Thermal Loads" table below.			
(d) The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Thermal Comfort Protocol requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor, to certify that this is the case.			
(e) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.			

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(f) The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		✓	✓
(g) Where there is an in-slab heating or cooling system, the applicant must: (aa) Install insulation with an R-value of not less than 1.0 around the vertical edges of the perimeter of the slab; or (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
D0201	63.7	13.9
D0202	43.0	15.7
D0203	51.0	15.1
D0301	42.7	11.6
D0302	28.7	14.3
D0303	39.6	16.0
D0401	50.2	24.7
D0402	62.1	9.5
D0403	65.8	13.0
D0405	33.1	18.6
D0406	38.6	23.8
D0407	43.2	20.6
D0408	60.5	12.2
D0409	57.9	15.0
D0410	57.3	21.5

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
D0411	27.9	21.8
D0905	40.5	20.2
D0906	42.9	24.5
D0910	58.6	22.9
D0911	32.8	23.4
D1901	53.1	21.9
D1902	55.9	10.3
D1903	53.8	11.5
D1907	42.8	17.4
D1908	55.9	10.5
D1909	50.2	13.7
D2001	63.3	12.0
D2002	61.5	9.8
D2003	44.1	10.3
D0505, D0605, D0705, D0805	29.8	19.3
D0506, D0606, D0706, D0806	34.5	24.3
D0510, D0610, D0710, D0810	47.2	21.2
D0511, D0611, D0711, D0811	22.9	21.7
D0503, D0603, D0703, D0803, D0903	64.9	15.0
D0508, D0608, D0708, D0808, D0908	52.9	12.7
D1003, D1103, D1203, D1303, D1403, D1503, D1603, D1703, D1803	51.8	11.4
D1008, D1108, D1208, D1308, D1408, D1508, D1608, D1708, D1808	54.0	10.7

Dwelling no.	Thermal loads	
	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
D0501, D0601, D0701, D0801, D0901, D1001, D1101, D1201, D1301, D1401, D1501, D1601, D1701, D1801	49.7	23.4
D0502, D0602, D0702, D0802, D0902, D1002, D1102, D1202, D1302, D1402, D1502, D1602, D1702, D1802	50.5	10.6
D0507, D0607, D0707, D0807, D0907, D1007, D1107, D1207, D1307, D1407, D1507, D1607, D1707, D1807	40.5	17.8
All other dwellings	48.5	13.4

(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 (> 6 but <= 7.5 L/min)	4 star	6 star	no common laundry facility

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

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

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

Common area	Common area ventilation system		Common area lighting		
	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS
Lift car (No. 7)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No. 8)	-	-	light-emitting diode	connected to lift call button	Yes
Fire Stairs (BLDG D)	no mechanical ventilation	-	light-emitting diode	motion sensors	Yes
Hallway/lobby BLDG D	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	Yes

Central energy systems	Type	Specification
Central hot water system (No. 4)	gas-fired storage (manifolded)	Piping insulation (ringmain & supply risers): (b) Piping internal to building: R1.0 (~38 mm)
Lift (No. 7)	gearless traction with V V V F motor	Number of levels (including basement): 21
Lift (No. 8)	gearless traction with V V V F motor	Number of levels (including basement): 21

2. Commitments for Residential flat buildings - Building A

(a) Dwellings

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.			
(b) The applicant must plant indigenous or low water use species of vegetation throughout the area of land specified for the dwelling in the "Indigenous species" column of the table below, as private landscaping for that dwelling. (This area of indigenous vegetation is to be contained within the "Area of garden and lawn" for the dwelling specified in the "Description of Project" table).	✓	✓	
(c) If a rating is specified in the table below for a fixture or appliance to be installed in the dwelling, the applicant must ensure that each such fixture and appliance meets the rating specified for it.		✓	✓
(d) The applicant must install an on demand hot water recirculation system which regulates all hot water use throughout the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below.		✓	✓
(e) The applicant must install:			
(aa) a hot water diversion system to all showers, kitchen sinks and all basins in the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below; and		✓	✓
(bb) a separate diversion tank (or tanks) connected to the hot water diversion systems of at least 100 litres. The applicant must connect the hot water diversion tank to all toilets in the dwelling.		✓	✓
(e) The applicant must not install a private swimming pool or spa for the dwelling, with a volume exceeding that specified for it in the table below.	✓	✓	
(f) If specified in the table, that pool or spa (or both) must have a pool cover or shading (or both).		✓	
(g) The pool or spa must be located as specified in the table.	✓	✓	
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in the table below. Each system must be configured to collect run-off from the areas specified (excluding any area which supplies any other alternative water supply system), and to divert overflow as specified. Each system must be connected as specified.	✓	✓	✓

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	3 star (> 6 but <= 7.5 L/min)	4 star	3 star	3 star	no	-	-	-	-	-	-	-	-	-

	Alternative water source							
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
All dwellings	on-site recycled water system (no. 1)	See central systems	See central systems	-	yes	yes	-	-
None	-	-	-	-	-	-	-	-

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

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

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

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
A1005, A1105, A1205, A1305, A1405, A1505, A1605, A1705, A1805	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	-	4 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no
A0401, A0501, A0601, A0701, A0801, A0901, A1001, A1101, A1201, A1301, A1401, A1501, A1601, A1701, A1801	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	-	3 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
A0402, A0403, A0405, A0406, A0407, A0502, A0503, A0505, A0506, A0507, A0602, A0603, A0605, A0606, A0607, A0702, A0703, A0705, A0706, A0707, A0802, A0803, A0805, A0806, A0807, A0902, A0903, A0905, A0906, A0907, A1002, A1003, A1102, A1103, A1202, A1203, A1302, A1303, A1402,	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	-	2 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
A1403, A1502, A1503, A1602, A1603, A1702, A1703, A1802, A1803												

