

10 VALENTINE AVENUE PARRAMATTA BASIX Report

Project No.	P01114
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Client	Holdmark NSW Pty Ltd



E-LAB Consulting
Where Engineering and Science Inspire Design.





Issue And Revision Record

Revision	Date	Comments	Engineer	Reviewer
01	28.11.2025	SSDA_Draft	SE	NA/AK
02	16.12.2025	Issue of TOA	SE	NA/AK
03	26.02.2026	SSDA Submission	SE	NA/AK
04				

The building's energy and water performance are computed using the online BASIX tool and an energy model developed for thermal comfort and provides only an estimation and potential performance of the building.

This cannot be used alone to determine performance in actual practice as they are based on the idealised version of the building which does not and cannot fully consider all the complexities of the building's maintenance and operation.

Engineering Lab NSW Pty Ltd

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E-LAB Consulting

Alex Kobler | Director

Sustainability

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We recognise the Traditional Custodians of the land on which the proposed development will be constructed. We respect their enduring cultural and spiritual connections to the land and waters, and celebrate their knowledge, kinship, and values. We acknowledge that these connections to the land and waters have existed for millennia and will continue into the future. We respect the Elders who have gone before, together with those of today for their guidance on our shared journey. We recognise that we are, and always will be, on Aboriginal land.



Executive Summary

E-LAB Consulting are engaged by Holdmark NSW Pty Ltd to provide BASIX compliance consultancy for the residential portion of the development at 10 Valentine Avenue, Parramatta. The intent of this report is to confirm the minimum requirements to satisfy the legislated minimum BASIX requirements for certification.

E-LAB have assessed the development and confirm that based on the design of the 10 Valentine Avenue, Parramatta development and the inputs provided to BASIX, the proposal is positioned to comply with the requirements of BASIX. The information and performance required to achieve this is contained within this report

This report outlines the results of the BASIX assessment; and details of how each section is independently meeting minimum legislated BASIX benchmarks using various sustainability opportunities the development is considering for BASIX certification. The minimum compliance requirements are per the below:

Table 1: BASIX Summary

Area	Minimum Compliance Requirement	Project Score
Energy	63%	64%
Water	40%	41%
Thermal Comfort	Pass	Pass
Material Index	No Target	Pass

Note: Percentages stated for Energy and Water are the percentage improvement upon the NSW average dwelling's consumption.

1 Introduction

1.1 Purpose

This report has been prepared to support a State Significant Development Application (SSDA) SSD- 90243456 and concurrent Rezoning Application (RA) for the site at 10 Valentine Avenue Parramatta.

The Minister for Planning, or their delegate, is the consent authority for the SSDA and this application is lodged with the NSW Department of Planning, Housing and Infrastructure (DPHI) for assessment.

This report has been prepared in response to the requirements contained within the Secretary's Environmental Assessment Requirements (SEARs) dated 12 September 2025 (SSD- 90243456).

This report has been prepared by E-LAB Consulting (E-LAB) at the request of Holdmark NSW Pty Ltd. Its purpose is to demonstrate compliance with the minimum legislated BASIX benchmarks for certification. It highlights the inputs and development requirements for the BASIX compliance.

This report has found that based on the design of the 10 Valentine Avenue, Parramatta development and the inputs provided to BASIX, the proposal is positioned to comply with the requirements of BASIX.

1.2 Site Location

The site at 10 Valentine Avenue, Parramatta, is located within the City of Parramatta Local Government Area (LGA), approximately 19km northwest of Sydney CBD and 16km northeast of Liverpool CBD. The site covers 3,937m² and is legally described as Lot 2 in DP 1119257.

The southern part of the site is currently occupied by six-level above ground carpark with 286 spaces. The northern portion of the site is occupied by 13-storey commercial office building with basement levels. Vehicular access into the site is available via the combined entry in the existing commercial building at 10 Valentine Avenue. An additional egress point from the above ground carpark is located to the south of the entry and provides exit only access onto Valentine Avenue.

The site is positioned within the Parramatta CBD, which is approximately 19km north west of the Sydney CBD and 16km north east of the Liverpool CBD. The site is located just southeast of Parramatta Railway Station, approximately 440 metres from the planned Parramatta Metro Station. It is also approximately 2 kilometres southeast of the future Westmead Metro Station on the eastern side of Hawkesbury Road.

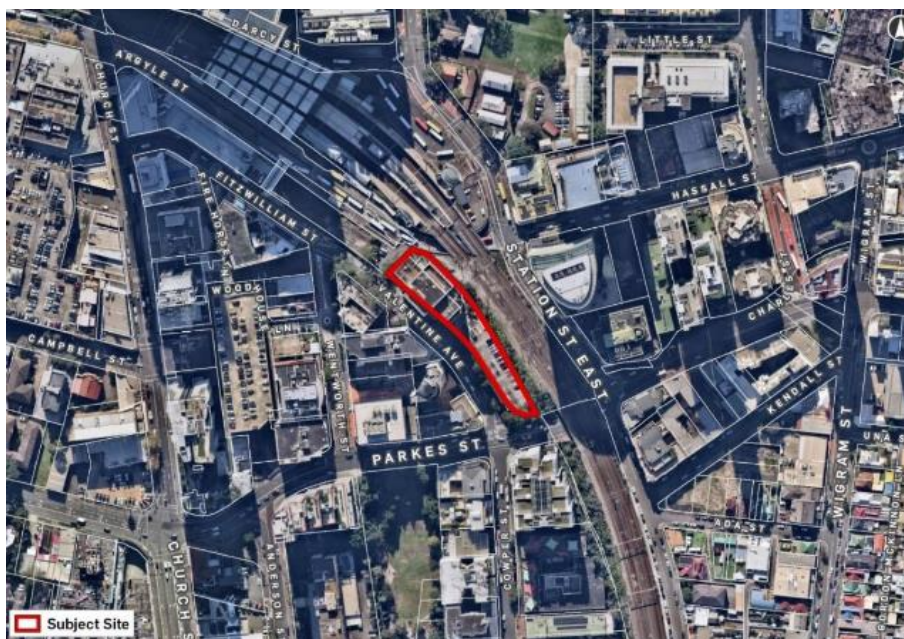


Figure 1: Site Location (source: Google Maps)



1.3 Design Documentation

This assessed is based on the Architectural Package provided by Buchan issued as D 20.02.2026 SSDA Submission.

1.4 Project Overview

The application seeks development consent for the redevelopment of the site for a mixed-use development comprising residential accommodation (shop top housing and co-living housing) and retail uses.

Specifically, this application seeks approval for the following:

- Demolition of the existing multi-deck car park.
- Demolition of existing internal fit-out within the commercial building.
- Site preparation works including:
 - Removal of trees as outlined in the Arborist Report.
 - Excavation on the southern portion of the site to a maximum depth of six basement levels.
- Construction of a 72-storey shop-top housing building, which will accommodate:
 - Six levels of basement with 144 car parking spaces, bicycle parking, services, waste storage.
 - Lobby, retail premises and loading dock at ground level.
 - 479 residential apartments on Levels 1-70.
 - Communal open space and resident amenities on level 5 and level 71.
 - Rooftop plant on level 72.
 - Vehicular access provided via Valentine Avenue.
 - Dedication of 3% of dwellings as affordable housing.
- Change of use of from commercial premises to co-living housing and ancillary retail.
- Alterations and additions to the existing commercial premises to accommodate co-living housing including:
 - Upgrade to existing internal lift access.
 - Alterations to the basement with amenity, laundry, jam space, manager's office and 17 co-living housing spaces.
 - Ground level retail premises and communal internal facilities including a gym, yoga room and wellness lounge.
 - Upper levels: Co-living housing providing 608 beds across 440 units in private rooms, and 2-, 3- and 4-room configurations, communal internal facilities on each level and communal open spaces on level 7 and level 14.
 - Alterations to the building façade.
- Hard and soft landscaping and public domain works along Valentine Avenue and Parkes Street.
- Building identification signage on the shop-top housing building and co-living housing building.
- Stratum subdivision into two lots.
- Extension and augmentation of physical infrastructure and utilities as required.

Refer to Architectural Plans prepared by Buchan collaborating with Furtado Sullivan and Curzon + Partners appended to the Environmental Impact Statement.

A concurrent RA is proposed under the SSDA. The RA seeks to amend the Parramatta Local Environmental Plan 2023 to amend the zoning, height, permissibility and FSR controls for the site.

Refer to the EIS for a full description of the proposed amendments under the RA.



BASIX Summary

1.5 Overview

BASIX Compliance is the minimum sustainability performance requirement in the state of NSW. It serves as the only pathway for compliance to demonstrate compliance with the National Construction Code, Part J.

E-LAB Consulting has completed modelling of all sections of the BASIX assessment; Water, Thermal Comfort and Energy for the 10 Valentine Avenue, Parramatta development.

The BASIX outcome achieved based on the assumptions listed in the report and information provided to date are as follows:

Table 2: BASIX Summary

Area	Minimum Compliance Requirement	Project Score
Energy	63%	64%
Water	40%	41%
Thermal Comfort	Pass	Pass
Material Index	No Target	Pass

1.6 BASIX Certification Details

This Basix report applies to the residential part of the building and its associated common spaces, excluding the co-living tower.

Table 3: Project Summary

Project Name	10 Valentine Avenue, Parramatta
Local Government Area	City of Parramatta
Plan Type	Deposited Plan (DP)
Plan No.	2/--/DP1119257
No. of Residential Buildings	1 Building
Total Number of Units & Townhouses	479
Project Type	Residential Flat Buildings
BASIX Certificate Number	1834601M

1.7 Energy Modelling Software

Simulation method in BASIX has been used to show the thermal comfort compliance. For energy simulations, FirstRate5 (Version 5.5.5) has been used which is approved under Thermal comfort protocol of BASIX since March 2024. This method does not guarantee or warrantee the performance in practical world as it only considers a simplified and idealistic building.

2 BASIX Energy

2.1 Energy

The following minimum standards will be required to comply with the BASIX targets for the project.

Table 4: BASIX Energy Requirements

Design Element	Compliance Criteria
Domestic hot water systems	Centralised electric heat pump (air sourced) with a $3.0 < \text{COP} \leq 3.5$ and minimum R0.3 insulation to internal and external pipework
Cooking	Electric cooktop & electric oven
Mechanical heating and cooling	Central cooling System: Reverse cycle air-conditioning (1-Phase ducted) for all units living and bedroom areas. Minimum EER ratings, Heating 3.0-3.5 Individual heating system: Reverse cycle air-conditioning (1-Phase ducted) for all units living and bedroom areas. Minimum EER ratings, Heating 3.0-3.5
Apartment ventilation	Bathroom: individual fan, ducted to façade or roof – Manual on/off Laundry: individual fan, open to façade or roof – Manual on/off Kitchen range hood: Individual fan, open to façade or roof – Manual on/off
Apartment artificial lighting	LED throughout with dedicated fittings
Indoor or sheltered cloth drying line and Private outdoor or unsheltered clothes drying line	No
Appliances in Apartments (minimum Energy Star rating)	Dishwashers: 4.0 Star Energy Rating for all apartments Clothes Dryers: 8.0 Star Energy Rating for all apartments
Appliances in Common Areas (minimum Energy Star rating)	Clothes Washers: No common laundry facilities Clothes Dryers: No common laundry facilities
Photovoltaic Array	A 25 kW-rated electrical output rooftop photovoltaic system is required for BASIX compliance
Building Management System (BMS)	Yes
Vertical transport	All Lifts: Permanent Magnet Synchronous motor (PMSM) and regenerative drive (≥ 1001 kg)
Spa	Heating system: Electric Resistance and the pump is control by timer
Sauna	Heating source: Electric Resistance and energy efficiency is controlled by BMS



Common area Ventilation & artificial lighting

Common area	Area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure
Gym	49.49	Air conditioning system	Time clock or BMS controlled	Light-emitting diode	Zoned switching
Yoga	49.64	Air conditioning system	Time clock or BMS controlled	Light-emitting diode	Zoned switching
Car Park	5727.73	Ventilation supply only	Carbon monoxide monitor + VSD fan	Light-emitting diode	Zoned switching with motion sensors
Loading Bay	546.55	Ventilation supply only	Carbon monoxide monitor + VSD fan	Light-emitting diode	Zoned switching with motion sensors
COMMS	10.6	Air conditioning system	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Switch Room	54.78	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Waste	165.36	Ventilation exhaust only	N/A	Light-emitting diode	Motion sensors
Co-Working Space	144.31	Air conditioning system	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Games Room	55.5	Air conditioning system	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Private Dining	68.63	Air conditioning system	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Cold Water Meter	12.74	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Cold Water Pump	24.54	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Fire Control Room	17.92	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Fire Pump Room	50.99	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Fire Tank	75.33	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Grease	21.66	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Lift Motor Room	42.85	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Plant	55.23	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Rainwater Filtration and Pump	50.14	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Substation	68.38	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off

Supply Fan Room	96.26	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Vent Fan Room	52.55	Ventilation supply only	Thermostatically controlled	Light-emitting diode	Manual on / manual off
Basement Corridor	16.41	Ventilation supply only	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Bike Storage	1342.03	No mechanical ventilation	N/A	Light-emitting diode	Zoned switching with motion sensors
Toilet	19.46	Ventilation (supply + exhaust)	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Fire Stair	1683.12	No mechanical ventilation	N/A	Light-emitting diode	Zoned switching with motion sensors
Mail	14.06	Ventilation supply only	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Sauna	7.71	Air conditioning system	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Spa and Sauna Indoor Space	211.83	Air conditioning system	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Storage	738.92	No mechanical ventilation	N/A	Light-emitting diode	Zoned switching with motion sensors
Lobby	320.99	Air conditioning system	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Resi Lounge	100.85	Air conditioning system	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
Corridor	4781.67	Ventilation supply only	Time clock or BMS controlled	Light-emitting diode	Zoned switching with motion sensors
All Lifts		N/A	N/A	Light-emitting diode	Connected to lift call button



3 BASIX Thermal Comfort

3.1 Thermal Comfort

The following minimum standards are required to comply with the BASIX Thermal Comfort requirements for the project.

Table 5: BASIX Thermal Comfort Requirements

Design Element	Compliance Criteria
Glazed Doors / Windows	The following glazed elements are used throughout the development: <u>Fixed and Sliding Windows & Doors</u> Total System U-Value = 3.1 (equal to or less than) Total System SHGC = 0.49 (+/- 5%) <u>Awning & Casement Windows</u> Total System U-Value = 3.1 (equal to or less than) Total System SHGC = 0.39 (+/- 5%) Operability – max available while meeting window safety device requirements defined in the BCA. Refer to Appendix Note – all glazing systems are whole of system, including glazing and frame systems.
External Solid Walls	Added R2.5 bulk insulation for all apartment external walls. Minimum R.02 thermal break required for the metal stud frame for thermal bridging controls. Medium or light colour
Walls to Internal Corridors or Non-Conditioned Zones:	Added R1.5 bulk insulation for all internal walls between apartment unit and non-conditioned enclosed internal zones. No thermal break required for the metal stud frame for thermal bridging controls.
Exposed Roofs/Balconies (Over conditioned spaces)	Added R4.0 soffit slab insulation to apartments concrete slab roofs Medium or light colour.
Suspended Floor Slabs (Enclosed floor levels between conditioned and internal non-conditioned spaces and open to outside)	Added R2.5 soffit slab insulation to underside of suspended concrete slabs
Floors Covering	Carpet in Bedrooms, Timber in Living/Dining Rooms. Tile in Kitchen/Bathrooms.
Insulation Penetrations & Ceiling fans	Exhaust fans have been modelled as “Sealed” and 1 per bathroom, 1 per laundry if available and 1 per kitchen. As a lighting plan/RCP is not yet available, downlights have been modelled as “Sealed” at a scale of 1 downlight/ 5m2. Ceiling fans with a 1200 mm diameter have been modelled in the bedroom of Unit 406 (individually) and Unit 01 from Level 2 to Level 70 (all levels)

4 BASIX Water

4.1 Water

The following minimum standards are required to comply with the BASIX Water Targets for the project.

Table 6: BASIX Water Requirements

Design Element	Compliance Criteria
Fixtures	Showers: Minimum 4 Star (> 6.0 but <= 7.5 L/min) WELS Rated (To all apartments) Toilets: Minimum 4 Star WELS Rated (To all apartments) Bathroom Taps: Minimum 5 Star WELS Rated (To all apartments) Kitchen Sink Taps: Minimum 5 Star WELS Rated (To all apartments)
Fixtures within common areas	Showers: Minimum 4 Star (> 6.0 but <= 7.5 L/min) WELS Rated Toilets: Minimum 4 Star WELS Rated All Taps: Minimum 5 Star WELS Rated No common laundry facility
Fittings/Appliances within units	Clothes Washer: NA Dishwasher: 4.0 Star WELS Rated
Fittings/Appliances within common areas	Clothes Washer: no common laundry facility
Hot water recirculation or diversion system	No hot water recirculation or diversion system is included in the project
Fire Sprinkler Water Test	All Fire sprinkler systems test water contained in a closed system so that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.
Alternative Water	55,000 L rainwater tank provision is provided to collect rainwater from building roof area which is not less than 800 m ² . The rainwater collected shall be reused for common landscape/lawn area irrigation (at least 723 m ²) plus one car bay wash.
Landscape	Common Lawn area: 506.59 m ² Common Garden area: 217.11 m ²
Spa	Volume: 30.80 kL The spa will don't have cover and not shaded



5 Results

E-LAB Consulting are engaged by Holdmark NSW Pty Ltd to provide BASIX compliance consultancy for 10 Valentine Avenue, Parramatta. The report has confirmed the minimum requirements to satisfy the legislated minimum BASIX requirements for certification.

E-LAB have assessed the development and confirm that based on the design of the 10 Valentine Avenue, Parramatta and the inputs provided to BASIX, the proposal is positioned to comply with the requirements of BASIX.

This report has outlined the results of the BASIX assessment; and details of how each section is independently meeting minimum legislated BASIX benchmarks using various sustainability opportunities the development is considering for BASIX certification. The minimum compliance requirements are per the below:

Table 7: BASIX Summary

Area	Minimum Compliance Requirement	Project Score
Energy	63%	64%
Water	40%	41%
Thermal Comfort	Pass	Pass
Material Index	No Target	Pass

Note: Percentages stated for Energy and Water are the percentage improvement upon the NSW average dwelling's consumption.

Appendix A BASIX Certificate

BASIX™ Certificate

Building Sustainability Index

www.planningportal.nsw.gov.au/development-and-assessment/basix

Multi Dwelling

Certificate number: 1834601M_02

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 10/09/2020 published by the Department. This document is available at www.planningportal.nsw.gov.au/definitions

Secretary

Date of issue: Thursday, 26 February 2026

To be valid, this certificate must be submitted with a development application or lodged with a complying development certificate application within 3 months of the date of issue.



When submitting this BASIX certificate with a development application or complying development certificate application, it must be accompanied by NatHERS certificate CKWAXODKEW.

Project summary

Project name	10 Valentine Avenue_02
Street address	10 VALENTINE AVENUE PARRAMATTA 2150
Local Government Area	CITY OF PARRAMATTA
Plan type and plan number	Deposited Plan 1119257
Lot No.	2
Section no.	-
No. of residential flat buildings	1
Residential flat buildings: no. of dwellings	479
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0

Project score

Water	✓ 41	Target 40
Thermal Performance	✓ Pass	Target Pass
Energy	✓ 64	Target 63
Materials	✓ -16	Target n/a

Certificate Prepared by

Name / Company Name: E-LAB Consulting

ABN (if applicable): 84647520634

Description of project

Project address	
Project name	10 Valentine Avenue_02
Street address	10 VALENTINE AVENUE PARRAMATTA 2150
Local Government Area	CITY OF PARRAMATTA
Plan type and plan number	Deposited Plan 1119257
Lot No.	2
Section no.	-
Project type	
No. of residential flat buildings	1
Residential flat buildings: no. of dwellings	479
Multi-dwelling housing: no. of dwellings	0
No. of single dwelling houses	0
Site details	
Site area (m²)	3937.0
Roof area (m²)	849.5
Non-residential floor area (m²)	376.3
Residential car spaces	144
Non-residential car spaces	0

Common area landscape		
Common area lawn (m²)	506.59	
Common area garden (m²)	217.11	
Area of indigenous or low water use species (m²)	0	
Assessor details and thermal loads		
Assessor number	20/1972	
Certificate number	CKWAXODKEW	
Climate zone	28	
Project score		
Water	✔ 41	Target 40
Thermal Performance	✔ Pass	Target Pass
Energy	✔ 64	Target 63
Materials	✔ -16	Target n/a

Description of project

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

Residential flat buildings - Building1, 479 dwellings, 71 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)
1001	2	89	0	0	0
1005	2	125	0	0	0
1102	3	119	0	0	0
1106	2	95	0	0	0
1203	1	106	0	0	0
1207	1	68	0	0	0
1304	1	94	0	0	0
1401	2	89	0	0	0
1405	2	125	0	0	0
1502	3	119	0	0	0
1506	2	95	0	0	0
1603	1	106	0	0	0
1607	1	68	0	0	0
1704	1	94	0	0	0
1801	2	89	0	0	0
1805	2	125	0	0	0
1902	3	119	0	0	0
1906	2	95	0	0	0
2003	1	106	0	0	0
2007	2	89	0	0	0
204	2	83	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)
1002	3	119	0	0	0
1006	2	95	0	0	0
1103	1	106	0	0	0
1107	1	68	0	0	0
1204	1	94	0	0	0
1301	2	89	0	0	0
1305	2	125	0	0	0
1402	3	119	0	0	0
1406	2	95	0	0	0
1503	1	106	0	0	0
1507	1	68	0	0	0
1604	1	94	0	0	0
1701	2	89	0	0	0
1705	2	125	0	0	0
1802	3	119	0	0	0
1806	2	95	0	0	0
1903	1	106	0	0	0
1907	2	68	0	0	0
2004	2	113	0	0	0
201	3	155	0	0	0
205	3	120	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)
1003	1	106	0	0	0
1007	1	68	0	0	0
1104	1	94	0	0	0
1201	2	89	0	0	0
1205	2	125	0	0	0
1302	3	119	0	0	0
1306	2	95	0	0	0
1403	1	106	0	0	0
1407	1	68	0	0	0
1504	1	94	0	0	0
1601	2	89	0	0	0
1605	2	125	0	0	0
1702	3	119	0	0	0
1706	2	95	0	0	0
1803	1	106	0	0	0
1807	1	68	0	0	0
1904	1	94	0	0	0
2001	2	89	0	0	0
2005	2	124	0	0	0
202	1	64	0	0	0
206	3	146	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)
1004	1	94	0	0	0
1101	2	89	0	0	0
1105	2	125	0	0	0
1202	3	119	0	0	0
1206	2	95	0	0	0
1303	1	106	0	0	0
1307	1	68	0	0	0
1404	1	94	0	0	0
1501	2	89	0	0	0
1505	2	125	0	0	0
1602	3	119	0	0	0
1606	2	95	0	0	0
1703	1	106	0	0	0
1707	1	68	0	0	0
1804	1	94	0	0	0
1901	2	89	0	0	0
1905	2	125	0	0	0
2002	3	117	0	0	0
2006	1	75	0	0	0
203	2	100	0	0	0
207	3	144	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
2101	2	89	0	0	0
2105	2	124	0	0	0
2202	3	117	0	0	0
2206	1	75	0	0	0
2303	1	106	0	0	0
2307	2	89	0	0	0
2404	2	113	0	0	0
2501	2	89	0	0	0
2505	2	124	0	0	0
2602	3	117	0	0	0
2701	2	89	0	0	0
2705	2	124	0	0	0
2802	3	117	0	0	0
2806	1	75	0	0	0
2903	1	106	0	0	0
2907	2	89	0	0	0
3004	2	113	0	0	0
301	3	147	0	0	0
305	2	104	0	0	0
3102	3	117	0	0	0
3106	1	75	0	0	0
3203	1	106	0	0	0
3207	2	89	0	0	0
3304	2	113	0	0	0
3401	2	89	0	0	0
3405	2	124	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
2102	3	117	0	0	0
2106	1	75	0	0	0
2203	1	106	0	0	0
2207	2	89	0	0	0
2304	2	113	0	0	0
2401	2	89	0	0	0
2405	2	124	0	0	0
2502	3	117	0	0	0
2506	1	75	0	0	0
2603	3	165	0	0	0
2702	3	117	0	0	0
2706	1	75	0	0	0
2803	1	106	0	0	0
2807	2	89	0	0	0
2904	2	113	0	0	0
3001	2	89	0	0	0
3005	2	124	0	0	0
302	1	61	0	0	0
306	2	133	0	0	0
3103	1	106	0	0	0
3107	2	89	0	0	0
3204	2	113	0	0	0
3301	2	89	0	0	0
3305	2	124	0	0	0
3402	3	117	0	0	0
3406	1	75	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
2103	1	106	0	0	0
2107	2	89	0	0	0
2204	2	113	0	0	0
2301	2	89	0	0	0
2305	2	124	0	0	0
2402	3	117	0	0	0
2406	1	75	0	0	0
2503	1	106	0	0	0
2507	2	89	0	0	0
2604	1	76	0	0	0
2703	1	106	0	0	0
2707	2	89	0	0	0
2804	2	113	0	0	0
2901	2	89	0	0	0
2905	2	124	0	0	0
3002	3	117	0	0	0
3006	1	75	0	0	0
303	1	108	0	0	0
307	3	140	0	0	0
3104	2	113	0	0	0
3201	2	89	0	0	0
3205	2	124	0	0	0
3302	3	117	0	0	0
3306	1	75	0	0	0
3403	1	106	0	0	0
3407	2	89	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
2104	2	113	0	0	0
2201	2	89	0	0	0
2205	2	124	0	0	0
2302	3	117	0	0	0
2306	1	75	0	0	0
2403	1	106	0	0	0
2407	2	89	0	0	0
2504	2	113	0	0	0
2601	2	89	0	0	0
2605	2	89	0	0	0
2704	2	113	0	0	0
2801	2	89	0	0	0
2805	2	124	0	0	0
2902	3	117	0	0	0
2906	1	75	0	0	0
3003	1	106	0	0	0
3007	2	89	0	0	0
304	2	86	0	0	0
3101	2	89	0	0	0
3105	2	124	0	0	0
3202	3	117	0	0	0
3206	1	75	0	0	0
3303	1	106	0	0	0
3307	2	89	0	0	0
3404	2	113	0	0	0
3501	2	89	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
3502	3	117	0	0	0
3506	1	75	0	0	0
3603	1	106	0	0	0
3607	2	89	0	0	0
3704	2	113	0	0	0
3801	2	89	0	0	0
3805	2	124	0	0	0
3902	3	117	0	0	0
3906	1	75	0	0	0
4003	1	106	0	0	0
4007	2	89	0	0	0
404	2	92	0	0	0
4101	2	89	0	0	0
4105	2	124	0	0	0
4202	3	117	0	0	0
4206	1	75	0	0	0
4303	1	106	0	0	0
4307	2	89	0	0	0
4404	2	113	0	0	0
4501	2	89	0	0	0
4505	2	124	0	0	0
4602	3	117	0	0	0
4606	1	75	0	0	0
4703	1	106	0	0	0
4707	2	89	0	0	0
4804	2	113	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
3503	1	106	0	0	0
3507	2	89	0	0	0
3604	2	113	0	0	0
3701	2	89	0	0	0
3705	2	124	0	0	0
3802	3	117	0	0	0
3806	1	75	0	0	0
3903	1	106	0	0	0
3907	2	89	0	0	0
4004	2	113	0	0	0
401	3	141	0	0	0
405	1	72	0	0	0
4102	3	117	0	0	0
4106	1	75	0	0	0
4203	1	106	0	0	0
4207	2	89	0	0	0
4304	2	113	0	0	0
4401	2	89	0	0	0
4405	2	124	0	0	0
4502	3	117	0	0	0
4506	1	75	0	0	0
4603	1	106	0	0	0
4607	2	89	0	0	0
4704	2	113	0	0	0
4801	2	89	0	0	0
4805	2	124	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
3504	2	113	0	0	0
3601	2	89	0	0	0
3605	2	124	0	0	0
3702	3	117	0	0	0
3706	1	75	0	0	0
3803	1	106	0	0	0
3807	2	89	0	0	0
3904	2	113	0	0	0
4001	2	89	0	0	0
4005	2	124	0	0	0
402	1	58	0	0	0
406	3	130	0	0	0
4103	1	106	0	0	0
4107	2	89	0	0	0
4204	2	113	0	0	0
4301	2	89	0	0	0
4305	2	124	0	0	0
4402	3	117	0	0	0
4406	1	75	0	0	0
4503	1	106	0	0	0
4507	2	89	0	0	0
4604	2	113	0	0	0
4701	2	89	0	0	0
4705	2	124	0	0	0
4802	3	117	0	0	0
4806	1	75	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
3505	2	124	0	0	0
3602	3	117	0	0	0
3606	1	75	0	0	0
3703	1	106	0	0	0
3707	2	89	0	0	0
3804	2	113	0	0	0
3901	2	89	0	0	0
3905	2	124	0	0	0
4002	3	117	0	0	0
4006	1	75	0	0	0
403	1	108	0	0	0
407	3	134	0	0	0
4104	2	113	0	0	0
4201	2	89	0	0	0
4205	2	124	0	0	0
4302	3	117	0	0	0
4306	1	75	0	0	0
4403	1	106	0	0	0
4407	2	89	0	0	0
4504	2	113	0	0	0
4601	2	89	0	0	0
4605	2	124	0	0	0
4702	3	117	0	0	0
4706	1	75	0	0	0
4803	1	106	0	0	0
4807	2	89	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)
4901	2	89	0	0	0
4905	2	89	0	0	0
5004	2	113	0	0	0
501	3	140	0	0	0
505	2	126	0	0	0
5102	3	117	0	0	0
5106	1	75	0	0	0
5203	1	106	0	0	0
5207	2	89	0	0	0
5304	2	113	0	0	0
5401	2	89	0	0	0
5405	2	124	0	0	0
5502	3	117	0	0	0
5506	1	75	0	0	0
5603	1	106	0	0	0
5607	2	89	0	0	0
5704	2	113	0	0	0
5801	2	89	0	0	0
5805	2	124	0	0	0
5902	3	117	0	0	0
5906	1	75	0	0	0
6003	1	106	0	0	0
6007	2	89	0	0	0
604	1	94	0	0	0
6101	2	89	0	0	0
6105	2	124	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)
4902	3	117	0	0	0
5001	2	89	0	0	0
5005	2	124	0	0	0
502	1	59	0	0	0
506	2	95	0	0	0
5103	1	106	0	0	0
5107	2	89	0	0	0
5204	2	113	0	0	0
5301	2	89	0	0	0
5305	2	124	0	0	0
5402	3	117	0	0	0
5406	1	75	0	0	0
5503	1	106	0	0	0
5507	2	89	0	0	0
5604	2	113	0	0	0
5701	2	89	0	0	0
5705	2	124	0	0	0
5802	3	117	0	0	0
5806	1	79	0	0	0
5903	1	106	0	0	0
5907	2	89	0	0	0
6004	2	113	0	0	0
601	3	140	0	0	0
605	2	126	0	0	0
6102	3	117	0	0	0
6106	1	75	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)
4903	3	165	0	0	0
5002	3	117	0	0	0
5006	1	75	0	0	0
503	1	106	0	0	0
507	2	70	0	0	0
5104	2	113	0	0	0
5201	2	89	0	0	0
5205	2	124	0	0	0
5302	3	117	0	0	0
5306	1	75	0	0	0
5403	1	106	0	0	0
5407	2	89	0	0	0
5504	2	113	0	0	0
5601	2	89	0	0	0
5605	2	124	0	0	0
5702	3	117	0	0	0
5706	1	75	0	0	0
5803	1	106	0	0	0
5807	2	89	0	0	0
5904	2	113	0	0	0
6001	2	89	0	0	0
6005	2	124	0	0	0
602	1	59	0	0	0
606	2	95	0	0	0
6103	1	106	0	0	0
6107	2	89	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)
4904	1	76	0	0	0
5003	1	106	0	0	0
5007	2	89	0	0	0
504	1	94	0	0	0
5101	2	89	0	0	0
5105	2	124	0	0	0
5202	3	117	0	0	0
5206	1	75	0	0	0
5303	1	106	0	0	0
5307	2	89	0	0	0
5404	2	113	0	0	0
5501	2	89	0	0	0
5505	2	124	0	0	0
5602	3	117	0	0	0
5606	1	75	0	0	0
5703	1	106	0	0	0
5707	2	89	0	0	0
5804	2	113	0	0	0
5901	2	89	0	0	0
5905	2	124	0	0	0
6002	3	117	0	0	0
6006	1	75	0	0	0
603	1	106	0	0	0
607	1	68	0	0	0
6104	2	113	0	0	0
6201	2	89	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
6202	3	117	0	0	0
6206	1	75	0	0	0
6303	1	106	0	0	0
6307	2	89	0	0	0
6404	2	113	0	0	0
6501	2	89	0	0	0
6505	2	124	0	0	0
6602	3	117	0	0	0
6606	1	75	0	0	0
6703	1	106	0	0	0
6707	2	89	0	0	0
6804	2	113	0	0	0
6901	2	89	0	0	0
6905	2	124	0	0	0
7002	3	117	0	0	0
7006	1	75	0	0	0
703	1	106	0	0	0
707	1	68	0	0	0
804	1	94	0	0	0
901	2	89	0	0	0
905	2	125	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
6203	1	106	0	0	0
6207	2	89	0	0	0
6304	2	113	0	0	0
6401	2	89	0	0	0
6405	2	124	0	0	0
6502	3	117	0	0	0
6506	1	75	0	0	0
6603	1	106	0	0	0
6607	2	89	0	0	0
6704	2	113	0	0	0
6801	2	89	0	0	0
6805	2	124	0	0	0
6902	3	117	0	0	0
6906	1	75	0	0	0
7003	1	106	0	0	0
7007	2	89	0	0	0
704	1	94	0	0	0
801	3	140	0	0	0
805	2	126	0	0	0
902	3	119	0	0	0
906	2	95	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
6204	2	113	0	0	0
6301	2	89	0	0	0
6305	2	124	0	0	0
6402	3	117	0	0	0
6406	1	75	0	0	0
6503	1	106	0	0	0
6507	2	89	0	0	0
6604	2	113	0	0	0
6701	2	89	0	0	0
6705	2	124	0	0	0
6802	3	117	0	0	0
6806	1	75	0	0	0
6903	1	106	0	0	0
6907	2	89	0	0	0
7004	2	113	0	0	0
701	3	140	0	0	0
705	2	126	0	0	0
802	1	59	0	0	0
806	2	95	0	0	0
903	1	106	0	0	0
907	1	68	0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m²)	Unconditioned floor area (m²)	Area of garden & lawn (m²)	Indigenous species (min area m²)
6205	2	124	0	0	0
6302	3	117	0	0	0
6306	1	75	0	0	0
6403	1	106	0	0	0
6407	2	89	0	0	0
6504	2	113	0	0	0
6601	2	89	0	0	0
6605	2	124	0	0	0
6702	3	117	0	0	0
6706	1	75	0	0	0
6803	1	106	0	0	0
6807	2	89	0	0	0
6904	2	113	0	0	0
7001	2	89	0	0	0
7005	2	124	0	0	0
702	1	59	0	0	0
706	2	95	0	0	0
803	1	106	0	0	0
807	1	68	0	0	0
904	1	94	0	0	0

