

# 94 Edgecliffe Boulevard

## Collaroy Plateau

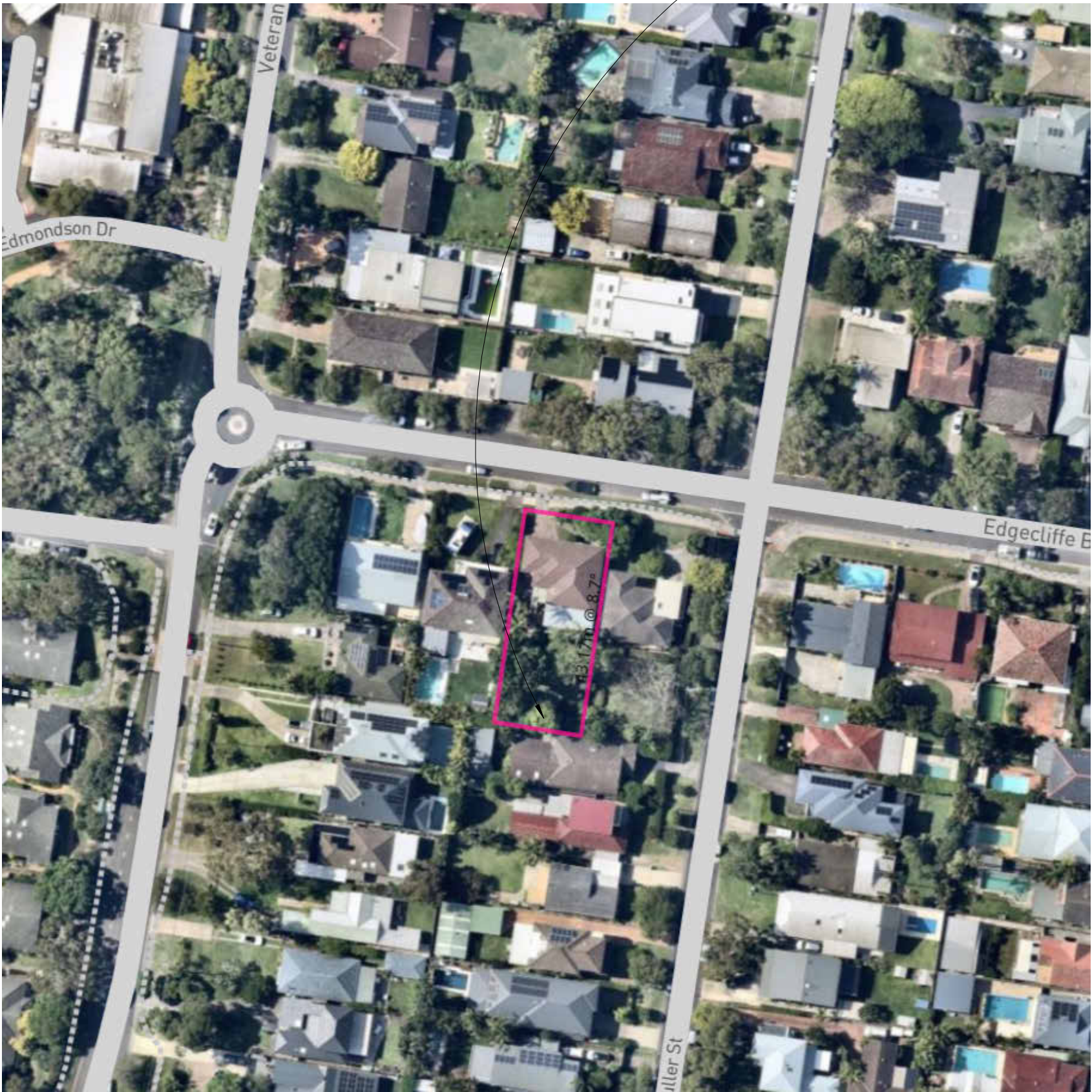
### DEVELOPMENT APPLICATION

FOR PROPOSED DUPLEX WITH BASEMENT AND POOLS

#### DRAWING LIST

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A003	Site Analysis	24/06/25
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Subject Site



3D VIEW - ARTIST IMPRESSION ONLY

SITE LOCATION

DA PLANS

		Rev		Revision		By		Date		SCALE BAR:		NORTH:		DRAWINGS BY:		CLIENT:		PROJECT:		DESIGNER:		DATE:	
		A		DA PLANS		LM		16.05.25								Duplex BUILDING DESIGN		Proposed Duplex with Basement		BW		24/06/25	
		B		MARKUPS		LM		09.06.25								ADDRESS:				DRAWING:			
		D		ATTACHED NATHERS & BASIX		LM		18.06.25								94 Edgecliffe Boulevard Collaroy Plateau				Cover Sheet			
																				BW			



### UTILITY LEGENDS:

The diagram shows a cross-section of the ground with various utility lines. From top to bottom, the lines are:

- MAIN SEWER LINE:** Represented by a thick black line.
- MAIN GAS LINE:** Represented by a thick purple line with the letter 'G' at both ends.
- MAIN WATER LINE:** Represented by a thick blue line with the letter 'W' at both ends.
- MAIN POWER LINES:** Represented by a thick red line with the letter 'E' at both ends.
- NBN/TELSTRA LINES:** Represented by a thick green line with the letter 'T' at both ends.

BASEMENT FLOOR LINE

FIRST FLOOR LINE

GROUND FLOOR LINE

DWELLING 1 STORAGE AREA	
LOCATION	SIZE (m <sup>3</sup> )
STORAGE @ BASEMENT	45.7m <sup>3</sup>
STORAGE @ FF LINEN	1.5m <sup>3</sup>
STORAGE @ FF LINEN	4.0m <sup>3</sup>
<b>TOTAL:</b>	<b>51.2m<sup>3</sup></b>

DWELLING 2 STORAGE AREA	
LOCATION	SIZE (m³)
STORAGE @ BASEMENT	45.7m³
STORAGE @ FF LINEN	1.5m³
STORAGE @ FF LINEN	4.0m³
TOTAL:	51.2m³



**DIAL BEFORE YOU DIG SHOULD  
BE CONTACTED PRIOR TO ANY  
EXCAVATION ON SITE.**

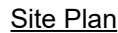
### BASEMENT FLOOR SETBACK

GROUND FLOOR SETBACK

FIRST FLOOR SETBACK

## DA PLANS

DATE: 24/06/25  
SCALE: As indicated @A2  
PROJECT No: DRAWING No: ISSUE  
24100 A001 D



SCALE: 1 : 200 @ A3

LANDSCAPE COMPLIANCE	
Landscape Location	Areas
Area	197.87 m <sup>2</sup>
Area	16.59 m <sup>2</sup>
Area	16.90 m <sup>2</sup>
Area	37.78 m <sup>2</sup>
Area	36.96 m <sup>2</sup>
LANDSCAPED	306.10 m <sup>2</sup>
LANDSCAPING TOTAL	306.10 m <sup>2</sup> 40%

STRATA SUBDIVISION		
LOT NO.	DWELLING NO.	Area
DWELLING 1	Area	381.31 m <sup>2</sup>
DWELLING 2	Area	384.42 m <sup>2</sup>
Total Lot Area		765.73 m <sup>2</sup>

Rev	Revision	By	Date
A	DA PLANS	LM	16.05.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25

SCALE BAR: 0 4000 8000 12000  
SCALE 1 : 200

THE BUILDER SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE. DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSION. DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.

NORTH:



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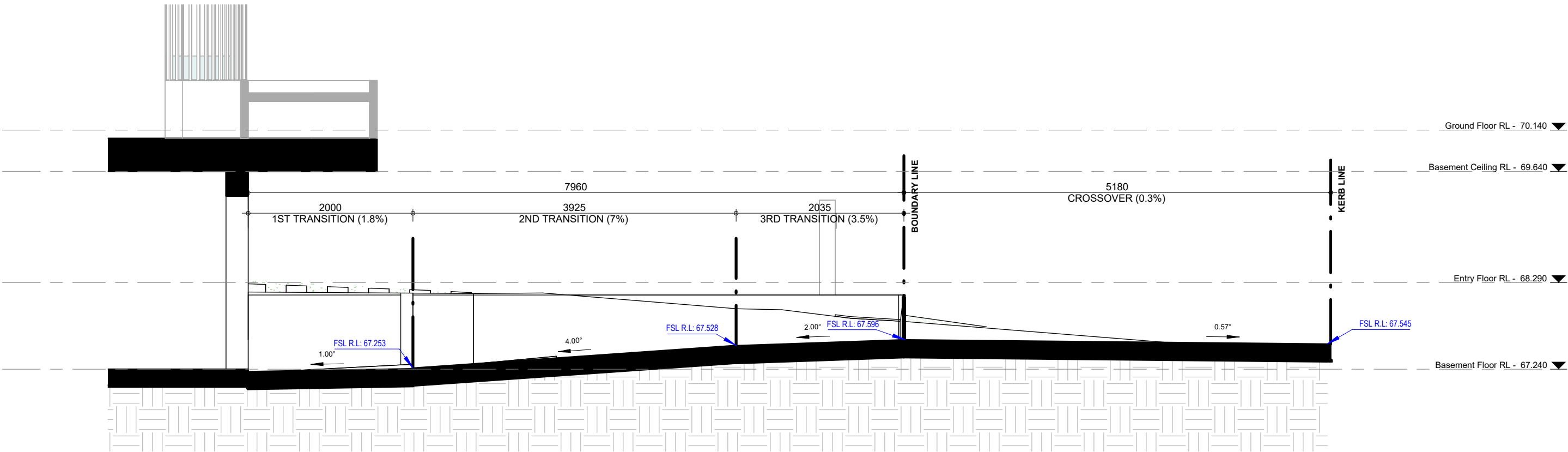
CLIENT:  
**Georgeski**