Dwelling no.	Individual pool		Individual spa		Appliances & other efficiency measures							
	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	-	yes	4 star	3 star	4 star	-	-

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

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

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
A0901	56.0	17.0
A0905	30.5	11.9
A0906	45.3	21.3
A0907	48.8	18.5
A1001	52.5	32.8
A1801	64.5	36.8
A1802	61.4	10.8
A1803	44.3	12.2
A1805	49.2	27.8
A0401, A0501, A0601, A0701, A0801	52.5	18.6

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
A0405, A0505, A0605, A0705, A0805	26.9	12.2
A0406, A0506, A0606, A0706, A0806	34.7	22.6
A0407, A0507, A0607, A0707, A0807	35.0	19.6
A1101, A1201, A1301, A1401, A1501, A1601, A1701	52.6	32.9
A1005, A1105, A1205, A1305, A1405, A1505, A1605, A1705	55.0	26.3
A0402, A0502, A0602, A0702, A0802, A0902, A1002, A1102, A1202, A1302, A1402, A1502, A1602, A1702	51.2	12.1
All other dwellings	32.9	13.5

(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 (> 6 but <= 7.5 L/min)	4 star	6 star	no common laundry facility

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

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

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

Common area	Common area ventilation system		Common area lighting		
	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS
Lift car (No. 1)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No. 2)	-	-	light-emitting diode	connected to lift call button	Yes
Fire Stairs (BLDG A)	no mechanical ventilation	-	light-emitting diode	motion sensors	Yes
Hallway/lobby BLDG A	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	Yes

Central energy systems	Type	Specification
Central hot water system (No. 1)	gas-fired storage (manifolded)	Piping insulation (ringmain & supply risers): (b) Piping internal to building: R1.0 (~38 mm)
Lift (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 19
Lift (No. 2)	gearless traction with V V V F motor	Number of levels (including basement): 19

3. Commitments for Residential flat buildings - Building B

(a) Dwellings

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.			
(b) The applicant must plant indigenous or low water use species of vegetation throughout the area of land specified for the dwelling in the "Indigenous species" column of the table below, as private landscaping for that dwelling. (This area of indigenous vegetation is to be contained within the "Area of garden and lawn" for the dwelling specified in the "Description of Project" table).	✓	✓	
(c) If a rating is specified in the table below for a fixture or appliance to be installed in the dwelling, the applicant must ensure that each such fixture and appliance meets the rating specified for it.		✓	✓
(d) The applicant must install an on demand hot water recirculation system which regulates all hot water use throughout the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below.		✓	✓
(e) The applicant must install: (aa) a hot water diversion system to all showers, kitchen sinks and all basins in the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below; and (bb) a separate diversion tank (or tanks) connected to the hot water diversion systems of at least 100 litres. The applicant must connect the hot water diversion tank to all toilets in the dwelling.		✓ ✓	✓ ✓
(e) The applicant must not install a private swimming pool or spa for the dwelling, with a volume exceeding that specified for it in the table below.	✓	✓	
(f) If specified in the table, that pool or spa (or both) must have a pool cover or shading (or both).		✓	
(g) The pool or spa must be located as specified in the table.	✓	✓	
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in the table below. Each system must be configured to collect run-off from the areas specified (excluding any area which supplies any other alternative water supply system), and to divert overflow as specified. Each system must be connected as specified.	✓	✓	✓

	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	3 star (> 6 but <= 7.5 L/min)	4 star	3 star	3 star	no	-	-	-	-	-	-	-	-	-

	Alternative water source							
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
All dwellings	on-site recycled water system (no. 1)	See central systems	See central systems	-	yes	yes	-	-
None	-	-	-	-	-	-	-	-

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

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

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	central hot water system 2	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual on / timer off

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
All dwellings	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	-	2 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

Dwelling no.	Individual pool		Individual spa		Appliances & other efficiency measures							
	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	-	yes	4 star	3 star	4 star	-	-

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
(c) The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX Certificate, including the details shown in the "Thermal Loads" table below.			
(d) The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Thermal Comfort Protocol requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor, to certify that this is the case.			
(e) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.			

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(f) The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		✓	✓
(g) Where there is an in-slab heating or cooling system, the applicant must: (aa) Install insulation with an R-value of not less than 1.0 around the vertical edges of the perimeter of the slab; or (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
B0207	57.3	30.2
B0208	46.3	32.8
B0305	47.6	22.6
B0307	51.7	24.0
B0406	51.2	23.4
B1706	51.5	17.5
B1707	45.2	20.2
B1708	45.5	20.6
B1709	38.1	20.3
B2201	41.4	18.0
B2202	54.1	14.4
B2203	51.5	15.8
B2301	50.2	17.4
B2302	62.5	17.3
B2303	57.0	12.2

Dwelling no.	Thermal loads	
	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
B2105, B2205	65.3	21.6
B1802, B1902, B2002, B2102	49.7	14.8
B1806, B1906, B2006, B2106, B2206	49.7	12.0
B0506, B0606, B0706, B0806, B0906, B1006, B1106, B1206, B1306, B1406, B1506, B1606	54.8	18.6
B0407, B0507, B0607, B0707, B0807, B0907, B1007, B1107, B1207, B1307, B1407, B1507, B1607	58.1	22.6
B0308, B0408, B0508, B0608, B0708, B0808, B0908, B1008, B1108, B1208, B1308, B1408, B1508, B1608	42.5	22.9
B0209, B0309, B0409, B0509, B0609, B0709, B0809, B0909, B1009, B1109, B1209, B1309, B1409, B1509, B1609	33.2	23.4
B0202, B0302, B0402, B0502, B0602, B0702, B0802, B0902, B1002, B1102, B1202, B1302, B1402, B1502, B1602, B1702	62.1	19.7
B0205, B0405, B0505, B0605, B0705, B0805, B0905, B1005, B1105, B1205, B1305, B1405, B1505, B1605, B1705, B1805, B1905, B2005	61.8	22.0
B0201, B0301, B0401, B0501, B0601, B0701, B0801, B0901, B1001, B1101, B1201, B1301, B1401, B1501, B1601, B1701, B1801, B1901, B2001, B2101	64.0	20.1
All other dwellings	47.8	16.5