Description of project

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

Common areas of unit building - Building1

Common area	Floor area (m²)	Common area	Floor area (m²)	Common area	Floor area (m²)
Gym	49.49	Yoga	49.64	Co-Working Space	144.31
Games Room	55.5	Private Dining	68.63	Fire Stair	1683.12
Mail	14.06	Sauna	7.71	Spa and Suna Indoor Space	211.83
Lobby	320.99	Resi Lounge	100.85	Corridor	4781.67
Lift bank (No. 1)	-	Lift bank (No. 2)	-	Lift bank (No. 3)	-

Common areas of the development (non-building specific)

Common area	Floor area (m²)	Common area	Floor area (m²)	Common area	Floor area (m²)
Car Park	5727.73	Loading Bay	546.55	COMMS	10.6
Switch Room	54.78	Waste	165.36	Cold Water Meter	12.74
Cold Water Pump	24.54	Fire Control Room	17.92	Fire Pump Room	50.99
Fire Tank	75.33	Grease	21.66	Lift Motor Room	42.85
Plant	55.23	Rainwater Filtration and Pump	50.14	Substation	68.35
Supply Fan Room	96.26	Vent Fan Room	52.55	Basement Corridor	16.41
Bike Storage	1342.03	Toilet	19.46	Storage	738.92

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - Building1

(a) Buildings

(i) Materials

(b) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance

(c) Common areas and central systems/facilities

(i) Water

(ii) Energy

2. Commitments for multi-dwelling housing

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

3. Commitments for single dwelling houses

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Performance and Materials

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

(a) Buildings 'Other'

(i) Materials

(b) Common areas and central systems/facilities

- (i) Water
- (ii) Energy

Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

1. Commitments for Residential flat buildings - Building1

(a) Buildings

(i) Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) 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 "Floor types", "External wall types", "Internal wall types", "Ceiling and roof types", "Frames" and "Glazing" tables below.			✓
(b) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all specifications included in the tables below.		✓	
(c) The applicant must construct the floors, walls, roof, ceiling and roof, windows, glazed doors and skylights of the development in accordance with the specifications listed in the tables below. In the case of glazing, a 5% variance from the area values listed in the "Frames" and "Glazing" tables is permitted.	✓	✓	✓
(d) The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the below tables.			✓

Floor types

Floor type	Area (m2)	Insulation	Low emissions option
floors above habitable rooms, frame: suspended concrete slab	50597.80	-	-

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	framed (metal clad), frame: light steel frame	29440	-	fibreglass batts or roll

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	plasterboard, frame: light steel frame	23552	-

Reinforcement concrete frames/columns		
Building has reinforced concrete frame/columns?	Volume (m³)	Low emissions option
no	-	-

Ceiling and roof types			
Ceiling and roof type	Area (m²)	Roof Insulation	Ceiling Insulation
concrete - plasterboard internal, frame: light steel frame	849.5	foil/sarking	fibreglass batts or roll

Glazing types			Frame types				
Single glazing (m²)	Double glazing (m²)	Triple glazing (m²)	Aluminium frames (m²)	Timber frames (m²)	uPVC frames (m²)	Steel frames (m²)	Composite frames (m²)
-	14720.76	-	14720.76	-	-	-	-

(b) Dwellings

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

	Fixtures					Appliances		Individual pool				Individual spa		
Dwelling no.	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
All dwellings	4 star (> 6 but ≤ 7.5 L/min)	4 star	5 star	5 star	-	not specified	4 star	-	-	-	-	-	-	-

	Alternative water source							
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up
All dwellings	No alternative water supply	-	-	-	-	-	-	-

(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.		✓	✓
(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;		✓	

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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 (No. 1)	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off	individual fan, ducted to façade or roof	manual switch on/off

	Cooling		Heating		Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bathrooms or toilets	Main kitchen
All dwellings	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.0 - 3.5	1-phase airconditioning - non ducted / EER 3.0 - 3.5	0	no

	Individual pool			Individual spa		Appliances other efficiency measures				
Dwelling no.	Pool heating system	Pool Pump	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Dishwasher	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	-	electric cooktop & electric oven	4 star	8.0 star	-	-

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

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
1001	12.6	45.7	58.300
1002	32.6	35.8	68.400
1003	32	23.6	55.600
1004	15.9	11.7	27.600

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
1005	16.9	32.4	49.300
1006	8.2	40	48.200
1007	20.5	45.7	66.200
1101	10.7	45.8	56.500
1102	32.6	35.7	68.300
1103	31.3	26.1	57.400
1104	15.6	12.5	28.100
1105	16.6	33.8	50.400
1106	8.0	40.2	48.200
1107	20.5	46.4	66.900
1201	9.0	45.7	54.700
1202	32.7	35.5	68.200
1203	30.7	29.7	60.400
1204	15.3	15.4	30.700
1205	16.4	34.7	51.100
1207	20.5	47.6	68.100
1301	9.0	45.8	54.800
1302	32.5	35.4	67.900
1303	30.2	31.8	62.000
1304	14.8	17.5	32.300
1305	15.9	35.4	51.300
1307	20.6	47.9	68.500
1401	9.2	45.5	54.700
1402	32.3	35.9	68.200
1403	29.2	33.1	62.300
1404	14.3	19.6	33.900
1405	15.7	36.8	52.500
1406	8.0	40.3	48.300
1407	20.2	49	69.200
1501	9.5	45.3	54.800
1502	32	35.5	67.500

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
1503	28.4	33.2	61.600
1504	13.9	19.8	33.700
1505	15.5	37.2	52.700
1506	8.0	39.9	47.900
1507	19.1	48.9	68.000
1601	8	45.6	53.600
1603	28.5	33.2	61.700
1604	14	19.3	33.300
1605	15.6	36.9	52.500
1606	7.3	39.8	47.100
1607	14.9	49.9	64.800
1701	8.2	45.1	53.300
1702	31.8	35.6	67.400
1703	28.7	32.7	61.400
1704	14.1	19.6	33.700
1705	15.8	36.4	52.200
1706	7.1	40.2	47.300
1707	17.6	26.4	44.000
1801	8.2	45.6	53.800
1802	31.7	35.8	67.500
1803	28.8	32.5	61.300
1804	14.2	18.9	33.100
1805	15.9	36.4	52.300
1806	6.9	40.2	47.100
1807	16.7	26.3	43.000
1901	7.3	44.5	51.800
1902	31.5	34.6	66.100
1903	28.9	32.6	61.500
1904	14.4	18.7	33.100
1905	16	36.3	52.300
1906	6.2	40.2	46.400

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
1907	14.2	26.7	40.900
2001	7.9	45.7	53.600
2003	29.1	32.4	61.500
2004	18.3	20.7	39.000
2005	16.1	36.1	52.200
2006	3	17.3	20.300
2007	12.2	47.8	60.000
201	30	30	60.000
202	38.1	35.8	73.900
203	35	13.7	48.700
204	26.8	5.3	32.100
205	26.3	11.6	37.900
206	12.9	28.2	41.100
207	15.7	44.1	59.800
2101	9.4	39.1	48.500
2102	33.7	32.4	66.100
2103	31	27.9	58.900
2104	19.6	16.9	36.500
2105	17.7	29.2	46.900
2106	3.9	13.7	17.600
2201	9.4	38.9	48.300
2202	33.8	32.2	66.000
2203	31.1	27.5	58.600
2204	19.7	17	36.700
2205	17.8	29.3	47.100
2206	3.9	14	17.900
2301	9.5	38.9	48.400
2302	34	32.2	66.200
2303	31.2	27.5	58.700
2304	19.7	16.8	36.500
2305	17.9	29.1	47.000

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
2306	4	13.7	17.700
2307	14.2	42	56.200
2402	34.1	32	66.100
2403	31.3	27.3	58.600
2404	19.8	17	36.800
2405	18	29	47.000
2406	4	13.6	17.600
2407	14.3	42.1	56.400
2502	34.2	31.9	66.100
2503	33	36.4	69.400
2504	27.7	21.5	49.200
2505	18.1	28.7	46.800
2506	4	13.5	17.500
2507	14.2	41.7	55.900
2601	9.7	38.4	48.100
2602	34.3	31.7	66.000
2603	23.2	32.6	55.800
2604	4.1	13.6	17.700
2605	14.3	41.8	56.100
2701	10.4	34.5	44.900
2702	35.1	30.4	65.500
2703	40.2	26	66.200
2704	26.4	15	41.400
2705	18.9	26.5	45.400
2706	4.5	12.4	16.900
2707	15.4	38.4	53.800
2801	10.4	34.3	44.700
2802	35.2	30.2	65.400
2803	32.5	24.5	57.000
2804	20.7	15.6	36.300
2805	19	26.3	45.300

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
2807	15.5	38.2	53.700
2901	10.5	34.3	44.800
2902	35.3	30	65.300
2903	32.6	24.7	57.300
2905	19.1	26.1	45.200
2906	4.6	12.6	17.200
3001	10.5	34.5	45.000
3002	35.3	30.1	65.400
3003	32.7	24.4	57.100
301	28.1	47.5	75.600
302	37.3	30.1	67.400
303	39.2	16.3	55.500
304	25.6	5.2	30.800
305	25.5	6.4	31.900
306	15.6	47.3	62.900
307	17.7	50.1	67.800
3101	10.6	34.5	45.100
3102	35.4	29.8	65.200
3103	32.7	24.8	57.500
3104	20.8	15.2	36.000
3107	15.7	37.9	53.600
3202	35.5	30.1	65.600
3204	20.9	15.1	36.000
3205	19.3	26	45.300
3207	15.9	38.0	53.900
3302	35.5	29.8	65.300
3304	20.9	15	35.900
3305	19.2	26	45.200
3307	15.8	38.0	53.800
3401	10.8	34.1	44.900
3403	33	24.8	57.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
3405	19.4	25.7	45.100
3407	15.9	37.5	53.400
3503	33	24.7	57.700
3505	19.4	25.6	45.000
3507	15.9	37.6	53.500
3601	10.9	34	44.900
3602	35.7	29.9	65.600
3603	33.1	24.4	57.500
3604	21	14.9	35.900
3605	19.5	25.6	45.100
3606	4.7	12.2	16.900
3607	16	37.4	53.400
3701	10.9	33.8	44.700
3702	35.8	29.9	65.700
3703	33.2	24.2	57.400
3704	21.1	14.7	35.800
3707	16.1	37.4	53.500
3802	35.8	29.8	65.600
3803	33.2	24.1	57.300
3804	21.1	14.2	35.300
3805	19.6	25.5	45.100
3807	16.2	37.4	53.600
3904	21.2	14.7	35.900
3907	16.3	37.6	53.900
4001	11	33.5	44.500
4004	21.2	14.6	35.800
4005	19.6	25.2	44.800
4007	16.3	37.4	53.700
401	30.4	46.1	76.500
402	40.4	22.4	62.800
403	38.0	14.3	52.300

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
404	19.6	5.5	25.100
405	18.3	8.7	27.000
406	17.5	23.4	40.900
407	19.6	50.6	70.200
4101	11.1	33.0	44.100
4103	33.4	24	57.400
4104	21.3	14.2	35.500
4106	4.7	11.9	16.600
4107	16.4	37.1	53.500
4201	11.1	32.8	43.900
4203	33.4	23.9	57.300
4204	21.2	14.2	35.400
4207	16.4	37	53.400
4301	11.2	32.8	44.000
4303	33.5	23.6	57.100
4304	21.4	14.2	35.600
4305	19.8	24.7	44.500
4306	4.8	12	16.800
4307	16.5	37.1	53.600
4401	11.2	33	44.200
4403	33.5	23.8	57.300
4404	21.4	14.7	36.100
4405	19.8	24.8	44.600
4407	16.5	37	53.500
4501	11.3	33.3	44.600
4502	36.2	29.8	66.000
4505	19.9	24.6	44.500
4506	4.8	11.9	16.700
4507	16.5	37.2	53.700
4601	11.3	33	44.300
4602	36.2	29.9	66.100

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
4605	19.9	24.7	44.600
4607	16.6	37.3	53.900
4701	11.4	32.8	44.200
4703	33.7	23.8	57.500
4704	21.5	14.80	36.300
4705	20	24.4	44.400
4707	16.7	36.9	53.600
4801	11.4	32.7	44.100
4803	46	32.7	78.700
4804	29.5	19	48.500
4805	20	24.3	44.300
4807	16.7	37	53.700
4903	25	28.5	53.500
4905	16.8	36.9	53.700
5001	11.5	32.7	44.200
5002	36.4	29.7	66.100
5003	41.7	24.8	66.500
5004	27.5	13.8	41.300
5005	20.1	24	44.100
501	27.7	46.2	73.900
502	40.3	23.8	64.100
503	37	16.4	53.400
504	17.2	12.2	29.400
505	26.5	27.5	54.000
506	10	38.9	48.900
507	21.1	42.8	63.900
5103	33.8	23.9	57.700
5104	21.6	14.6	36.200
5105	20.1	24.3	44.400
5107	16.8	36.7	53.500
5201	11.6	32.9	44.500

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
5202	36.5	29.8	66.300
5203	33.9	24	57.900
5301	11.6	32.8	44.400
5302	36.5	29.9	66.400
5303	33.9	23.8	57.700
5307	16.9	36.5	53.400
5402	36.6	29.8	66.400
5403	34	24.2	58.200
5404	21.8	14.4	36.200
5405	20.4	25.5	45.900
5406	4.9	11.7	16.600
5502	36.6	29.9	66.500
5503	34	24.1	58.100
5505	20.4	25.3	45.700
5601	11.7	32.4	44.100
5602	36.7	29.7	66.400
5606	4.9	11.6	16.500
5701	11.7	32.7	44.400
5702	36.7	29.6	66.300
5703	34.1	23.9	58.000
5704	21.8	14.30	36.100
5706	4.9	11.5	16.400
5707	17.1	36.90	54.000
5801	11.8	32.60	44.400
5802	36.7	29.5	66.200
5804	21.8	14.20	36.000
5805	20.5	25	45.500
5903	34.2	24.10	58.300
5907	17.2	36.30	53.500
6002	36.8	29.4	66.200
6003	34.2	24	58.200

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
601	28	45.70	73.700
602	39.3	30.9	70.200
603	36.3	19.4	55.700
604	16	12.8	28.800
605	23.5	29.30	52.800
606	9.6	39.30	48.900
607	21.8	42.00	63.800
6103	34.2	24.2	58.400
6104	21.9	14	35.900
6204	22	14	36.000
6205	20.5	25.1	45.600
6207	17.3	36.3	53.600
6301	12	32.2	44.200
6304	22	14.1	36.100
6306	5	11.40	16.400
6307	17.3	36.4	53.700
6401	11.9	32.2	44.100
6403	34.4	23.7	58.100
6405	20.8	25.1	45.900
6407	17.4	36.30	53.700
6501	11.9	32.00	43.900
6503	34.4	23.8	58.200
6601	12	31.9	43.900
6603	34.4	23.90	58.300
6701	12.1	31.9	44.000
6703	34.5	23.7	58.200
6705	20.8	25	45.800
6801	12.1	31.8	43.900
6805	20.7	25.00	45.700
6806	5	11.50	16.500
6901	12.1	31.7	43.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
6902	37.1	29.4	66.500
6906	5	11.3	16.300
6907	17.5	36.5	54.000
7001	22.5	42.3	64.800
7002	46.7	29.6	76.300
7003	46.8	32.2	79.000
7004	34	20.5	54.500
7005	34.1	35.1	69.200
7006	12.7	18.50	31.200
7007	30.5	44.4	74.900
701	30	45	75.000
702	38.2	32.1	70.300
703	34.7	21.9	56.600
704	15.9	12.5	28.400
705	22.4	30.3	52.700
706	10.5	39.1	49.600
707	21.2	44.5	65.700
801	30.1	45.3	75.400
802	37.3	34.5	71.800
803	33.8	21.7	55.500
804	16.2	9.5	25.700
805	21.6	31.3	52.900
806	9.6	39.5	49.100
807	21.2	44.2	65.400
901	11.2	46	57.200
902	32.6	35.9	68.500
903	32	23.1	55.100
904	16	10.1	26.100
905	19.1	32.1	51.200
906	9.3	39.9	49.200
907	20.5	45.1	65.600

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
1206, 1306	7.9	40.7	48.600
1602, 2002	31.9	35.5	67.400
2107, 2207	14.1	42.1	56.200
2401, 2501	9.6	38.8	48.400
2904, 3004	20.7	15.4	36.100
2907, 3007	15.6	38	53.600
3005, 3105	19.1	26	45.100
3201, 3301	10.7	34.2	44.900
3203, 3303	32.9	24.6	57.500
3402, 3502	35.6	30	65.600
3404, 3504	21	15.1	36.100
3705, 3905	19.6	25.4	45.000
3706, 3806	4.6	12.2	16.800
3801, 3901	11	33.6	44.600
3902, 4002	35.9	29.9	65.800
3903, 4003	33.3	23.9	57.200
4102, 4202	36	29.9	65.900
4105, 4205	19.7	25.1	44.800
4302, 4402	36.1	30	66.100
4503, 4603	33.6	23.6	57.200
4504, 4604	21.4	14.8	36.200
4702, 4802	36.3	29.8	66.100
4901, 5101	11.5	32.6	44.100
4902, 5102	36.4	29.8	66.200
5007, 5207	16.8	36.6	53.400
5204, 5304	21.7	14.4	36.100
5205, 5305	20.3	25.4	45.700
5401, 5501	11.7	33	44.700
5407, 5507	17	36.4	53.400
5603, 5803	34.1	24	58.100
5605, 5705	20.5	25.3	45.800

	Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)	Area adjusted total load (in MJ/m ² /yr)
5607, 5807	17.1	36.6	53.700
5901, 6001	11.8	32.7	44.500
5902, 6102	36.8	29.40	66.200
5904, 6004	21.9	14.1	36.000
5906, 6506	4.9	11.40	16.300
6007, 6107	17.2	36.40	53.600
6101, 6201	11.8	32.50	44.300
6202, 6302	36.9	29.4	66.300
6203, 6303	34.3	23.8	58.100
6206, 6706	5	11.4	16.400
6305, 6505	20.7	25.10	45.800
6507, 6607	17.4	36.3	53.700
6604, 6904	22.1	14.1	36.200
6605, 6905	20.8	24.9	45.700
6702, 6802	37.1	29.5	66.600
6707, 6807	17.5	36.4	53.900
6803, 6903	34.5	23.8	58.300
2806, 3406, 3506	4.6	12.4	17.000
3501, 5504, 5604	10.8	34.2	45.000
3906, 4006, 4206	4.7	12	16.700
4606, 5006, 5106	4.8	11.8	16.600
4706, 4806, 4904	4.9	11.8	16.700
5905, 6005, 6105	20.6	25	45.600
6402, 6502, 6602	37	29.5	66.500
3006, 3106, 3206, 3306	4.6	12.5	17.100
4406, 5206, 5306, 5506	4.8	11.7	16.500
6404, 6504, 6704, 6804	22.1	14.2	36.300
All other dwellings	4.9	11.4	16.300

(c) Common areas and central systems/facilities

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	4 star (> 6 but <= 7.5 L/min)	4 star	5 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Central water tank - rainwater or stormwater (No. 1)	55000	To collect run-off from at least: - 800 square metres of roof area of buildings in the development - 0 square metres of impervious area in the development - 0 square metres of garden/lawn area in the development - 0 square metres of planter box area in the development (excluding, in each case, any area which drains to, or supplies, any other alternative water supply system).	- irrigation of 723 square metres of common landscaped area on the site - car washing in 1 car washing bays on the site
Fire sprinkler system (No. 3)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Gym	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching	yes
Yoga	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching	yes
Co-Working Space	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Games Room	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Private Dining	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Fire Stair	no mechanical ventilation	-	light-emitting diode	zoned switching with motion sensor	yes
Mail	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Sauna	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Spa and Suna Indoor Space	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Lobby	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Resi Lounge	air conditioning system	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Corridor	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Lift bank (No. 1)	-	-	light-emitting diode	connected to lift call button	yes

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Lift bank (No. 2)	-	-	light-emitting diode	connected to lift call button	yes
Lift bank (No. 3)	-	-	light-emitting diode	connected to lift call button	yes

Central energy systems	Type	Specification
Sauna (No. 1)	Heating source: electric resistance	Efficiency measure: controlled by BMS
Lift bank (No. 1)	permanent magnet synchronous motor (PMSM) and regenerative drive	Number of levels with apartments served by a lift: 69 number of levels from the bottom of the lift shaft to the top of the lift shaft: 77 number of lifts: 2 lift load capacity: ≥ 1001 kg but ≤ 1500 kg
Lift bank (No. 2)	permanent magnet synchronous motor (PMSM) and regenerative drive	Number of levels with apartments served by a lift: 52 number of levels from the bottom of the lift shaft to the top of the lift shaft: 60 number of lifts: 2 lift load capacity: ≥ 1001 kg but ≤ 1500 kg
Lift bank (No. 3)	permanent magnet synchronous motor (PMSM) and regenerative drive	Number of levels with apartments served by a lift: 17 number of levels from the bottom of the lift shaft to the top of the lift shaft: 25 number of lifts: 2 lift load capacity: >1500 kg
Central hot water system (No. 1)	electric heat pump – air sourced	Piping insulation (ringmain & supply risers): (a) Piping external to building: R0.3 (~13 mm); (b) Piping internal to building: R0.3 (~13 mm) (c) Unit Efficiency: $3.0 < \text{COP} \leq 3.5$

2. Commitments for multi-dwelling housing

(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.	✓	✓	✓
(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.		✓	✓

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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.		✓	✓
(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".		✓	
(iii) Thermal Performance and Materials	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.			

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

3. Commitments for single dwelling houses

(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.	✓	✓	✓
(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.		✓	✓

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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.		✓	✓
(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".		✓	
(iii) Thermal Performance and Materials	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.			