ADDRESS:  
**94 Edgecliffe Boulevard Collaroy  
Plateau**

PROJECT:  
**Proposed Duplex with Basement**

DRAWING:  
**Site Plan**

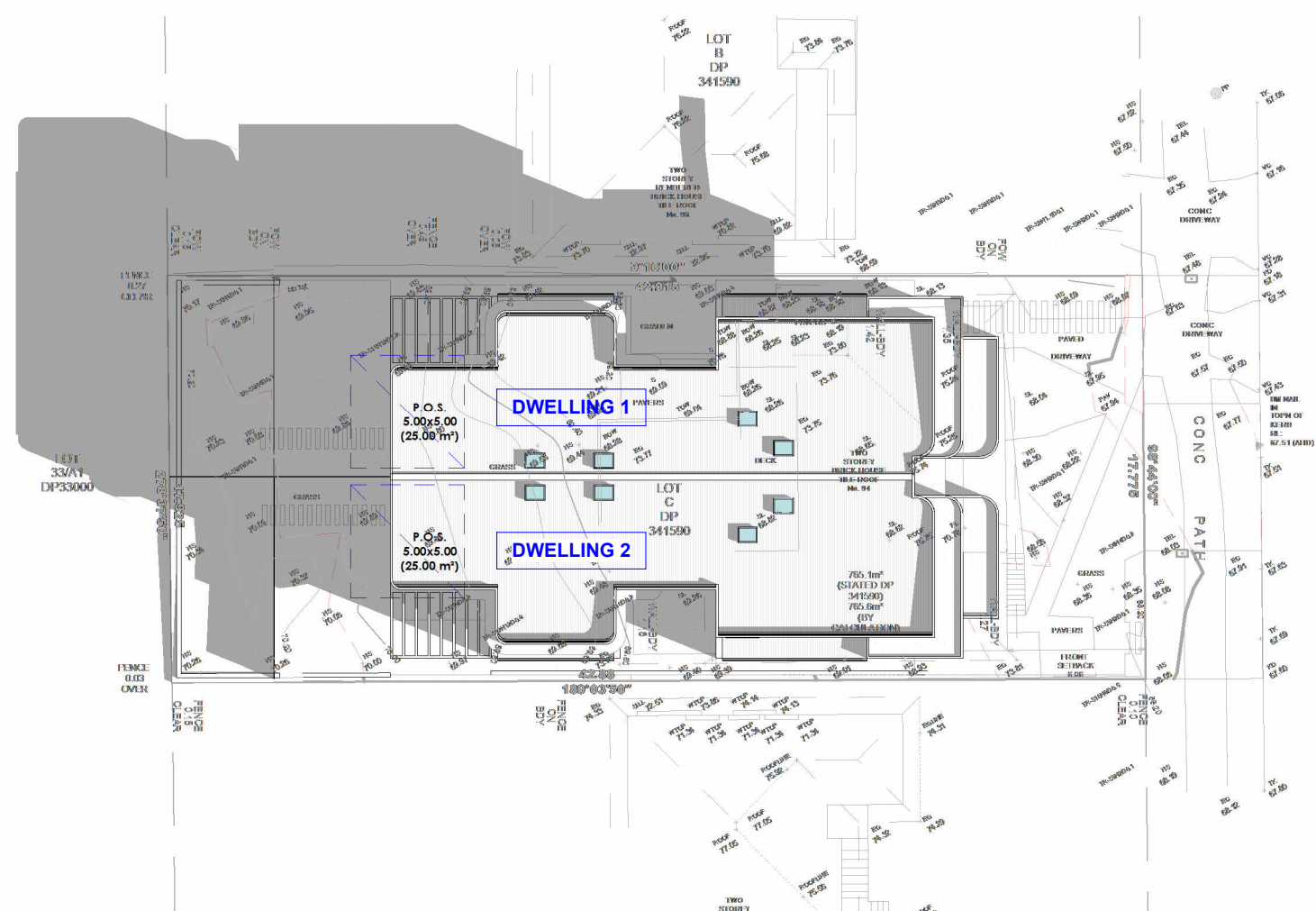
DESIGNER:  
BW  
DRAWN:  
LM



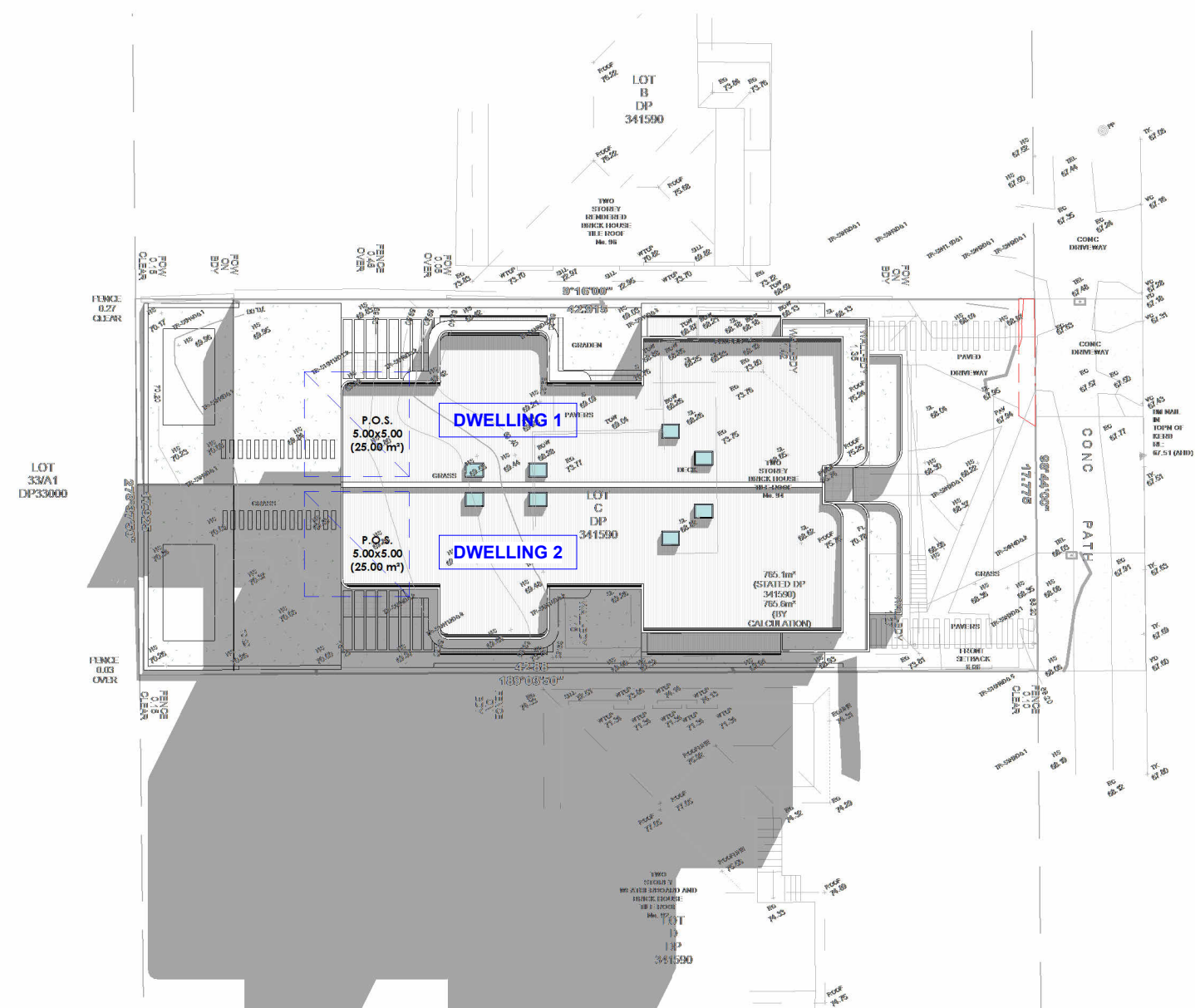
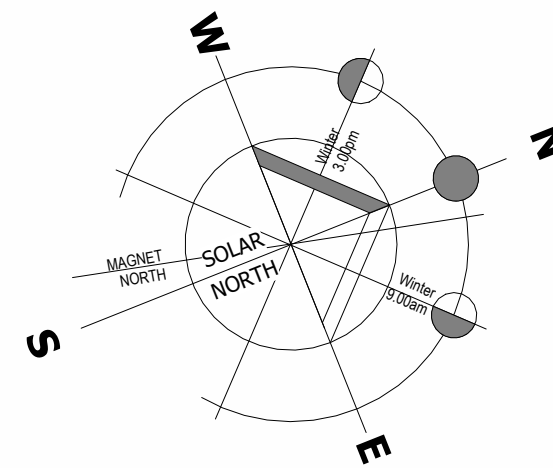
Driveway Gradient  
SCALE: 1 : 50 @ A3



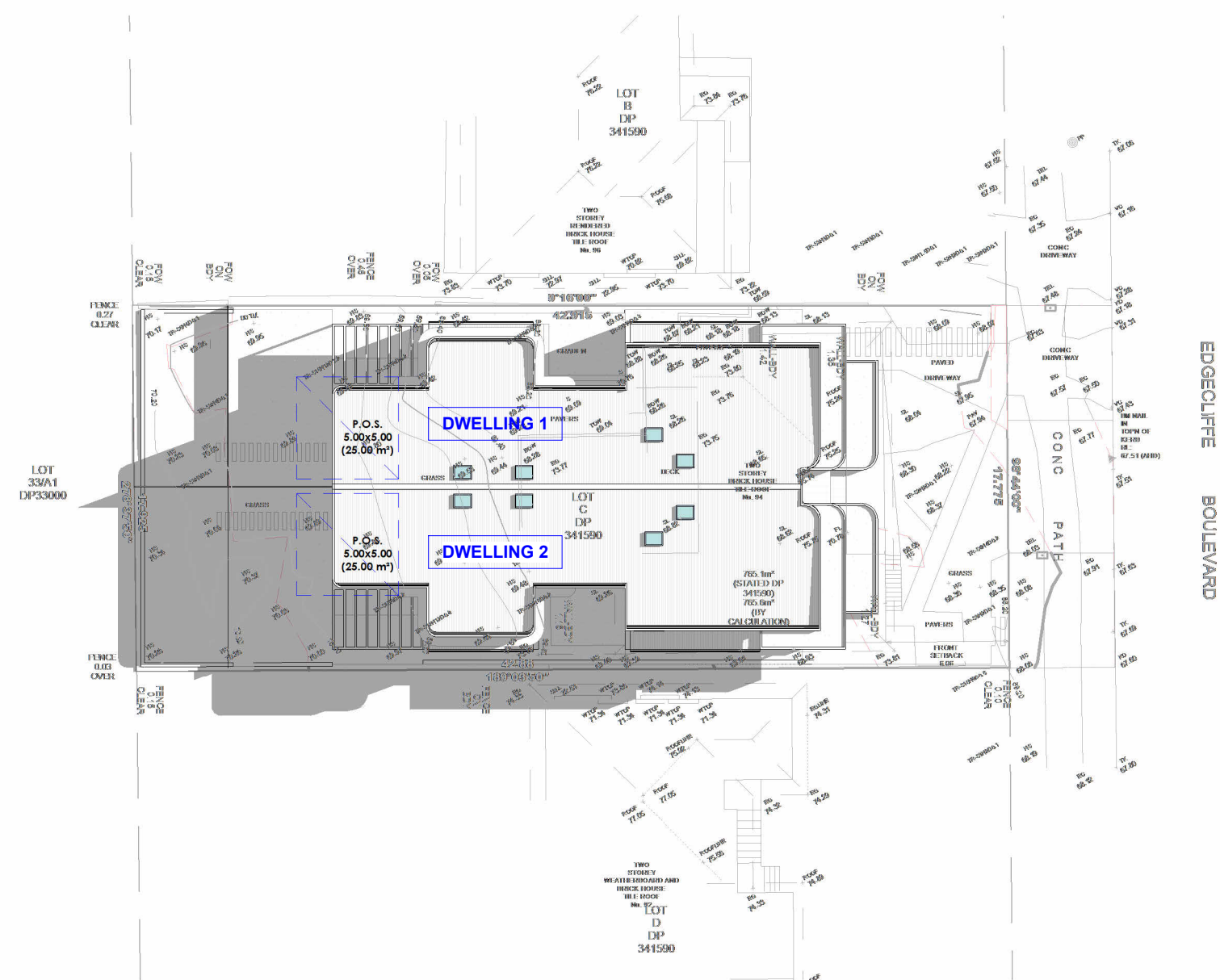




9am Winter Solstice Shadow Diagram  
SCALE: 1 : 300 @ A3

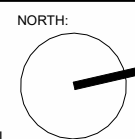
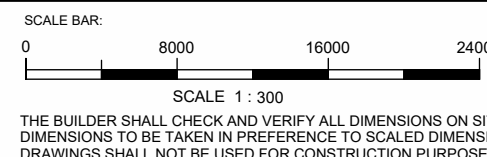


### 3pm Winter Solstice Shadow Diagram



12pm Winter Solstice Shadow Diagram  
SCALE: 1 : 300 @ A3

Rev	Revision	By	Date
A	DA PLANS	LM	16.05.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25



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Plateau**

PROJECT:  
**Proposed Duplex with Basement**

DRAWING:  
**Shadow Diagram**

DESIGNER:  
BW  
DRAWN:  
BW

DATE: 24/06/25  
SCALE: 1 : 300 @A2  
PROJECT No: DRAWING No: ISSUE:  
24100 A004 D



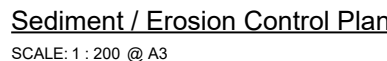
1. The site manager shall ensure at all times that all soil and sediment control works and devices are implemented in accordance with the department of housing "managing urban stormwater" guidelines and "The Blue Book".
2. Prior to commencement sediment control details are to be installed as detailed on this plan.
3. Stabilized construction access is to be installed as required.
4. Access roads are to be stabilized at all times. Sediment fence or other suitable devices are to be installed downstream of disturbed areas.
5. During windy and prolonged dry periods, disturbed areas are to be stabilized by spraying with water for dust containment.
6. Diversion basins/channels etc. are to be installed where required to divert upstream overland flows from entering disturbed areas.
7. The site manager must inspect all sedimentation control devices at least weekly and also at each storm event to ensure they are operational and perform their functions as intended.
8. Where a device is unsuitable a new device shall be installed to ensure that it will perform the necessary sediment & erosion control task
9. Clean and remove trapped sediments and dispose off site and/or speed and compact on site in a manner to prevent further erosion.
10. Assess the effectiveness of devices and install additional and/or new devices in accordance with "The Blue Book" to ensure that downstream protection is achieved.
11. Disturbed areas that are not to be rehabilitated as soon as possible with vegetative cover.
12. Waste bins are to be provided for contaminated wastes eg. paint, concrete, mortar slurries, light weight materials, fillers etc. and bins are to be emptied at regular intervals at waste disposal sites.
13. All contaminated materials are to be stored in waste bins clear of poor drainage areas, eg. overland flow paths etc so that they are not be transported to downstream waterways & drainage systems.

**Construction notes**







- Construct sediment fence as close as possible to parallel to the contours of the hills.
- Drive 1.5 metre long star picks into ground, 2.5 metres apart (max.).
- Lay a 150 mm deep trench along the upslope line of the fence to the bottom of the fabric to be entrenched.
- Fix self-supporting geotextile to upslope side of posts with wire ties or as recommended by geotextile manufacturer.
- Join sections of fabric at support post with a 150 mm overlap.
- Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.




**Construction Notes**

1. Strip topsoil and level site.
2. Compact subgrade.
3. Cover area with needle-punched geotextile.
4. Construct 200 mm thick and cover geotextile with aggregate to 30 mm aggregate. Minimum length 15 metres or to building alignment. Maximum width 3 metres.
5. Construct pump immediately within boundary to divert water to a sediment fence or other sediment trap.



The diagram illustrates a gabion structure used for erosion control. It shows a cross-section of a slope. The top part of the slope is labeled "DISTURBED GROUND". The bottom part is labeled "UNDISTURBED GROUND". A "WIRE OR STEEL MESH" is shown as a grid structure. The "DIRECTION OF FLOW" is indicated by an arrow pointing from left to right. The mesh is supported by "POSTS DRIVEN 0.5m INTO GROUND". The distance between the mesh and the ground is labeled "3.00m MAX". The mesh is also labeled "GEOTEXTILE FILTER FABRIC". The vertical distance from the ground to the top of the mesh is labeled "500". The vertical distance from the ground to the bottom of the mesh is labeled "200".

SITE MANAGEMENT LEGEND				
	AREA FOR RECYCLING AND BUILDERS RUBBISH AS PER LOCAL AUTHORITIES REQUIREMENTS		PORTABLE TOILET/ LOO	 TEMPORARY CONSTRUCTION FENCE
	BUILDER'S ALL-WEATHER ACCESS TO PREVENT TRACKING OF SEDIMENT		AREA FOR MATERIAL STORAGE AND DELIVERERS	 SEDIMENT CONTROL FENCE

Rev	Revision	By	Date	  	<b>DUPLEX BUILDING DESIGN</b> Offices at: Wollongong, Kiama & Ulladulla info@duplexbuildingdesign.com www.duplexbuildingdesign.com Office: 02 4209 3003	CLIENT: <b>Georgeski</b>	PROJECT: <b>Proposed Duplex with Basement</b>	DESIGNER: <b>BW</b>	DATE: <b>24/06/25</b>
A	DA PLANS	LM	16.05.25						
B	MARKUPS	LM	09.06.25						
D	ATTACHED NATHERS & BASIX	LM	18.06.25						
THE BUILDER SHALL CHECK AND VERIFY ALL DIMENSIONS ON SITE. DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSION. DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.						ADDRESS: <b>94 Edgecliffe Boulevard Collaroy Plateau</b>	DRAWING: <b>Sediment/Erosion Control Plan</b>	DRAWN: <b>BW</b>	SCALE: <b>As indicated</b> @A2
									PROJECT No: <b>24100</b> DRAWING No: <b>A005</b> ISSUE: <b>D</b>

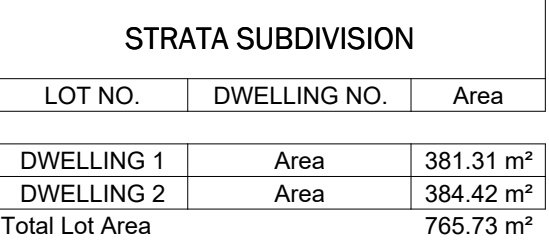
DATE: 24/06/25

SCALE: As indicated @A2

PROJECT No: DRAWING No: ISSUE:

24100 A005 D

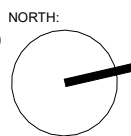




**Strata Subdivision Plan**  
SCALE: 1 : 200 @ A3

SCALE BAR:  
0 4000 8000 12000  
SCALE 1 : 200

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ADDRESS:  
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Plateau**

PROJECT:  
**Proposed Duplex with Basement**

DRAWING:  
**Strata Subdivision Plan**

DESIGNER:

DRAWN:

DRAWN:

BW

DATE: 24/06/25

SCALE: 1 : 200

PROJECT No: DRA

**24100**

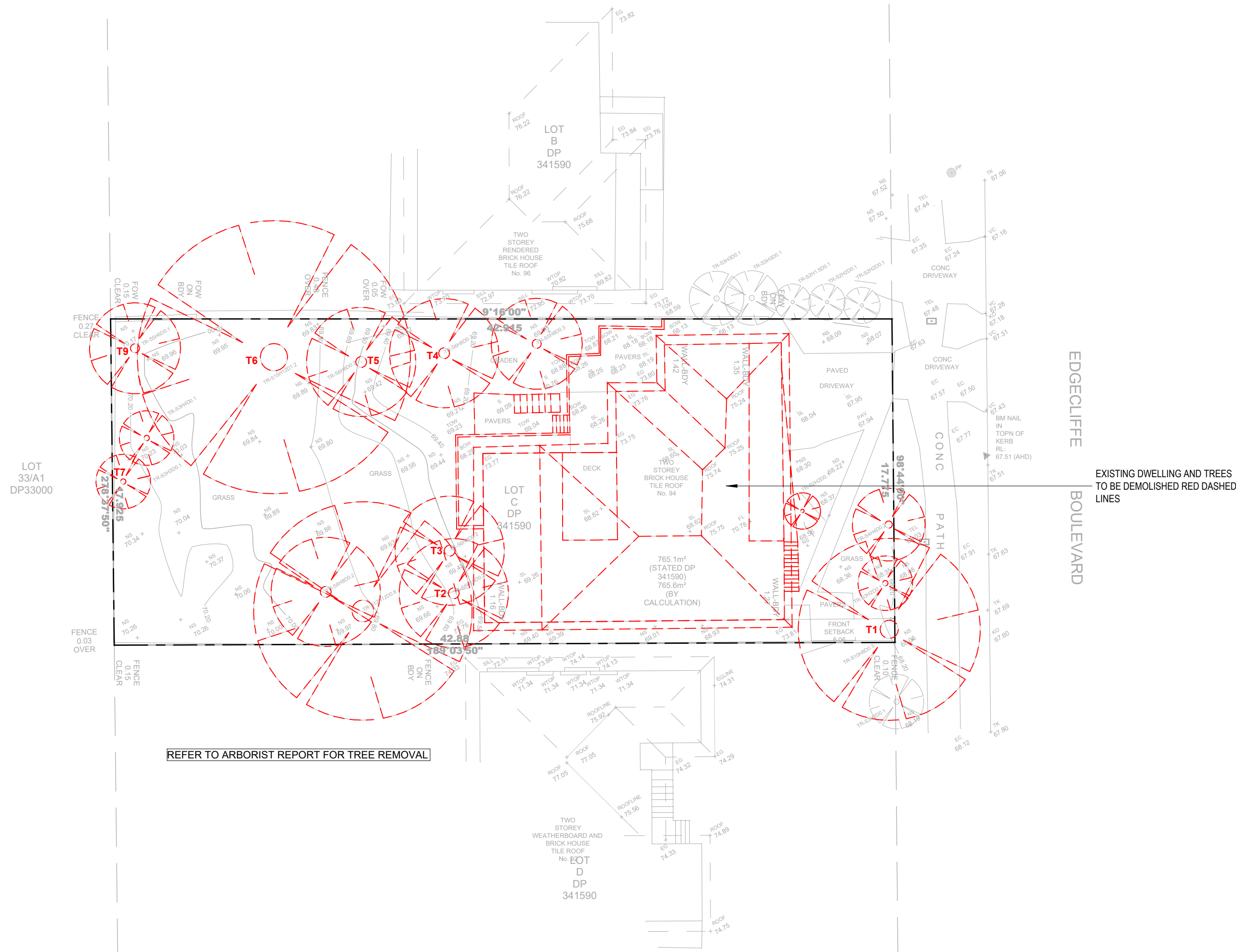
**24100**

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DEMOLITION NOTES:

1. ALL DEMOLITION WORK AND LOADING WILL BE CONDUCTED MANUALLY AND IN ACCORDANCE WITH AS2601-2001
2. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL NECESSARY FEES AND ALL NECESSARY PERMIT FOR CLEANING SOILS, EROSION, PROTECTIONS AND DISPOSING OF DEFERS FROM SITE. THE CONTRACTOR SHALL COORDINATE THE REMOVAL, RELOCATION, OR RE-ROUTING OF ANY UTILITIES WITH EACH RESPECTIVE UTILITY COMPANIES OR AGENCIES PRIOR TO THE START OF WORK.
3. THE CONTRACTOR SHALL REMOVE ALL EXISTING BUILDING, INCLUDING SHED, CONCRETE PATHS, TREES, METERS, FOUNDATION WALLS, CONCRETE SLABS, AND ANY OTHER ATTACHMENTS SHOWN ON THIS DRAWING.
4. THE CONTRACTOR SHALL SEPARATE ALL PRODUCTS
5. THE CONTRACTOR SHALL RECYCLE PRODUCTS TO A LOCAL RECYCLING.
6. THE CONTRACTOR SHALL DISPOSE OF ALL MIXED WASTE MATERIALS TO A LICENSED WASTE OR TRANSFER STATION.
7. ALL WORKS WILL BE CARRIED OUT IN A SAFE AND TIMELY MANNER AS PER SAFE WORK METHOD STATEMENT.
8. THE CONTRACTOR SHALL CONTACT THE CITY OF CITY COUNCIL OR BUILDING DEPARTMENT FOR A DEMOLITION PERMIT BEFORE ANY SITE CLEARING OR BUILDING DEMOLITION WORK COMMENCES.



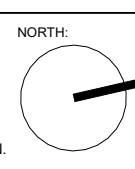
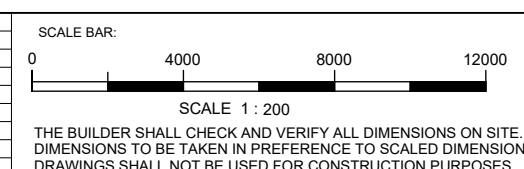
TREE SCHEDULE	
TREE NO.	HEIGHT(m)
T1	6m
T2	12m
T3	10m
T4	10m
T5	12m
T6	14m
T7	8m
T8	11m
T9	7m
T10	10m

**TREES LEGENDS:**

	TREES TO BE DEMOLISHED
	TREES TO BE RETAINED

## DA PLANS

Rev	Revision	By	Date
A	DA PLANS	LM	16.05.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25



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Plateau**

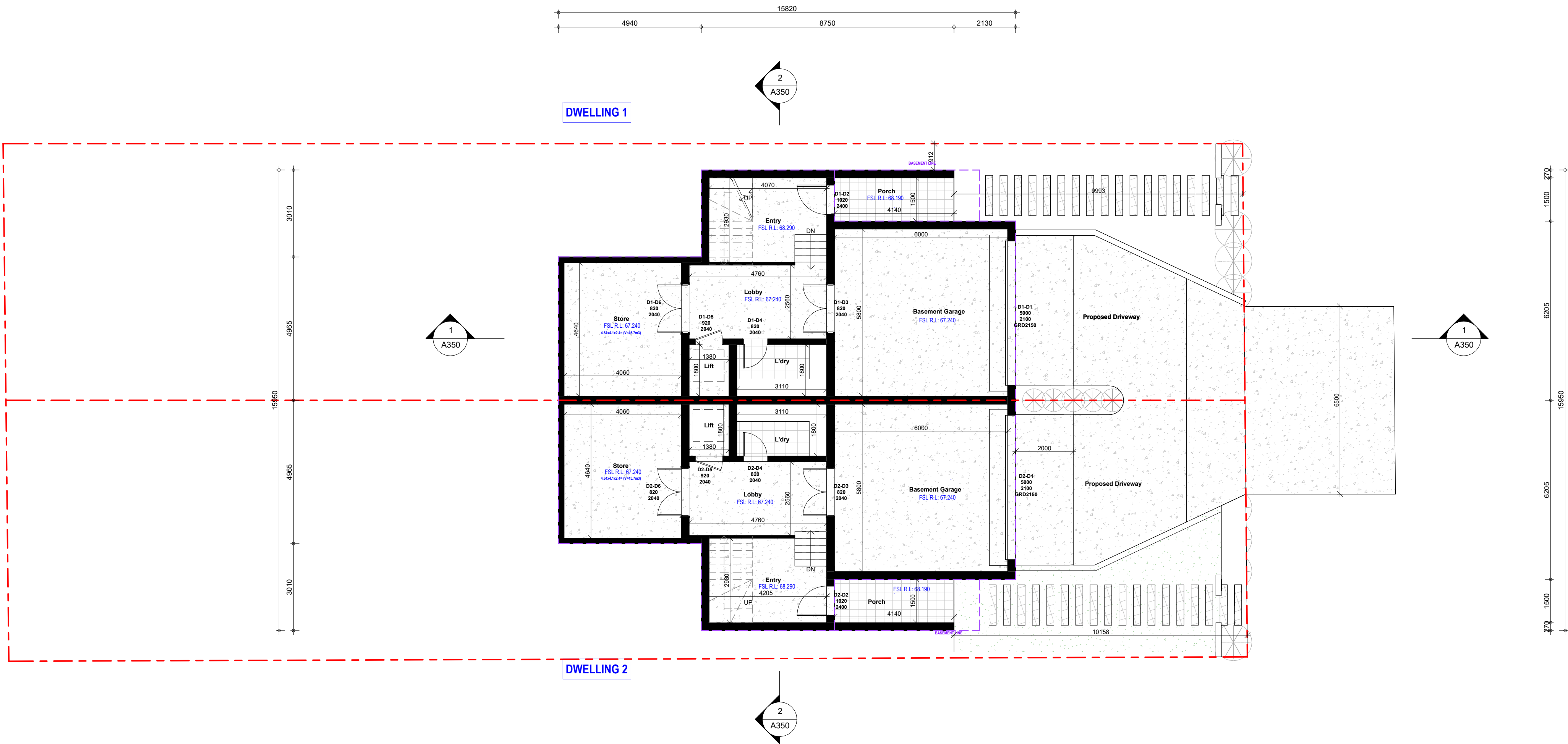
PROJECT:  
**Proposed Duplex with Basement**

DRAWING:  
**Demolition Plan**

DESIGNER:  
BW  
DRAWN:  
LM

DATE: 24/06/25  
SCALE: 1 : 200 @A2  
PROJECT No: DRAWING No: ISSUE  
24100 A102 D



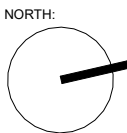


Basement Floor Plan  
SCALE: 1 : 100 @ A3

DA PLANS

Rev	Revision	By	Date
A	DA PLANS	LM	16.06.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25

SCALE BAR:  
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SCALE 1 : 100  
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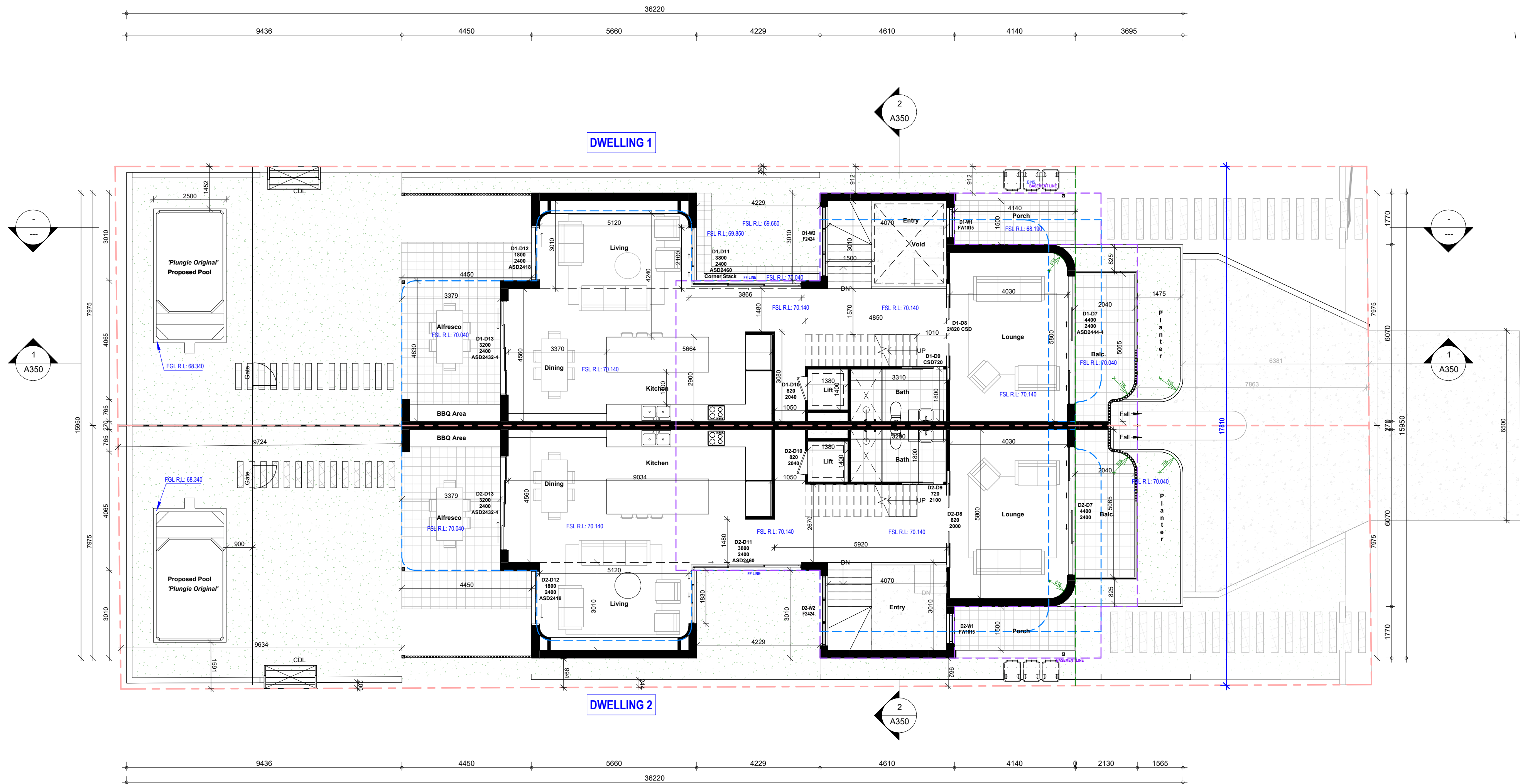
CLIENT:  
**Georgeski**  
ADDRESS:  
**94 Edgecliffe Boulevard Collaroy Plateau**

PROJECT:  
**Proposed Duplex with Basement**  
DRAWING:  
**Basement Floor Plan**

DESIGNER:  
**BW**  
DRAWN:  
**LM**

DATE: **24/06/25**  
SCALE: **1 : 100** @A2  
PROJECT No: **24100** DRAWING No: **A200** ISSUE: **D**





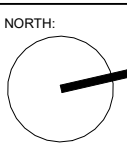
Proposed Ground Floor Plan

SCALE: 1 : 100 @ A3

DA PLANS

Rev	Revision	By	Date
A	DA PLANS	LM	16.05.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25