(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 (> 6 but <= 7.5 L/min)	4 star	6 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Fire sprinkler system (No. 2)	-	-	-

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

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

Common area	Common area ventilation system		Common area lighting		
	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS
Lift car (No. 3)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No. 4)	-	-	light-emitting diode	connected to lift call button	Yes
Fire Stairs (BLDG B)	no mechanical ventilation	-	light-emitting diode	motion sensors	Yes
Hallway/lobby BLDG B	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	Yes

Central energy systems	Type	Specification
Central hot water system (No. 2)	gas-fired storage (manifolded)	Piping insulation (ringmain & supply risers): (b) Piping internal to building: R1.0 (~38 mm)
Lift (No. 3)	gearless traction with V V V F motor	Number of levels (including basement): 26
Lift (No. 4)	gearless traction with V V V F motor	Number of levels (including basement): 26

4. 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.		✓	✓
(d) The applicant must install an on demand hot water recirculation system which regulates all hot water use throughout the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below.		✓	✓
(e) The applicant must install:			
(aa) a hot water diversion system to all showers, kitchen sinks and all basins in the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below; and		✓	✓
(bb) a separate diversion tank (or tanks) connected to the hot water diversion systems of at least 100 litres. The applicant must connect the hot water diversion tank to all toilets in the dwelling.		✓	✓
(e) The applicant must not install a private swimming pool or spa for the dwelling, with a volume exceeding that specified for it in the table below.	✓	✓	
(f) If specified in the table, that pool or spa (or both) must have a pool cover or shading (or both).		✓	
(g) The pool or spa must be located as specified in the table.	✓	✓	
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in the table below. Each system must be configured to collect run-off from the areas specified (excluding any area which supplies any other alternative water supply system), and to divert overflow as specified. Each system must be connected as specified.	✓	✓	✓

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	3 star (> 6 but <= 7.5 L/min)	4 star	3 star	3 star	no	-	-	-	-	-	-	-	-	-

	Alternative water source							
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
All dwellings	on-site recycled water system (no. 1)	See central systems	See central systems	-	yes	yes	-	-
None	-		-	-	-	-	-	-

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

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

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	central hot water system 3	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual on / timer off

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
All dwellings	1-phase airconditioning EER 3.5 - 4.0	-	1-phase airconditioning EER 3.5 - 4.0	-	2 (dedicated)	1 (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	yes (dedicated)	0	no

Dwelling no.	Individual pool		Individual spa		Appliances & other efficiency measures							
	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	-	yes	4 star	3 star	4 star	-	-

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.			
(b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
(c) The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX Certificate, including the details shown in the "Thermal Loads" table below.			
(d) The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Thermal Comfort Protocol requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor, to certify that this is the case.			
(e) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.			

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(f) The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		✓	✓
(g) Where there is an in-slab heating or cooling system, the applicant must: (aa) Install insulation with an R-value of not less than 1.0 around the vertical edges of the perimeter of the slab; or (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
C0201	49.1	33.2
C0402	33.5	13.7
C0403	55.9	21.9
C0415	60.7	20.9
C0416	57.4	30.5
C0502	24.0	18.7
C1406	56.6	24.5
C1407	58.1	19.6
C1408	42.4	21.0
C1409	40.7	20.5
C1701	53.0	21.2
C1702	33.6	16.4
C1703	51.6	17.6
C1705	55.4	17.3
C1801	64.1	15.0

	Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)
C1802	39.7	30.2
C1803	55.5	27.0
C0206, C0306	49.5	23.4
C0301, C0401	48.4	27.8
C1506, C1606, C1706	49.3	12.3
C0506, C0606, C0706, C0806, C0906, C1006, C1106, C1206, C1306	59.9	27.6
C0602, C0702, C0802, C0902, C1002, C1102, C1202, C1302, C1402, C1502, C1602	28.2	16.0
C0207, C0307, C0407, C0507, C0607, C0707, C0807, C0907, C1007, C1107, C1207, C1307	49.9	24.4
C0208, C0308, C0408, C0508, C0608, C0708, C0808, C0908, C1008, C1108, C1208, C1308	37.4	22.9
C0209, C0309, C0409, C0509, C0609, C0709, C0809, C0909, C1009, C1109, C1209, C1309	37.4	24.1
C0501, C0601, C0701, C0801, C0901, C1001, C1101, C1201, C1301, C1401, C1501, C1601	49.2	22.1
C0503, C0603, C0703, C0803, C0903, C1003, C1103, C1203, C1303, C1403, C1503, C1603	49.2	18.2
All other dwellings	52.8	16.8

(b) Common areas and central systems/facilities

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	3 star (> 6 but <= 7.5 L/min)	4 star	6 star	no common laundry facility

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

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

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

Common area	Common area ventilation system		Common area lighting		
	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS
Lift car (No. 5)	-	-	light-emitting diode	connected to lift call button	Yes
Lift car (No. 6)	-	-	light-emitting diode	connected to lift call button	Yes
Fire Stairs (BLDG C)	no mechanical ventilation	-	light-emitting diode	motion sensors	Yes
Hallway/lobby BLDG C	no mechanical ventilation	-	light-emitting diode	time clock and motion sensors	Yes

Central energy systems	Type	Specification
Central hot water system (No. 3)	gas-fired storage (manifolded)	Piping insulation (ringmain & supply risers): (b) Piping internal to building: R1.0 (~38 mm)
Lift (No. 5)	gearless traction with V V V F motor	Number of levels (including basement): 20
Lift (No. 6)	gearless traction with V V V F motor	Number of levels (including basement): 20

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.		✓	✓
(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 (> 6 but ≤ 7.5 L/min)	4 star	6 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Central on-site recycled/alternative water supply (No. 1)	To supply at least 99999.0 litres of recycled water per day to the development (over and above the system's committed capacity, if any)	-	- Irrigation of 1997.3 square metres of common landscape area on the site - car washing in 1 car washing bays on the site
Reticulated alternative water supply	-	Installation of plumbing to make provision for connection to No scheme found reticulated alternative water supply.	