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

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

(a) Buildings 'Other'

(i) Materials	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) 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 "Floor types", "External wall types", "Internal wall types", "Ceiling and roof types", "Frames" and "Glazing" tables below.			✓
(b) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all specifications included in the tables below.		✓	
(c) The applicant must construct the floors, walls, roof, ceiling and roof, windows, glazed doors and skylights of the development in accordance with the specifications listed in the tables below. In the case of glazing, a 5% variance from the area values listed in the "Frames" and "Glazing" tables is permitted.	✓	✓	✓
(d) The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the below tables.			✓

Floor types

Floor type	Area (m2)	Insulation	Low emissions option
concrete slab on ground, frame:	9190.40	-	none

External wall types

External wall type	Construction type	Area (m2)	Low emissions option	Insulation
External wall type 1	brick veneer,frame:light steel frame	7875.64	-	-

Internal wall types

Internal wall type	Construction type	Area (m2)	Insulation
Internal wall type 1	single skin masonry, frame:light steel frame	2362.6	-

Reinforcement concrete frames/columns

Building has reinforced concrete frame/columns?	Volume (m³)	Low emissions option
no	-	-

Ceiling and roof types

Ceiling and roof type	Area (m²)	Roof Insulation	Ceiling Insulation
concrete - bare internal, frame: light steel frame	9190.40	-	-

Glazing types**Frame types**

Single glazing (m²)	Double glazing (m²)	Triple glazing (m²)	Aluminium frames (m²)	Timber frames (m²)	uPVC frames (m²)	Steel frames (m²)	Composite frames (m²)
0	0	0	0	0	0	0	0

(b) Common areas and central systems/facilities

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

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	4 star (> 6 but <= 7.5 L/min)	4 star	5 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Spa (No. 1)	Volume: 30.8 kLs	Location: Other Spa shaded: no Spa cover: yes	-
Fire sprinkler system (No. 1)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-
Fire sprinkler system (No. 2)	-	So that fire sprinkler test water is contained within the fire sprinkler system for re-use, rather than disposed.	-

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

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

Common area	Common area ventilation system		Common area lighting		
	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Car Park	ventilation supply only	carbon monoxide monitor + VSD fan	light-emitting diode	zoned switching with motion sensor	yes
Loading Bay	ventilation supply only	carbon monoxide monitor + VSD fan	light-emitting diode	zoned switching with motion sensor	yes
COMMS	air conditioning system	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Switch Room	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Waste	ventilation exhaust only	-	light-emitting diode	motion sensors	yes
Cold Water Meter	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Cold Water Pump	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Fire Control Room	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Fire Pump Room	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Fire Tank	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Grease	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Lift Motor Room	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Plant	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Rainwater Filtration and Pump	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Substation	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Supply Fan Room	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Vent Fan Room	ventilation supply only	thermostatically controlled	light-emitting diode	manual on / manual off	yes
Basement Corridor	ventilation supply only	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes

	Common area ventilation system		Common area lighting		
Common area	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/ BMS
Bike Storage	no mechanical ventilation	-	light-emitting diode	zoned switching with motion sensor	yes
Toilet	ventilation (supply + exhaust)	time clock or BMS controlled	light-emitting diode	zoned switching with motion sensor	yes
Storage	no mechanical ventilation	-	light-emitting diode	zoned switching with motion sensor	yes

Central energy systems	Type	Specification
Spa (No. 1)	Heating system: electric resistance	Pump controlled by timer: yes
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 25 peak kW
Other	Building management system installed?: yes	-

Notes

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

Legend

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



Appendix B NatHERS Certificate

Nationwide House Energy Rating Scheme® Class 2 Summary NatHERS® Certificate No. CKWAXODKEW

Generated on 25 Feb 2026 using FirstRate5 v5.5.5a

Property

Address 10 Valentine Avenue,
Parramatta, NSW, 2150

Lot/DP

NatHERS Climate Zone Richmond



Accredited assessor

Name Chris Mann
Business name E-LAB Consulting
Email Chris.Mann@e-lab.com.au
Phone 0447343451
Accreditation No. DMN/20/1972
Assessor Accrediting Organisation
Design Matters National

Verification

To verify this certificate, scan the QR code or visit <https://www.fr5.com.au/QRCodeLanding?PublicId=CCKWAXODKEW&GrpCert=1>
When using either link, ensure you are visiting www.fr5.com.au.



National Construction Code (NCC) requirements

The NCC allows the use of NatHERS accredited software to comply with the energy efficiency requirements for houses (Class 1 buildings) and apartments (Class 2 sole-occupancy units and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 42 of NCC Volume Two. For apartments the requirements are detailed in clauses J3D3 and J3D15 of NCC Volume One.

NCC 2022 includes enhanced thermal performance requirements for houses and apartments. It also includes a new whole-of-home annual energy use budget which applies to the major equipment in the home.

The NCC, and associated ABCB Standards and support material, can be accessed at www.abcb.gov.au.

Note, variations and additions to the NCC energy efficiency requirements may apply in some states and territories.

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m²/p.a.]	Cooling load (load limit) [MJ/m²/p.a.]	Total load [MJ/m²/p.a.]	Star rating	Whole of Home Rating
G0AE92ICWZ	U1001	12.6 (N/A)	45.7 (N/A)	58.3	7.1	NA
S70UZ44M3D	U1002	32.6 (N/A)	35.8 (N/A)	68.4	6.6	NA

Thermal performance Star rating



**NATIONWIDE
HOUSE**
ENERGY RATING SCHEME®

The rating above is the average of all dwellings in this summary.

For more information on your dwelling's rating see:
www.nathers.gov.au

NCC heating and cooling maximum loads MJ/m²/p.a.

Limits taken from ABCB Standard 2022

	Heating	Cooling
Modelled block average	20.8	27.7
Maximum allowable limit	N/A	N/A

Whole of Home performance rating

No Whole of Home performance rating conducted for this summary certificate or not completed for all dwellings

The rating above is the lowest of all dwellings in this summary

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
SY525MJKUG	U1003	32.0 (N/A)	23.6 (N/A)	55.6	7.2	NA
9KK9IVCXAA	U1004	15.9 (N/A)	11.7 (N/A)	27.6	8.8	NA
9D1SBSKOV	U1005	16.9 (N/A)	32.4 (N/A)	49.3	7.6	NA
CE7AJR4IJW	U1006	8.2 (N/A)	40.0 (N/A)	48.2	7.6	NA
S8SQ0HW1LE	U1007	20.5 (N/A)	45.7 (N/A)	66.2	6.7	NA
1HL2DP6N0M	U1101	10.7 (N/A)	45.8 (N/A)	56.5	7.2	NA
C5YFE4NK00	U1102	32.6 (N/A)	35.7 (N/A)	68.3	6.6	NA
04OORV2L24	U1103	31.3 (N/A)	26.1 (N/A)	57.4	7.2	NA
6TDRX43E63	U1104	15.6 (N/A)	12.5 (N/A)	28.1	8.7	NA
URS6UXJML5	U1105	16.6 (N/A)	33.8 (N/A)	50.4	7.5	NA
4LAVN726KB	U1106	8.0 (N/A)	40.2 (N/A)	48.2	7.6	NA
4VV6QT1GRJ	U1107	20.5 (N/A)	46.4 (N/A)	66.9	6.7	NA
BIN7FJLR44	U1201	9.0 (N/A)	45.7 (N/A)	54.7	7.3	NA
2IA69USRE0	U1202	32.7 (N/A)	35.5 (N/A)	68.2	6.6	NA
C644896WQA	U1203	30.7 (N/A)	29.7 (N/A)	60.4	6.9	NA
5C5C3V8DPE	U1204	15.3 (N/A)	15.4 (N/A)	30.7	8.6	NA
VLCQJWVY66	U1205	16.4 (N/A)	34.7 (N/A)	51.1	7.5	NA
AKC1HFOS8G	U1206	7.9 (N/A)	40.7 (N/A)	48.6	7.6	NA
NZA38ZM7DN	U1207	20.5 (N/A)	47.6 (N/A)	68.1	6.6	NA
VPCAE03NVM	U1301	9.0 (N/A)	45.8 (N/A)	54.8	7.3	NA
OHZUAV9E4Y	U1302	32.5 (N/A)	35.4 (N/A)	67.9	6.6	NA
HPFJ06KJST	U1303	30.2 (N/A)	31.8 (N/A)	62.0	6.9	NA
JXVSKVHCXQ	U1304	14.8 (N/A)	17.5 (N/A)	32.3	8.5	NA
LB7V1G9Q3M	U1305	15.9 (N/A)	35.4 (N/A)	51.3	7.4	NA
ZIDOGGJ3JH	U1306	7.9 (N/A)	40.7 (N/A)	48.6	7.6	NA
QU4BD1VHKP	U1307	20.6 (N/A)	47.9 (N/A)	68.5	6.6	NA
O7QOMGSTRU	U1401	9.2 (N/A)	45.5 (N/A)	54.7	7.3	NA
63QG3ATGME	U1402	32.3 (N/A)	35.9 (N/A)	68.2	6.6	NA
LN3P91G5SA	U1403	29.2 (N/A)	33.1 (N/A)	62.3	6.9	NA
U2GN722ZC9	U1404	14.3 (N/A)	19.6 (N/A)	33.9	8.4	NA
X0LYLWEYHC	U1405	15.7 (N/A)	36.8 (N/A)	52.5	7.4	NA
HO5GDAEBOV	U1406	8.0 (N/A)	40.3 (N/A)	48.3	7.6	NA
AWBRAEXCIB	U1407	20.2 (N/A)	49.0 (N/A)	69.2	6.5	NA
I4EMQVBEEN	U1501	9.5 (N/A)	45.3 (N/A)	54.8	7.3	NA
XRYQ2F7AK6	U1502	32.0 (N/A)	35.5 (N/A)	67.5	6.6	NA
Y0KR9BZ4YG	U1503	28.4 (N/A)	33.2 (N/A)	61.6	6.9	NA
8CPG3MKS0S	U1504	13.9 (N/A)	19.8 (N/A)	33.7	8.4	NA

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
996B7S7UY4	U1505	15.5 (N/A)	37.2 (N/A)	52.7	7.4	NA
HX1LMRUXNO	U1506	8.0 (N/A)	39.9 (N/A)	47.9	7.7	NA
5HP7OUBSXQ	U1507	19.1 (N/A)	48.9 (N/A)	68.0	6.6	NA
5OJ17Z4JTQ	U1601	8.0 (N/A)	45.6 (N/A)	53.6	7.4	NA
DEF39LKE3L	U1602	31.9 (N/A)	35.5 (N/A)	67.4	6.6	NA
2XFLW2T9WM	U1603	28.5 (N/A)	33.2 (N/A)	61.7	6.9	NA
RP7I92NAOX	U1604	14.0 (N/A)	19.3 (N/A)	33.3	8.4	NA
XKD7K1BW7D	U1605	15.6 (N/A)	36.9 (N/A)	52.5	7.4	NA
K7YLYJ8FF	U1606	7.3 (N/A)	39.8 (N/A)	47.1	7.7	NA
F5WG9YH74H	U1607	14.9 (N/A)	49.9 (N/A)	64.8	6.8	NA
7JZGXRTHA5	U1701	8.2 (N/A)	45.1 (N/A)	53.3	7.4	NA
07BTCT1VV1	U1702	31.8 (N/A)	35.6 (N/A)	67.4	6.6	NA
SP5JS2Y77W	U1703	28.7 (N/A)	32.7 (N/A)	61.4	6.9	NA
TE10FAIRYG	U1704	14.1 (N/A)	19.6 (N/A)	33.7	8.4	NA
YB7JOH3CEP	U1705	15.8 (N/A)	36.4 (N/A)	52.2	7.4	NA
7WMDYSOQY5	U1706	7.1 (N/A)	40.2 (N/A)	47.3	7.7	NA
3WJOLWGLNB	U1707	17.6 (N/A)	26.4 (N/A)	44.0	7.9	NA
LJ7OCRRV4K	U1801	8.2 (N/A)	45.6 (N/A)	53.8	7.3	NA
8V2SZ72YBX	U1802	31.7 (N/A)	35.8 (N/A)	67.5	6.6	NA
W232MC1T72	U1803	28.8 (N/A)	32.5 (N/A)	61.3	6.9	NA
BSZDEYY7AH	U1804	14.2 (N/A)	18.9 (N/A)	33.1	8.4	NA
A2VN6I31YO	U1805	15.9 (N/A)	36.4 (N/A)	52.3	7.4	NA
3RJ0PTPECA	U1806	6.9 (N/A)	40.2 (N/A)	47.1	7.7	NA
Z7YCJQ6ZNB	U1807	16.7 (N/A)	26.3 (N/A)	43.0	7.9	NA
I5X4W3GP6E	U1901	7.3 (N/A)	44.5 (N/A)	51.8	7.4	NA
I95T8TI8XV	U1902	31.5 (N/A)	34.6 (N/A)	66.1	6.7	NA
IU4ARDESEQ	U1903	28.9 (N/A)	32.6 (N/A)	61.5	6.9	NA
MDOXF84PDV	U1904	14.4 (N/A)	18.7 (N/A)	33.1	8.4	NA
MAH72ZCEEZ	U1905	16.0 (N/A)	36.3 (N/A)	52.3	7.4	NA
H7B23YAXMT	U1906	6.2 (N/A)	40.2 (N/A)	46.4	7.7	NA
PB9LK6R0D1	U1907	14.2 (N/A)	26.7 (N/A)	40.9	8	NA
Y35CJHM6I2	U2001	7.9 (N/A)	45.7 (N/A)	53.6	7.4	NA
AAOOIPBV4R	U2002	31.9 (N/A)	35.5 (N/A)	67.4	6.6	NA
8HCT7XZ1FX	U2003	29.1 (N/A)	32.4 (N/A)	61.5	6.9	NA
D40EANB9SV	U2004	18.3 (N/A)	20.7 (N/A)	39.0	8.1	NA
LDPTSXJ5HN	U2005	16.1 (N/A)	36.1 (N/A)	52.2	7.4	NA

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
C9N7BR1LEV	U2006	3.0 (N/A)	17.3 (N/A)	20.3	9.2	NA
RV1UYGKJO5	U2007	12.2 (N/A)	47.8 (N/A)	60.0	6.9	NA
DR5P92EBJ8	U202	38.1 (N/A)	35.8 (N/A)	73.9	6.3	NA
3TUYLZO1X2	U203	35.0 (N/A)	13.7 (N/A)	48.7	7.6	NA
HPKH31OFR2	U204	26.8 (N/A)	5.3 (N/A)	32.1	8.5	NA
5IG3FHGAN9	U205	26.3 (N/A)	11.6 (N/A)	37.9	8.2	NA
DNLD96GHMX	U206	12.9 (N/A)	28.2 (N/A)	41.1	7.9	NA
O6PQ3XHXVI	U207	15.7 (N/A)	44.1 (N/A)	59.8	7	NA
NCCIF42SBJ	U2101	9.4 (N/A)	39.1 (N/A)	48.5	7.6	NA
O4U2UDQ2CT	U2102	33.7 (N/A)	32.4 (N/A)	66.1	6.7	NA
W057D0M44L	U2103	31.0 (N/A)	27.9 (N/A)	58.9	7.1	NA
N9RL9A7E1H	U2104	19.6 (N/A)	16.9 (N/A)	36.5	8.3	NA
ZIK4HXA89V	U2105	17.7 (N/A)	29.2 (N/A)	46.9	7.7	NA
ZRG4IWGFFP	U2106	3.9 (N/A)	13.7 (N/A)	17.6	9.3	NA
S7XZ5OMI2U	U2107	14.1 (N/A)	42.1 (N/A)	56.2	7.2	NA
GLB54NQA0P	U2201	9.4 (N/A)	38.9 (N/A)	48.3	7.6	NA
ZN4JW62WDN	U2202	33.8 (N/A)	32.2 (N/A)	66.0	6.7	NA
319LY1UU92	U2203	31.1 (N/A)	27.5 (N/A)	58.6	7.1	NA
L2FOOOPLA5	U2204	19.7 (N/A)	17.0 (N/A)	36.7	8.3	NA
GGOZ0ECOD9	U2205	17.8 (N/A)	29.3 (N/A)	47.1	7.7	NA
VZFP1OMZGC	U2206	3.9 (N/A)	14.0 (N/A)	17.9	9.3	NA
QRWHGWNJVU	U2207	14.1 (N/A)	42.1 (N/A)	56.2	7.2	NA
YGR9HVW0XA	U2301	9.5 (N/A)	38.9 (N/A)	48.4	7.6	NA
B0E7CLFQV2	U2302	34.0 (N/A)	32.2 (N/A)	66.2	6.7	NA
5WT5SDD7JE	U2303	31.2 (N/A)	27.5 (N/A)	58.7	7.1	NA
BDEWOVNB0T	U2304	19.7 (N/A)	16.8 (N/A)	36.5	8.3	NA
KS24G0NYF4	U2305	17.9 (N/A)	29.1 (N/A)	47.0	7.7	NA
R6X2ZBXWQD	U2306	4.0 (N/A)	13.7 (N/A)	17.7	9.3	NA
RYQT88VSTQ	U2307	14.2 (N/A)	42.0 (N/A)	56.2	7.2	NA
7EZCRN4YY2	U2401	9.6 (N/A)	38.8 (N/A)	48.4	7.6	NA
0P2OXEPL7M	U2402	34.1 (N/A)	32.0 (N/A)	66.1	6.7	NA
81UXBWBISl	U2403	31.3 (N/A)	27.3 (N/A)	58.6	7.1	NA
E5EY7MHVKL	U2404	19.8 (N/A)	17.0 (N/A)	36.8	8.3	NA
G87YNC6C64	U2405	18.0 (N/A)	29.0 (N/A)	47.0	7.7	NA
TJVHSGUCB5	U2406	4.0 (N/A)	13.6 (N/A)	17.6	9.3	NA
MW2QX4LERK	U2407	14.3 (N/A)	42.1 (N/A)	56.4	7.2	NA

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
74AVF935K9	U2501	9.6 (N/A)	38.8 (N/A)	48.4	7.6	NA
09MBZ4K7F0	U2502	34.2 (N/A)	31.9 (N/A)	66.1	6.7	NA
2FTP8UGRAS	U2503	33.0 (N/A)	36.4 (N/A)	69.4	6.5	NA
11UV7YJ9BT	U2504	27.7 (N/A)	21.5 (N/A)	49.2	7.6	NA
MY1BFNJ113	U2505	18.1 (N/A)	28.7 (N/A)	46.8	7.7	NA
UN80R1KVXU	U2506	4.0 (N/A)	13.5 (N/A)	17.5	9.3	NA
3M51I8O0EA	U2507	14.2 (N/A)	41.7 (N/A)	55.9	7.2	NA
VL5WOENSKV	U2601	9.7 (N/A)	38.4 (N/A)	48.1	7.6	NA
LOZG8N33EF	U2602	34.3 (N/A)	31.7 (N/A)	66.0	6.7	NA
OXMQZA293G	U2603	23.2 (N/A)	32.6 (N/A)	55.8	7.2	NA
8SW1HJSLMN	U2604	4.1 (N/A)	13.6 (N/A)	17.7	9.3	NA
O2LBJOWY35	U2605	14.3 (N/A)	41.8 (N/A)	56.1	7.2	NA
FVW9V78O7N	U2701	10.4 (N/A)	34.5 (N/A)	44.9	7.8	NA
LNIDX2189Y	U2702	35.1 (N/A)	30.4 (N/A)	65.5	6.7	NA
5RR10WMKHK	U2703	40.2 (N/A)	26.0 (N/A)	66.2	6.7	NA
NEF8BN6XFK	U2704	26.4 (N/A)	15.0 (N/A)	41.4	7.9	NA
KDO8BADHOR	U2705	18.9 (N/A)	26.5 (N/A)	45.4	7.8	NA
WYZF9XD4I9	U2706	4.5 (N/A)	12.4 (N/A)	16.9	9.4	NA
VYHWAHIZBK	U2707	15.4 (N/A)	38.4 (N/A)	53.8	7.3	NA
5D2ZO1DS00	U2801	10.4 (N/A)	34.3 (N/A)	44.7	7.8	NA
SE60XYOA8O	U2802	35.2 (N/A)	30.2 (N/A)	65.4	6.7	NA
JBPGYV5173	U2803	32.5 (N/A)	24.5 (N/A)	57.0	7.2	NA
2NGEVS5A0H	U2804	20.7 (N/A)	15.6 (N/A)	36.3	8.3	NA
TVERQR2R8L	U2805	19.0 (N/A)	26.3 (N/A)	45.3	7.8	NA
2H1XA3YWA2	U2806	4.6 (N/A)	12.4 (N/A)	17.0	9.4	NA
6LU68E81EF	U2807	15.5 (N/A)	38.2 (N/A)	53.7	7.4	NA
3OK04Y770H	U2901	10.5 (N/A)	34.3 (N/A)	44.8	7.8	NA
3N3WAUWSD1	U2902	35.3 (N/A)	30.0 (N/A)	65.3	6.7	NA
4J98LHAHTL	U2903	32.6 (N/A)	24.7 (N/A)	57.3	7.1	NA
TAN3SO7A2M	U2904	20.7 (N/A)	15.4 (N/A)	36.1	8.3	NA
61638SS86N	U2905	19.1 (N/A)	26.1 (N/A)	45.2	7.8	NA
RPYMKUOLPX	U2906	4.6 (N/A)	12.6 (N/A)	17.2	9.4	NA
YYKQ2EVHO9	U2907	15.6 (N/A)	38.0 (N/A)	53.6	7.4	NA
AVUEYHNRFF	U3001	10.5 (N/A)	34.5 (N/A)	45.0	7.8	NA
SS4KZ5Z7RH	U3002	35.3 (N/A)	30.1 (N/A)	65.4	6.7	NA
GILX8VNHUU	U3003	32.7 (N/A)	24.4 (N/A)	57.1	7.2	NA

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
RARFVBCVCX	U3004	20.7 (N/A)	15.4 (N/A)	36.1	8.3	NA
Z5A4KGIBQ8	U3005	19.1 (N/A)	26.0 (N/A)	45.1	7.8	NA
OPSK11J7GD	U3006	4.6 (N/A)	12.5 (N/A)	17.1	9.4	NA
3G6VYRBYYY	U3007	15.6 (N/A)	38.0 (N/A)	53.6	7.4	NA
O9UQDVN1TD	U301	28.1 (N/A)	47.5 (N/A)	75.6	6.2	NA
SOOYZ3EGI7	U302	37.3 (N/A)	30.1 (N/A)	67.4	6.6	NA
UG33O93ZAS	U303	39.2 (N/A)	16.3 (N/A)	55.5	7.3	NA
ASOEVE34AO	U304	25.6 (N/A)	5.2 (N/A)	30.8	8.6	NA
TPYIE9R019	U305	25.5 (N/A)	6.4 (N/A)	31.9	8.6	NA
SAPYYHG0BD	U306	15.6 (N/A)	47.3 (N/A)	62.9	6.9	NA
2X0AC9AKDV	U307	17.7 (N/A)	50.1 (N/A)	67.8	6.6	NA
NM0WGBRGO3	U3101	10.6 (N/A)	34.5 (N/A)	45.1	7.8	NA
FTM2FKUY2P	U3102	35.4 (N/A)	29.8 (N/A)	65.2	6.7	NA
U1UO0RPKPW	U3103	32.7 (N/A)	24.8 (N/A)	57.5	7.1	NA
A4J56YY5A9	U3104	20.8 (N/A)	15.2 (N/A)	36.0	8.3	NA
M1MUW3A8Q5	U3105	19.1 (N/A)	26.0 (N/A)	45.1	7.8	NA
R2O8JAUAIM	U3106	4.6 (N/A)	12.5 (N/A)	17.1	9.4	NA
DYAT1KKQ5R	U3107	15.7 (N/A)	37.9 (N/A)	53.6	7.4	NA
VYY2D3P916	U3201	10.7 (N/A)	34.2 (N/A)	44.9	7.8	NA
RR3TFHQLW6	U3202	35.5 (N/A)	30.1 (N/A)	65.6	6.7	NA
DYWY6Y032L	U3203	32.9 (N/A)	24.6 (N/A)	57.5	7.1	NA
TTC9J2EV5Q	U3204	20.9 (N/A)	15.1 (N/A)	36.0	8.3	NA
UUIM4V4ROU	U3205	19.3 (N/A)	26.0 (N/A)	45.3	7.8	NA
4949N7BA5O	U3206	4.6 (N/A)	12.5 (N/A)	17.1	9.4	NA
CWHPN7O4JM	U3207	15.9 (N/A)	38.0 (N/A)	53.9	7.3	NA
C5PGLTPK3K	U3301	10.7 (N/A)	34.2 (N/A)	44.9	7.8	NA
4JPHRUYDWM	U3302	35.5 (N/A)	29.8 (N/A)	65.3	6.7	NA
1EZQN7M286	U3303	32.9 (N/A)	24.6 (N/A)	57.5	7.1	NA
H9HBR8TYX3	U3304	20.9 (N/A)	15.0 (N/A)	35.9	8.3	NA
R1HVT2H983	U3305	19.2 (N/A)	26.0 (N/A)	45.2	7.8	NA
JLI7V8F82O	U3306	4.6 (N/A)	12.5 (N/A)	17.1	9.4	NA
GWL6D4CN0S	U3307	15.8 (N/A)	38.0 (N/A)	53.8	7.3	NA
A9P2497E7V	U3401	10.8 (N/A)	34.1 (N/A)	44.9	7.8	NA
0N4FX51JQT	U3402	35.6 (N/A)	30.0 (N/A)	65.6	6.7	NA
3U6JW4PKRZ	U3403	33.0 (N/A)	24.8 (N/A)	57.8	7.1	NA
04JP2J5PCV	U3404	21.0 (N/A)	15.1 (N/A)	36.1	8.3	NA

Summary of all dwellings

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ABBYH31GIH	U3405	19.4 (N/A)	25.7 (N/A)	45.1	7.8	NA
C26GZQDGF9	U3406	4.6 (N/A)	12.4 (N/A)	17.0	9.4	NA
TWWH46EPNN	U3407	15.9 (N/A)	37.5 (N/A)	53.4	7.4	NA
AMH5S1SZV3	U3501	10.8 (N/A)	34.2 (N/A)	45.0	7.8	NA
CJCJW87CZM	U3502	35.6 (N/A)	30.0 (N/A)	65.6	6.7	NA
GZJCBOO4M1	U3503	33.0 (N/A)	24.7 (N/A)	57.7	7.1	NA
ZM35H0VAY7	U3504	21.0 (N/A)	15.1 (N/A)	36.1	8.3	NA
7OUM7KUNU6	U3505	19.4 (N/A)	25.6 (N/A)	45.0	7.8	NA
8BZAHKCE4E	U3506	4.6 (N/A)	12.4 (N/A)	17.0	9.4	NA
NYM3D0QHC6	U3507	15.9 (N/A)	37.6 (N/A)	53.5	7.4	NA
M6O1P2E7F1	U3601	10.9 (N/A)	34.0 (N/A)	44.9	7.8	NA
4BJP3YW2X7	U3602	35.7 (N/A)	29.9 (N/A)	65.6	6.7	NA
XQGTUIB1IG	U3603	33.1 (N/A)	24.4 (N/A)	57.5	7.1	NA
3NKYTBW7VO	U3604	21.0 (N/A)	14.9 (N/A)	35.9	8.3	NA
FF9CKLP79P	U3605	19.5 (N/A)	25.6 (N/A)	45.1	7.8	NA
EYTEI6Z4HG	U3606	4.7 (N/A)	12.2 (N/A)	16.9	9.4	NA
0NY97Q0V52	U3607	16.0 (N/A)	37.4 (N/A)	53.4	7.4	NA
BYGI1SREJI	U3701	10.9 (N/A)	33.8 (N/A)	44.7	7.8	NA
3E23CF3FPX	U3702	35.8 (N/A)	29.9 (N/A)	65.7	6.7	NA
L10PY2R9F3	U3703	33.2 (N/A)	24.2 (N/A)	57.4	7.1	NA
V4BHOPRKM0	U3704	21.1 (N/A)	14.7 (N/A)	35.8	8.3	NA
PVV8MWV562	U3705	19.6 (N/A)	25.4 (N/A)	45.0	7.8	NA
XUFIQJ81U9	U3706	4.6 (N/A)	12.2 (N/A)	16.8	9.4	NA
AR8QX9CUOW	U3707	16.1 (N/A)	37.4 (N/A)	53.5	7.4	NA
XT3YHZG1CB	U3801	11.0 (N/A)	33.6 (N/A)	44.6	7.8	NA
HWDNFAY20E	U3802	35.8 (N/A)	29.8 (N/A)	65.6	6.7	NA
R0ZNZ7WELN	U3803	33.2 (N/A)	24.1 (N/A)	57.3	7.2	NA
TAQJEE1RA0	U3804	21.1 (N/A)	14.2 (N/A)	35.3	8.4	NA
DGZT2OOVKX	U3805	19.6 (N/A)	25.5 (N/A)	45.1	7.8	NA
KK3KF73P8K	U3806	4.6 (N/A)	12.2 (N/A)	16.8	9.4	NA
DBQYRGG3JB	U3807	16.2 (N/A)	37.4 (N/A)	53.6	7.4	NA
IH1AAKAGUL	U3901	11.0 (N/A)	33.6 (N/A)	44.6	7.8	NA
TB3XDJGFEG	U3902	35.9 (N/A)	29.9 (N/A)	65.8	6.7	NA
KLS0XBZABW	U3903	33.3 (N/A)	23.9 (N/A)	57.2	7.2	NA
IVMJPD3J4	U3904	21.2 (N/A)	14.7 (N/A)	35.9	8.3	NA
6W5X0BI3VI	U3905	19.6 (N/A)	25.4 (N/A)	45.0	7.8	NA