SCALE BAR:  
0 2000 4000 6000  
SCALE 1 : 100  
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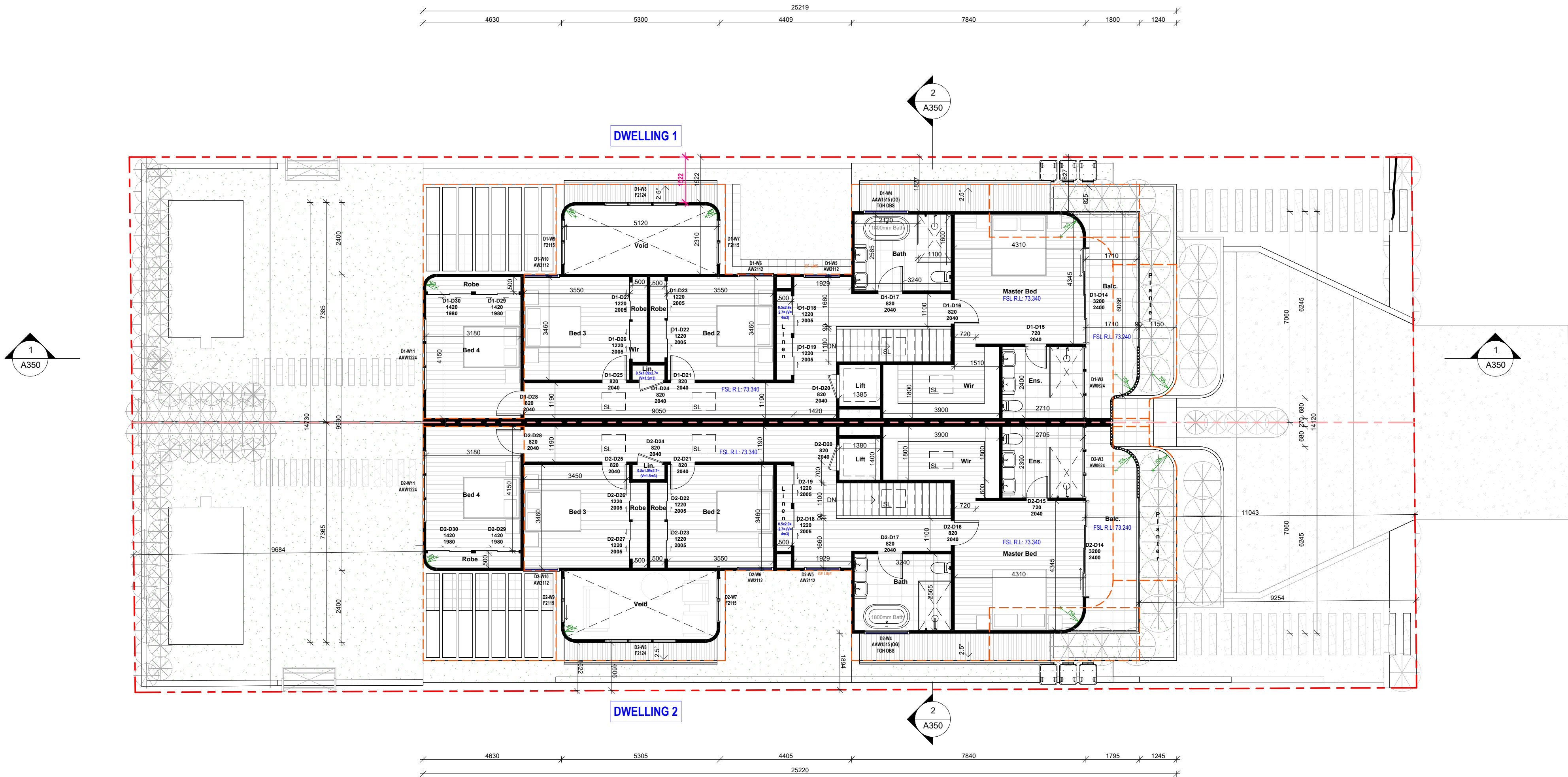
CLIENT:  
**Georgeski**  
ADDRESS:  
**94 Edgecliffe Boulevard Collaroy Plateau**

PROJECT:  
**Proposed Duplex with Basement**  
DRAWING:  
**Proposed Ground Floor Plan**

DESIGNER:  
**BW**  
DRAWN:  
**LM**

DATE: **24/06/25**  
SCALE: **1 : 100** @A2  
PROJECT No: **24100** DRAWING No: **A201** ISSUE: **D**



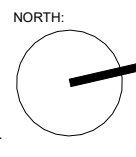


Proposed First Floor Plan  
SCALE: 1 : 100 @ A3

DA PLANS

Rev	Revision	By	Date
A	DA PLANS	LM	16.06.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25

SCALE BAR:  
0 2000 4000 6000  
SCALE 1 : 100  
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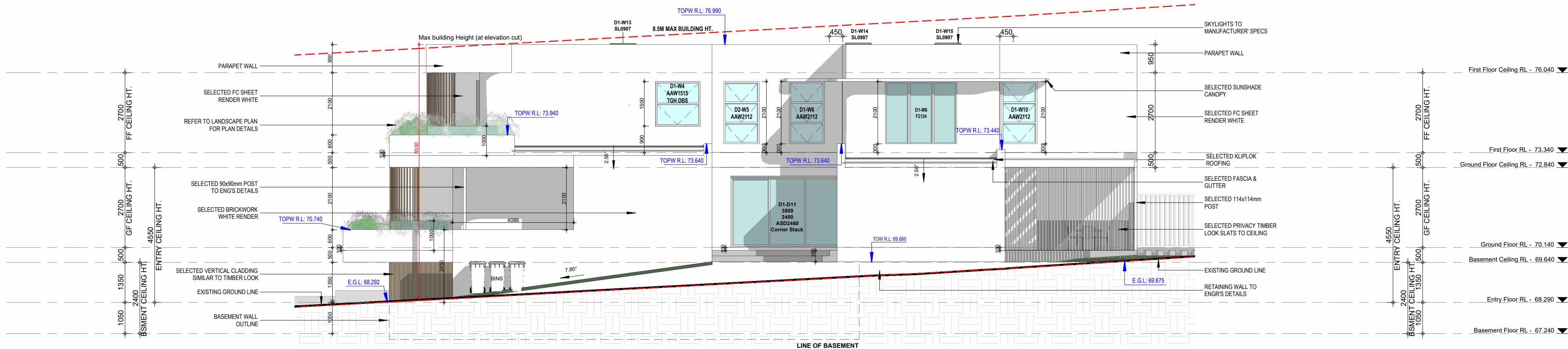
PROJECT:  
**Proposed Duplex with Basement**  
DRAWING:  
**Proposed First Floor Plan**

DESIGNER:  
**BW**  
DRAWN:  
**LM**

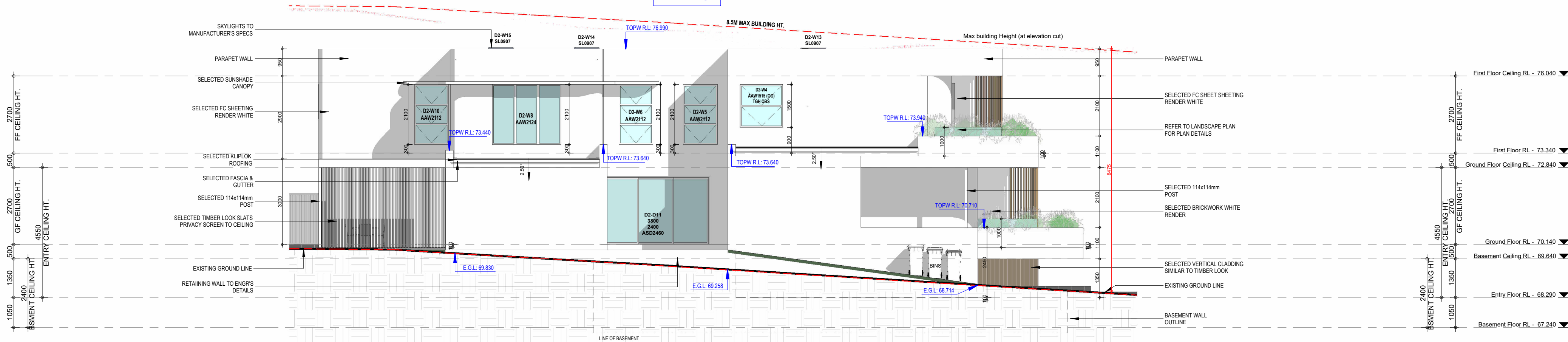
DATE: **24/06/25**  
SCALE: **1 : 100** @A2  
PROJECT No: **24100** DRAWING No: **A202** ISSUE: **D**



# DWELLING 1

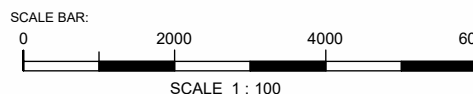


# DWELLING 2

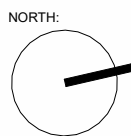


## DA PLANS

Rev	Revision	By	Date
A	DA PLANS	LM	16.05.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25
E	Added 45 Deg. Markers	BW	24/06/25



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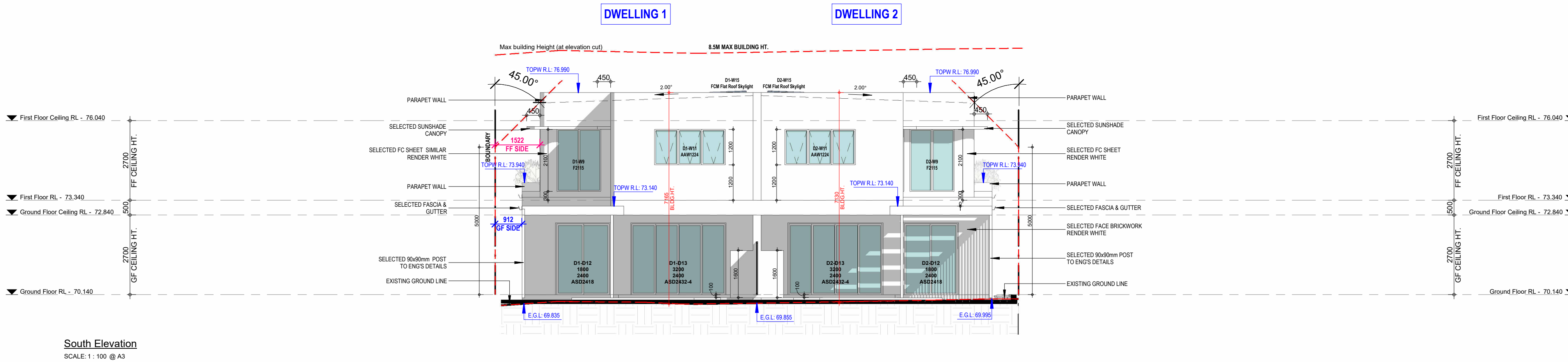
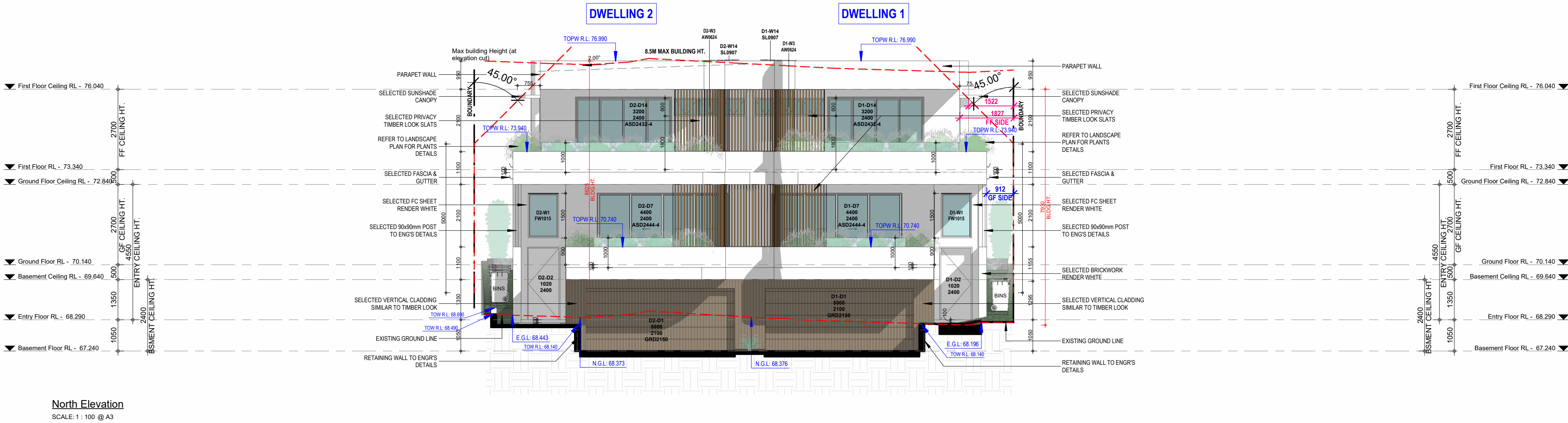
CLIENT: **Georgeski**  
ADDRESS: **94 Edgecliffe Boulevard Collaroy Plateau**

PROJECT: **Proposed Duplex with Basement**  
DRAWING: **Elevations**

DESIGNER: **BW**  
DRAWN: **LM**

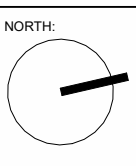
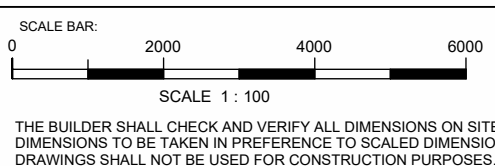
DATE: **24/06/25**  
SCALE: **1 : 100** @A2  
PROJECT No: DRAWING No: ISSUE: **24100 A301 E**





DA PLANS

Rev	Revision	By	Date
A	DA PLANS	LM	16.05.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25
E	Added 45 Deg. Markers	BW	24/06/25



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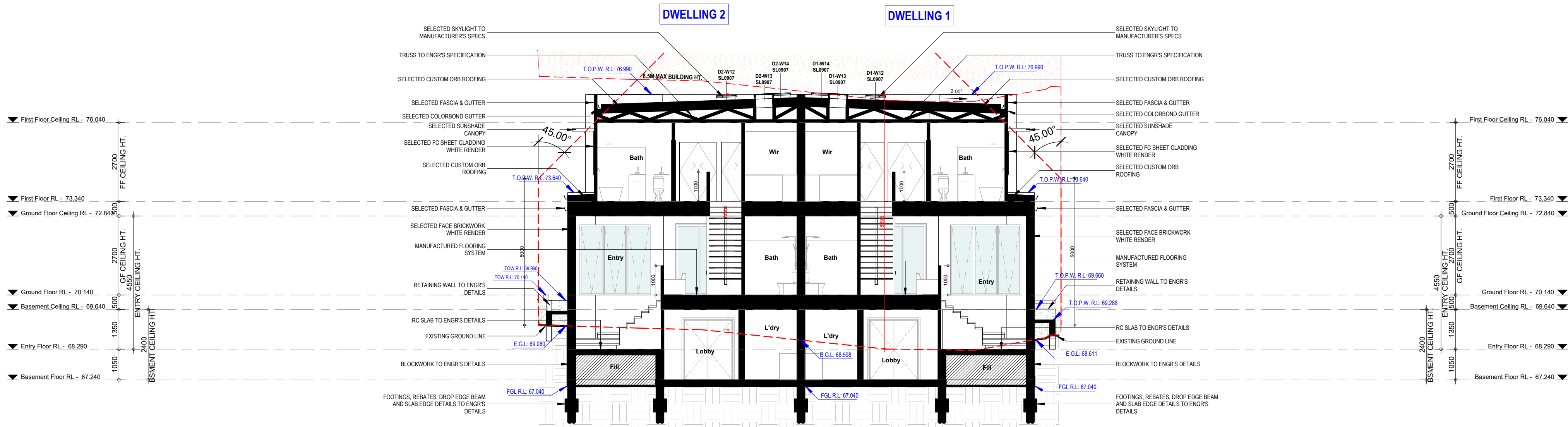
CLIENT: Georgeski  
ADDRESS: 94 Edgecliffe Boulevard Collaroy Plateau