Central systems	Size	Configuration	Connection (to allow for...)
Pool (No. 1)	Volume: 155.0 kLs	Location: Other Pool shaded: no	-

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

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS
Car park area (B2)	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	time clock and motion sensors	Yes
Car park area (Level 2 and 3)	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	light-emitting diode	daylight sensor and motion sensor	Yes
Lift car (No. 10)	-	-	light-emitting diode	connected to lift call button	Yes
Switch / Comms Rooms	ventilation supply only	thermostatically controlled	compact fluorescent	motion sensors	Yes
Garbage rooms (Combined)	ventilation exhaust only	-	compact fluorescent	motion sensors	Yes
Plant or service room (General)	ventilation (supply + exhaust)	thermostatically controlled	compact fluorescent	motion sensors	Yes

Central energy systems	Type	Specification
Lift (No. 10)	gearless traction with V V V F motor	Number of levels (including basement): 1
Pool (No. 1)	Heating source: no heating	Pump controlled by timer: 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).

Appendix C – Landscape Areas Mark-Up



NOTES

Refer to check and verify all dimensions, including all tolerances for building, structure and equipment. Typical dimensions shall be provided over wall dimensions. Refer to verify any discrepancies immediately to the Architect prior to the commencement of works. Do not scale drawings. This drawing is for information only and cannot be reproduced in whole or in part or by any means without the written permission of the Architect.

Thang & Lee Architects Pty Ltd (a/s) Architects

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DA - denotes for development application purpose only
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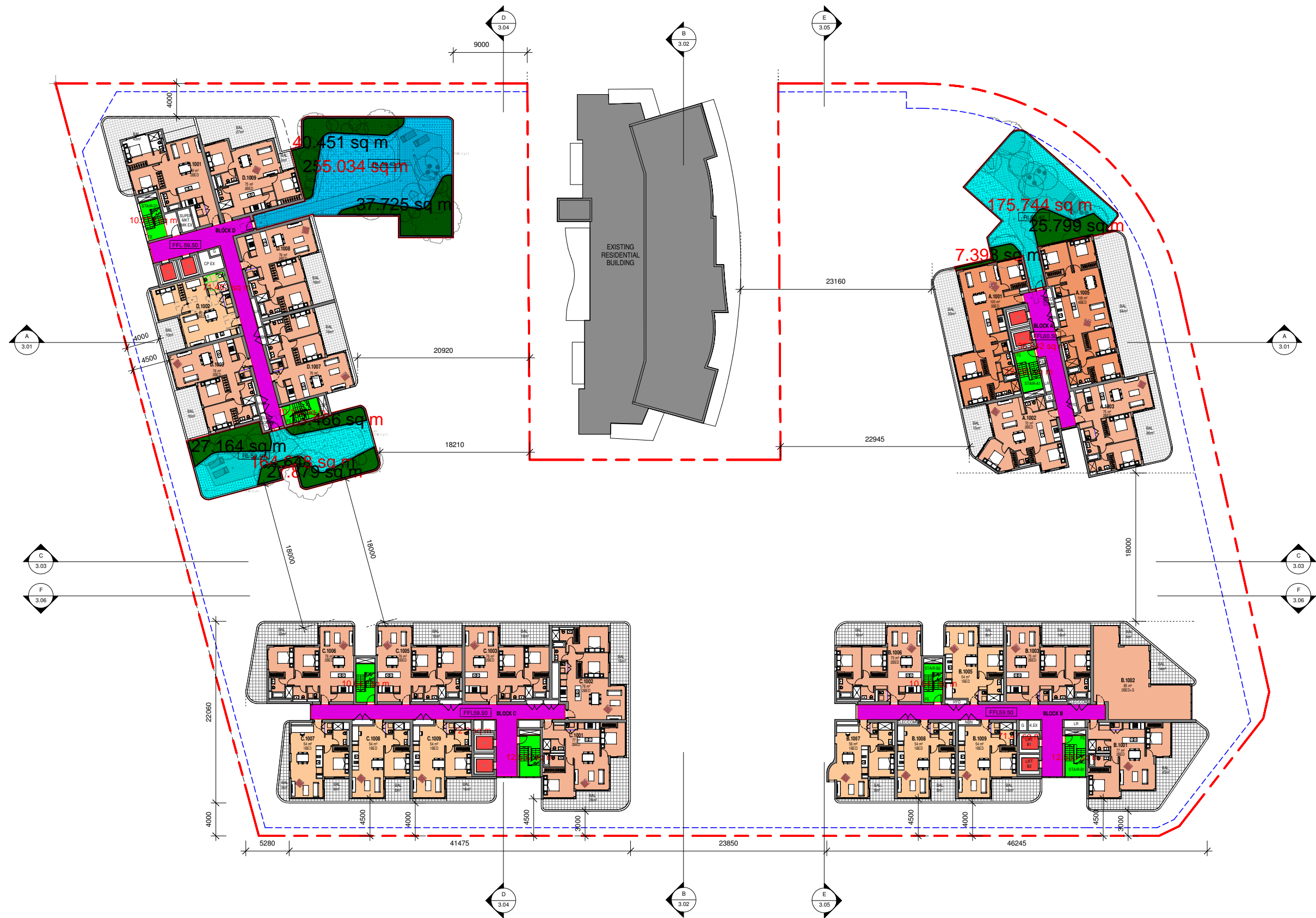
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DRAWING NO.
16003 / DA1.07
STATUS
DA
DRAWN BY
Author
CHECKED BY
Checker