Summary of all dwellings

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9AYC06YBM9	U3906	4.7 (N/A)	12.0 (N/A)	16.7	9.4	NA
UAE8C8YUI9	U3907	16.3 (N/A)	37.6 (N/A)	53.9	7.3	NA
0M5JJXQ59V	U4001	11.0 (N/A)	33.5 (N/A)	44.5	7.8	NA
36P3Wl6JSS	U4002	35.9 (N/A)	29.9 (N/A)	65.8	6.7	NA
ORQKK6S7U2	U4003	33.3 (N/A)	23.9 (N/A)	57.2	7.2	NA
NXUVRWEP3C	U4004	21.2 (N/A)	14.6 (N/A)	35.8	8.3	NA
P3B1GXVKL4	U4005	19.6 (N/A)	25.2 (N/A)	44.8	7.8	NA
BPCZVJ5V8M	U4006	4.7 (N/A)	12.0 (N/A)	16.7	9.4	NA
YCLG3DMAS8	U4007	16.3 (N/A)	37.4 (N/A)	53.7	7.4	NA
AKG3OFSUZP	U401	30.4 (N/A)	46.1 (N/A)	76.5	6.1	NA
RC8AAAD0QN	U402	40.4 (N/A)	22.4 (N/A)	62.8	6.9	NA
7D26W5YXFE	U403	38.0 (N/A)	14.3 (N/A)	52.3	7.4	NA
9HXG9l4VJS	U404	19.6 (N/A)	5.5 (N/A)	25.1	8.9	NA
ZVBWWZZ0AC	U405	18.3 (N/A)	8.7 (N/A)	27.0	8.8	NA
6J3ZX6RJHT	U406	17.5 (N/A)	23.4 (N/A)	40.9	8	NA
R4OUQJO1B2	U407	19.6 (N/A)	50.6 (N/A)	70.2	6.4	NA
7JMSHKU6KN	U4101	11.1 (N/A)	33.0 (N/A)	44.1	7.8	NA
5C0JN3S39A	U4102	36.0 (N/A)	29.9 (N/A)	65.9	6.7	NA
DYAP45TCFO	U4103	33.4 (N/A)	24.0 (N/A)	57.4	7.1	NA
AXZEF6C9A6	U4104	21.3 (N/A)	14.2 (N/A)	35.5	8.3	NA
C6DMGWXVNP	U4105	19.7 (N/A)	25.1 (N/A)	44.8	7.8	NA
C7Y3ZEUN7T	U4106	4.7 (N/A)	11.9 (N/A)	16.6	9.4	NA
EVDOM6DBFS	U4107	16.4 (N/A)	37.1 (N/A)	53.5	7.4	NA
5UTBOXMIIG	U4201	11.1 (N/A)	32.8 (N/A)	43.9	7.9	NA
NLM0WETAJ6	U4202	36.0 (N/A)	29.9 (N/A)	65.9	6.7	NA
ZILO3DY6J0	U4203	33.4 (N/A)	23.9 (N/A)	57.3	7.2	NA
V6WKG2VO9O	U4204	21.2 (N/A)	14.2 (N/A)	35.4	8.4	NA
HLQKF84GJ6	U4205	19.7 (N/A)	25.1 (N/A)	44.8	7.8	NA
UE52HHYHII	U4206	4.7 (N/A)	12.0 (N/A)	16.7	9.4	NA
JFPVMQEP1Y	U4207	16.4 (N/A)	37.0 (N/A)	53.4	7.4	NA
7UVN8RZDBB	U4301	11.2 (N/A)	32.8 (N/A)	44.0	7.9	NA
GOS30B6AQI	U4302	36.1 (N/A)	30.0 (N/A)	66.1	6.7	NA
90LW41FYVX	U4303	33.5 (N/A)	23.6 (N/A)	57.1	7.2	NA
0RLMJ12A8S	U4304	21.4 (N/A)	14.2 (N/A)	35.6	8.3	NA
W50G696X7P	U4305	19.8 (N/A)	24.7 (N/A)	44.5	7.8	NA
H2CP6RSUHB	U4306	4.8 (N/A)	12.0 (N/A)	16.8	9.4	NA

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ADTTHO5DRJ	U4307	16.5 (N/A)	37.1 (N/A)	53.6	7.4	NA
21OIAPYWQM	U4401	11.2 (N/A)	33.0 (N/A)	44.2	7.8	NA
LQZHQPWIK	U4402	36.1 (N/A)	30.0 (N/A)	66.1	6.7	NA
NWB9ADRQAI	U4403	33.5 (N/A)	23.8 (N/A)	57.3	7.2	NA
AXYP67HD67	U4404	21.4 (N/A)	14.7 (N/A)	36.1	8.3	NA
EM3GHTK21M	U4405	19.8 (N/A)	24.8 (N/A)	44.6	7.8	NA
QOQV2X4MQW	U4406	4.8 (N/A)	11.7 (N/A)	16.5	9.4	NA
E0DZ56RC4G	U4407	16.5 (N/A)	37.0 (N/A)	53.5	7.4	NA
DXOTSDSMC4	U4501	11.3 (N/A)	33.3 (N/A)	44.6	7.8	NA
HRRBC7HR8J	U4502	36.2 (N/A)	29.8 (N/A)	66.0	6.7	NA
UP7I6PKE7I	U4503	33.6 (N/A)	23.6 (N/A)	57.2	7.2	NA
BPK3FF5L1K	U4504	21.4 (N/A)	14.8 (N/A)	36.2	8.3	NA
WDTZYO9DN6	U4505	19.9 (N/A)	24.6 (N/A)	44.5	7.8	NA
T8NXCHXB65	U4506	4.8 (N/A)	11.9 (N/A)	16.7	9.4	NA
F285Q0LL5X	U4507	16.5 (N/A)	37.2 (N/A)	53.7	7.4	NA
17HS2V6XU5	U4601	11.3 (N/A)	33.0 (N/A)	44.3	7.8	NA
6LGIXDFLU	U4602	36.2 (N/A)	29.9 (N/A)	66.1	6.7	NA
3Y1AOBQ32M	U4603	33.6 (N/A)	23.6 (N/A)	57.2	7.2	NA
R0L9XJWKMN	U4604	21.4 (N/A)	14.8 (N/A)	36.2	8.3	NA
HKN97AKXEU	U4605	19.9 (N/A)	24.7 (N/A)	44.6	7.8	NA
OGRPFD1M1M	U4606	4.8 (N/A)	11.8 (N/A)	16.6	9.4	NA
5VEC7GMMCW	U4607	16.6 (N/A)	37.3 (N/A)	53.9	7.3	NA
423Y1A3834	U4701	11.4 (N/A)	32.8 (N/A)	44.2	7.8	NA
0AZZGPAZSV	U4702	36.3 (N/A)	29.8 (N/A)	66.1	6.7	NA
DIT2Y4DDRM	U4703	33.7 (N/A)	23.8 (N/A)	57.5	7.1	NA
CB3C3MRQLH	U4704	21.5 (N/A)	14.8 (N/A)	36.3	8.3	NA
AZ886J8JEN	U4705	20.0 (N/A)	24.4 (N/A)	44.4	7.8	NA
MW1K9MQ80W	U4706	4.9 (N/A)	11.8 (N/A)	16.7	9.4	NA
OIM834TGSP	U4707	16.7 (N/A)	36.9 (N/A)	53.6	7.4	NA
29SRDLUR5V	U4801	11.4 (N/A)	32.7 (N/A)	44.1	7.8	NA
3KQKVASVKH	U4802	36.3 (N/A)	29.8 (N/A)	66.1	6.7	NA
PP5V1OZ44S	U4803	46.0 (N/A)	32.7 (N/A)	78.7	6	NA
EEF50SSH6C	U4804	29.5 (N/A)	19.0 (N/A)	48.5	7.6	NA
OP89319T4E	U4805	20.0 (N/A)	24.3 (N/A)	44.3	7.8	NA
6R71ZL4X17	U4806	4.9 (N/A)	11.8 (N/A)	16.7	9.4	NA
S8N1AO1ET4	U4807	16.7 (N/A)	37.0 (N/A)	53.7	7.4	NA

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7L26O08MKO	U4901	11.5 (N/A)	32.6 (N/A)	44.1	7.8	NA
U0D7Y9RAI4	U4902	36.4 (N/A)	29.8 (N/A)	66.2	6.7	NA
QO3FZG17ZY	U4903	25.0 (N/A)	28.5 (N/A)	53.5	7.4	NA
4LP98HH5IP	U4904	4.9 (N/A)	11.8 (N/A)	16.7	9.4	NA
YG0KFX6XMV	U4905	16.8 (N/A)	36.9 (N/A)	53.7	7.4	NA
O4ILKN0MRX	U5001	11.5 (N/A)	32.7 (N/A)	44.2	7.8	NA
ZZNMVWY1TQ	U5002	36.4 (N/A)	29.7 (N/A)	66.1	6.7	NA
Y83AMOMU FK	U5003	41.7 (N/A)	24.8 (N/A)	66.5	6.7	NA
2G35V44KGR	U5004	27.5 (N/A)	13.8 (N/A)	41.3	7.9	NA
C53QO5A402	U5005	20.1 (N/A)	24.0 (N/A)	44.1	7.8	NA
1FMZI6MMQZ	U5006	4.8 (N/A)	11.8 (N/A)	16.6	9.4	NA
BRD4U6GV8N	U5007	16.8 (N/A)	36.6 (N/A)	53.4	7.4	NA
GSQ7XMC GJ6	U501	27.7 (N/A)	46.2 (N/A)	73.9	6.3	NA
F8WDIZO7TC	U502	40.3 (N/A)	23.8 (N/A)	64.1	6.8	NA
0VO0B4GQGN	U503	37.0 (N/A)	16.4 (N/A)	53.4	7.4	NA
L8YI6O35CK	U504	17.2 (N/A)	12.2 (N/A)	29.4	8.7	NA
4L9KNTHLL0	U505	26.5 (N/A)	27.5 (N/A)	54.0	7.3	NA
5QI8BUDZ63	U506	10.0 (N/A)	38.9 (N/A)	48.9	7.6	NA
FV96UHJ OH4	U507	21.1 (N/A)	42.8 (N/A)	63.9	6.8	NA
D5YMT5VLSH	U5101	11.5 (N/A)	32.6 (N/A)	44.1	7.8	NA
HCO2BJCRFL	U5102	36.4 (N/A)	29.8 (N/A)	66.2	6.7	NA
L5C1FK55V1	U5103	33.8 (N/A)	23.9 (N/A)	57.7	7.1	NA
UX8OPUP3R5	U5104	21.6 (N/A)	14.6 (N/A)	36.2	8.3	NA
YPMVZVWGR9	U5105	20.1 (N/A)	24.3 (N/A)	44.4	7.8	NA
V5Y7LELM3Z	U5106	4.8 (N/A)	11.8 (N/A)	16.6	9.4	NA
LU4WXUZ5S8	U5107	16.8 (N/A)	36.7 (N/A)	53.5	7.4	NA
216KBNHXYX	U5201	11.6 (N/A)	32.9 (N/A)	44.5	7.8	NA
HGDK6WTO22	U5202	36.5 (N/A)	29.8 (N/A)	66.3	6.7	NA
3255XIQAH3	U5203	33.9 (N/A)	24.0 (N/A)	57.9	7.1	NA
JQWVDTC2OT	U5204	21.7 (N/A)	14.4 (N/A)	36.1	8.3	NA
YCCYUNFB97	U5205	20.3 (N/A)	25.4 (N/A)	45.7	7.8	NA
PAX64PS0M0	U5206	4.8 (N/A)	11.7 (N/A)	16.5	9.4	NA
91P9KYTWN8	U5207	16.8 (N/A)	36.6 (N/A)	53.4	7.4	NA
OGA45W6MQ8	U5301	11.6 (N/A)	32.8 (N/A)	44.4	7.8	NA
JLI7TTIRSG	U5302	36.5 (N/A)	29.9 (N/A)	66.4	6.7	NA
L7CMZJYZ0X	U5303	33.9 (N/A)	23.8 (N/A)	57.7	7.1	NA

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4W4F5JJEV5	U5304	21.7 (N/A)	14.4 (N/A)	36.1	8.3	NA
GPYQ37KZ78	U5305	20.3 (N/A)	25.4 (N/A)	45.7	7.8	NA
CVJGY4R82O	U5306	4.8 (N/A)	11.7 (N/A)	16.5	9.4	NA
Y4KI5MKPYE	U5307	16.9 (N/A)	36.5 (N/A)	53.4	7.4	NA
5FGLZMEJ7O	U5401	11.7 (N/A)	33.0 (N/A)	44.7	7.8	NA
N3SSI4TA7S	U5402	36.6 (N/A)	29.8 (N/A)	66.4	6.7	NA
QAG9A782DO	U5403	34.0 (N/A)	24.2 (N/A)	58.2	7.1	NA
QRZXBVZ1G8	U5404	21.8 (N/A)	14.4 (N/A)	36.2	8.3	NA
X2BQ80CPOK	U5405	20.4 (N/A)	25.5 (N/A)	45.9	7.8	NA
0FRVKHCCUQ	U5406	4.9 (N/A)	11.7 (N/A)	16.6	9.4	NA
EWRUTXK273	U5407	17.0 (N/A)	36.4 (N/A)	53.4	7.4	NA
CSFIMZ8EX3	U5501	11.7 (N/A)	33.0 (N/A)	44.7	7.8	NA
UZIE05Q2XL	U5502	36.6 (N/A)	29.9 (N/A)	66.5	6.7	NA
KF3VJLPUYB	U5503	34.0 (N/A)	24.1 (N/A)	58.1	7.1	NA
68ZQA9TH76	U5504	21.8 (N/A)	14.2 (N/A)	36.0	8.3	NA
K4JNFSYAV3	U5505	20.4 (N/A)	25.3 (N/A)	45.7	7.8	NA
6YMKVJR0UN	U5506	4.8 (N/A)	11.7 (N/A)	16.5	9.4	NA
G02ATLEEW5	U5507	17.0 (N/A)	36.4 (N/A)	53.4	7.4	NA
V11ZXWRYC4	U5601	11.7 (N/A)	32.4 (N/A)	44.1	7.8	NA
FNEZ21TIEX	U5602	36.7 (N/A)	29.7 (N/A)	66.4	6.7	NA
4PB23FFED1	U5603	34.1 (N/A)	24.0 (N/A)	58.1	7.1	NA
DJTOH85UF1	U5604	21.8 (N/A)	14.2 (N/A)	36.0	8.3	NA
WPFNDX06WQ	U5605	20.5 (N/A)	25.3 (N/A)	45.8	7.8	NA
JU8MV1ASHM	U5606	4.9 (N/A)	11.6 (N/A)	16.5	9.4	NA
I97YAIUQC4	U5607	17.1 (N/A)	36.6 (N/A)	53.7	7.3	NA
XHYKUP18JE	U5701	11.7 (N/A)	32.7 (N/A)	44.4	7.8	NA
GTQMSHTG3G	U5702	36.7 (N/A)	29.6 (N/A)	66.3	6.7	NA
QWGW7NDM1MF	U5703	34.1 (N/A)	23.9 (N/A)	58.0	7.1	NA
89F16UNS9P	U5704	21.8 (N/A)	14.3 (N/A)	36.1	8.3	NA
I861Y5RE9G	U5705	20.5 (N/A)	25.3 (N/A)	45.8	7.8	NA
0IMLSD2QK6	U5706	4.9 (N/A)	11.5 (N/A)	16.4	9.4	NA
NOSIN9CNCB	U5707	17.1 (N/A)	36.9 (N/A)	54.0	7.3	NA
9DPIDAWUJV	U5801	11.8 (N/A)	32.6 (N/A)	44.4	7.8	NA
MXXQRRZTXX	U5802	36.7 (N/A)	29.5 (N/A)	66.2	6.7	NA
NRDQ8BPQ9L	U5803	34.1 (N/A)	24.0 (N/A)	58.1	7.1	NA
KC7WVNC4FT	U5804	21.8 (N/A)	14.2 (N/A)	36.0	8.3	NA

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
BJULLN7X9U	U5805	20.5 (N/A)	25.0 (N/A)	45.5	7.8	NA
9VKP7EJ3RE	U5806	4.9 (N/A)	11.4 (N/A)	16.3	9.4	NA
KBL6QQ9EOH	U5807	17.1 (N/A)	36.6 (N/A)	53.7	7.4	NA
28HXFT0YYS	U5901	11.8 (N/A)	32.7 (N/A)	44.5	7.8	NA
BOHDDLJ94J	U5902	36.8 (N/A)	29.4 (N/A)	66.2	6.7	NA
0KP52YGG8B9	U5903	34.2 (N/A)	24.1 (N/A)	58.3	7.1	NA
J03PW7RGJS	U5904	21.9 (N/A)	14.1 (N/A)	36.0	8.3	NA
FD8507DG0K	U5905	20.6 (N/A)	25.0 (N/A)	45.6	7.8	NA
H96SBHGRNK	U5906	4.9 (N/A)	11.4 (N/A)	16.3	9.4	NA
O96PQTGM0I	U5907	17.2 (N/A)	36.3 (N/A)	53.5	7.4	NA
87H9MUBEP9	U6001	11.8 (N/A)	32.7 (N/A)	44.5	7.8	NA
88OIP472DG	U6002	36.8 (N/A)	29.4 (N/A)	66.2	6.7	NA
VAER9J9OBR	U6003	34.2 (N/A)	24.0 (N/A)	58.2	7.1	NA
YYVKLXJ42X	U6004	21.9 (N/A)	14.1 (N/A)	36.0	8.3	NA
T5TSHCG8YQ	U6005	20.6 (N/A)	25.0 (N/A)	45.6	7.8	NA
WQF2U830AD	U6006	4.9 (N/A)	11.4 (N/A)	16.3	9.4	NA
VXC8LKND61	U6007	17.2 (N/A)	36.4 (N/A)	53.6	7.4	NA
5S5IIOVDMS	U601	28.0 (N/A)	45.7 (N/A)	73.7	6.3	NA
W5EPS400GL	U602	39.3 (N/A)	30.9 (N/A)	70.2	6.4	NA
KD9IFILC0G	U603	36.3 (N/A)	19.4 (N/A)	55.7	7.2	NA
J3DR5MU90X	U604	16.0 (N/A)	12.8 (N/A)	28.8	8.7	NA
9AMOGJQUOZ	U605	23.5 (N/A)	29.3 (N/A)	52.8	7.4	NA
RTH5T1TXD9	U606	9.6 (N/A)	39.3 (N/A)	48.9	7.6	NA
CSNGI31XUF	U607	21.8 (N/A)	42.0 (N/A)	63.8	6.8	NA
4S4ZC63UH6	U6101	11.8 (N/A)	32.5 (N/A)	44.3	7.8	NA
ZCC65TQZE5	U6102	36.8 (N/A)	29.4 (N/A)	66.2	6.7	NA
RHQD9V7QED	U6103	34.2 (N/A)	24.2 (N/A)	58.4	7.1	NA
56ONGA83ZK	U6104	21.9 (N/A)	14.0 (N/A)	35.9	8.3	NA
13Y56XC0ZQ	U6105	20.6 (N/A)	25.0 (N/A)	45.6	7.8	NA
8MQEGGZS83	U6106	4.9 (N/A)	11.4 (N/A)	16.3	9.4	NA
LFLN9V3D78	U6107	17.2 (N/A)	36.4 (N/A)	53.6	7.4	NA
XE03L64SXX	U6201	11.9 (N/A)	32.4 (N/A)	44.3	7.8	NA
9RV72SPJGA	U6202	36.9 (N/A)	29.4 (N/A)	66.3	6.7	NA
LP468WSL5K	U6203	34.3 (N/A)	23.8 (N/A)	58.1	7.1	NA
383034WW2J	U6204	22.0 (N/A)	14.0 (N/A)	36.0	8.3	NA
LG5Y34TOUQ	U6205	20.5 (N/A)	25.1 (N/A)	45.6	7.8	NA

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
FT66WHJ44Z	U6206	5.0 (N/A)	11.4 (N/A)	16.4	9.4	NA
OSWMQAX4D8	U6207	17.3 (N/A)	36.3 (N/A)	53.6	7.4	NA
62R7YFTGCE	U6301	12.0 (N/A)	32.2 (N/A)	44.2	7.8	NA
CD1OFKC7EV	U6302	36.9 (N/A)	29.4 (N/A)	66.3	6.7	NA
U11C42TTH2	U6303	34.3 (N/A)	23.8 (N/A)	58.1	7.1	NA
GZLWUMC9IR	U6304	22.0 (N/A)	14.1 (N/A)	36.1	8.3	NA
YD10WL1HGG	U6305	20.7 (N/A)	25.1 (N/A)	45.8	7.8	NA
800SNEAOC5	U6306	5.0 (N/A)	11.4 (N/A)	16.4	9.4	NA
V98J8N2E42	U6307	17.3 (N/A)	36.4 (N/A)	53.7	7.4	NA
HCYW7QABPT	U6401	11.9 (N/A)	32.2 (N/A)	44.1	7.8	NA
AMNB4P83IP	U6402	37.0 (N/A)	29.5 (N/A)	66.5	6.7	NA
MY6M6YFR1J	U6403	34.4 (N/A)	23.7 (N/A)	58.1	7.1	NA
SXNO85BDU7	U6404	22.1 (N/A)	14.2 (N/A)	36.3	8.3	NA
E88T4JW7PS	U6405	20.8 (N/A)	25.1 (N/A)	45.9	7.8	NA
LSKGAN88C8	U6406	4.9 (N/A)	11.4 (N/A)	16.3	9.4	NA
CHCJ4T177O	U6407	17.4 (N/A)	36.3 (N/A)	53.7	7.4	NA
KX4RET1UEC	U6501	11.9 (N/A)	32.0 (N/A)	43.9	7.9	NA
WAAYIYR50Y	U6502	37.0 (N/A)	29.5 (N/A)	66.5	6.7	NA
GYQC4JWGIP	U6503	34.4 (N/A)	23.8 (N/A)	58.2	7.1	NA
155AZQHFCN	U6504	22.1 (N/A)	14.2 (N/A)	36.3	8.3	NA
4GZIRAS1GD	U6505	20.7 (N/A)	25.1 (N/A)	45.8	7.8	NA
39UOZK2PNN	U6506	4.9 (N/A)	11.4 (N/A)	16.3	9.4	NA
NJYXBVTF22	U6507	17.4 (N/A)	36.3 (N/A)	53.7	7.4	NA
Z1NDMUL7ME	U6601	12.0 (N/A)	31.9 (N/A)	43.9	7.9	NA
1XWUKG20KZ	U6602	37.0 (N/A)	29.5 (N/A)	66.5	6.7	NA
TBAQCLRVA9	U6603	34.4 (N/A)	23.9 (N/A)	58.3	7.1	NA
RLGPA4ZW7C	U6604	22.1 (N/A)	14.1 (N/A)	36.2	8.3	NA
4COZJI4UPI	U6605	20.8 (N/A)	24.9 (N/A)	45.7	7.8	NA
7CKLIWBWMN	U6606	4.9 (N/A)	11.4 (N/A)	16.3	9.4	NA
X8JCKTVMZY	U6607	17.4 (N/A)	36.3 (N/A)	53.7	7.3	NA
6FENZ62X93	U6701	12.1 (N/A)	31.9 (N/A)	44.0	7.9	NA
M7YB27UW08	U6702	37.1 (N/A)	29.5 (N/A)	66.6	6.7	NA
42XCRKRCS9	U6703	34.5 (N/A)	23.7 (N/A)	58.2	7.1	NA
RUO6EKIA46	U6704	22.1 (N/A)	14.2 (N/A)	36.3	8.3	NA
IYX9RRS1ZP	U6705	20.8 (N/A)	25.0 (N/A)	45.8	7.8	NA
EHA6XQ7E64	U6706	5.0 (N/A)	11.4 (N/A)	16.4	9.4	NA

Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
B722SHB1EC	U6707	17.5 (N/A)	36.4 (N/A)	53.9	7.3	NA
5RRQZHOIOQ	U6801	12.1 (N/A)	31.8 (N/A)	43.9	7.9	NA
TERNGRK9KD	U6802	37.1 (N/A)	29.5 (N/A)	66.6	6.7	NA
V9I96JYWXN	U6803	34.5 (N/A)	23.8 (N/A)	58.3	7.1	NA
XEZNSJDIK	U6804	22.1 (N/A)	14.2 (N/A)	36.3	8.3	NA
VRNO0HHY4P	U6805	20.7 (N/A)	25.0 (N/A)	45.7	7.8	NA
FXRMYMIPPY	U6806	5.0 (N/A)	11.5 (N/A)	16.5	9.4	NA
RDW2JT8M1Q	U6807	17.5 (N/A)	36.4 (N/A)	53.9	7.3	NA
QI9GG88R6F	U6901	12.1 (N/A)	31.7 (N/A)	43.8	7.9	NA
NJ1EAQ5DC7	U6902	37.1 (N/A)	29.4 (N/A)	66.5	6.7	NA
G8TN1VOCKJ	U6903	34.5 (N/A)	23.8 (N/A)	58.3	7.1	NA
TIFX0PJF1W	U6904	22.1 (N/A)	14.1 (N/A)	36.2	8.3	NA
C35JZI5TJU	U6905	20.8 (N/A)	24.9 (N/A)	45.7	7.8	NA
TGYRTWVQ73	U6906	5.0 (N/A)	11.3 (N/A)	16.3	9.4	NA
TID7ARET7M	U6907	17.5 (N/A)	36.5 (N/A)	54.0	7.3	NA
G9HXJRCUU3	U7001	22.5 (N/A)	42.3 (N/A)	64.8	6.8	NA
AXTYFFO3KB	U7002	46.7 (N/A)	29.6 (N/A)	76.3	6.2	NA
K8YX3O9RDH	U7003	46.8 (N/A)	32.2 (N/A)	79.0	6	NA
4WC80VBULL	U7004	34.0 (N/A)	20.5 (N/A)	54.5	7.3	NA
UWBQMYD55X	U7005	34.1 (N/A)	35.1 (N/A)	69.2	6.5	NA
E80E1J7IDM	U7006	12.7 (N/A)	18.5 (N/A)	31.2	8.6	NA
BUHDKUJJ8F	U7007	30.5 (N/A)	44.4 (N/A)	74.9	6.2	NA
J09TMK1UB5	U701	30.0 (N/A)	45.0 (N/A)	75.0	6.2	NA
11YAZ0VI7D	U702	38.3 (N/A)	32.1 (N/A)	70.4	6.4	NA
3760UQWGGN	U703	34.7 (N/A)	21.9 (N/A)	56.6	7.2	NA
S39IP0TYTJ	U704	15.9 (N/A)	12.5 (N/A)	28.4	8.7	NA
A8VHIL4NQR	U705	22.4 (N/A)	30.3 (N/A)	52.7	7.4	NA
HTZQMM3J95	U706	10.5 (N/A)	39.1 (N/A)	49.6	7.6	NA
XUOYN71PU8	U707	21.2 (N/A)	44.5 (N/A)	65.7	6.7	NA
H7YYD4MYSJ	U801	30.1 (N/A)	45.3 (N/A)	75.4	6.2	NA
VJZYF8ES6D	U802	37.3 (N/A)	34.5 (N/A)	71.8	6.4	NA
6JZXVPU64K	U803	33.8 (N/A)	21.7 (N/A)	55.5	7.3	NA
TO3RKK5ANR	U804	16.2 (N/A)	9.5 (N/A)	25.7	8.9	NA
9F0ZJO50SO	U805	21.6 (N/A)	31.3 (N/A)	52.9	7.4	NA
3ITQC7IACX	U806	9.6 (N/A)	39.5 (N/A)	49.1	7.6	NA
KP3IZHQHN5	U807	21.2 (N/A)	44.2 (N/A)	65.4	6.7	NA



Summary of all dwellings

Certificate number and link	Unit number	Heating load (load limit) [MJ/m ² /p.a.]	Cooling load (load limit) [MJ/m ² /p.a.]	Total load [MJ/m ² /p.a.]	Star rating	Whole of Home Rating
DEFPE1T9OH	U901	11.2 (N/A)	46.0 (N/A)	57.2	7.2	NA
U3OPQK5MPN	U902	32.6 (N/A)	35.9 (N/A)	68.5	6.6	NA
B470GTLS9C	U903	32.0 (N/A)	23.1 (N/A)	55.1	7.3	NA
7XMXLZDEMK	U904	16.0 (N/A)	10.1 (N/A)	26.1	8.8	NA
NJW4DQBO1P	U905	19.1 (N/A)	32.1 (N/A)	51.2	7.4	NA
MD2A3IGOIU	U906	9.3 (N/A)	39.9 (N/A)	49.2	7.6	NA
ZBPM2HPUC3	U907	20.5 (N/A)	45.1 (N/A)	65.6	6.7	NA

Explanatory notes

About this report

The thermal performance star rating in this Certificate is the average rating of all NCC Class 2 dwellings in an apartment block. The Whole of Home performance rating in this Certificate is the lowest rating for the apartment block. Individual unit ratings are listed in the 'Summary of all dwellings' section of this Certificate. (accessible via link).

NatHERS ratings use computer modelling to evaluate a home's energy efficiency and performance. They use localised climate data and standard assumptions on how people use their home to predict the energy loads and energy value*. The thermal performance star rating uses the home's building specifications, layout, orientation and fabric (i.e. walls, windows, floors, roofs and ceilings) to predict the heating and cooling energy loads. The Whole of Home performance rating uses information about the home's appliances and onsite energy production and storage to estimate the home's energy value*.

For more details about an individual dwelling's assessment, refer to the individual dwelling's NatHERS Certificate (accessible via link)

Accredited Assessors

For high quality NatHERS Certificates, always use an accredited or licenced assessor registered with an Assessor Accrediting Organisation (AAO). AAOs have strict quality assurance processes, and professional development requirements ensuring consistently high standards for assessments.

Non-accredited assessors (Raters) have no ongoing training requirements and are not quality assured.

Licensed assessors in the Australian Capital Territory (ACT) can produce assessments for regulatory purposes only, using endorsed software, as listed on the ACT licensing register

Any queries about this report should be directed to the assessor. If the assessor is unable to address questions or concerns, contact the AAO specified on the front of this certificate.

Disclaimer

The NatHERS Certificate format is developed by the NatHERS Administrator. However, the content in certificates is entered by the assessor. It is the assessor's responsibility to use NatHERS accredited software correctly and follow the NatHERS Technical Note to produce a NatHERS Certificate.