PROJECT: Proposed Duplex with Basement  
DRAWING: Elevations

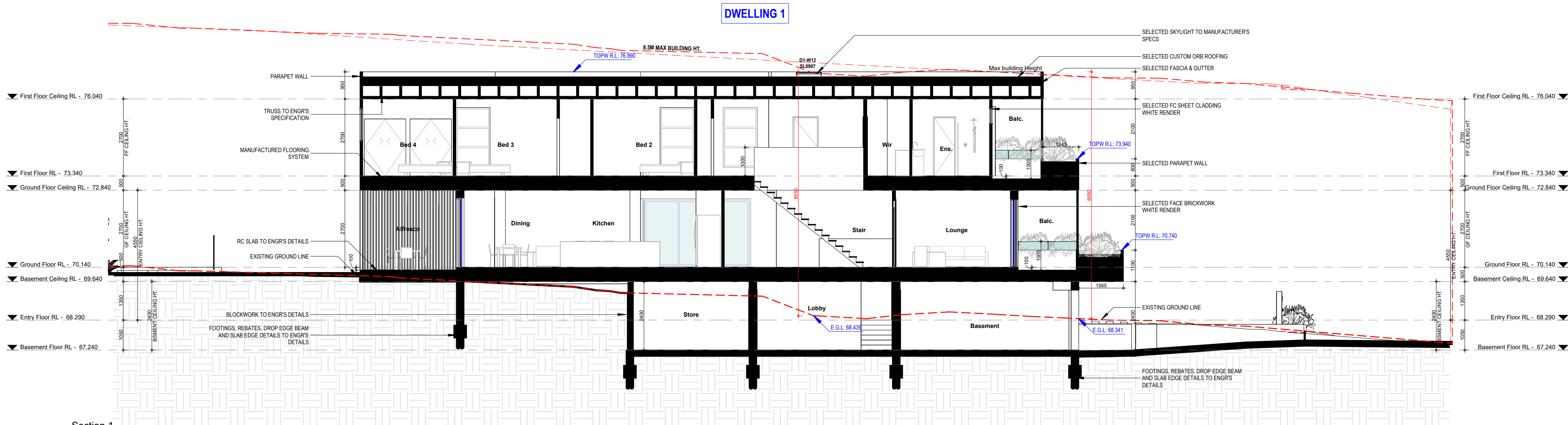
DESIGNER: BW  
DRAWN: LM

DATE: 24/06/25  
SCALE: 1 : 100 @A2  
PROJECT No: 24100  
DRAWING No: A302  
ISSUE: E





Section 5  
SCALE: 1 : 100 @ A3

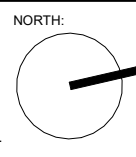


Section 1  
SCALE: 1 : 100 @ A3

## DA PLANS

Rev	Revision	By	Date
A	DA PLANS	LM	16.06.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25
E	Added 45 Deg. Markers	BW	24/06/25

SCALE BAR:  
0 2000 4000 6000  
SCALE: 1 : 100  
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**Georgeski**  
ADDRESS:  
**94 Edgecliffe Boulevard Collaroy Plateau**

PROJECT:  
**Proposed Duplex with Basement**  
DRAWING:  
**Sections**

DESIGNER:  
**BW**  
DRAWN:  
**LM**

DATE: **24/06/25**  
SCALE: **1 : 100** @A2  
PROJECT No: **24100** DRAWING No: **A350** ISSUE: **E**



DA PLANS

Rev	Revision	By	Date
A	DA PLANS	LM	16.05.25

0 2000 4000 6000

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CLIENT:

**Georgeski**

ADDRESS:

**94 Edgecliffe Boulevard Collaroy Plateau**

PROJECT:

**Proposed Duplex with Basement**

DRAWING:

**10am Winter Shadow Diagram**

DESIGNER:

**Designer**

DRAWN:

**Author**

DATE: **24/06/25**

SCALE: **@ A3**

PROJECT No: **24100** DRAWING No: **A402** ISSUE: **A**



## DA PLANS

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A	DA PLANS	LM	16.05.25		<div><div>ADDRESS:</div><div>94 Edgecliffe Boulevard Collaroy Plateau</div></div> <div><div>DRAWING:</div><div>11am Winter Shadow Diagram</div></div> <div><div>DRAWN:</div><div>Author</div></div> <div><div>SCALE:</div><div>@ A3</div></div> <div><div>PROJECT No:</div><div>24100</div></div> <div><div>DRAWING No:</div><div>A403</div></div> <div><div>ISSUE:</div><div>A</div></div>				

## DA PLANS

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A	DA PLANS	LM	16.05.25								



DA PLANS

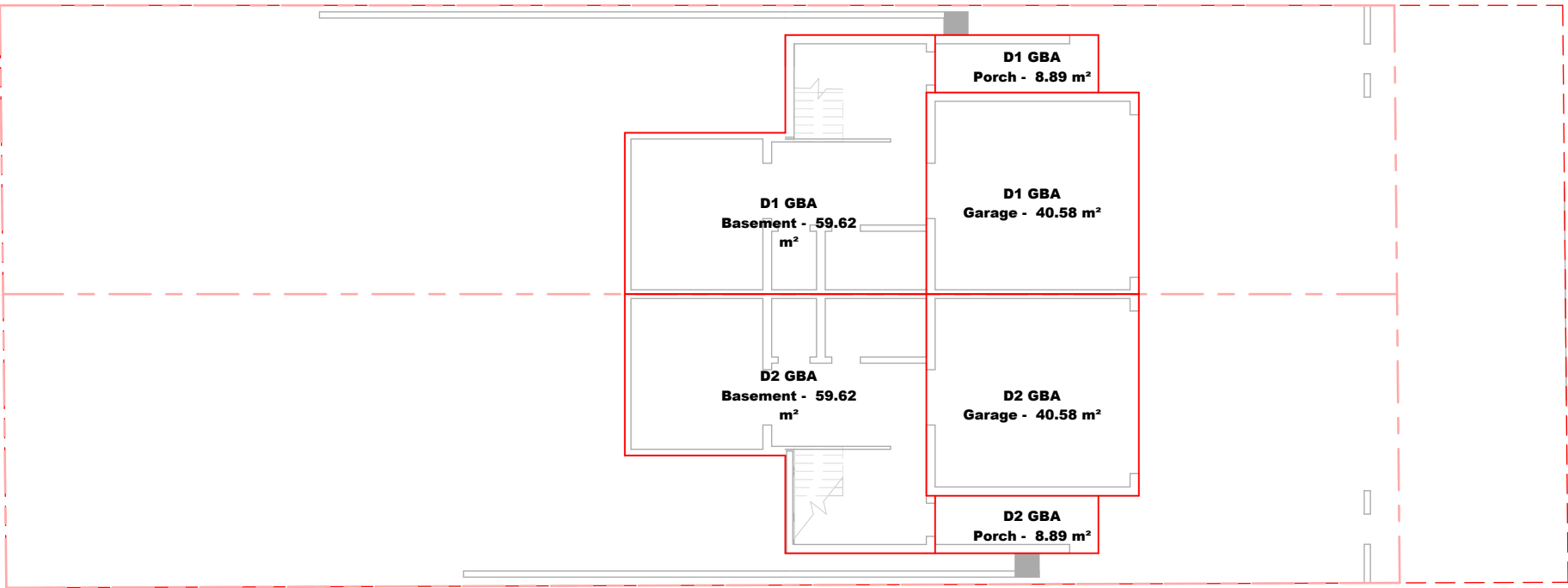
Rev	Revision	By	Date										
A	DA PLANS	LM	16.05.25										
				</									

DA PLANS

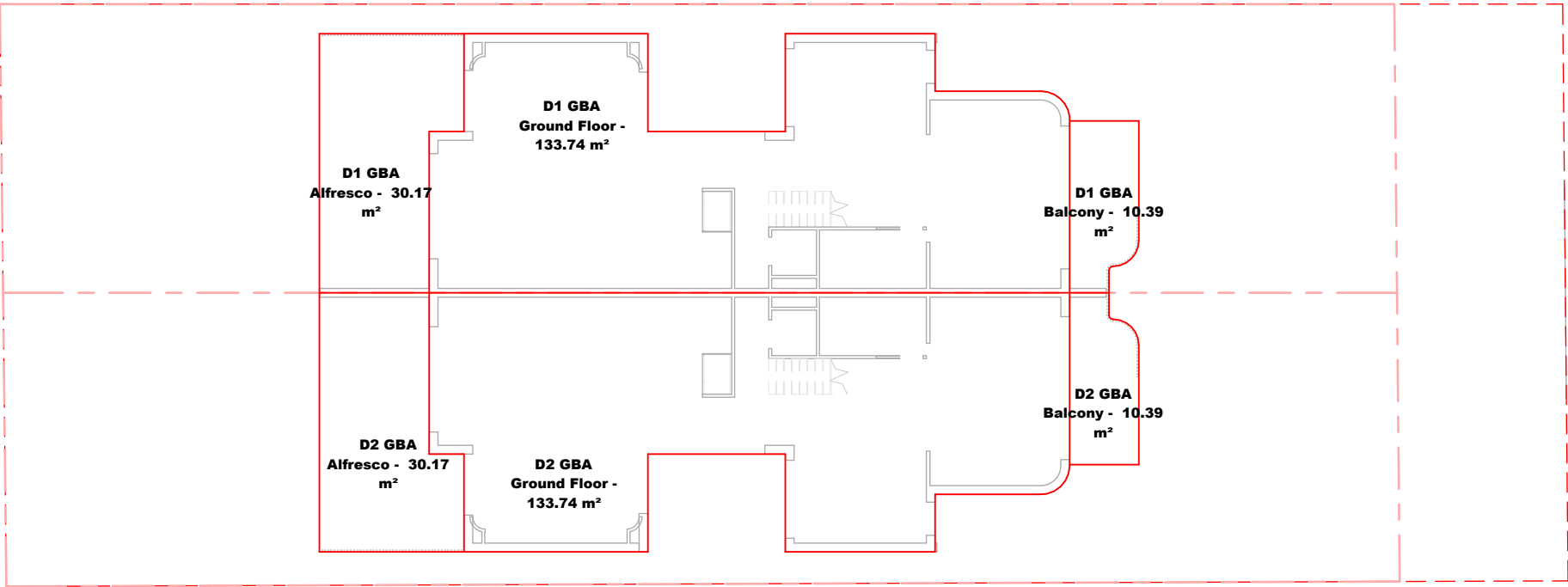


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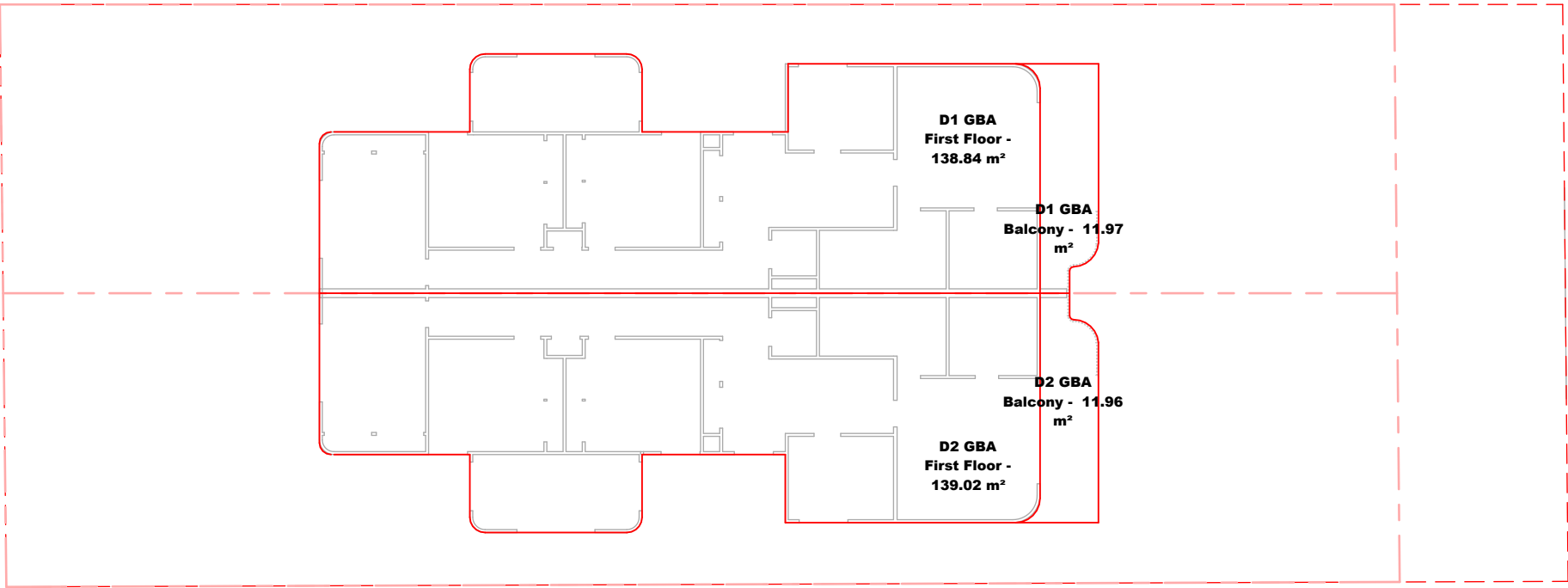
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A	DA PLANS	LM	16.05.25								