REVISION
SCALE
1 : 250
@ A1

PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 4 FLOOR PLAN



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2016.03.09	DA	Submission						

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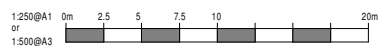
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DRAWING NO.	REVISION	PROJECT TITLE
16003 / DA1.13		BANKSTOWN COMPASS CENTRE 83-99 NORTH TERRACE, BANKSTOWN
STATUS	SCALE	DRAWING TITLE
DA	1 : 250 @ A1	LEVEL 10 FLOOR PLAN
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Author	Checker	

[illegible]

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



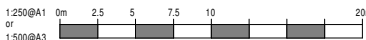
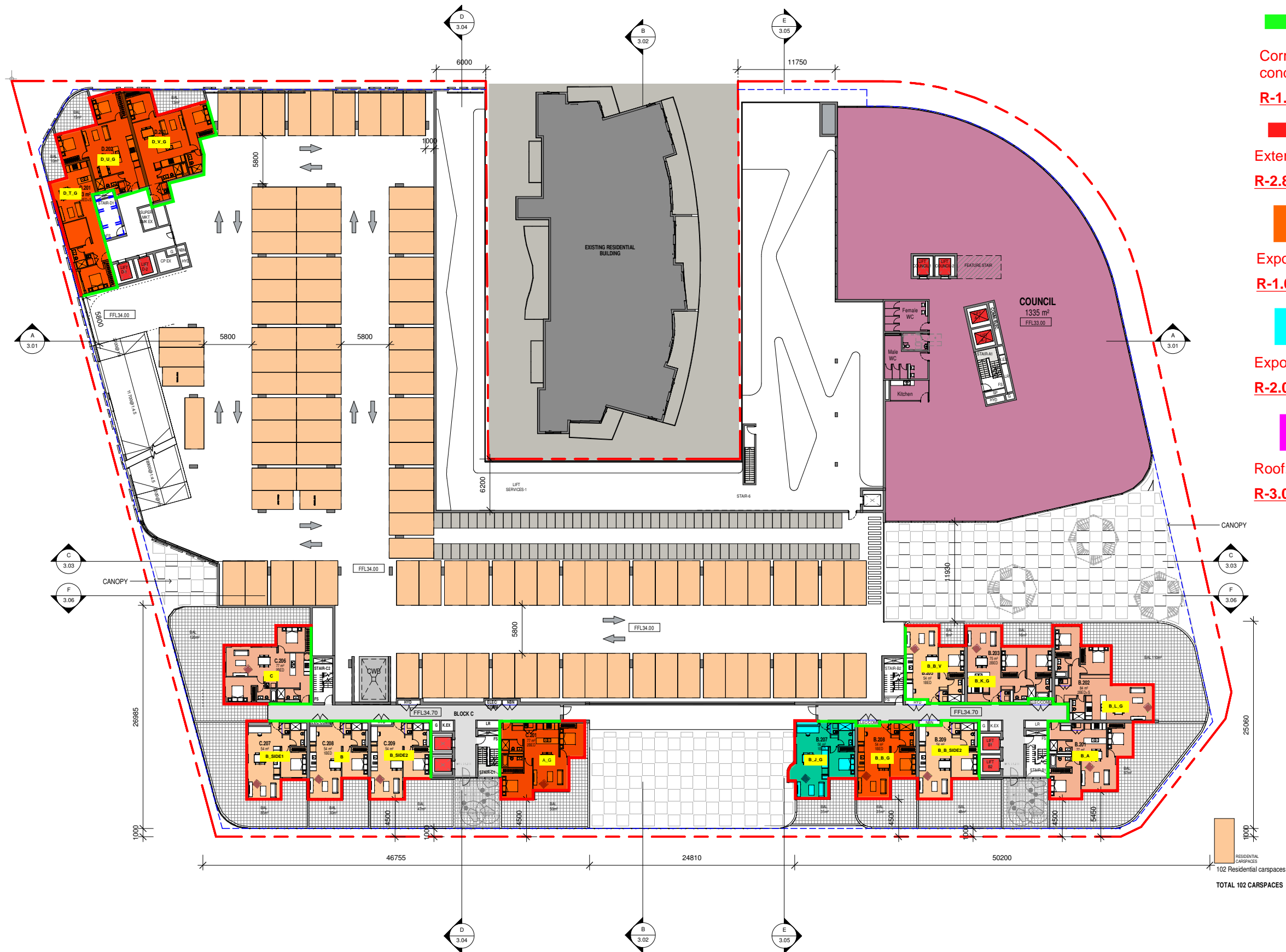
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



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16003 / DA1.05		BANKSTOWN COMPASS CENTRE 83-99 NORTH TERRACE, BANKSTOWN
STATUS	SCALE	DRAWING TITLE
DA	1 : 250 @ A1	LEVEL 2 FLOOR PLAN
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Author	Checker	

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



Exposed Floor Slab(Balcony below):

R-2.0 Added

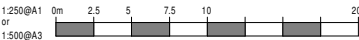


Roof:

R-3.0 Added



106 Residential carspaces
TOTAL 106 CARSPACES



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BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 3 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



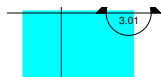
External Wall:

R-2.8 Added



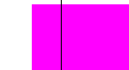
Exposed Floor Slab(commercial below):

R-1.0 Added



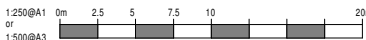
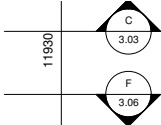
Exposed Floor Slab(Exposed floor or car park below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.09.09	DA Submission							

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STATUS	SCALE
DA	1 : 250 @ A1
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Author	Checker

PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 4 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