The predicted annual energy use, cost and greenhouse gas emissions in this NatHERS Certificate are an estimate based on an assessment of the dwelling's design by the assessor. It is not a prediction of actual energy use, cost or emissions. The information and ratings may be used to compare how other dwellings are likely to perform when used in a similar way.

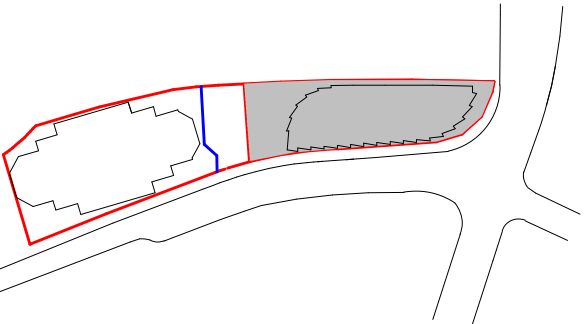
Information presented in this report relies on a range of standard assumptions (both embedded in NatHERS accredited software and made by the assessor who prepared this report), including assumptions about occupancy, behaviour, appliance performance, indoor air temperature and local climate.

Not all assumptions made by the assessor while using the NatHERS accredited software tool are presented in this report and further details or data files may be available from the assessor

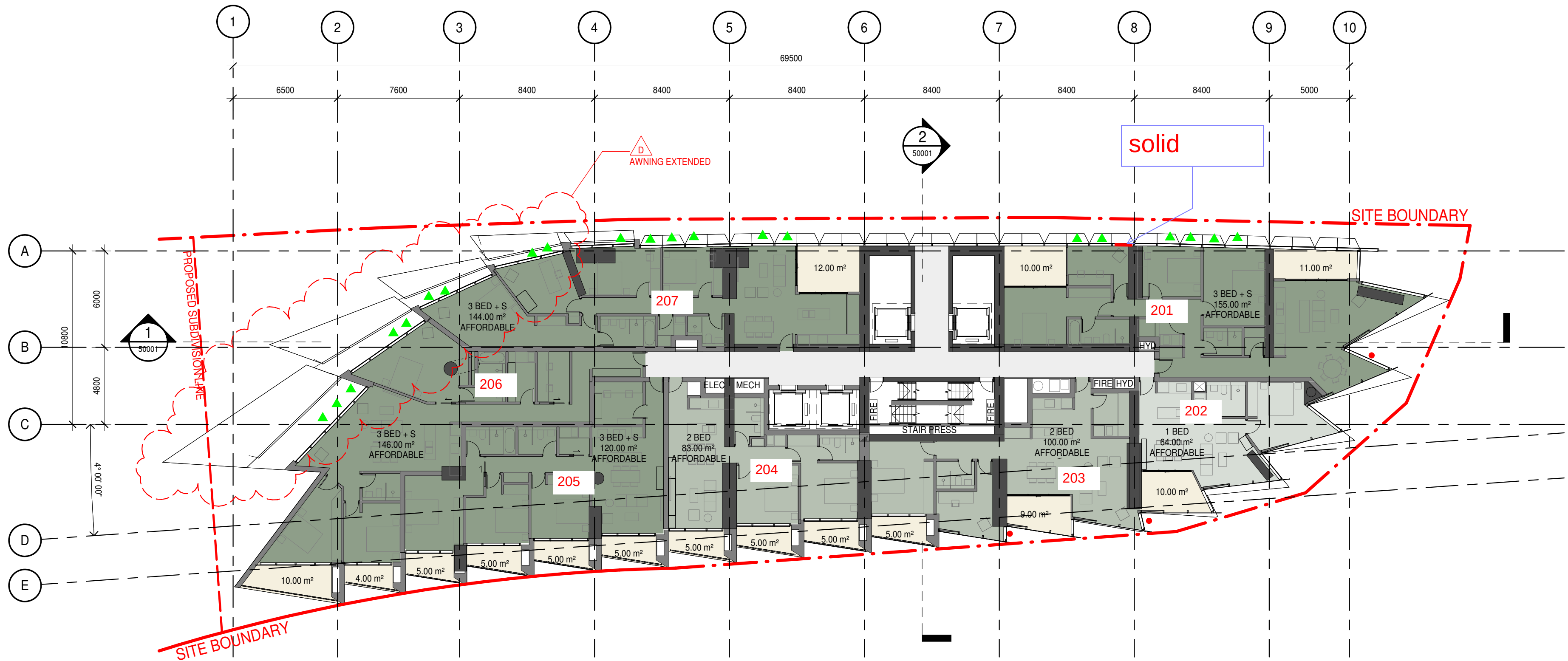
Appendix C Window Type & Unit Naming

Rev.	Date	Description	Iss.	Appr.
A	21.11.2025	For Coordination	FG	AP
B	02.12.2025	Final Draft - For Approval	VC	AP
C	12.12.2025	SSDA Submission	VC	AP
D	20.02.2026	SSDA Submission	FG	AP

Keyplan



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WINDOW TYPE MARKUP

- ▲ AWNING WINDOWS
- CASMENT DOOR/WINDOW



Project

BUCHAN

10 VALENTINE AVENUE
PARRAMATTA

Project Number

240008

Status

Date Plotted 20/02/2026 12:47:28 PM

Date Issued

Scale 1 : 200 @A1

0 2 4 8 12M

Drawing Title

LEVEL 2 PODIUM

Drawing Number

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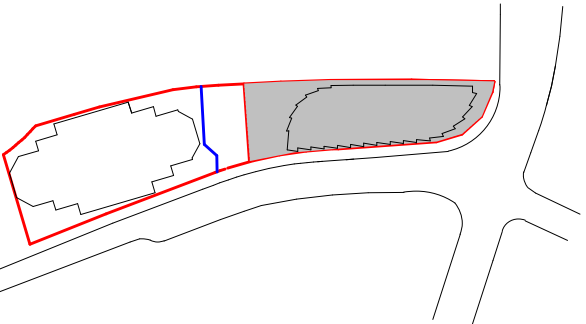
BUCHAN

FURTADO SULLIVAN

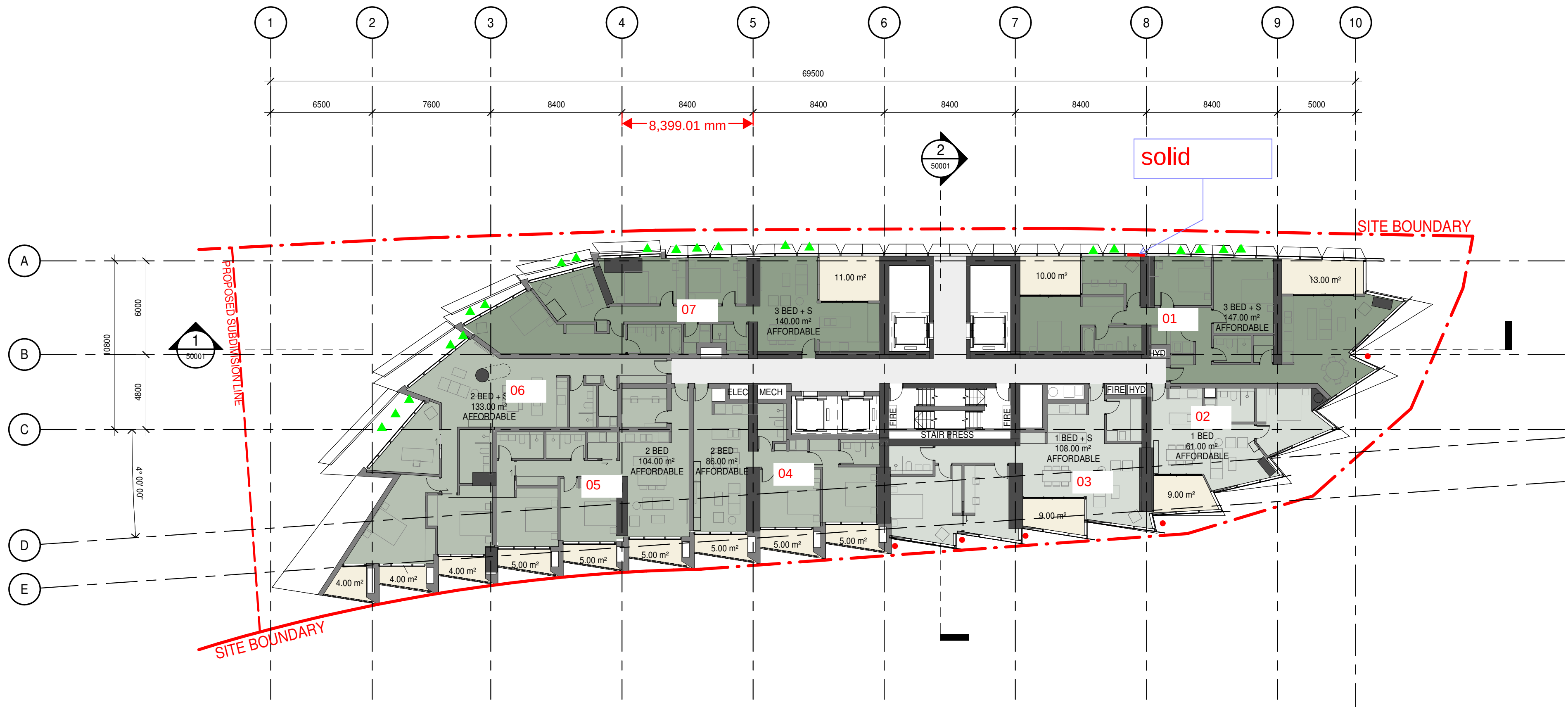
Sydney Studio
+ 61 2 9566 1611 / buchan.au

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WINDOW TYPE MARKUP

- ▲ AWNING WINDOWS
- CASMENT DOOR/WINDOW



Project

BUCHAN

10 VALENTINE AVENUE
PARRAMATTA

Project Number

240008

Status

Date Plotted 20/02/2026 12:47:33 PM

Date Issued

Scale 1 : 200 @A1

Drawing Title

LEVEL 3 PODIUM

Drawing Number

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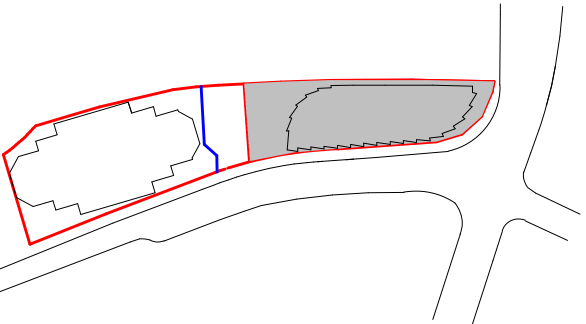
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FURTADO SULLIVAN

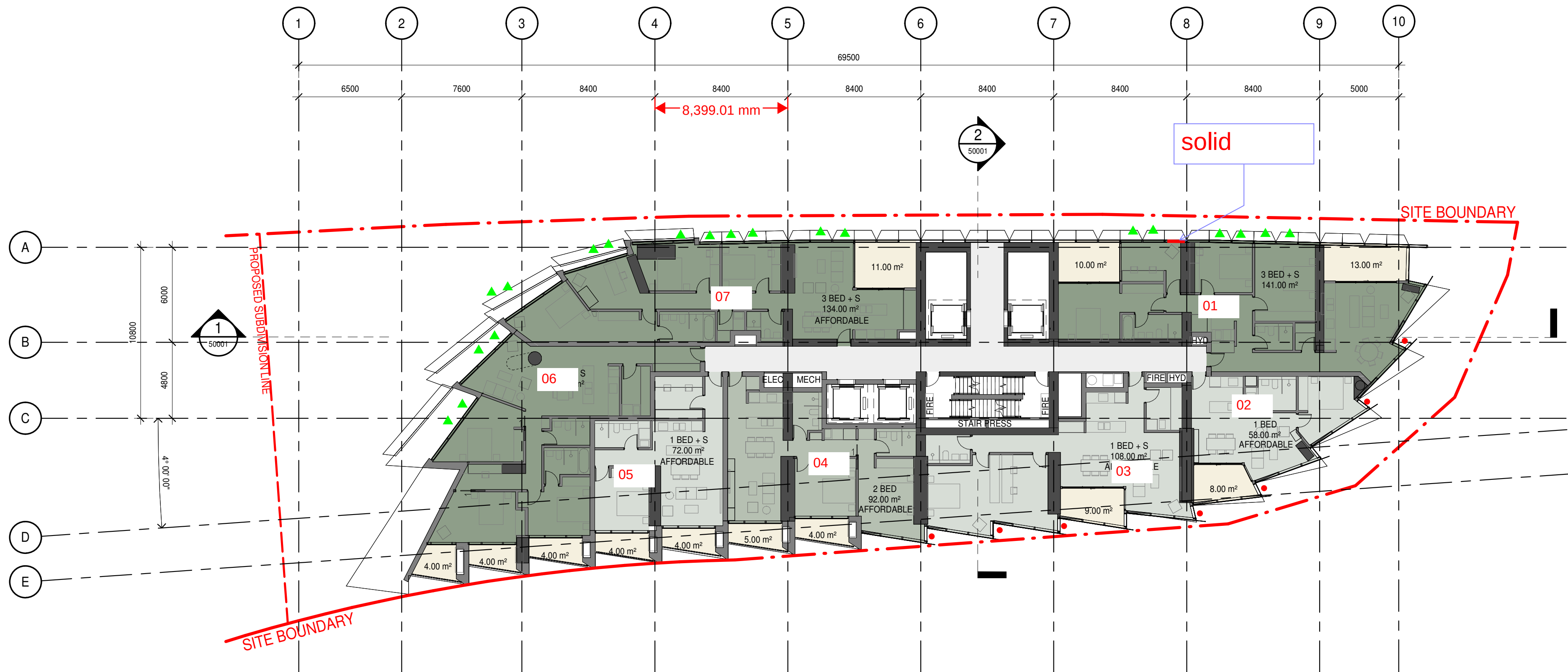
Sydney Studio
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D	20.02.2026	SSDA Submission	FG	AP

Keyplan



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WINDOW TYPE MARKUP

- ▲ AWNING WINDOWS
- CASMENT DOOR/WINDOW



Project

BUCHAN

10 VALENTINE AVENUE
PARRAMATTA

Project Number

240008

Status

Date Plotted 20/02/2026 12:47:37 PM

Date Issued

Scale 1 : 200 @A1

0 2 4 8 12M

Drawing Title

LEVEL 4 PODIUM

Drawing Number

VAL-BUC-AZ-DR-A-DA-20009 D

Revision

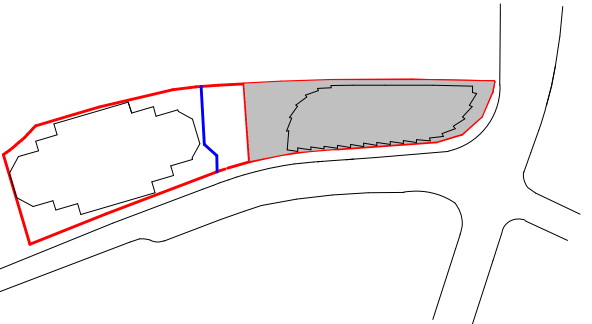
BUCHAN

FURTADO SULLIVAN

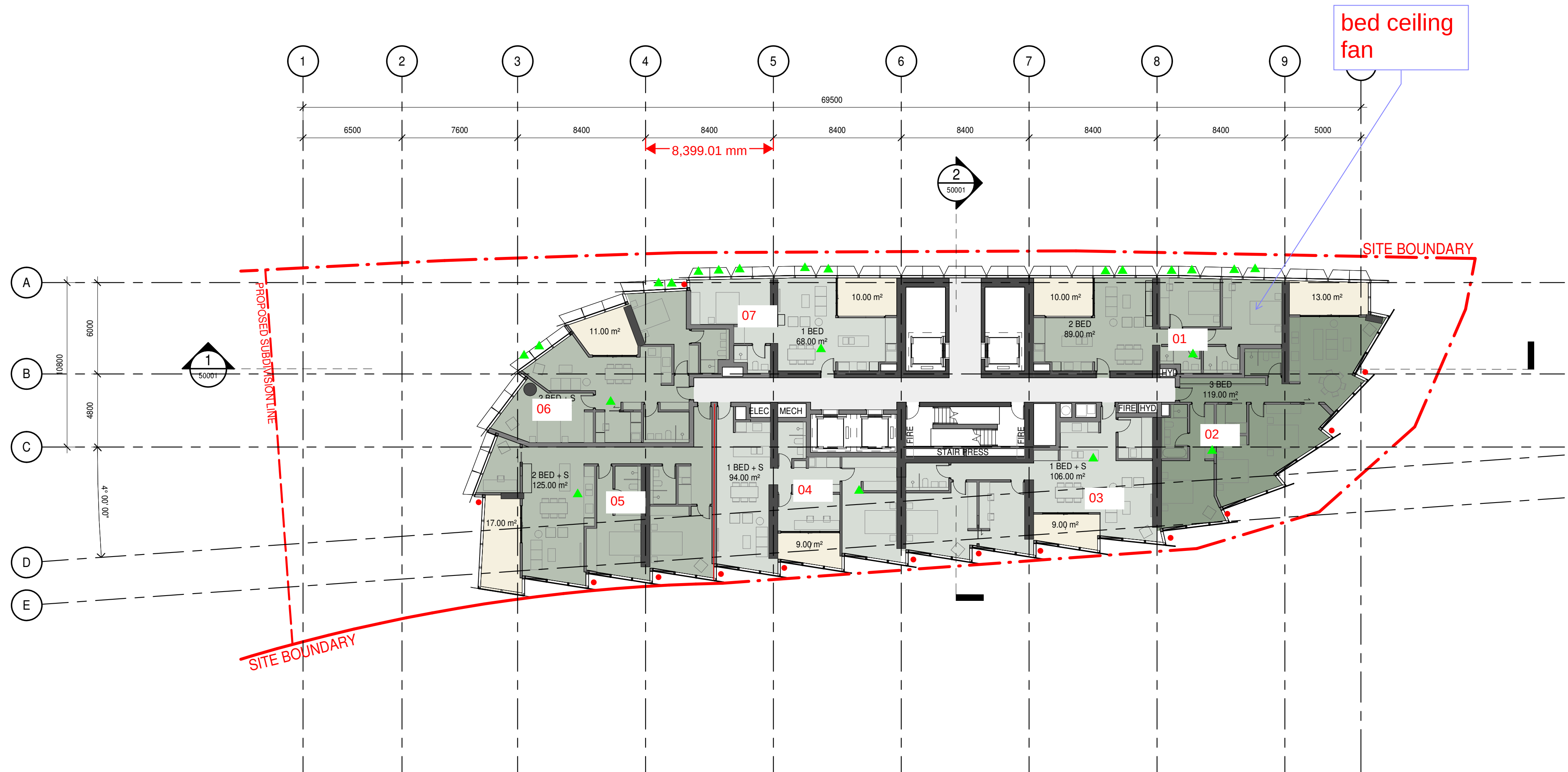
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WINDOW TYPE MARKUP

- ▲ AWNING WINDOWS
- CASMENT DOOR/WINDOW



Project

BUCHAN

10 VALENTINE AVENUE
PARRAMATTA

Project Number

240008

Status

Date Plotted 15/12/2025 5:40:24 PM

Date Issued

Scale 1 : 200 @A1

0 2 4 8 12M

Drawing Title

LEVEL 9-18 (TYPICAL TYPE B)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20012 C

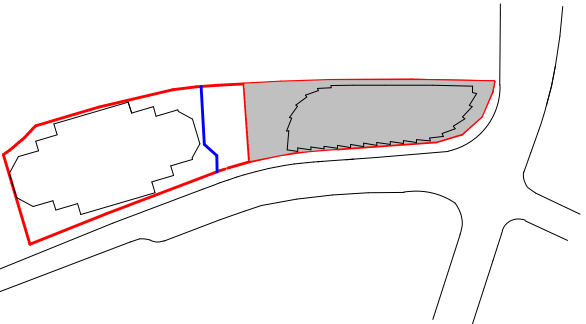
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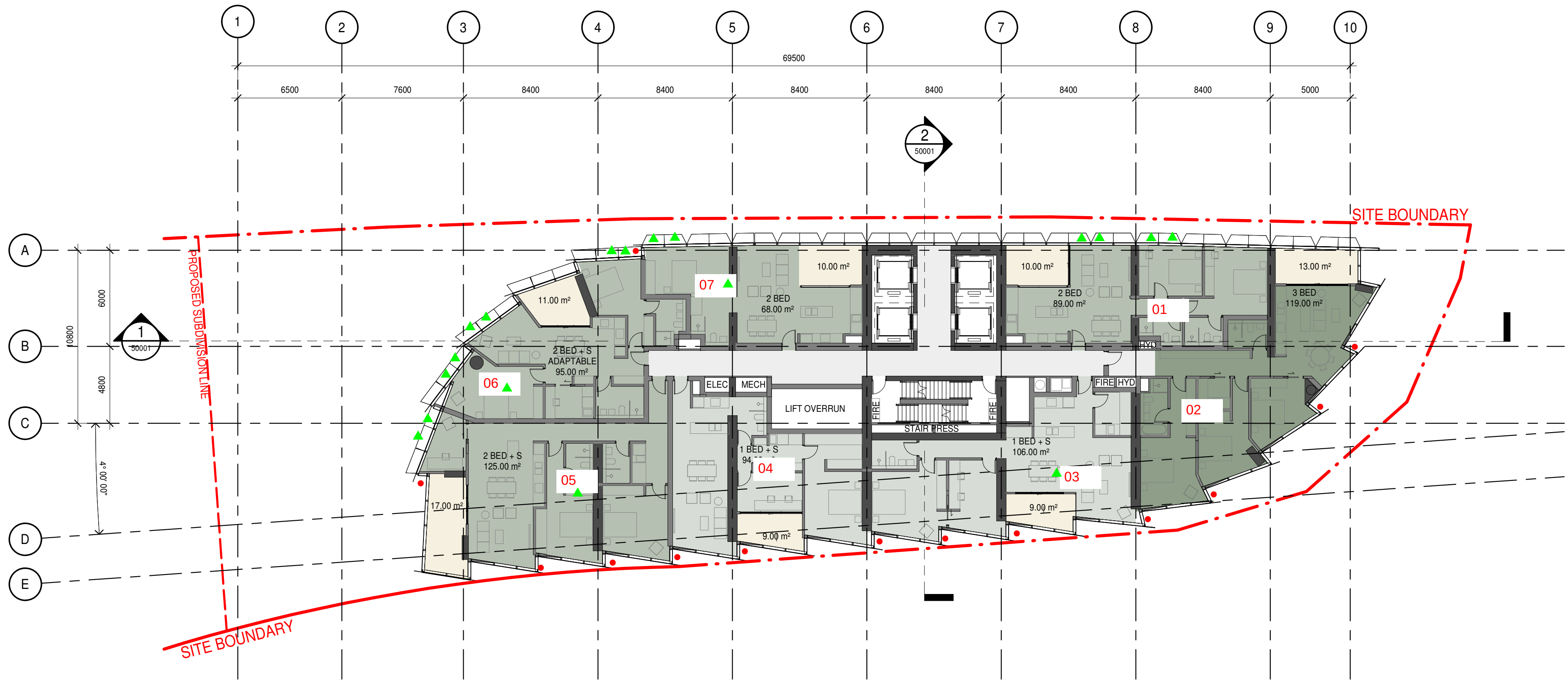
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WINDOW TYPE MARKUP

- AWNING WINDOWS
- CASMENT DOOR/WINDOW



Project

BUCHAN

10 VALENTINE AVENUE
PARRAMATTA

Project Number

240008

Status

Date Plotted: 20/02/2026 12:47:47 PM

Date Issued

Scale: 1 : 200 @A1

Drawing Title

LEVEL 19 FLOOR PLAN

Drawing Number

VAL-BUC-AZ-DR-A-DA-20013 D

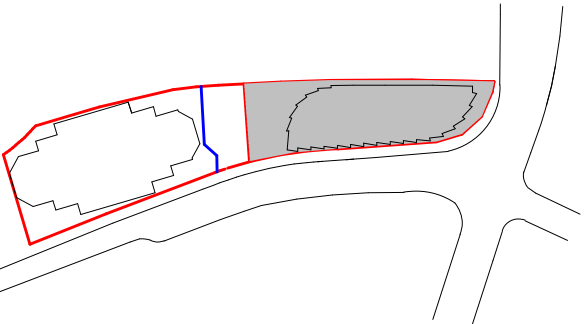
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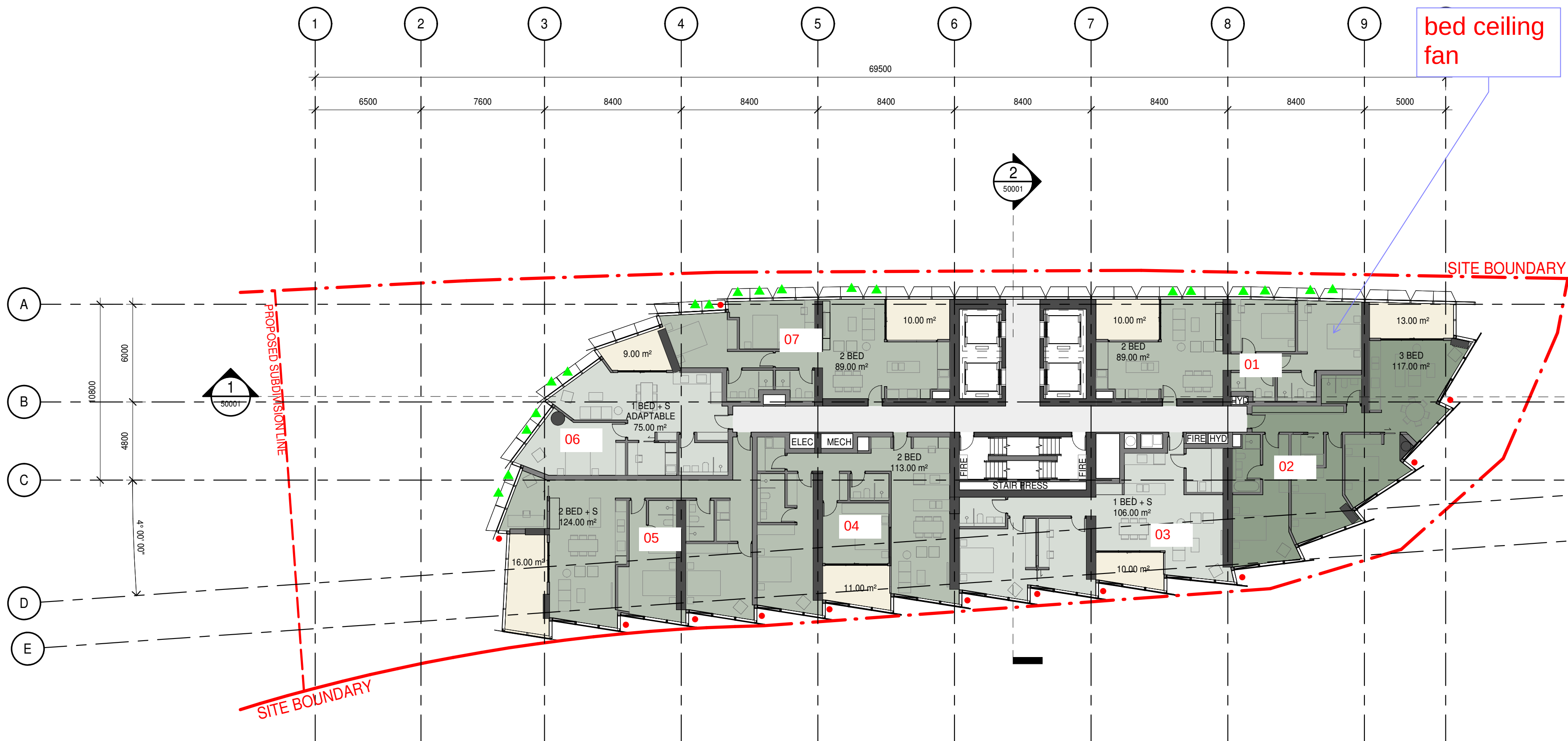
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WINDOW TYPE MARKUP

- ▲ AWNING WINDOWS
- CASMENT DOOR/WINDOW



Project

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10 VALENTINE AVENUE
PARRAMATTA

Project Number

240008

Status

Date Plotted 20/02/2026 2:33:56 PM

Date Issued

Scale 1 : 200 @A1

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Drawing Title

LEVEL 20-25, 27-48, 50-70
(TYPICAL TYPE C)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20014 C

Revision

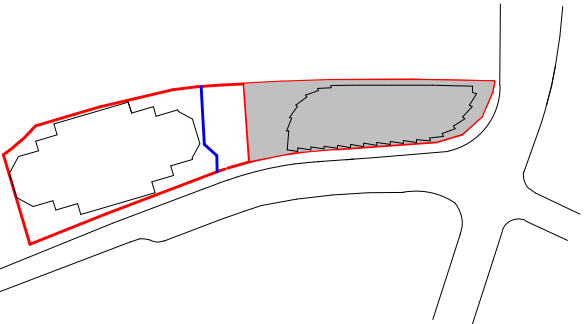
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WINDOW TYPE MARKUP