GBA Basement Floor  
SCALE: 1 : 200 @ A3



GBA Ground Floor  
SCALE: 1 : 200 @ A3



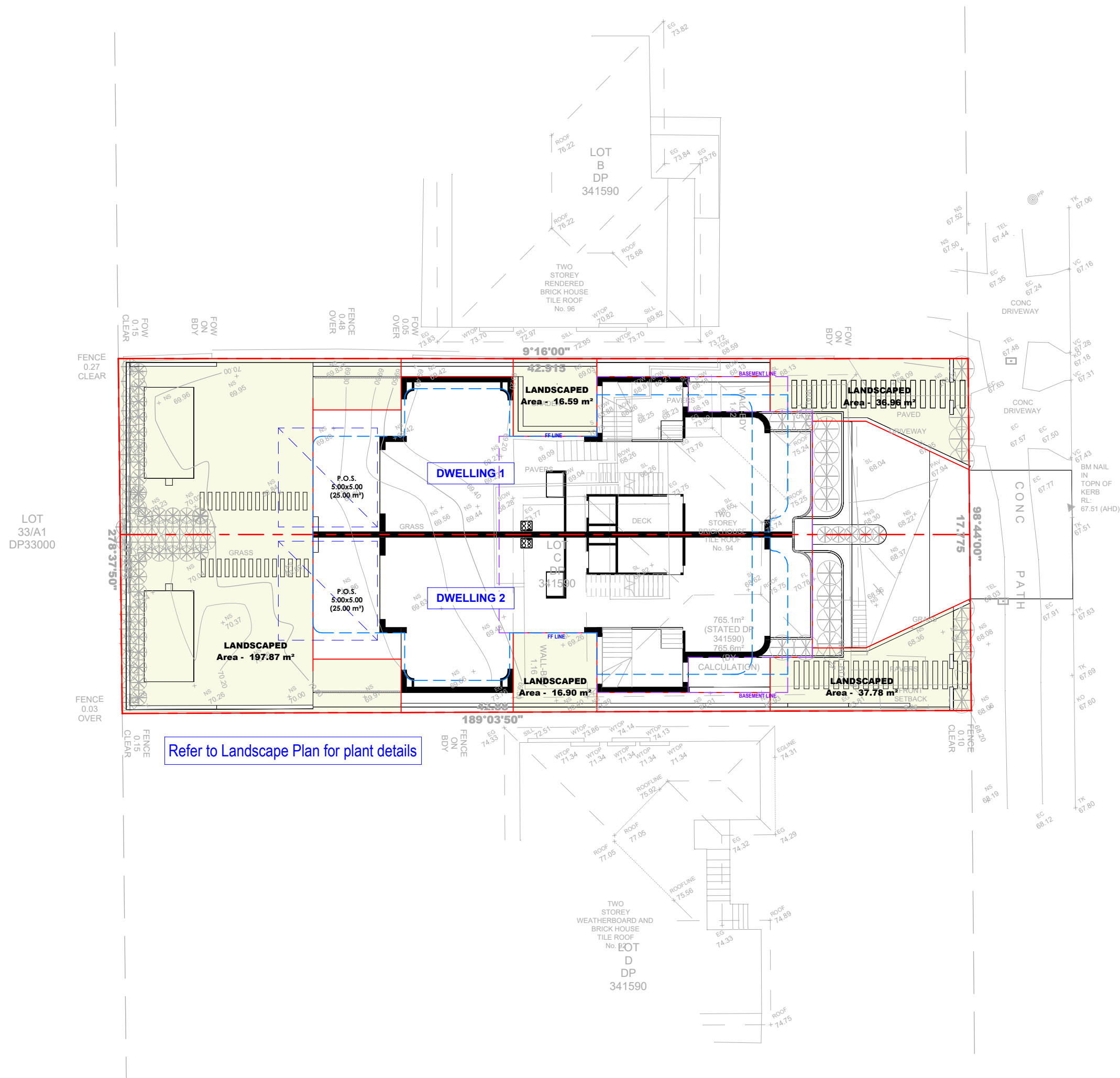
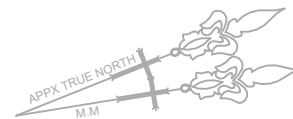
GBA First Floor  
SCALE: 1 : 200 @ A3

94 Edgecliffe Boulevard Collaroy - DA CONTROLS
SITE AREA: 765.73m <sup>2</sup>
LOT WIDTH AT BUILDING LINE (m): 17.810m

GROSS BUILDING AREA (GBA)	
Name	Areas
Ground Floor	133.74 m <sup>2</sup>
First Floor	138.84 m <sup>2</sup>
Garage	40.58 m <sup>2</sup>
Basement	59.62 m <sup>2</sup>
Porch	8.89 m <sup>2</sup>
Alfresco	30.17 m <sup>2</sup>
Balcony	10.39 m <sup>2</sup>
Balcony	11.97 m <sup>2</sup>
D1 GBA	434.20 m <sup>2</sup>

GROSS BUILDING AREA (GBA)	
Name	Areas
First Floor	139.02 m <sup>2</sup>
Ground Floor	133.74 m <sup>2</sup>
Garage	40.58 m <sup>2</sup>
Basement	59.62 m <sup>2</sup>
Porch	8.89 m <sup>2</sup>
Alfresco	30.17 m <sup>2</sup>
Balcony	10.39 m <sup>2</sup>
Balcony	11.96 m <sup>2</sup>
D2 GBA	434.37 m <sup>2</sup>
Grand total	868.57 m <sup>2</sup>





EDGECLIFFE BOULEVARD

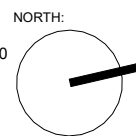
Site Compliance  
SCALE: 1 : 200 @ A3

LANDSCAPE COMPLIANCE	
Landscape Location	Areas
Area	197.87 m <sup>2</sup>
Area	16.59 m <sup>2</sup>
Area	16.90 m <sup>2</sup>
Area	37.78 m <sup>2</sup>
Area	36.96 m <sup>2</sup>
LANDSCAPED	306.10 m <sup>2</sup>
LANDSCAPING TOTAL	306.10 m <sup>2</sup> 40%

DA PLANS

Rev	Revision	By	Date
A	DA PLANS	LM	16.06.25
B	MARKUPS	LM	09.06.25
D	ATTACHED NATHERS & BASIX	LM	18.06.25

SCALE BAR:  
0 4000 8000 12000  
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CLIENT:  
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ADDRESS:  
**94 Edgecliffe Boulevard Collaroy Plateau**

PROJECT:  
**Proposed Duplex with Basement**  
DRAWING:  
**Site Compliance**

DESIGNER:  
**BW**  
DRAWN:  
**BW**

DATE: 24/06/25  
SCALE: 1 : 200 @A2  
PROJECT No: 24100 DRAWING No: A504 ISSUE: D










Nationwide House Energy Rating Scheme™ NATHERS® Certificate No. 70ZTYUR28-01		Thermal performance star rating	
Generated on 16 Jun 2025 using FirstRate®: 5.5.6a (3.22)			
<b>Property</b>	D1, 144 Eppih Road, Colony Palms NSW, 2097 C/DSP4159D NCC Class* Floor/Floors Type Home	The number 7 stars indicates the thermal performance rating.	
<b>Plans</b>	Rev B DD		
<b>Prepared by</b>			
<b>Construction and environment</b>		<b>29.8 MJ/m²</b> <small>Produced at actual energy by heating and cooling based on standard incidence assumption</small>	
<b>Assessed floor area (m²)</b>	<b>Exposure type</b>	<b>www.nathers.gov.au</b> <small>The national authority on energy efficiency ratings</small>	
Conditioned* 245.5	Suburban		
Unconditioned† 43.1	Northerly climate zone		
Total 308.6	56 Metres AOM		
Garage 30.6			
Accredited assessor		<b>Thermal performance (MJ/m²)</b> Limits taken from AS/NZS Standard 2902	
Name Prashanth Chikana		<b>Modelled</b>	<b>Heating</b> <b>Cooling</b>
Business name EMAIL & DAVID		Limits 1.2	12.6
Email info@emdaenergy.com.au		Load limits N/A	N/A
Phone 08456911590		<b>Features determining load limits</b>	
Fax 101725		Floor type N/A	
Accreditation Organisation (BSCA) (Bewest conditioned area)		NCC climate zone 1 or 2 N/A	
Assessor Accrediting Organisation (ASCA) Outdoor living area ceiling fan N/A		Outdoor living area ceiling fan N/A	
Declaration of interest No			
<b>NCC Requirements</b>		<b>Whole of Home performance rating</b>	
NCC provisions Volume 2			
State territory variation Yes			
<b>National Construction Code (NCC) requirements</b>		<b>No Whole of Home performance rating generated for this certificate</b>	
The NCC allows the use of NATHERS accredited software to comply with the energy efficiency requirements for houses (Classes 1, 1.1a buildings and apartments (Class 2) single occupant units and Class 4 parts of buildings). The applicable requirements for houses are outlined in Specification C-4 of NCC Volume Two. For apartments the requirements are detailed in clauses J203 and J210 of NCC Volume One.			
This assessment included enhanced thermal modelling requirements for houses and apartments. It also includes a measure of annual energy use per m² which can be used as a guide to which projects require more attention.			
Additional information: All NCC technical measures and supporting evidence must be included in each job pack v1.0.			
For further information see additional NCC energy efficiency requirements may apply to some states and territories.			
<b>Verification</b>		<b>Verification</b>	
To verify this certificate, scan the QR code below with your smartphone. Go to <a href="#">www.ncc.gov.au/qr-code</a> or visit <a href="#">http://ncc.gov.au/qr-code</a> . If when given every link, ensure you are visiting <a href="#">www.ncc.gov.au</a> .			




NCC

CERTU-UR20-01

NCC

7 Star Rating as of 16 Jun 2024



# About the ratings

## Thermal performance rating

NCC's thermal analysis models the expected heating and cooling energy loads using information about the design, construction and common patterns of household use. The thermal performance rating (shown as a star rating on this Certificate) does not take into account appliances, apart from the above impacts from cooling fans.

### Whole of home performance rating

NCC's Whole of Home performance rate uses the heating and cooling energy loads combined with the energy performance of the home's appliances (heating, cooling, hot water, lighting, pools/pump and on-site renewable energy generation and storage) and models the expected energy value\* of the whole home. The Whole of Home performance rating is shown as a score out of 100 on this Certificate.

### Heating & Cooling Load Limits

#### Additional information

In some locations under the NCC NHERS pathway, separate heating and cooling loads may apply. Minimum required star ratings in northern parts of Australia may also be affected by the presence or absence of an outdoor living area and/or an outdoor living area ceiling fan. Refer to the ACCI NCC NHERS heating and cooling load limits (Standard 2022) for details or contact the relevant local building certifying authority, noting that State and Territory variations may also apply.

#### Setting options:

Floor type  
 CSIOG – Concrete Slab on Ground  
 SF – Suspended Floor (or a mixture of CSIOG and SF)  
 NA – Not Applicable  
 NCC concrete Slab 1 or 2

Yes  
 No  
 Outdoor living area:

Yes  
 No  
 NA – not applicable

Outdoor living area ceiling fan:

Yes  
 No  
 NA – not applicable

# Predicted Whole of Home annual impact by appliance

Shows the contribution each appliance has on the home's annual energy use, greenhouse gas emissions and cost without solar.

## Energy use:

No Whole of Home performance assessment conducted for this certificate.


## Greenhouse gas emissions:

No Whole of Home performance assessment conducted for this certificate.

## Cost:

No Whole of Home performance assessment conducted for this certificate.

## Graph key:



Predicted onsite renewable energy impact

No Whole of Home performance assessment conducted for this certificate.

No legacy

Issued on 16 Jun 2025 using Software: 5.54 54a 2022 (CC-PP5010-01), 94 064262 (Boulevard, Colwyn Park), NCCV, 2007

3 of 3

[illegible][illegible]

Room		Zone	Area (m <sup>2</sup> )
Basement	garage	35.8	
Laundry	dayTime	5.8	
CELLER	unconditioned	19.4	
Basement Entry Hallway	dayTime	24.7	
IR	dayTime	24.7	
Living	living	23.1	
Bath	dayTime	5.8	
Kitchen/Living/Dining	kitchen	56.2	
Ground Entry Hallway	dayTime	29.8	
LPT1	dayTime	2.4	
Master's Bath	unconditioned	8.2	
Masterbed	bedroom	18.4	
WIR Masterbed	nightTime	7.8	
ENS Masterbed	nightTime	6.4	
Update Hallway	dayTime	28.8	
Bea2	bedroom	13.8	
Bea3	bedroom	13.7	
Bea4	bedroom	14.8	
Vo6	double/half/void	11.7	
IR 2	dayTime	2.3	

Window and glazed door type and performance

Default window Substitution tolerance ranges

Window ID Window description Maximum U-value\* SHGC\* SHGC lower limit SHGC upper limit

No Data Available

Custom window Substitution tolerance ranges

Window ID Window description Maximum U-value\* SHGC\* SHGC lower limit SHGC upper limit

AWIS-013-54 A 64 1942 N Sliding Door DO 008\_AGS PLUS CF 4\_L2\_4 2.97 0.5 0.48 0.53

AWIS-07-32 A RES SERIES IR4 FIXED WINDOW DO 440001234-440001234-440001234-440001234 2.71 0.53 0.5 0.56

AWIS-035-32 B 728 Thermal Heat Aiming Window DO 31224/3ET 2.93 0.48 0.43 0.47

Refer to glossary

Updated on 16 June 2020 using FreeRad6: 5.5.6 (3.32) for C/DP4-1990, D4, All Edgework Boulevard, Colsony Penne, NSW, 2007


Page 4


Certificate		7 Star Rating as of 16 Jun 2025						
Window and glazed door schedule								
Location	Window ID	Window description	Height [mm]	Width [mm]	Window type	Opening %	Orientation	Window shading device <sup>1</sup>
Lounge	AWS-015-S4	D59	2600	4400	sliding	45.0	N	No
Kohlen/Lungi-Dining	AWS-015-S4	D11	2400	3800	sliding	60.0	W	No
Kohlen/Lungi-Dining	AWS-071-S2	D11A	2400	1830	fixed	0.0	N	No
Kohlen/Lungi-Dining	AWS-015-S4	D12	2400	1800	sliding	45.0	S	No
Kohlen/Lungi-Dining	AWS-015-S4	D13	2400	3200	sliding	45.0	S	No
Ground Entry Hallway	AWS-071-S2	W1	1500	1020	fixed	0.0	N	No
Ground Entry Hallway	AWS-071-S2	W2	2400	2400	fixed	0.0	S	No
Upstairs Bath	AWS-032-B	W4	1500	1500	awning	80.0	W	No
MasterBed	AWS-015-S4	D14	2400	3200	sliding	45.0	N	No
END MasterBed	AWS-032-B	W5	2100	2400	awning	80.0	N	No
Upstairs Hallway	AWS-032-B	W5	2100	1200	awning	80.0	N	No
Bed3	AWS-032-B	W6	2100	1200	awning	80.0	W	No
Bed3	AWS-032-B	W10	2100	1200	awning	80.0	W	No
Bed4	AWS-032-B	W11	1200	2400	awning	80.0	S	No
Void	AWS-071-S2	W4	2100	1500	fixed	0.0	S	No
Void	AWS-071-S2	W7	2100	1500	fixed	0.0	N	No
Void	AWS-071-S2	W8	2100	2400	fixed	0.0	W	No
Roof window* type and performance value								
Default* roof windows								
Window ID	Window description		Maximum U-value*		SHGC*		Substitution tolerance ranges	
Window ID	No Data Available						SHGC lower limit SHGC upper limit	
Custom* roof windows								
Window ID	Window description		Maximum U-value*		SHGC*		Substitution tolerance ranges	
Window ID	No Data Available						SHGC lower limit SHGC upper limit	
Velux-VL01-01 W	VELUX FS - Fixed Skylight DG 3mm Lx 960 Bx 8mm argon Gap 5.5mm Clear Glass		2.58	0.24	0.23	0.25		
Roof window* schedule								