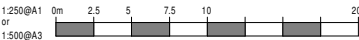
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
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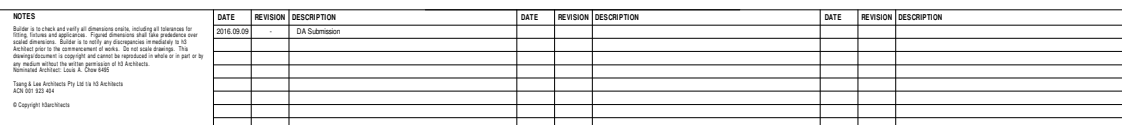
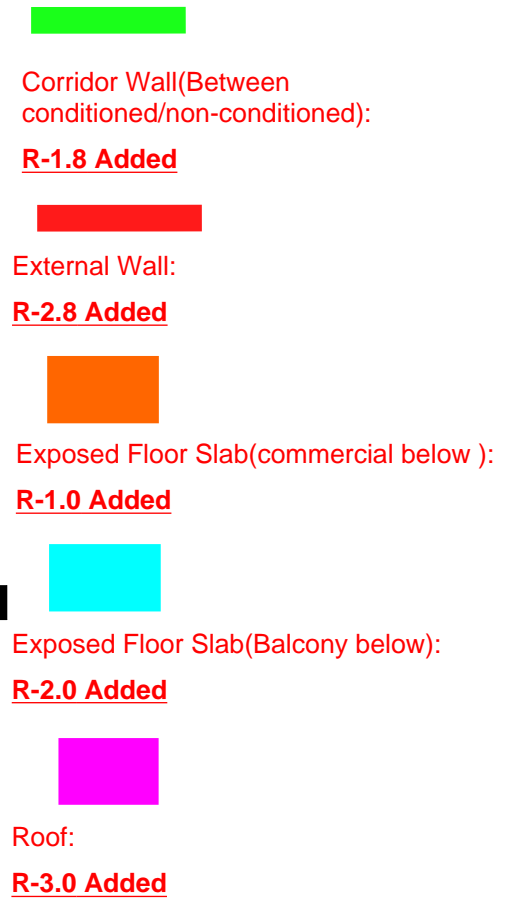


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w hatchers.com.au

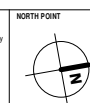
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w hatchers.com.au

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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 5 FLOOR PLAN



IMPORTANT NOTES ON DRAWING NUMBERS:	
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PROJECT TITLE	BANKSTOWN COMPASS CENTRE 83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE	LEVEL 6 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



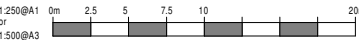
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.05.09	DA Submission							

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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 7 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.03.09	DA	Submission						

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IMPORTANT NOTES ON DRAWING NUMBERS:
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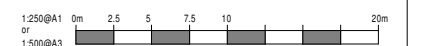
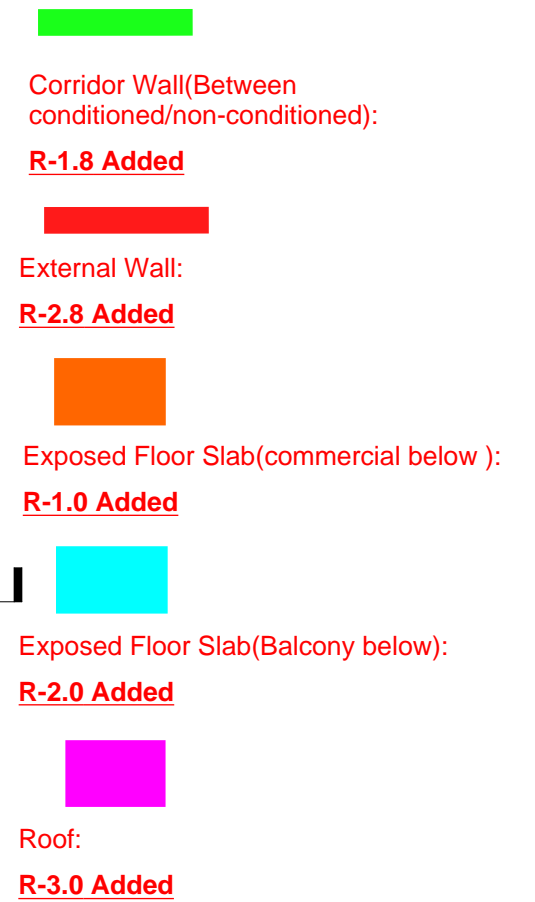


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DA	1 : 250
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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 8 FLOOR PLAN

[illegible]

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



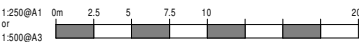
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.03.09	DA	Submission						

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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 10 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



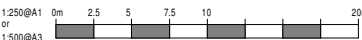
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.03.09	DA Submission							

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16003 / DA1.14		BANKSTOWN COMPASS CENTRE 83-99 NORTH TERRACE, BANKSTOWN
STATUS	SCALE	DRAWING TITLE
DA	1 : 250 @ A1	LEVEL 11 FLOOR PLAN
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LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.03.09	DA	Submission						

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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 12 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):
R-1.8 Added