- ▲ AWNING WINDOWS
- CASMENT DOOR/WINDOW



Project

BUCHAN

10 VALENTINE AVENUE
PARRAMATTA

Project Number

240008

Status

Date Plotted 15/12/2025 5:37:33 PM

Date Issued

Scale 1 : 200 @ A1

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Drawing Title

LEVEL 26, 49 (RESIDENTIAL & PLANT)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20015

Revision

C

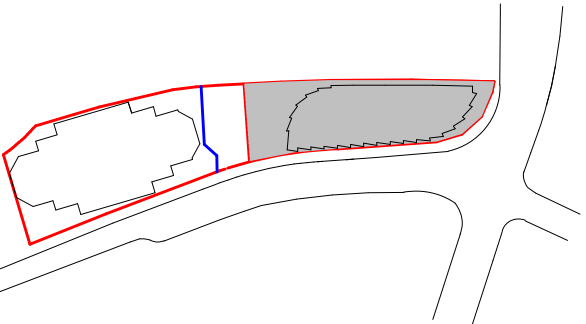
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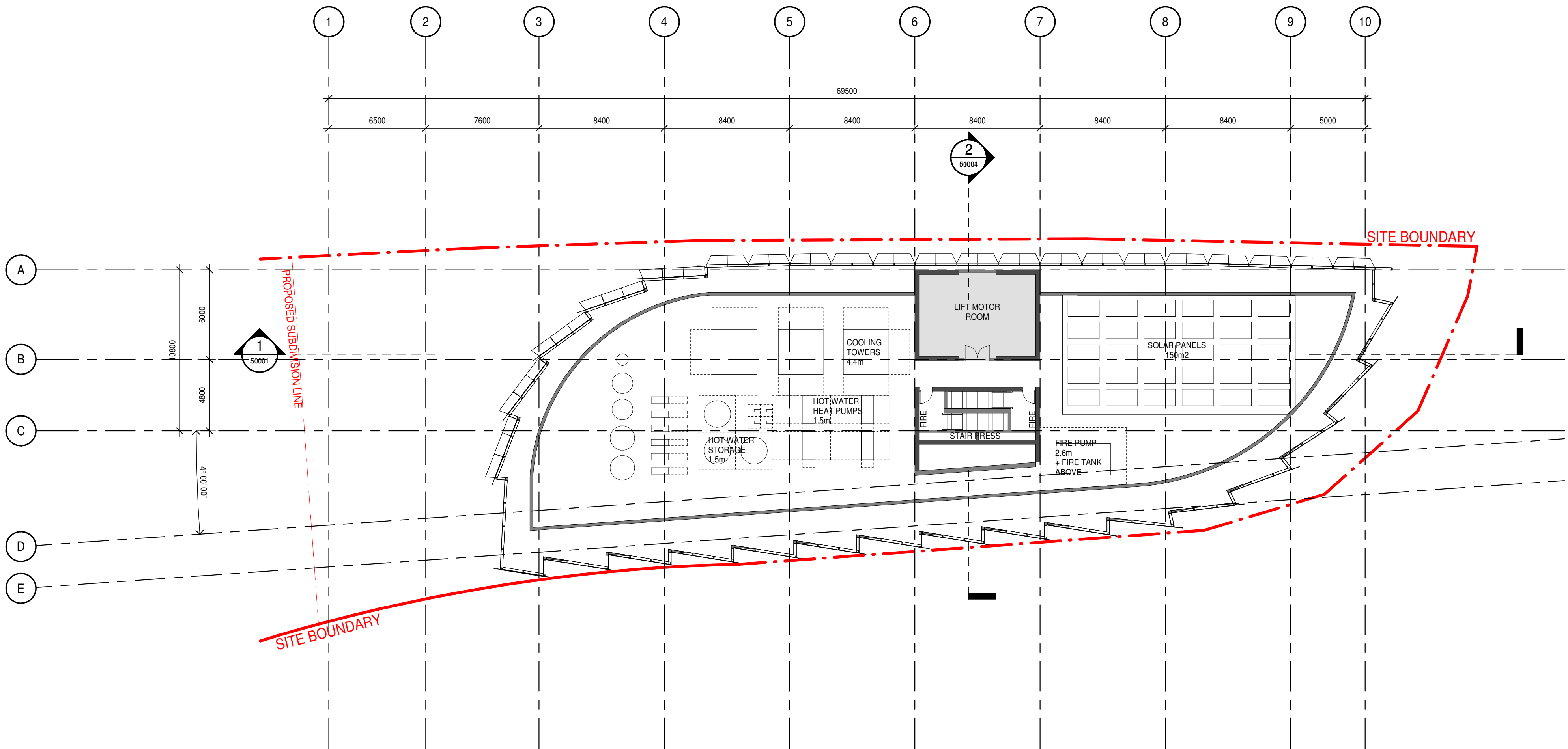
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WINDOW TYPE MARKUP



AWNING WINDOWS



CASMENT
DOOR/WINDOW



Project

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10 VALENTINE AVENUE
PARRAMATTA

Project Number

240008

Status

Date Plotted 20/02/2026 2:34:01 PM

Date Issued

Scale 1 : 200 @A1

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Drawing Title

LEVEL 71 ROOF DECK

Drawing Number

VAL-BUC-AZ-DR-A-DA-20016 C

Revision

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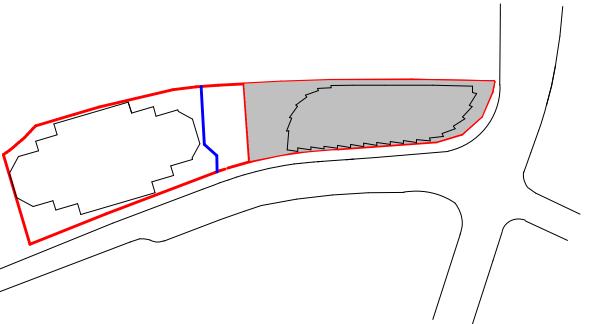


Appendix D Insulation Markup

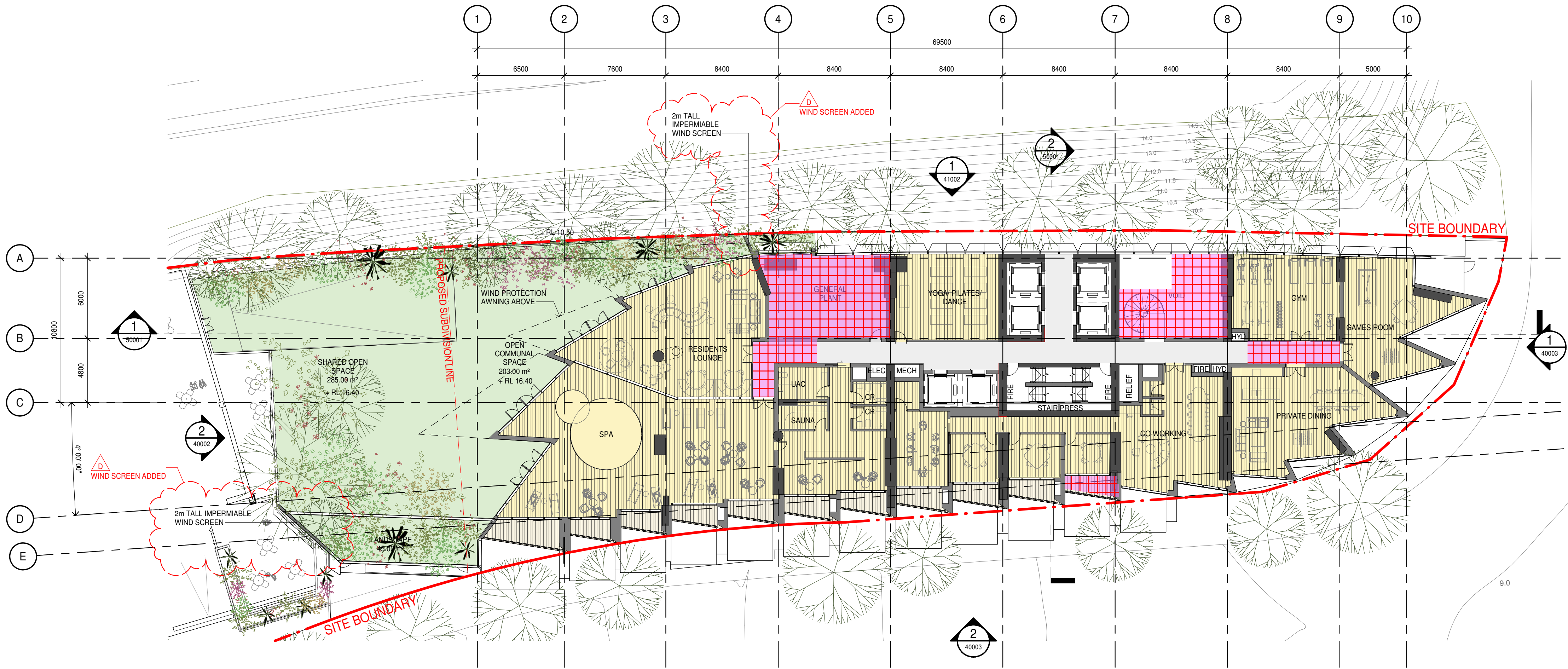
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Keyplan

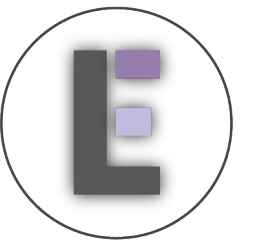


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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10 VALENTINE AVENUE
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Date Issued

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Drawing Title

LEVEL 1 PODIUM

Drawing Number
VAL-BUC-AZ-DR-A-DA-20006

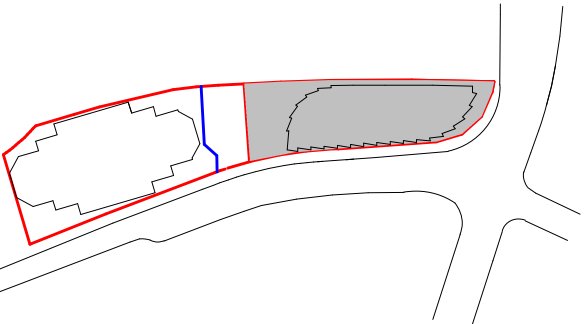
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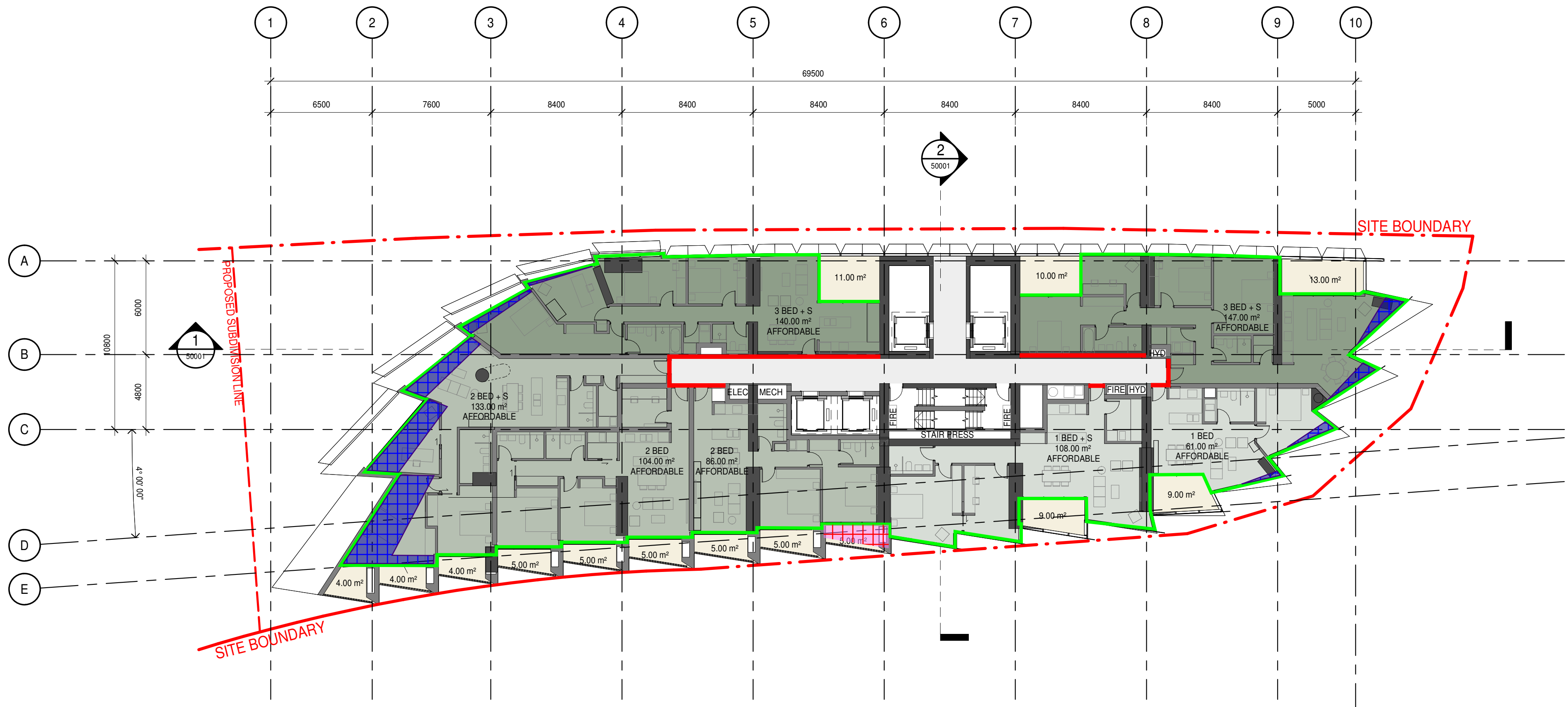
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Keyplan

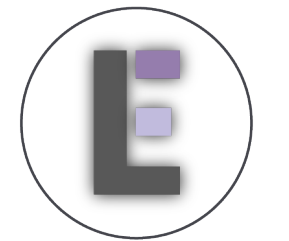


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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10 VALENTINE AVENUE
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Drawing Title

LEVEL 3 PODIUM

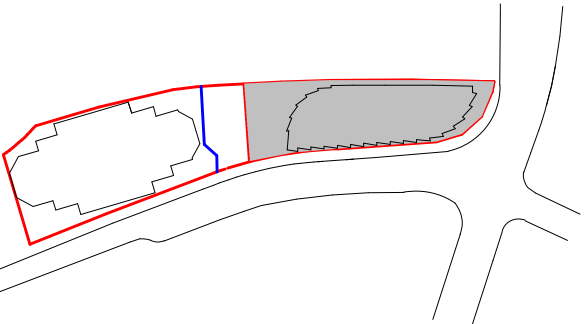
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BUCHAN
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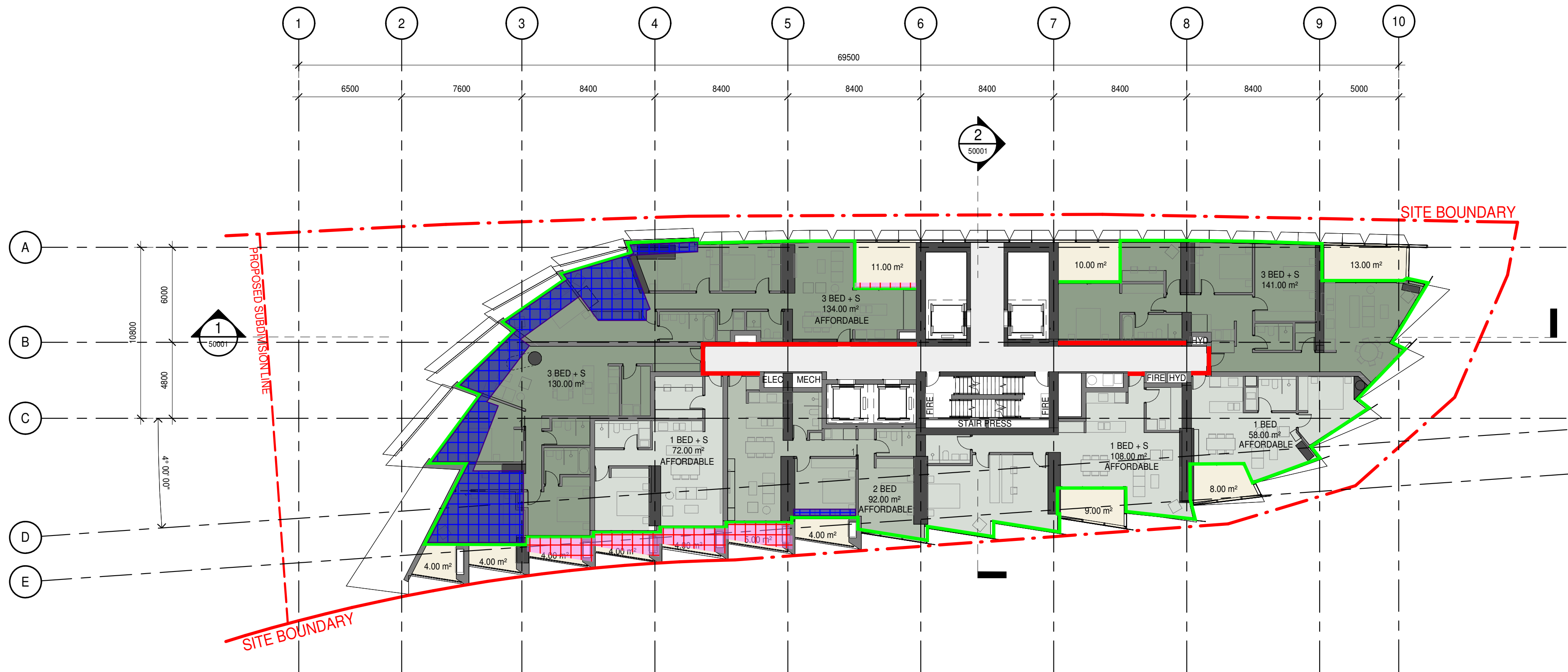
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Keyplan



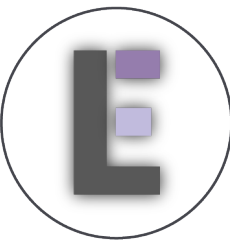
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Insulation Mark-ups

LEGEND

- Total R2.5 (Solid external walls)
- Total R1.5 (Internal walls to unconditioned spaces)
- Total R2.5 (installed in underside of slab or above)
- Total R4.0 (installed in ceiling - open to air)



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10 VALENTINE AVENUE
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Drawing Title

LEVEL 4 PODIUM

Drawing Number

VAL-BUC-AZ-DR-A-DA-20009 D

Revision

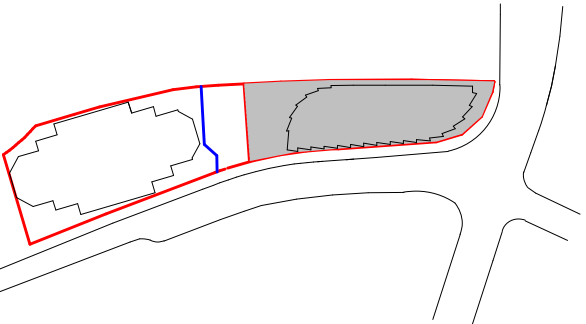
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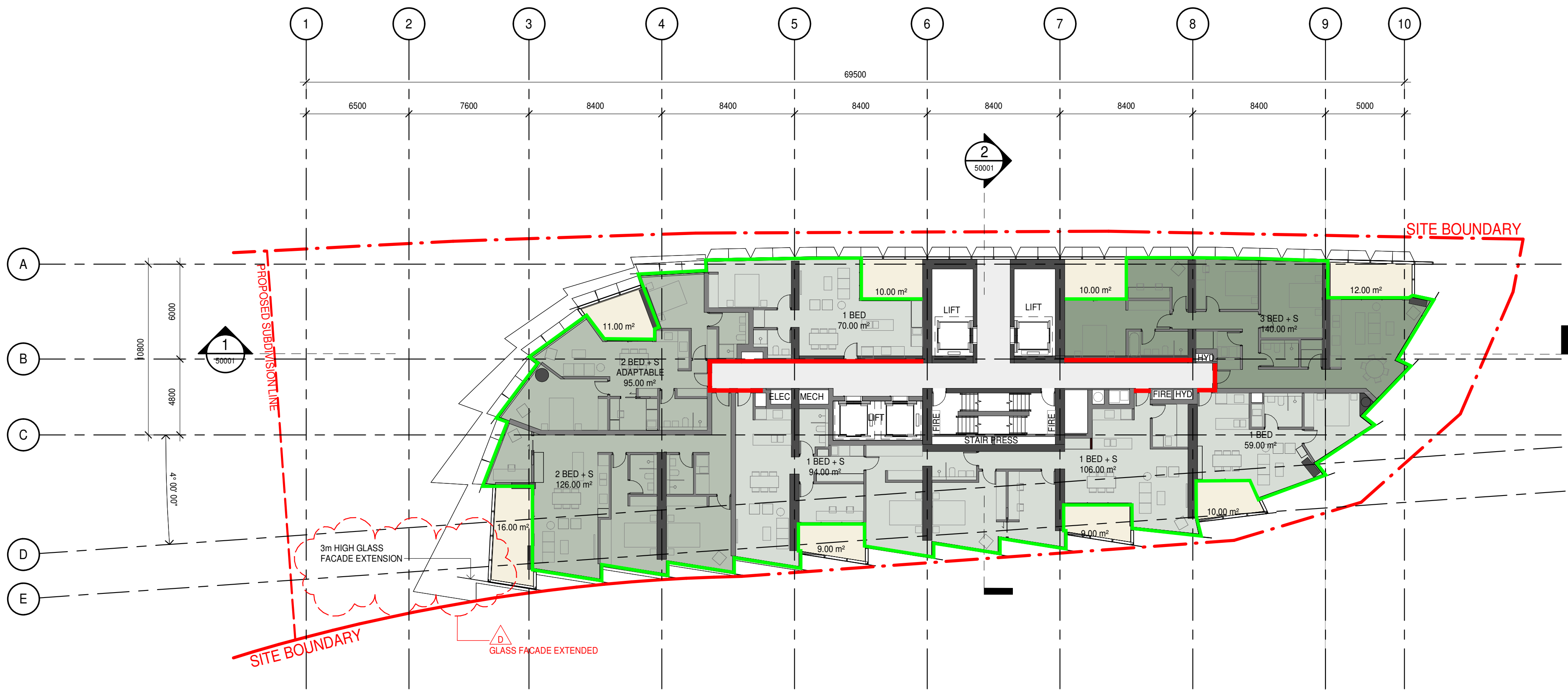
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Keyplan



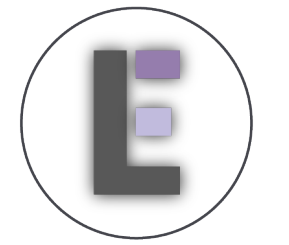
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Insulation Mark-ups

LEGEND

- Total R2.5 (Solid external walls)
- Total R1.5 (Internal walls to unconditioned spaces)
- Total R2.5 (installed in underside of slab or above)
- Total R4.0 (installed in ceiling - open to air)



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BUCHAN

10 VALENTINE AVENUE
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Drawing Title

LEVEL 5 PODIUM

Drawing Number

VAL-BUC-AZ-DR-A-DA-20010 D

Revision

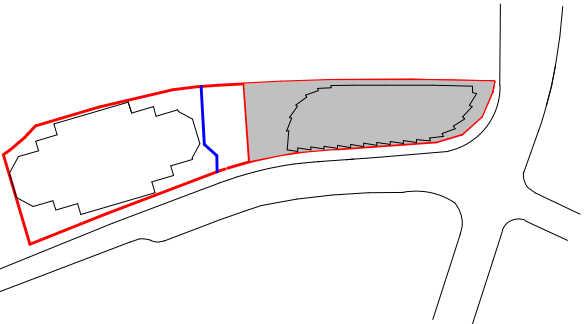
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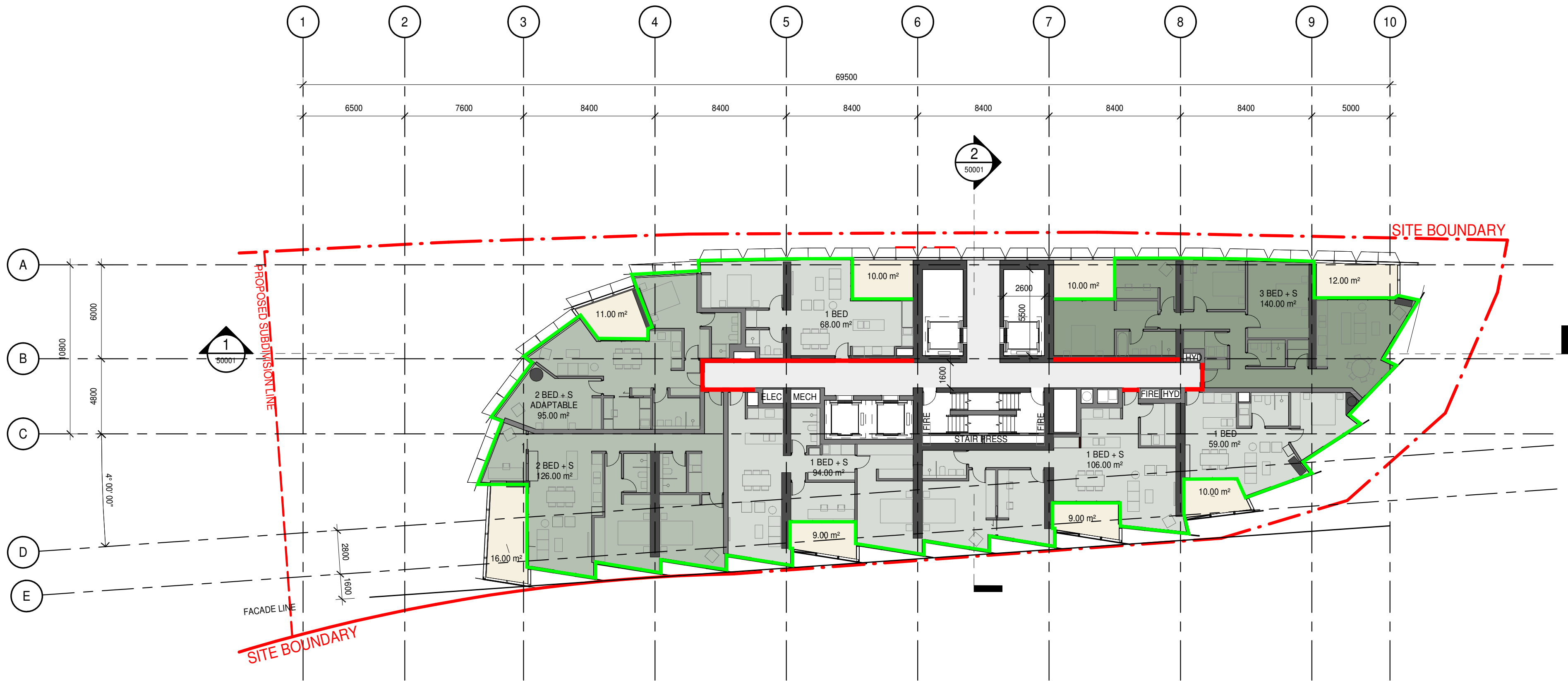
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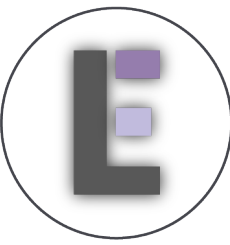
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Insulation Mark-ups

LEGEND

- Total R2.5 (Solid external walls)
- Total R1.5 (Internal walls to unconditioned spaces)
- Total R2.5 (installed in underside of slab or above)
- Total R4.0 (installed in ceiling - open to air)



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BUCHAN

10 VALENTINE AVENUE
PARRAMATTA

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240008

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Date Issued

Scale 1 : 200 @A1

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Drawing Title

LEVEL 7 FLOOR PLAN
(TYPICAL TYPE A)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20011 C