Netto 6 pages

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Page 6

T02TU0UR28-61 Nushfers Certificate						7 Star Rating as of 16 June 2025							
Location	Window ID	Window no.	Opening Area [m <sup>2</sup> ]	Width [mm]	W	Orientation	Outdoor shade	Indoor shade					
WIR MasterBed	VELUX VEL-011-01 W	W15	0.0	0.5	0	W	None	None					
Upstairs Hallway	VELUX VEL-011-01 W	W12	0.0	0.5	0	W	None	None					
Upstairs Hallway	VELUX VEL-011-01 W	W13	0.0	0.5	0	SW	None	None					
Upstairs Hallway	VELUX VEL-011-01 W	W14	0.0	0.5	0	W	None	None					
<b><i> Skylight* type and performance</i></b>													
No Data Available			Skylight description			Skylight shaft reflection							
<b><i> Skylight* schedule</i></b>													
Location	Skylight ID		Skylight No.		Skylight shaft length [mm]	Area [m <sup>2</sup> ]	Orientation	Outdoor shade	Diffuser				
No Data Available													
<b><i> External door schedule</i></b>													
Location	Height [mm]		Width [mm]		Opening %		Orientation						
Basement	2100		5000		100.0 %		N						
Basement Entry Hallway	2400		1020		100.0 %		N						
<b><i> External wall type</i></b>													
Wall ID	Wall type	Solar absorptance	Wall shade [colour]	Light	Bulk insulation [R-value]	Reflective wall wrap*							
1	FRS - Concrete Block Solid/Core Filled	0.5	Medium	Medium	Glass fibre batt: R2.5 (R2.5)	No							
2	FRS - Concrete Block Solid/Core Filled	0.5	Medium	Medium	Glass fibre batt: R2.5 (R2.5)	No							
3	WALL-011 - WALL-BASEMENT	0.5	Medium	Medium	Polyurethane rigid foamed panel: R2.0 (R2.0)	Yes							
4	EX-011 - RENDER	0.3	Light	Light	Glass fibre batt: R2.5 (R2.5)	No							
5	WALL-01 - DOUBLE BRICK	0.5	Medium	Medium	Medium	No							
6	WALL-01 - HABREL	0.3	Light	Glass fibre batt: R2.5 (R2.5)	Yes								
<b><i> External wall schedule</i></b>													
Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading features* maximum projection [mm]		Vertical shading features* (yes/no)						
Basement	1	2400	6148	E	0	0	No						
Basement	2	2400	5785	N	0	0	No						

TGTU/H2R2-01 MathERS Certificate						7 Star Rating as of 16 Jun 2025	
Basement	2	2400	6129	W	0	Yes	
Laundry	1	2400	3280	E	0	No	
CELLER	3	2400	4187	W	0	No	
CELLER	1	2400	4621	S	0	No	
CELLER	1	2400	4230	E	0	No	
Basement Entry Hallway	2	2400	1764	N	0	Yes	
Basement Entry Hallway	3	2400	4059	W	0	No	
Basement Entry Hallway	3	2400	3015	S	0	No	
Basement Entry Hallway	3	2400	696	W	0	Yes	
IR	2	2400	1561	E	0	No	
Lounge	4	2700	3449	W	911	Yes	
Lounge	5	2700	4021	E	0	No	
Lounge	4	2700	5317	N	2134	Yes	
Lounge	4	2700	259	N	0	No	
Lounge	4	2700	252	NW	0	No	
Lounge	4	2700	258	NN	0	Yes	
Bath	5	2700	3268	E	0	No	
Kitchen/Living/Dining	5	2700	9013	E	0	No	
Kitchen/Living/Dining	4	2700	2849	W	0	Yes	
Kitchen/Living/Dining	4	2700	3009	N	0	Yes	
Kitchen/Living/Dining	4	2700	5044	W	0	Yes	
Kitchen/Living/Dining	4	2700	3014	S	0	Yes	
Kitchen/Living/Dining	4	2700	1071	W	0	Yes	
Kitchen/Living/Dining	4	2700	4539	S	3433	Yes	
Ground Entry Hallway	4	2700	1781	N	2610	Yes	
Ground Entry Hallway	4	2700	4056	W	0	Yes	
Ground Entry Hallway	4	2700	3013	S	0	Yes	
Ground Entry Hallway	4	2700	1828	W	0	Yes	
Ground Entry Hallway	5	2700	1033	E	0	No	
LF11	5	2700	1364	E	0	No	
Upstairs Bath	6	2700	2107	S	0	Yes	
Upstairs Bath	6	2700	3228	W	0	Yes	
MasterBed	6	2700	3700	N	1668	Yes	
MasterBed	6	2700	217	N	0	No	
MasterBed	6	2700	239	N	0	No	
MasterBed	6	2700	209	NW	0	No	
MasterBed	6	2700	268	NW	0	No	
MasterBed	6	2700	3580	W	0	No	
WIR MasterBed	5	2700	3887	E	0	No	

702TU-12R-01 NatHERS Certificate					7 Star Rating as of 16 Jun 2025			
Ends Mastered	5	2700	2690	E	0	No		
Ends Mastered	6	2700	2379	N	801	Yes		
Void	5	2700	10441	E	0	No		
Void	6	2700	2468	W	0	Yes		
Bed2	6	2700	1888	W	0	Yes		
Bed3	6	2700	1360	W	0	Yes		
Bed4	6	2700	3153	W	0	Yes		
Bed4	6	2700	4709	S	283	Yes		
Bed4	5	2700	3151	E	0	No		
Void	6	2700	100	W	0	No		
Void	6	2700	101	W	0	No		
Void	6	2700	151	SW	0	Yes		
Void	6	2700	147	SW	0	Yes		
Void	6	2700	2652	S	0	Yes		
Void	6	2700	1915	N	0	Yes		
Void	6	2700	131	N	0	Yes		
Void	6	2700	156	N	0	Yes		
Void	6	2700	159	NW	0	Yes		
Void	6	2700	163	NW	0	Yes		
Void	6	2700	4340	W	0	No		
IR 2	5	2700	1315	E	0	No		

Internal wall type				Area [m²]		Bulk insulation	
Wall ID	Construction	Area [m²]	Insulation	R-value	U-value	Area [m²]	U-value
1	FRS - Concrete Block Slab/Core Filled	39.7				Glass fibre batt: R2.5 (R2.5)	
2	FRS - Internal Plasterboard Stud Wall	149.2				Glass fibre batt: R2.0 (R2.0)	
3	FRS - Internal Plasterboard Stud Wall	27.5					

Floor type					
Location	Construction	Area [m²]	Sub-floor ventilation	Added insulation [R-value]	Covering
Basement	FRS - CSIRO: Slab on Ground	10.5	Enclosed	R2.0	none
Basement	FRS - CSIRO: Slab on Ground	25.1	Enclosed	R2.0	none
Laundry	FRS - CSIRO: Slab on Ground	5.8	Enclosed	R2.0	Tiles
CELLER	FRS - CSIRO: Slab on Ground	19.4	Enclosed	R2.0	none
Basement Entry Hallway	FRS - CSIRO: Slab on Ground	24.7	Enclosed	R2.0	none

7star URB20-01 NaHsE Certificate		7 star Rating as of 16 Jun 2025	
it	FRS - CSOG- Slab on Ground	2.4	Enclosed R2.0 Timber
Lounge	FRS - 150mm concrete slab Lined	23.1	Enclosed R2.5 none
Bath	FRS - 150mm concrete slab Lined	5.8	Enclosed R2.5 Tiles
Kitchen/Living/D-ining	FRS - 150mm concrete slab Lined	15.2	Enclosed R2.5 none
Kitchen/Living/D-ining	FRS - CSOG- Slab on Ground	2.6	Enclosed R2.0 none
Kitchen/Living/D-ining	FRS - CSOG- Slab on Ground	38.4	Enclosed R2.0 none
Ground Entry Hallway	FRS - 150mm concrete slab Lined	2.3	Enclosed R2.5 none
Ground Entry Hallway	FRS - 150mm concrete slab Lined	27.5	Enclosed R2.5 none
LIFT1	FRS - 150mm concrete slab Lined	2.4	Enclosed R2.5 Tiles
Upstairs Bath	FRS - Timber Lined	8.2	Enclosed R2.5 Timber
MasterBed	FRS - Timber Lined	2.3	Elevated R2.5 Timber
MasterBed	FRS - Timber Lined	16	Enclosed R2.5 Timber
Wet MasterBed	FRS - Timber Lined	7.8	Enclosed R2.5 Timber
END MasterBed	FRS - Timber Lined	4.4	Enclosed R2.5 Tiles
Upstairs Hallway	FRS - Timber Lined	28.8	Enclosed R2.5 Timber
Bed2	FRS - Timber Lined	13.8	Enclosed R2.5 Timber
Bed3	FRS - Timber Lined	13.7	Enclosed R2.5 Timber
Bed4	FRS - Timber Lined	14.8	Enclosed R2.5 Timber
Void	No Floor	11.7	Enclosed R2.5 No Floor
it2	FRS - Timber Lined	2.3	Enclosed R2.5 Timber (Mountain ash)

### Check type

Location	Construction material/type	Bulk insulation R-value (may include edge batt value)	Reflective wrap <sup>a</sup>
Basement	FRS - 150mm concrete slab Lined	R2.5	No
Laundry	FRS - 150mm concrete slab Lined	R2.5	No
Ceiling	FRS - 150mm concrete slab Lined	R2.5	No
Basement Entry Hallway	FRS - 150mm concrete slab Lined	R2.5	No
it	FRS - 150mm concrete slab Lined	R2.5	No

<sup>a</sup> Refer to [p. 6](#) to [p. 9](#) of the [Technical Manual](#) for more information on the requirements for reflective wrap.

<sup>b</sup> The [Technical Manual](#) provides information on the requirements for the construction of the building envelope, including the use of reflective wrap.

<sup>c</sup> The [Technical Manual](#) provides information on the requirements for the construction of the building envelope, including the use of reflective wrap.

<sup>d</sup> The [Technical Manual](#) provides information on the requirements for the construction of the building envelope, including the use of reflective wrap.

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DCTV1UR28-61 NuHERS Certificate			7 Star Rating as of 16 Jun 2025		
					
Lounge		FRS - Timber Lined	R2.5		No
Lounge		Plasterboard	R2.0		No
Bath		FRS - Timber Lined	R2.5		No
Kitchen/Living/Dg. entry		FRS - Timber Lined	R2.5		No
Kitchen/Living/Dg. entry		FRS - Timber Lined	R2.5		No
Kitchen/Living/Dg. entry		Plasterboard	R7.0		Yes
Ground Entry Hallway		FRS - Timber Lined	R2.5		No
Ground Entry Hallway		FRS - Timber Lined	R2.5		No
LF1T1		FRS - Timber Lined	R2.5		No
Upstairs Bath		Plasterboard	R7.0		Yes
MasterBed		Plasterboard	R7.0		Yes
MasterBed		Plasterboard	R7.0		Yes
WR MasterBed		Plasterboard	R7.0		Yes
ENS MasterBed		Plasterboard	R7.0		Yes
Upstairs Hallway		Plasterboard	R7.0		Yes
Bed2		Plasterboard	R7.0		Yes
Bed3		Plasterboard	R7.0		Yes
Bed3		Plasterboard	R7.0		Yes
Void		Plasterboard	R7.0		Yes
IR.2		Plasterboard	R7.0		Yes



Ceiling penetrations*					
Location	Quantity	Type	Height [mm]	Width [mm]	Sealed/unsealed
Lounge	1	Exhaust Fans	250	250	Sealed
Laundry	1	Downlights	100	100	Sealed
CELLER	2	Downlights	100	100	Sealed
Basement Entry Hallway	4	Downlights	100	100	Sealed
lit	1	Downlights	100	100	Sealed
Lounge	4	Downlights	100	100	Sealed
Kitchen/Living/Dining	10	Downlights	100	100	Sealed
Upstairs Entry Hallway	4	Downlights	100	100	Sealed
Upstairs Bath	1	Exhaust Fans	250	250	Sealed
MasterBed	4	Downlights	100	100	Sealed
WR MasterBed	1	Downlights	100	100	Sealed
ENS MasterBed	1	Exhaust Fans	250	250	Sealed
Upstairs Hallway	5	Downlights	100	100	Sealed
Bed3	2	Downlights	100	100	Sealed
Bed3	2	Downlights	100	100	Sealed

<b>QZTVUR28-01 Netherlens</b>			7 Star Rating as of 16 Jun 2025											
Certificate														
Isoed	2	Dawnlights	100	100	Sealed									
R 2	1	Dawnlights	100	100	Sealed									
<b>Ceiling fans</b>														
Location				Quantity	Diameter [mm]									
No Data Available														
<b>Roof type</b>														
Construction	Added insulation [R-value]		Solar absorbance	Roof shade [colour]										
Framed Flat - Framed Metal Deck)	0.0		0.5	Medium										
Ceil: Ceiling			0.5	Medium										
Framed Flat - Framed Metal Deck)	1.8		0.3	Light										
<b>Thermal bridging schedule for steel frame elements</b>														
Building element	Steel section dimensions [height x width, mm]		Frame spacing [mm]	Steel thickness [BMT,mm]	Thermal break [R-value]									
No Data Available														
<b>Apliance schedule</b>														
Not applicable if A Whole of Home performance assessment is not conducted for this certificate) A full assumption of 50W/m <sup>2</sup> is used for lighting, therefore lighting is not included in the appliance schedule.														
<b>Cooling system</b>														
Appliances/system type	Location	Fuel type		Minimum efficiency/ performance	Recommended capacity									
No Whole of Home performance assessment conducted for this certificate.														
<b>Heating system</b>														
Appliances/system type	Location	Fuel type		Minimum efficiency/ performance	Recommended capacity									
No Whole of Home performance assessment conducted for this certificate.														
<b>Hot water system</b>														
Appliances/system type	Fuel type		Minimum efficiency/ performance	Hot Water CER Zone	Zone 3 STC	Assessed daily load								
No Whole of Home performance assessment conducted for this certificate.														
<b>Holtsips equipment</b>														
Appliances/system type	Fuel type		Minimum efficiency/ performance	Recommended capacity										
No Whole of Home performance assessment conducted for this certificate.														

702TUUVUR28-61 NASHHERS Certificate		7 Star Rating as of 16 Jun 2025	
<b>Onsite renewable energy schedule</b> (not applicable if a Whole of Home performance assessment is not conducted for this certificate)			
System type	Orientation	System size or generation capacity	
No Whole of Home performance assessment conducted for this certificate.			
<b>Battery schedule</b> (not applicable if a Whole of Home performance assessment is not conducted for this certificate)			
System type	Size (battery storage capacity)		
No Whole of Home performance assessment conducted for this certificate.			