External Wall:
R-2.8 Added



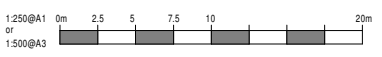
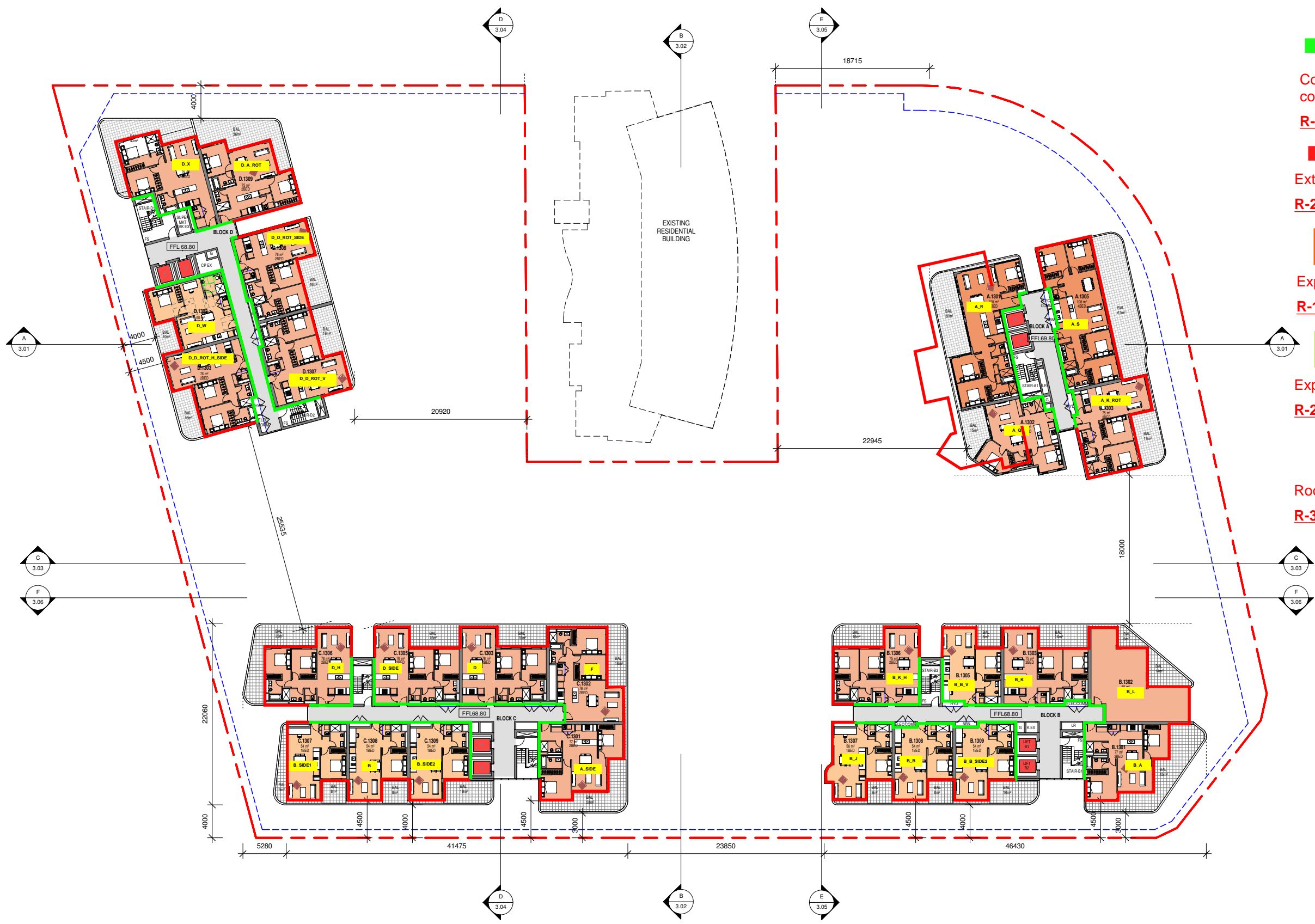
Exposed Floor Slab(commercial below):
R-1.0 Added



Exposed Floor Slab(Balcony below):
R-2.0 Added



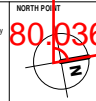
Roof:
R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.08.09	DA Submission							

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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 13 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



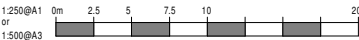
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.03.09	DA Submission							

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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 14 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



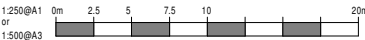
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.03.09	DA Submission							

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1 : 250
@ A1

PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 15 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



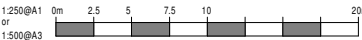
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
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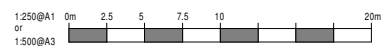
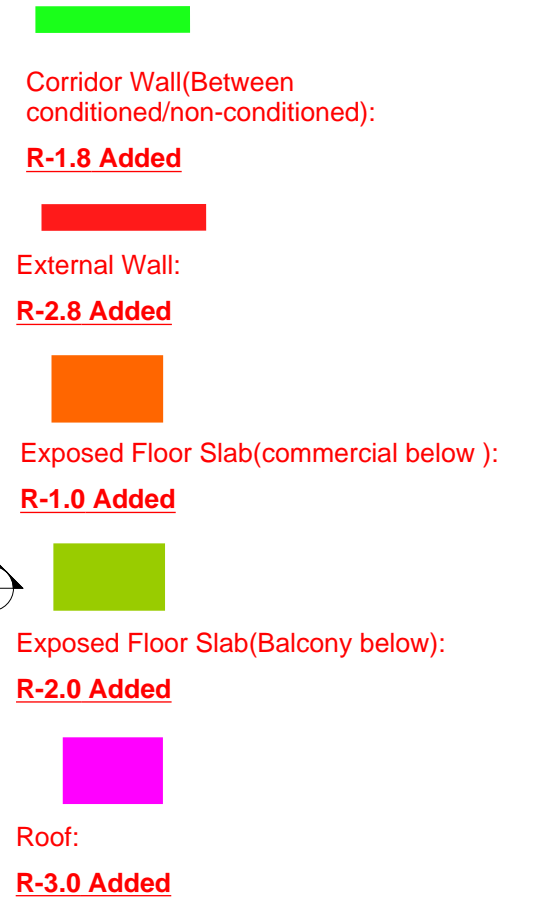


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16003 / DA1.19	
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DA	1 : 250 @ A1
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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 16 FLOOR PLAN



PROJECT TITLE	BANKSTOWN COMPASS CENTRE 83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE	LEVEL 17 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



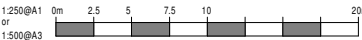
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 18 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