Revision

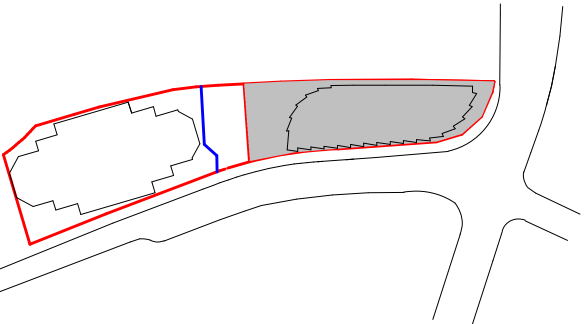
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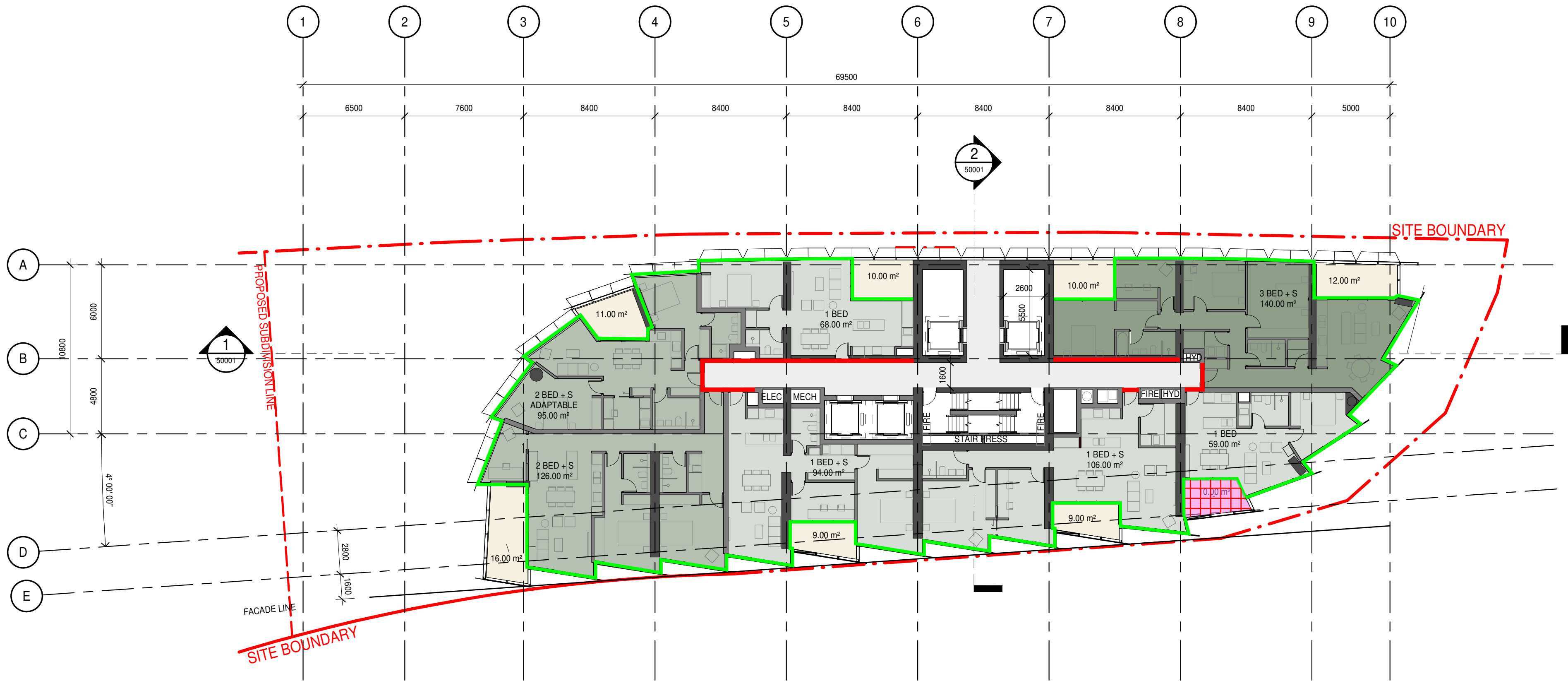
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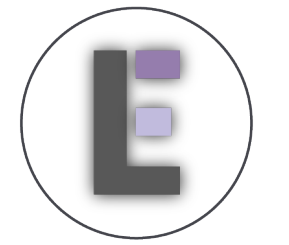


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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Date Issued

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Drawing Title

LEVEL 8 FLOOR PLAN
(TYPICAL TYPE A)

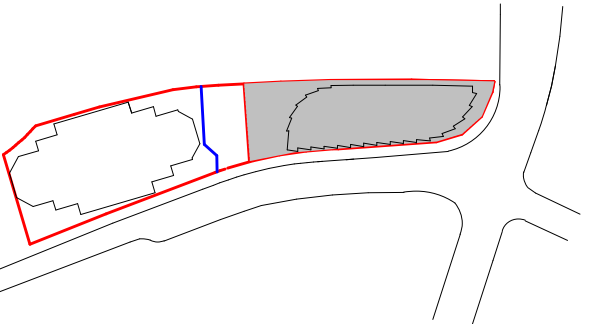
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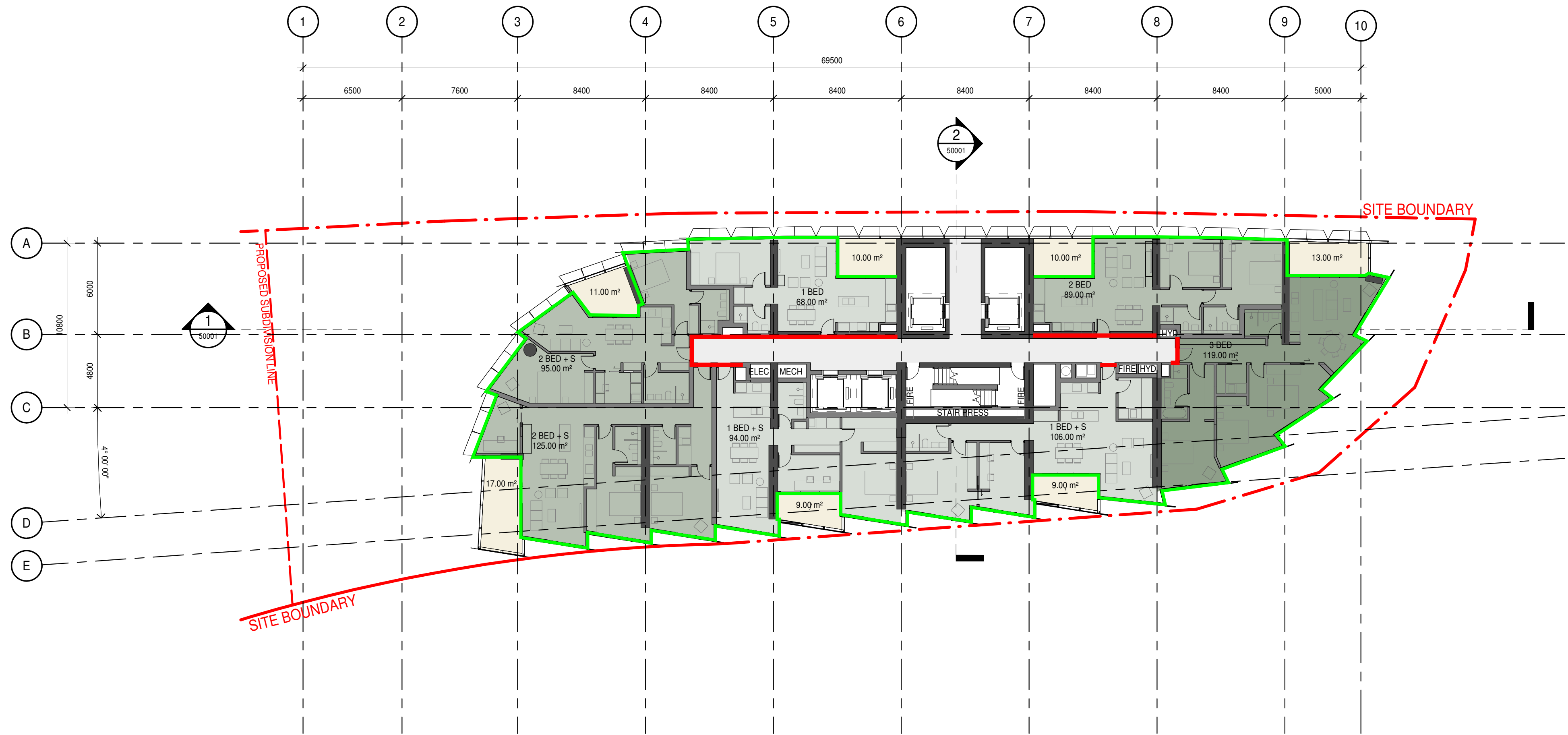
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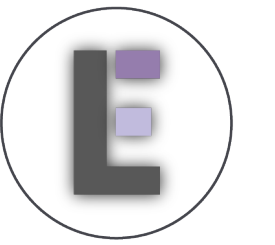


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Insulation Mark-ups

- LEGEND
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 - Total R2.5 (installed in underside of slab or above)
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Date Issued

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Drawing Title

LEVEL 9 (TYPICAL TYPE B)

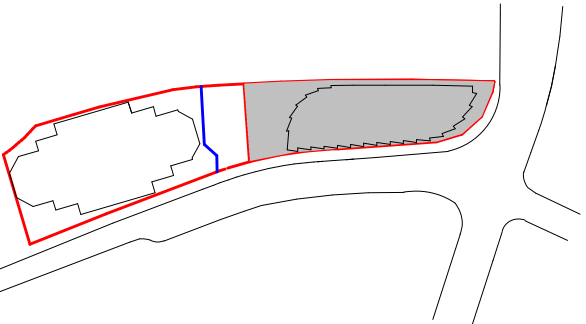
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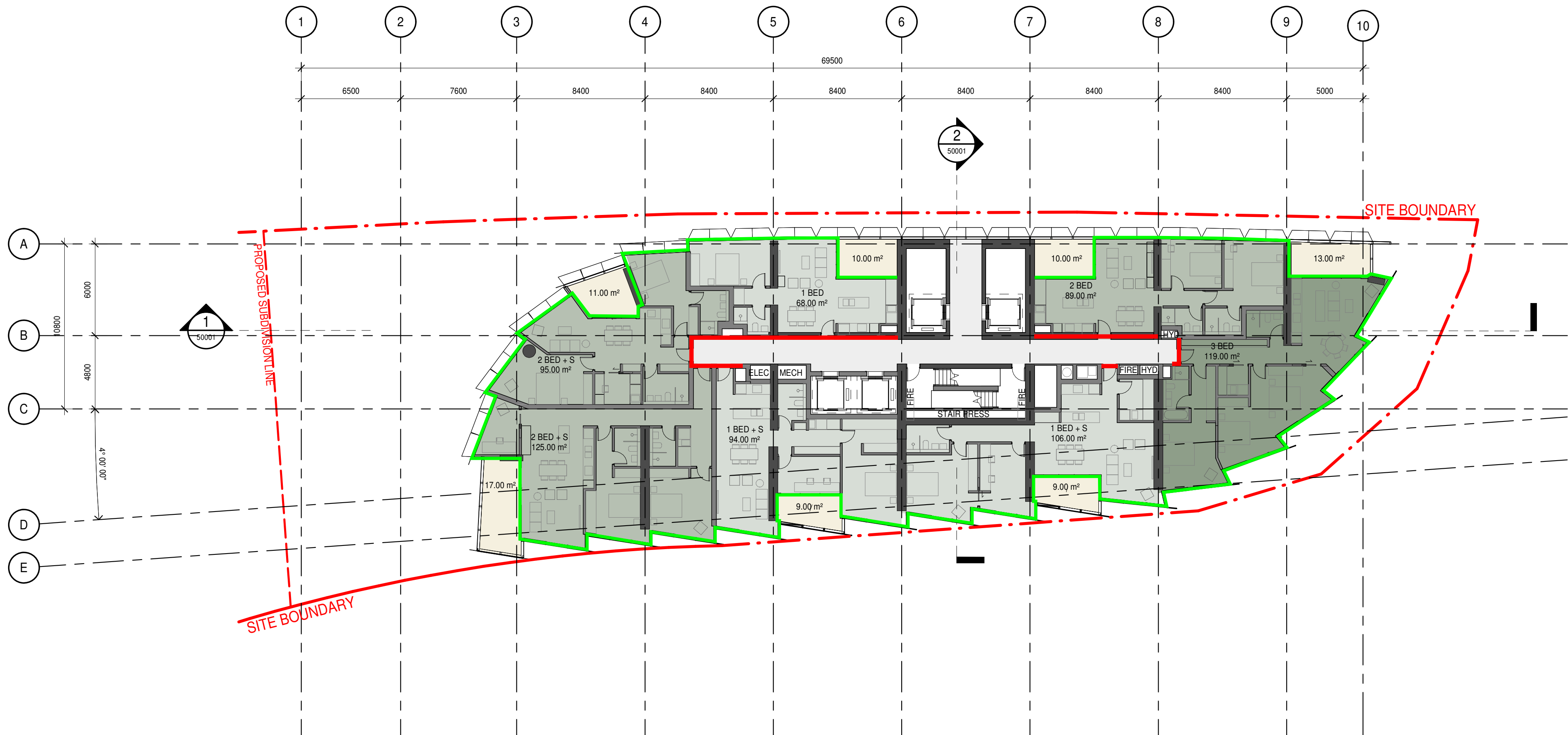
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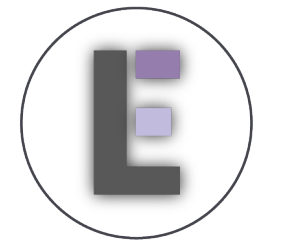


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Insulation Mark-ups

- LEGEND
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Drawing Title

LEVEL10-17(TYPICAL TYPE B)

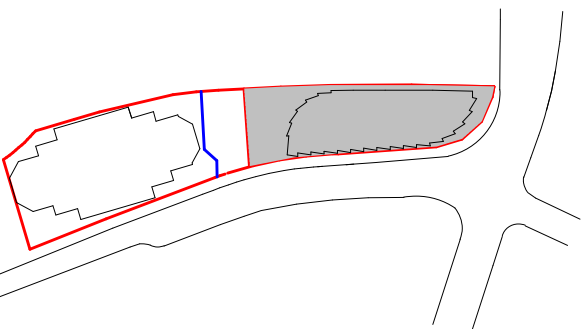
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FURTADO SULLIVAN

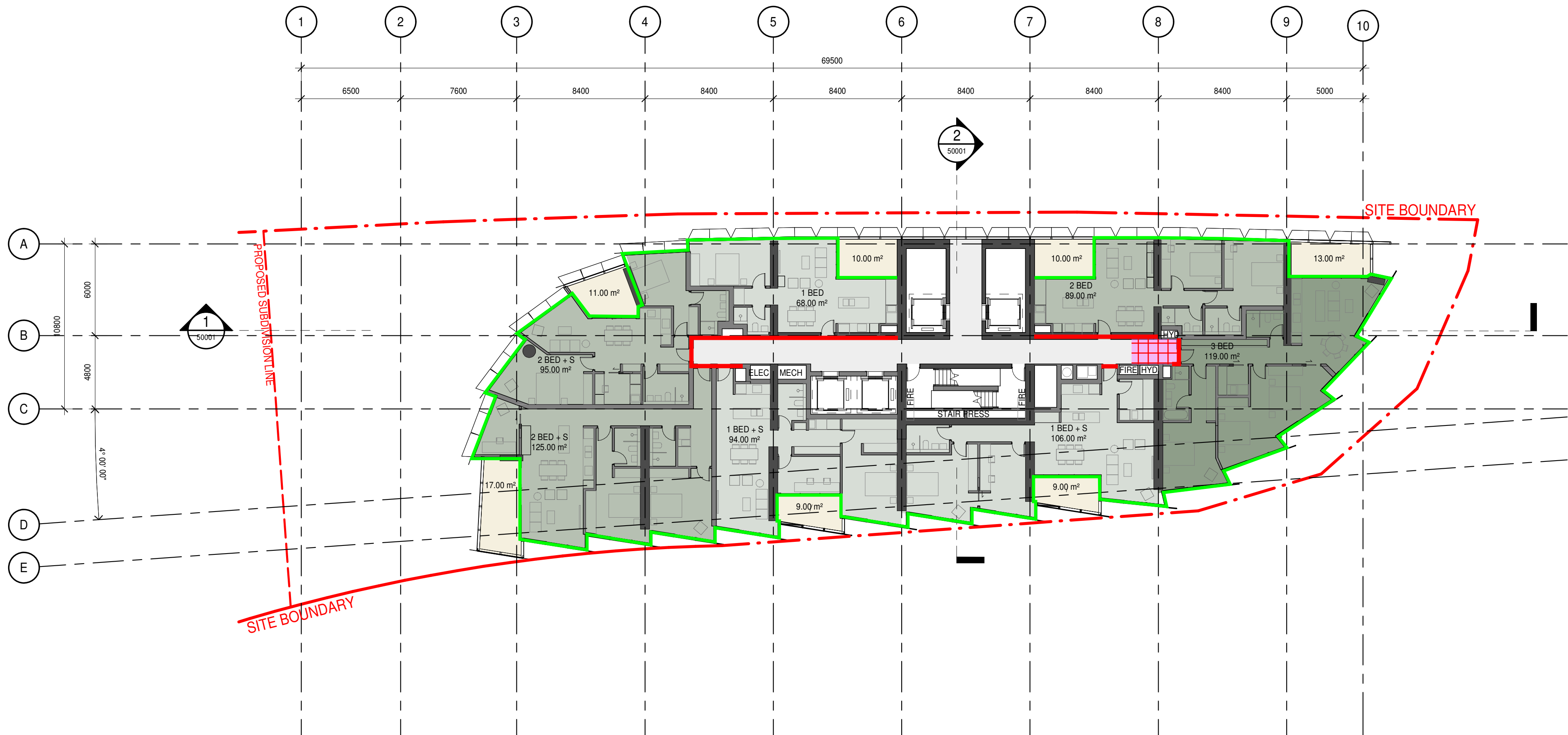
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Keyplan

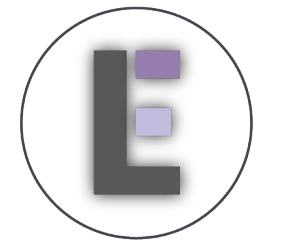


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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Valentine Ave,
Parramatta

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10 VALENTINE AVENUE
PARRAMATTA

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240008

Status

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Date Issued

Scale 1 : 200 @A1

0 2 4 8 12M

Drawing Title

LEVEL 18 (TYPICAL TYPE B)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20012 C

Revision

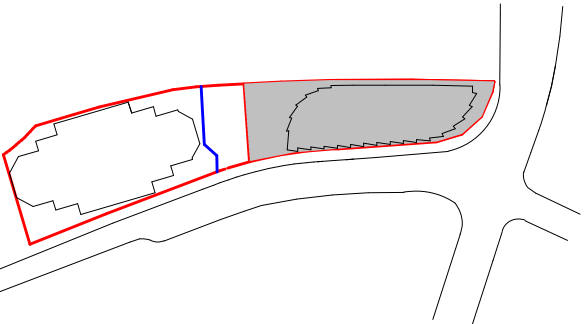
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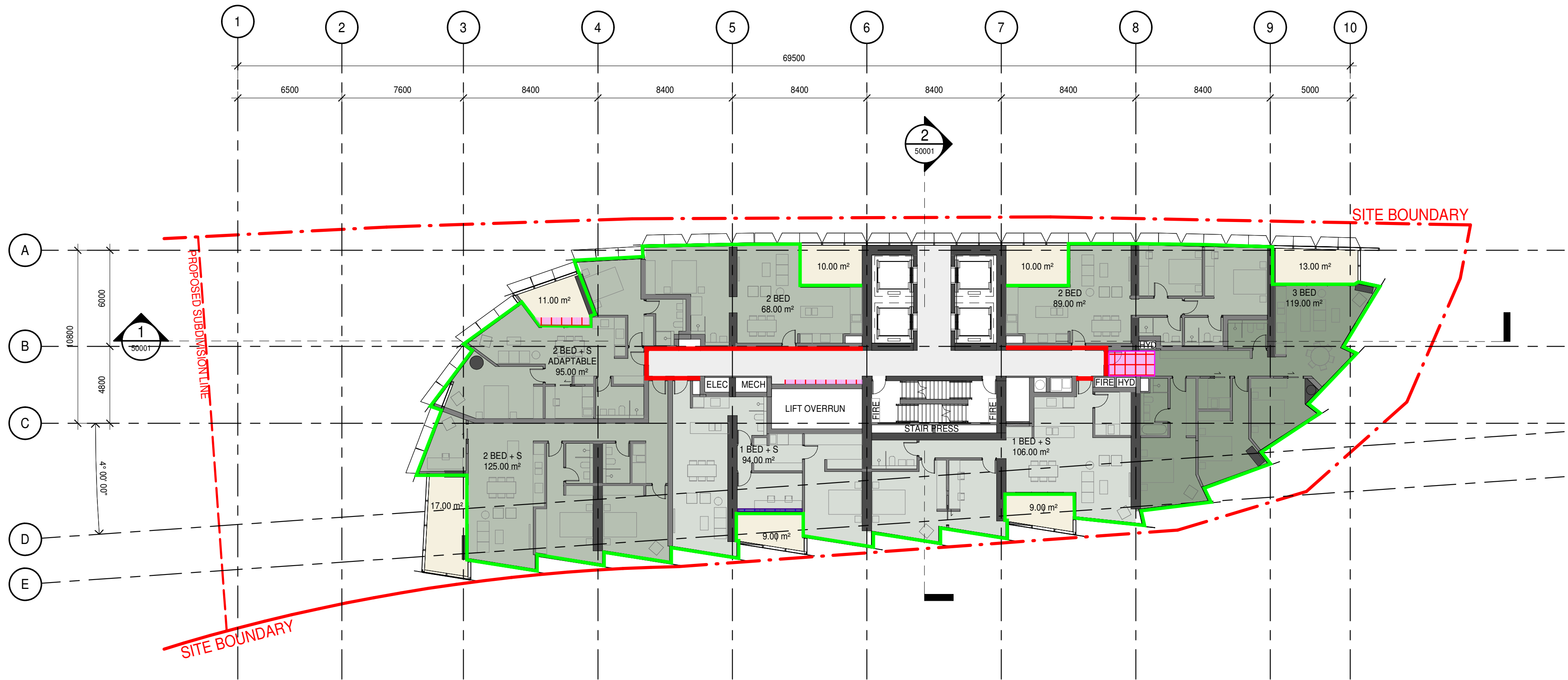
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A	21.11.2025	For Coordination	FG	AP
B	02.12.2025	Final Draft - For Approval	VC	AP
C	12.12.2025	SSDA Submission	VC	AP
D	20.02.2026	SSDA Submission	FG	AP

Keyplan



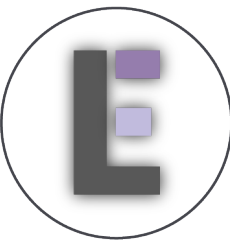
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Insulation Mark-ups

LEGEND

- Total R2.5 (Solid external walls)
- Total R1.5 (Internal walls to unconditioned spaces)
- Total R2.5 (installed in underside of slab or above)
- Total R4.0 (installed in ceiling - open to air)



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10 VALENTINE AVENUE
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240008

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Date Plotted 20/02/2026 12:47:47 PM

Date Issued

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Drawing Title

LEVEL 19 FLOOR PLAN

Drawing Number

VAL-BUC-AZ-DR-A-DA-20013 D

Revision

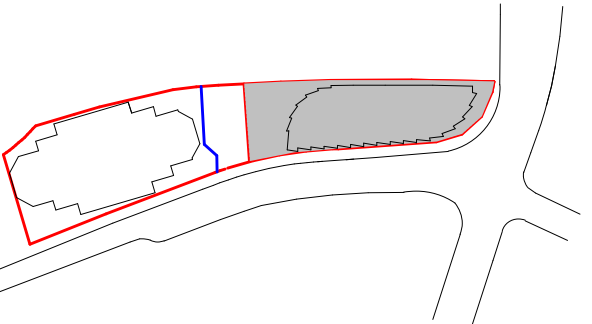
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C	12.12.2025	SSDA Submission	VC	AP

Keyplan



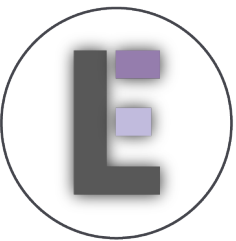
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Insulation Mark-ups

LEGEND

- Total R2.5 (Solid external walls)
- Total R1.5 (Internal walls to unconditioned spaces)
- Total R2.5 (installed in underside of slab or above)
- Total R4.0 (installed in ceiling - open to air)



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Date Issued

Scale 1 : 200 @A1

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Drawing Title

LEVEL 20
(TYPICAL TYPE C)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20014 C

Revision

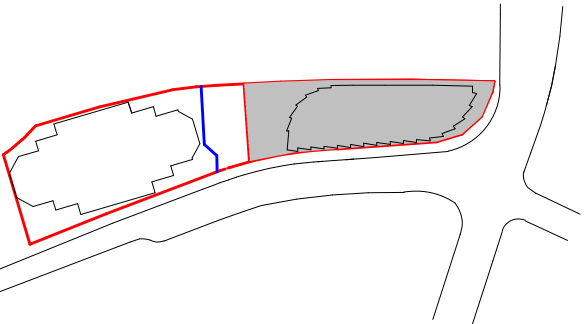
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C	12.12.2025	SSDA Submission	VC	AP

Keyplan

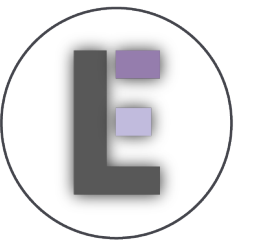


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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Date Issued

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Drawing Title

LEVEL 21-24
(TYPICAL TYPE C)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20014 C

Revision

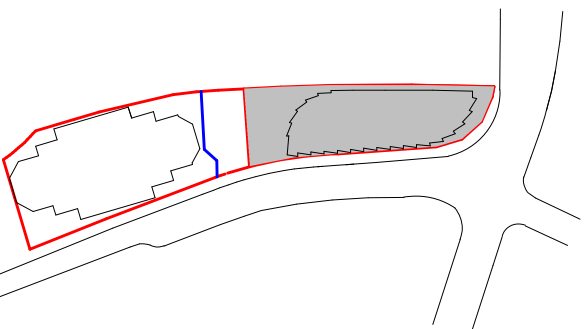
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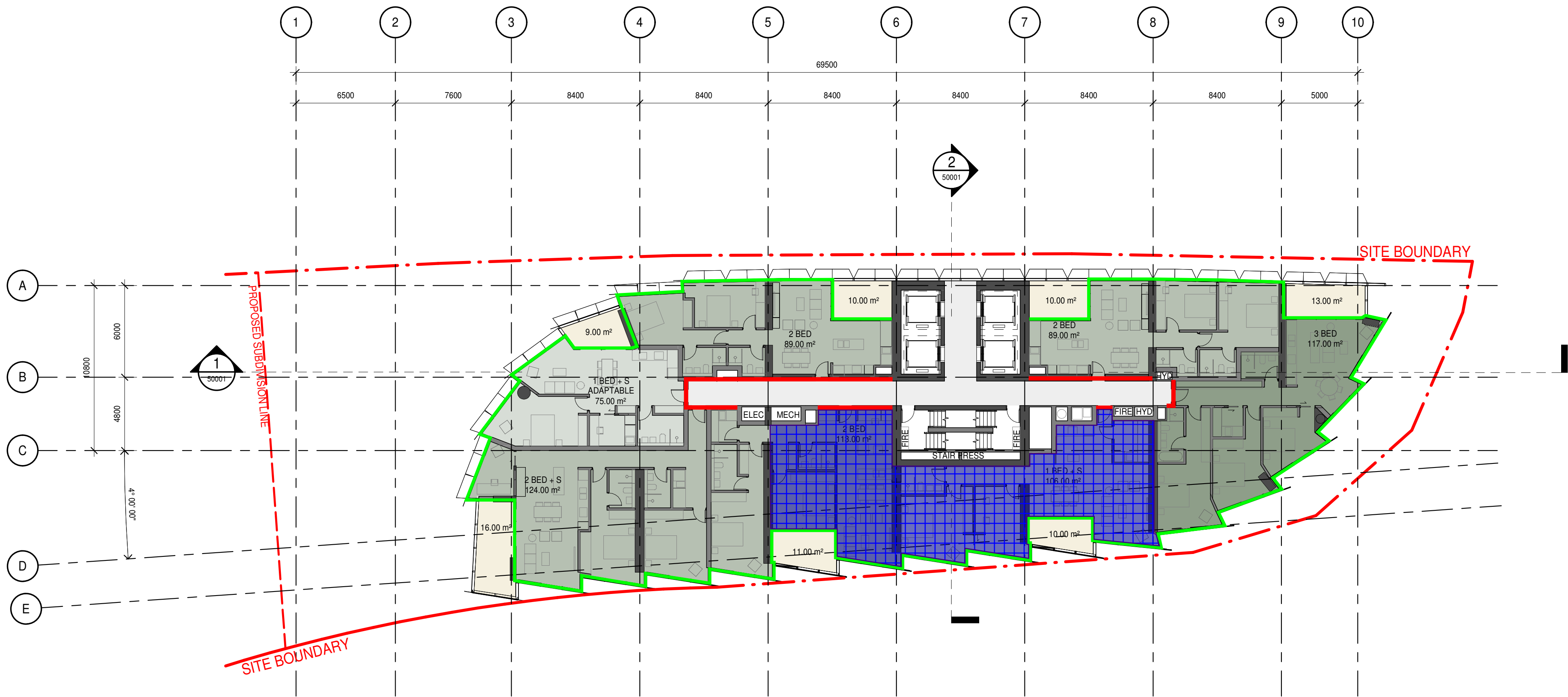
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Keyplan

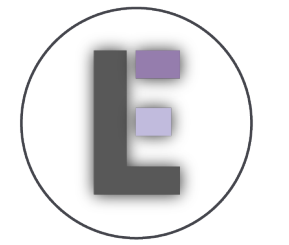


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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10 VALENTINE AVENUE
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Drawing Title

LEVEL 25
(TYPICAL TYPE C)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20014 C

Revision

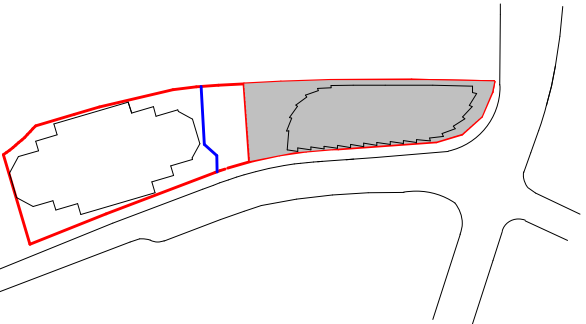
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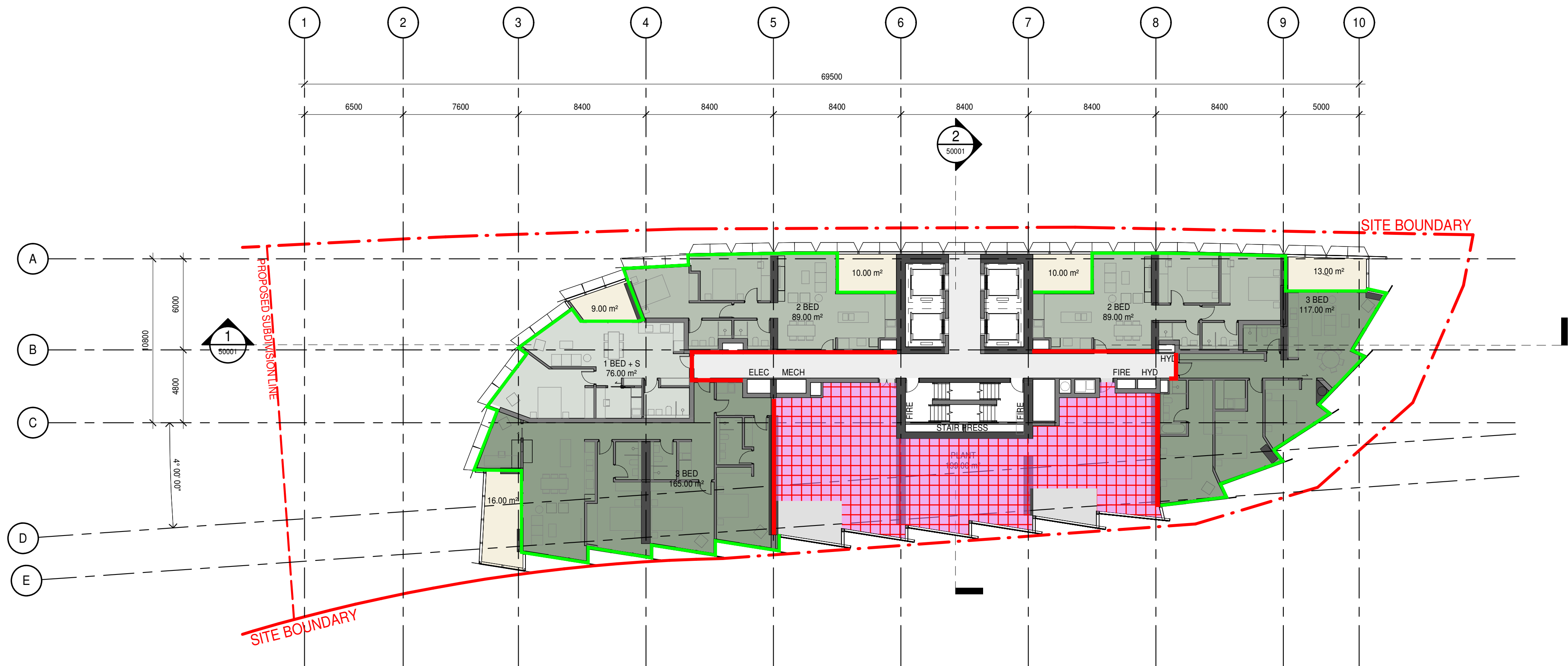
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Keyplan

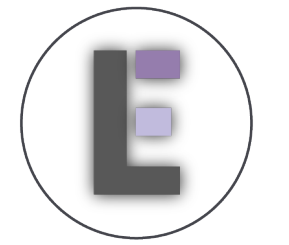


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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Date Issued

Scale 1 : 200 @A1

0 2 4 8 12M

Drawing Title

LEVEL 26 (RESIDENTIAL & PLANT)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20015 C

Revision

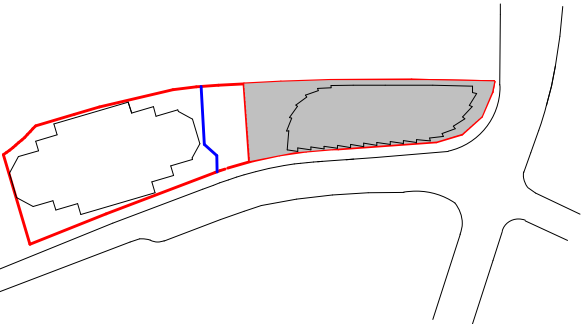
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Keyplan

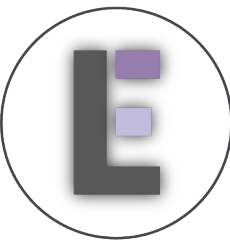


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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Date Issued

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Drawing Title

LEVEL 27
(TYPICAL TYPE C)

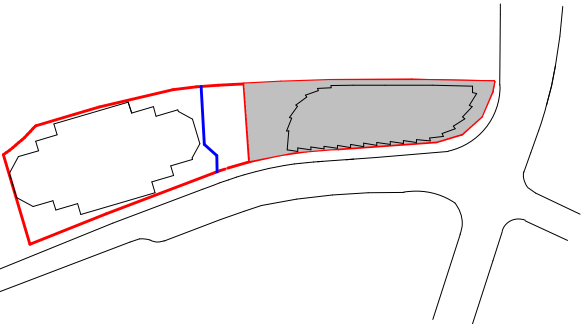
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Keyplan



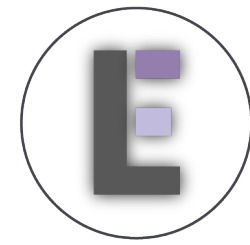
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Insulation Mark-ups

LEGEND

- Total R2.5 (Solid external walls)
- Total R1.5 (Internal walls to unconditioned spaces)
- Total R2.5 (installed in underside of slab or above)
- Total R4.0 (installed in ceiling - open to air)



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Date Issued

Scale 1 : 200 @A1

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Drawing Title

LEVEL 28-47
(TYPICAL TYPE C)

Drawing Number

VAL-BUC-AZ-DR-A-DA-20014 C

Revision

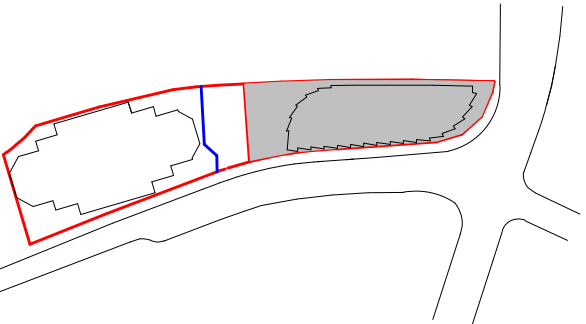
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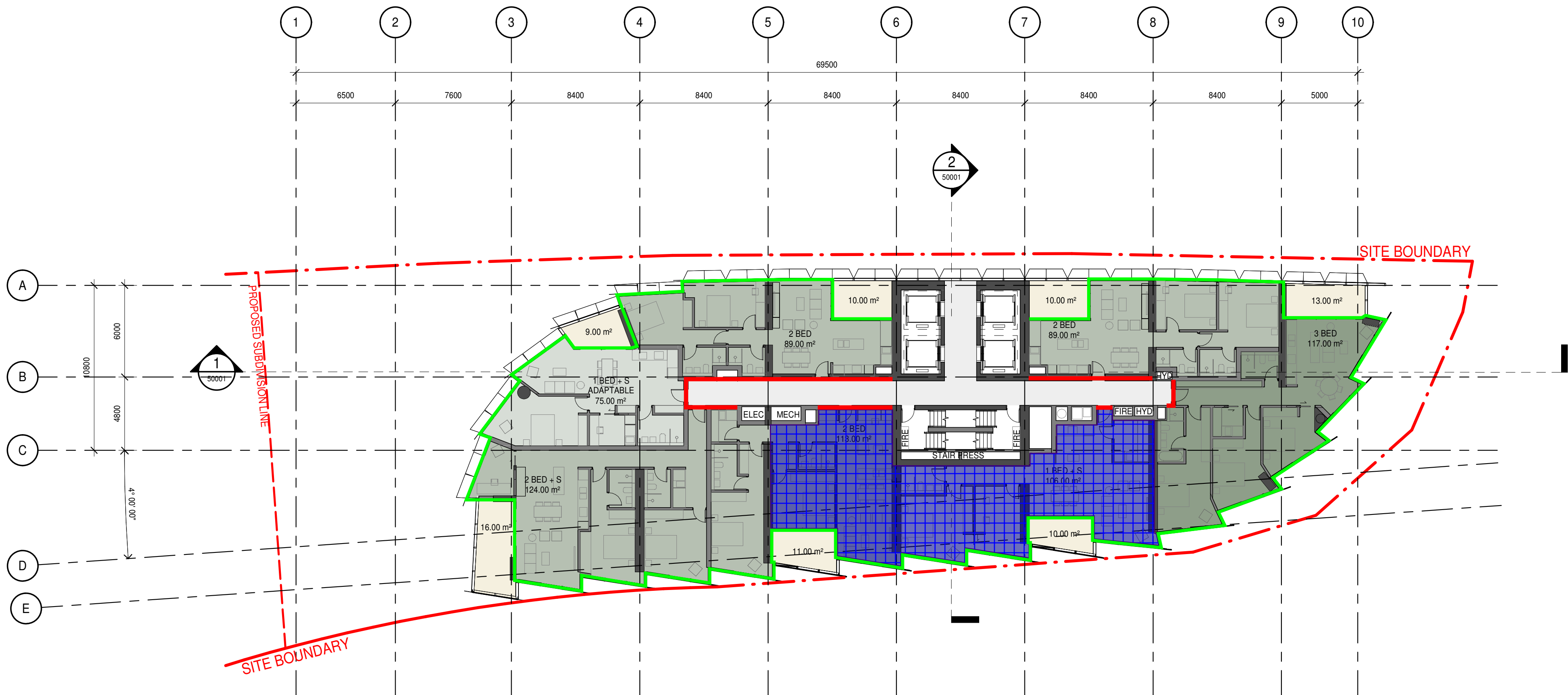
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Keyplan

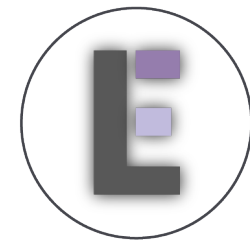


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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Date Issued

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Drawing Title

LEVEL 48
(TYPICAL TYPE C)

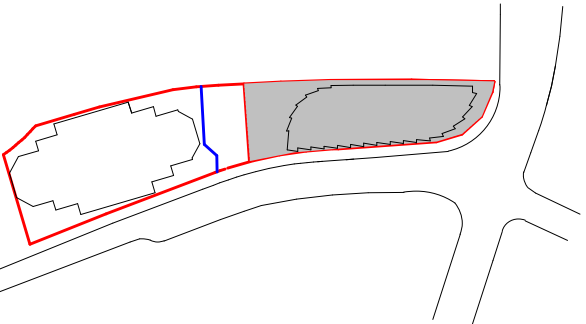
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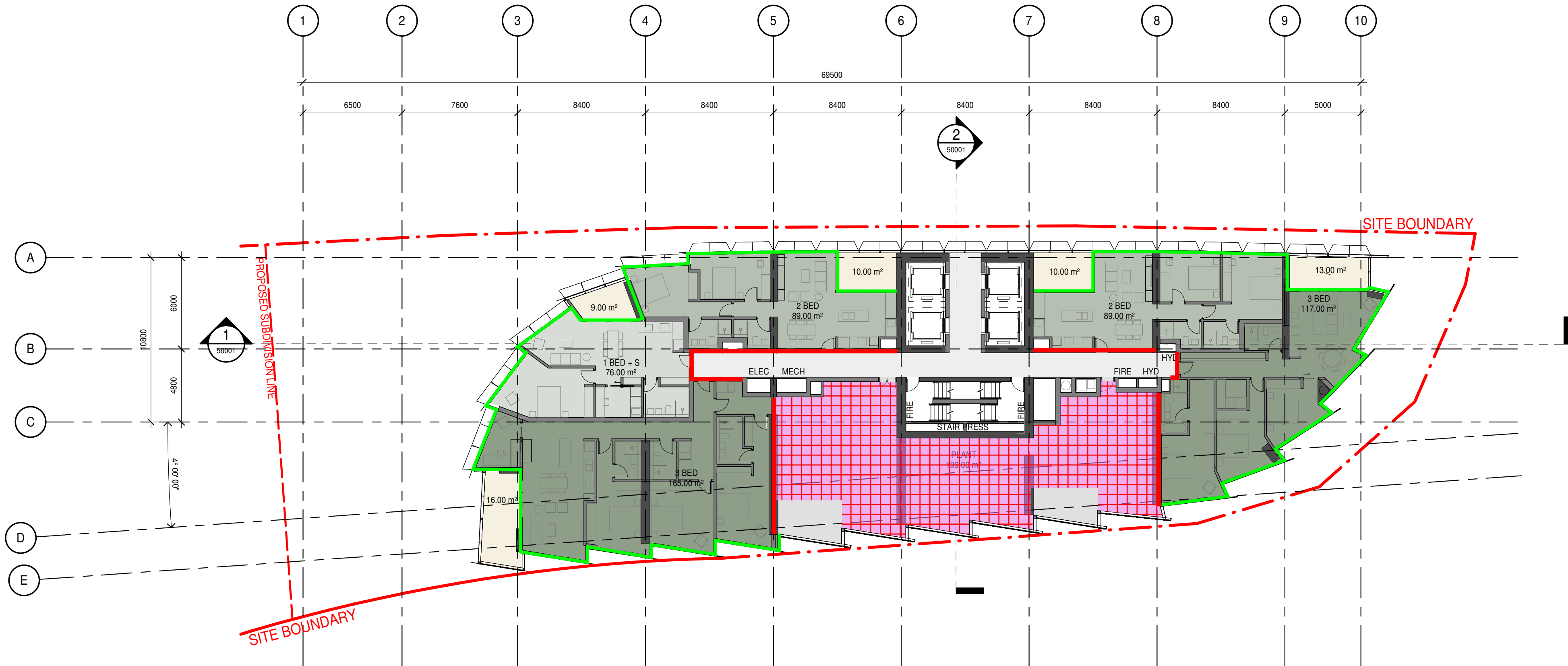
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Keyplan

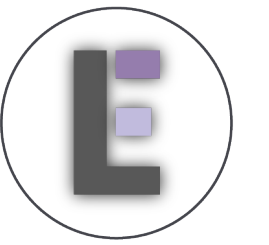


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
 - Total R2.5 (installed in underside of slab or above)
 - Total R4.0 (installed in ceiling - open to air)



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Date Issued

Scale 1 : 200 @A1

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Drawing Title

LEVEL 49 (RESIDENTIAL & PLANT)

Drawing Number
VAL-BUC-AZ-DR-A-DA-20015

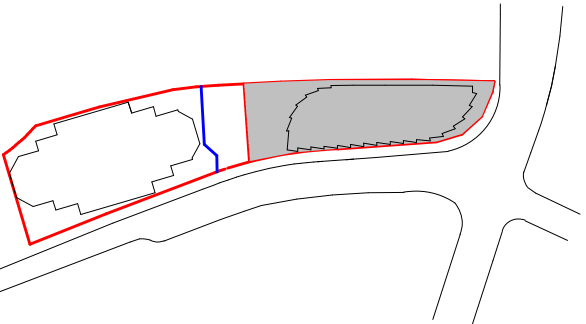
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Keyplan



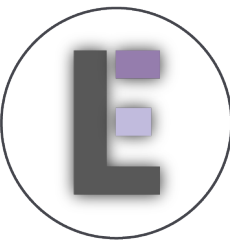
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Insulation Mark-ups

LEGEND

- Total R2.5 (Solid external walls)
- Total R1.5 (Internal walls to unconditioned spaces)
- Total R2.5 (installed in underside of slab or above)
- Total R4.0 (installed in ceiling - open to air)



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Drawing Title

LEVEL 50
(TYPICAL TYPE C)

Drawing Number

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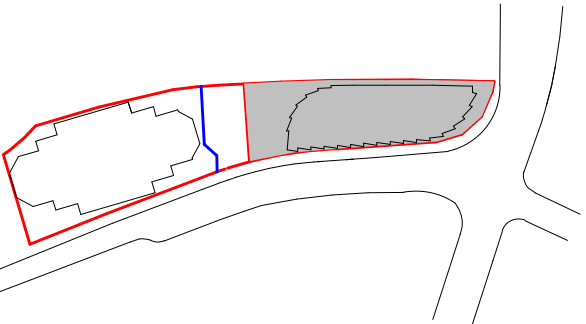
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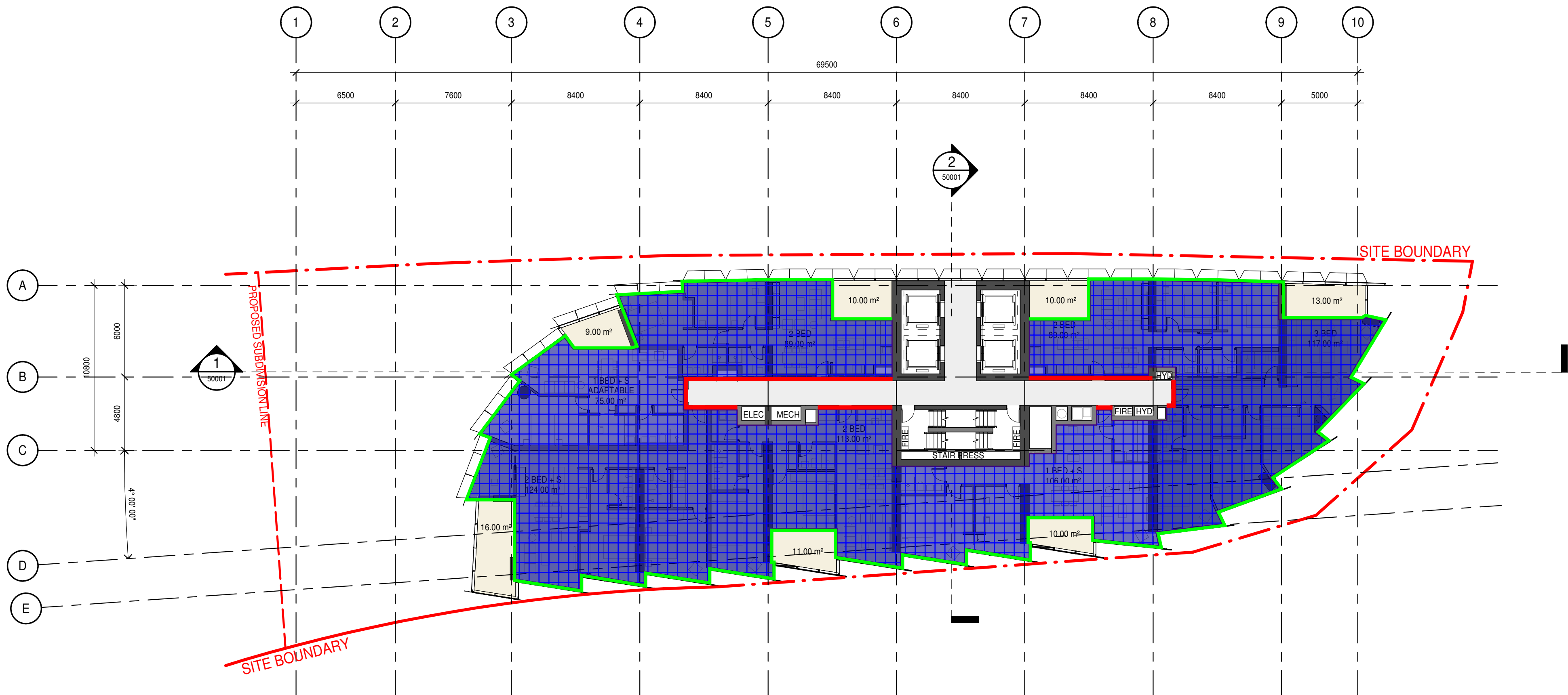
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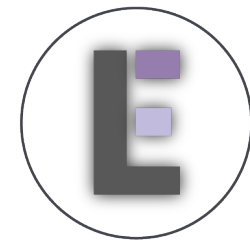


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Insulation Mark-ups

- LEGEND
- Total R2.5 (Solid external walls)
 - Total R1.5 (Internal walls to unconditioned spaces)
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Date Issued

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Drawing Title

LEVEL
(TYPICAL TYPE C)

70

Drawing Number

VAL-BUC-AZ-DR-A-DA-20014 C

Revision

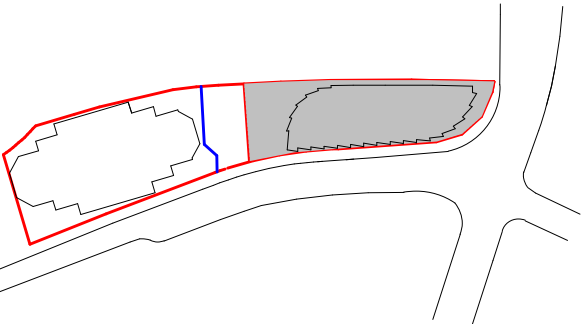
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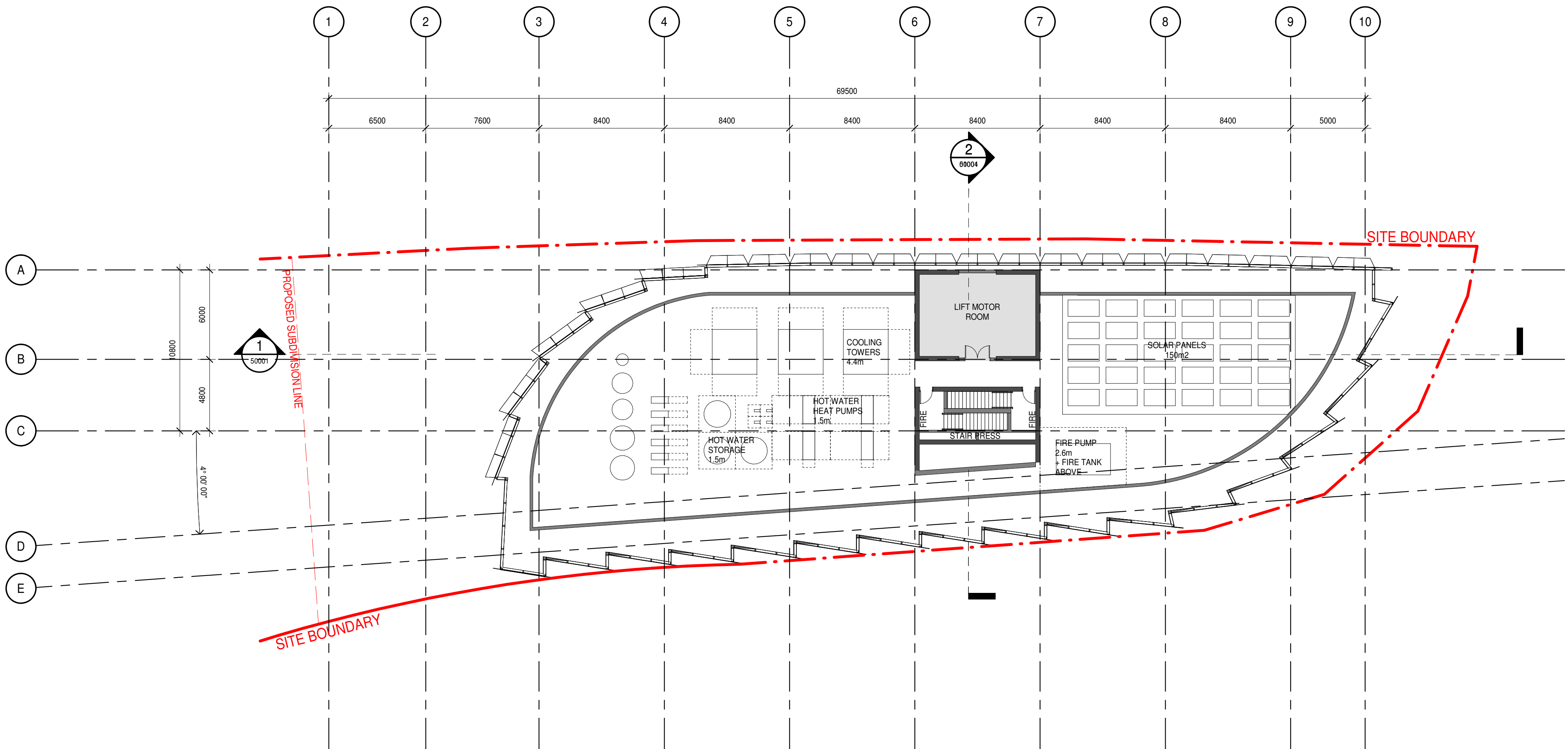
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Keyplan



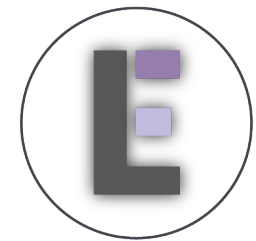
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Insulation Mark-ups

LEGEND

- Total R2.5 (Solid external walls)
- Total R1.5 (Internal walls to unconditioned spaces)
- Total R2.5 (installed in underside of slab or above)
- Total R4.0 (installed in ceiling - open to air)



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Date Plotted 20/02/2026 2:34:01 PM

Date Issued

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0 10 20 40 60M

Drawing Title

LEVEL 71 ROOF DECK

Drawing Number

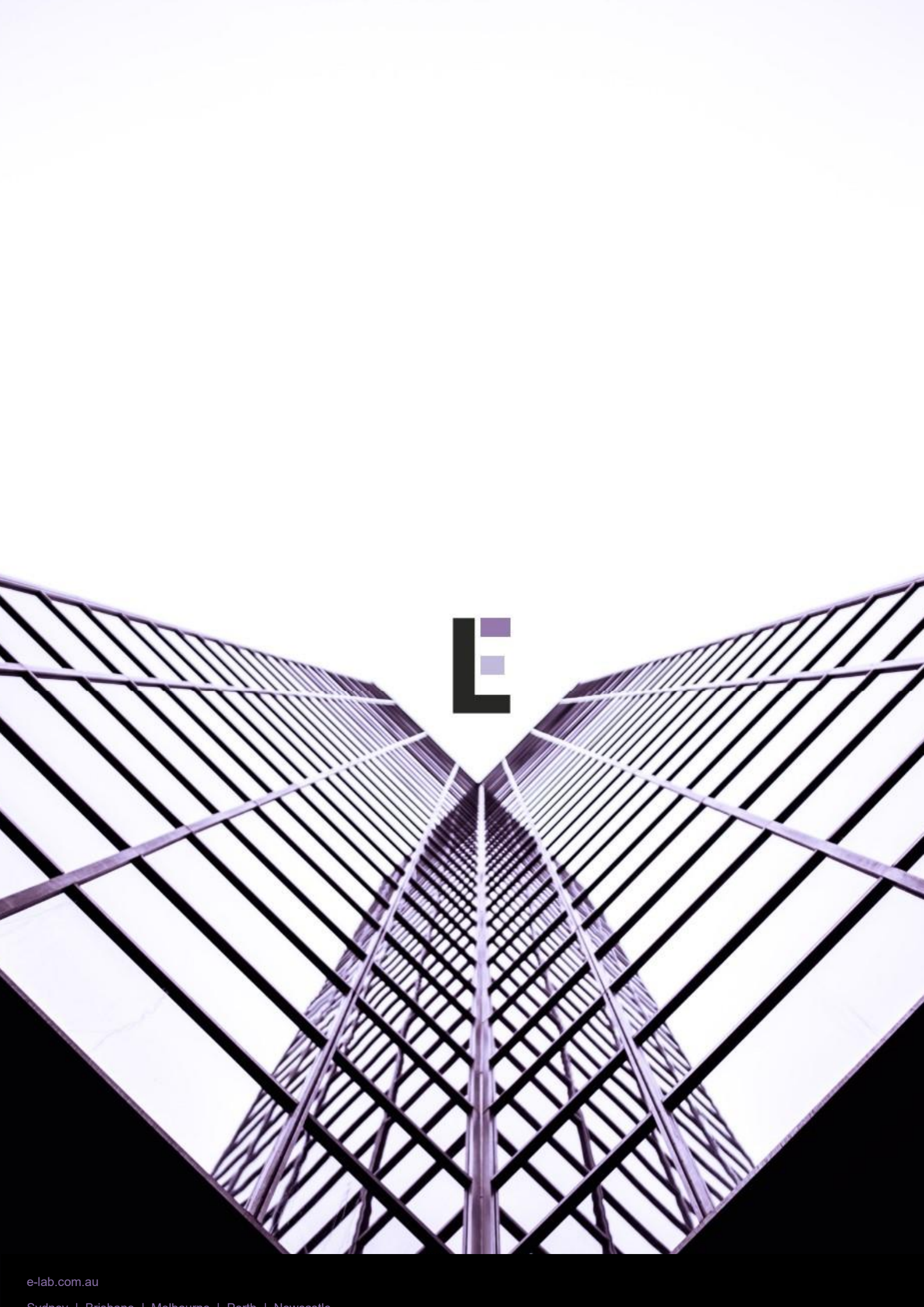
VAL-BUC-AZ-DR-A-DA-20016 C

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