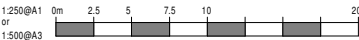
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 19 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



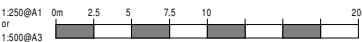
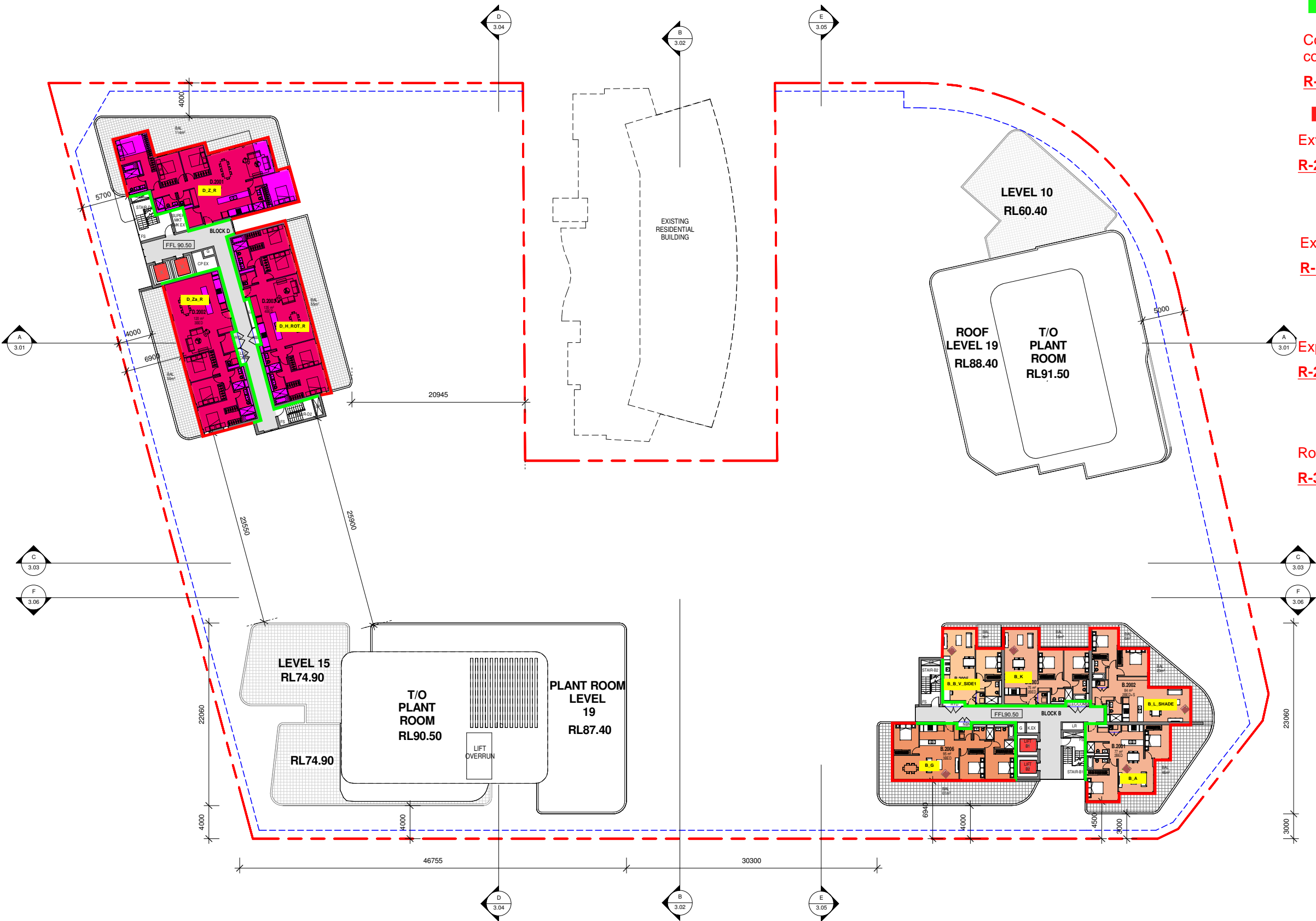
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 20 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



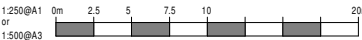
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.05.09	DA Submission							

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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 21 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



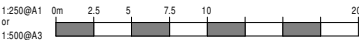
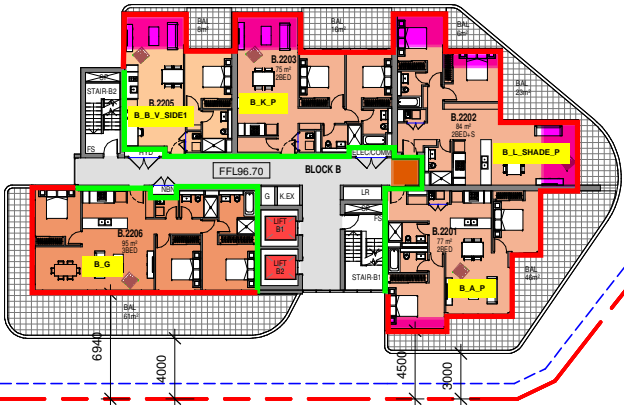
Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.05.09	DA Submission							

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PROJECT TITLE
BANKSTOWN COMPASS CENTRE
83-99 NORTH TERRACE, BANKSTOWN
DRAWING TITLE
LEVEL 22 FLOOR PLAN

LEGEND:



Corridor Wall(Between conditioned/non-conditioned):

R-1.8 Added



External Wall:

R-2.8 Added



Exposed Floor Slab(commercial below):

R-1.0 Added



Exposed Floor Slab(Balcony below):

R-2.0 Added



Roof:

R-3.0 Added



DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION	DATE	REVISION	DESCRIPTION
2016.09.09	DA Submission							

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IMPORTANT NOTES ON DRAWING NUMBERS:
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DRAWING TITLE
LEVEL 23 FLOOR PLAN