[illegible]

TO2TUYUR23-01 NatHERS		7 Star Rating as of 16 June 2025	
<b>876Cs</b>	<p>Final code Technology Certification, certificates issued by the NRC registry for renewable energy technologies that may be brought into compliance with the final code.</p> <p>and each of the final code Renewable Energy Specified (RES) Code Group (REG),</p> <p>no materials with an air-seal greater than or equal to 0.2 mPa must separate the main frame from the cladding. This includes, but is not limited to, panels of air-seal greater than or equal to 20mm thick, continuous thermal breaks with an air-seal</p> <p>insulation sheathing, glass edge or facing elements.</p> <p>breaks of fast-track through a window.</p> <p>The lowest of the lowest, the lowest the lowest.</p>		
<b>Thermal breaks</b>	<p>no materials with an air-seal greater than or equal to 0.2 mPa must separate the main frame from the cladding. This includes, but is not limited to, panels of air-seal greater than or equal to 20mm thick, continuous thermal breaks with an air-seal</p> <p>insulation sheathing, glass edge or facing elements.</p> <p>breaks of fast-track through a window.</p> <p>The lowest of the lowest, the lowest the lowest.</p>		
<b>Unsealed</b>	<p>no materials with an air-seal greater than or equal to 0.2 mPa must separate the main frame from the cladding. This includes, but is not limited to, panels of air-seal greater than or equal to 20mm thick, continuous thermal breaks with an air-seal</p> <p>insulation sheathing, glass edge or facing elements.</p> <p>breaks of fast-track through a window.</p> <p>The lowest of the lowest, the lowest the lowest.</p>		
<b>Unsealed</b>	<p>no materials with an air-seal greater than or equal to 0.2 mPa must separate the main frame from the cladding. This includes, but is not limited to, panels of air-seal greater than or equal to 20mm thick, continuous thermal breaks with an air-seal</p> <p>insulation sheathing, glass edge or facing elements.</p> <p>breaks of fast-track through a window.</p> <p>The lowest of the lowest, the lowest the lowest.</p>		
<b>Vertical shading devices</b>	<p>no materials with an air-seal greater than or equal to 0.2 mPa must separate the main frame from the cladding. This includes, but is not limited to, panels of air-seal greater than or equal to 20mm thick, continuous thermal breaks with an air-seal</p> <p>insulation sheathing, glass edge or facing elements.</p> <p>breaks of fast-track through a window.</p> <p>The lowest of the lowest, the lowest the lowest.</p>		
<b>Window shading devices</b>	<p>no materials with an air-seal greater than or equal to 0.2 mPa must separate the main frame from the cladding. This includes, but is not limited to, panels of air-seal greater than or equal to 20mm thick, continuous thermal breaks with an air-seal</p> <p>insulation sheathing, glass edge or facing elements.</p> <p>breaks of fast-track through a window.</p> <p>The lowest of the lowest, the lowest the lowest.</p>		

<table border="1"> <thead> <tr> <th>Rev</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>DA PLANS</td> <td>LM</td> <td>16.05.25</td> </tr> <tr> <td>B</td> <td>MARKUPS</td> <td>LM</td> <td>09.06.25</td> </tr> <tr> <td>D</td> <td>ATTACHED NATHERS &amp; BASIX</td> <td>LM</td> <td>18.06.25</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Rev	Revision	By	Date	A	DA PLANS	LM	16.05.25	B	MARKUPS	LM	09.06.25	D	ATTACHED NATHERS & BASIX	LM	18.06.25																									<p>SCALE BAR:</p> <p>NORTH:</p>  <p>DRAWINGS BY:</p>  <p><b>DUPLEX BUILDING DESIGN</b>          Offices at: Wollongong, Kiama &amp; Ulladulla          info@duplexbuildingdesign.com          www.duplexbuildingdesign.com          Office: 02 4209 3003</p>	<p>CLIENT:</p> <p><b>Georgeski</b></p> <p>ADDRESS:</p> <p><b>94 Edgecliffe Boulevard Collaroy Plateau</b></p>	<p>PROJECT:</p> <p><b>Proposed Duplex with Basement</b></p> <p>DRAWING:</p> <p><b>NATHERS D1</b></p>	<p>DESIGNER:</p> <p><b>BW</b></p> <p>DRAWN:</p> <p><b>BW</b></p>	<p>DATE: <b>24/06/25</b></p> <p>SCALE: @A2</p> <p>PROJECT No: <b>24100</b>    DRAWING No: <b>A507</b>    ISSUE: <b>D</b></p>
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# Nationwide House Energy Rating Scheme™

## NATHERS' Certificate No. 35B2TUFUG6

Generated on 16 Jun 2020 using FreeRad™: 5.5.5a (3.22)

### Property

Address	62, 84 Edgely Road, Colony Park NSW, NSW 2097
Lot/DP	CP-CP14560
NCC Class	Class 1a
Floor/Finish Floors	New Home
Type	

### Plans

Main plan	REV B
Prepared by	DD

### Construction and environment

Assessed floor area (m <sup>2</sup> )	Exposure type
Conditioned* 245.6	suburban
Unconditioned* 63.1	Nather's climate zone
Total 308.7	50 MISCOT AMO
Garage 35.6	

### Accredited assessor

Name	Pauline Davis
Business name	PHIL & DAVID
Email	rd@pdaenergy.com.au
Phone	0800101525
Accreditation No.	1010225
Assessor Accrediting Organisation	ABSA
Declaration of interest	No

### NCC Requirements

NCC provisions	Volume 2
State/Territory variation	Yes

### National Construction Code (NCC) requirements

The NCC allows the use of NATHERS' accredited software to comply with the energy efficiency requirements for Class 1a buildings and apartments (Class 2 – one occupancy unit and Class 4 parts of buildings). The applicable requirements for houses are detailed in Specification 4.2 of NCC Volume Two. All apartments whose requirements are outlined in parts 2.2.2.1 (2019) and 2.2.2.2 (2019) of NCC Volume One.

NCC 2022 includes enhanced thermal performance provisions for houses and apartments. It now includes thermal performance and energy use targets for budget which align to the major improvement in the home.

The NCC also includes additional standards and support material that can be accessed at [www.ncc.gov.au](http://www.ncc.gov.au).

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

### Thermal performance at star rating

**7.2**  
The more stars, the better the thermal performance.

### NATIONWIDE HOUSE ENERGY RATING Scheme™

**28.2 MJ/m<sup>2</sup>**  
Predicted annual energy demand for heating and cooling based on standard assumptions.  
[www.nather.gov.au](http://www.nather.gov.au)  
[www.nather.gov.au](http://www.nather.gov.au)

### Thermal performance (MJ/m<sup>2</sup>)

Limit set from ASBEC Standard 2022

	Heating	Cooling
Modelled	14.7	13.3
Load limits	N/A	N/A

Features determining load limits

Floor type	N/A
Insulation (unconditioned area)	N/A
NCC climate zone 1 or 2	N/A
Outdoor living area	N/A
Outdoor living area ceiling fan	N/A

### Whole of home performance rating

**No Whole of Home performance rating generated for this certificate**


### Verification


To verify this certificate, scan the QR code or visit [www.ncc.gov.au](http://www.ncc.gov.au) and enter the certificate ID: "Pda35B2TUFUG6". Where you can't access the QR code, email your pass key to [verify@ncc.gov.au](mailto:verify@ncc.gov.au)

\*Refer to primary

Generated on 16 Jun 2020 using FreeRad™: 5.5.5a (3.22) for CP-CP14560, 62, 84 Edgely Road, Colony Park, NSW, 2097

Page 1 of 1


**36821UFU NatHERS Certificate**

7.2 star Rating as of 16 Jun 2021


### About the ratings

**Thermal performance rating**

Illustrates thermal performance of the expected heating and cooling energy loads using information about the design, construction, climate and common patterns of household use.

The thermal performance rating (using a star rating) on this Certificate shows the likely annual operations, apart from the air-flow impacts from ceiling fans.

**Whole of Home thermal performance rating**

Illustrates Whole of Home performance using the heating and cooling energy loads combined with the energy performance of the home's appliances and equipment, hot water, lighting, pools and other renewable energy generation and storage and models the expected energy value of the whole home. The Whole of Home performance rating is a blend as a score of up to 100 in this Certificate.

### Heating & Cooling Load Limits

In some locations under the NCC NatHERS pathway, separate heating and cooling load limits may apply. Minimum required star ratings in northern parts of Australia may also be affected by the presence or absence of an outdoor living area and/or an outdoor living area may also be under the AS/NZS/NatHERS heating and cooling load limits. Standard 2022 for details on the current relevant loads may be found in the AS/NZS/NatHERS heating and cooling load limits. See also the State and Territory variations for this application.

**Setting options:**

Door type:  
CSO2 – Concrete Slab on Ground  
SF – Suspended Floor (or a mixture of CSO2 and SF)  
NA – Not Applicable

HCC climate Zone 1 or 2:  
Yes  
No  
NA – not applicable

Outdoor living area:  
Yes  
No  
NA – not applicable

Outdoor living area ceiling fan:  
Yes  
No  
NA – not applicable

**Predicted onsite renewable energy impact**

No Whole of home performance assessment conducted on this certificate.

### Predicted Whole of Home annual impact by appliance

Shows the contribution each appliance has on the home's annual energy use, greenhouse gas emissions and cost of energy.

**Energy use:**

No Whole of home performance assessment conducted on this certificate.

**Greenhouse gas emissions:**

No Whole of home performance assessment conducted on this certificate.

**Cost:**

No Whole of home performance assessment conducted on this certificate.

**Graph key:**

**After 30 January 2021**

Generated on 16 Jun 2021 using FreeRater 5.15.6 (32 bit) CP-CP04-1904, 24 Edgetool Road, Colyton Heights, Colyton, NSW, 2007

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822BFFUFG HANDBOOK Certificate		7.2 Star Rating as of 16 Jun 2021			
Certificate check		Approval stage	Construction stage		
<p>It is checked that documents provided meet regarding the dwelling's design.</p> <p>The spreadsheet contains the accuracy of the various attributes is checked.</p>		<p>Not checked</p> <p>Not checked</p> <p>Not checked</p>	<p>Not checked</p> <p>Not checked</p> <p>Not checked</p>		
<p>Note: The boxes indicate when and why should check again.</p> <p>It is not mandatory to check again.</p>		<p>Assessor checked</p> <p>Not checked</p> <p>Not checked</p>	<p>Builder checked</p> <p>Not checked</p> <p>Not checked</p>	<p>Contractor self-checked</p> <p>Not checked</p> <p>Not checked</p>	<p>Occupancy checker</p>
<b>Thermal performance check</b>					
Does this Certificate match the one available at the web address or QR code or on the app?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the HVAC/EP/ETP type number on the NABERS-stamped plans match the HVAC/EP/ETP type number on the Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Thermal performance check</b>					
<b>Windows and glazing doors</b>					
Does the window size, opening type and location shown on the NABERS-stamped plans as installed match what is shown in the Windows and glazing door schedule and HVAC/EP/ETP annex table on the Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the installed window meet the NABERS-stamped plans (HVAC/EP/ETP Annex U and V) as shown in the Windows and glazing door type and performance and HVAC/EP/ETP annex table on the Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>External walls</b>					
Does the external wall insulation (R-value) shown on the NABERS-stamped plans or installed match what is shown in the External wall table on the Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the external wall shade (coefficient) match what is shown in the External wall table on the Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Floor</b>					
Does the floor insulation (R-value) shown in the NABERS-stamped plans as installed match what is shown in the Floor type table on the Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Ceiling performance</b>					
Does the ceiling type and type of ceiling construction (e.g. double-glazed, insulated tiles, etc.) shown in the NABERS-stamped plans as installed match what is shown in the Ceiling type table on the Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the ceiling insulation (R-value) shown in the NABERS-stamped plans as installed match what is shown in the Ceiling type table on the Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Roof</b>					
Does the external roof shade (coefficient) on the NABERS-stamped plans as installed match what is shown in the Roof type table on the Certificate?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Agreement external doors (ENCL 2:2 Case 2:2:2 only)</b>					
Does the External Door Schedule show agreed entrance doors?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the External Door Schedule show agreed entrance doors and a shared space such as an accessibility or ramp?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the External Door Schedule show agreed entrance doors and a shared space such as an accessibility or ramp?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Entrances</b>					
Has the appropriate entrance type (entrance) shown on page 1 been accepted? For example, a veranda, a porch, a covered entrance, a 'kiosque' or a large high-side entrance is 'unacceptable'.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Heating and cooling load limits</b>					
On the last two settings (heating and cooling) on page 1, make the values in the ABCS (Standard 2021) NABERS Heating and cooling load limits to be appropriate (within 10% of the ABCS values).		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Rating to display

Generated on 16 Jun 2021 using FUELSite: 5.5.6 (3.22) for CIP-DS160-016, 2nd Ed. Eligible for NABERS, Category: Plan, NAB 2007

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	Approved stage	Construction phase	Occupancy
	Preconstruction Design Construction Occupancy	Preconstruction Design Construction Occupancy	Occupancy

### Certificate check

Continued

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**Additional NCC requirements for Thermal performance (not included in the NAHERS assessment)**

#### Thermal bridging

Does the dwelling meet the NCC requirement for Thermal bridging?

☐ ☐ ☐ ☐

#### Insulation installation method

Has the insulation been installed according to the NCC requirements?

☐ ☐ ☐ ☐

#### Battling sealing

Does the dwelling meet the NCC requirements for Battling Sealing?

☐ ☐ ☐ ☐

#### Whole of Home performance check (not applicable if a Whole of Home performance assessment is not conducted)

### Appliances

Does the cooling appliances type, location and efficiency/performance shown on the NAHERS approved plans or are installed match the location and minimum efficiency/performance requirements shown in the Appliance schedule on this Certificate?

☐ ☐ ☐ ☐

Does the heating appliances type or installed match the location and minimum efficiency/performance requirements shown in the Appliance schedule on this Certificate?

☐ ☐ ☐ ☐

Does the hot water system type and efficiency/performance shown on the NAHERS approved plans or as related match the location and minimum efficiency/performance requirements shown in the Appliance schedule on this Certificate?

☐ ☐ ☐ ☐

Does the hot pump efficiency/performance shown on the NAHERS-approved plans or as related match the location and minimum efficiency/performance requirements shown in the Appliance schedule on this Certificate?

☐ ☐ ☐ ☐

Does the electric immersion energy storage tank, ventilation and exhaust stack or generation capacity approval of the NAHERS stamped plans or related match the Code Renewable Energy Schedule on this Certificate?

☐ ☐ ☐ ☐

#### Additional NCC Requirements for Services (not included in the NAHERS assessment)

Does the lighting meet the artificial lighting additional requirements specified in the NCC?

☐ ☐ ☐ ☐

Does the hot water system meet the additional requirements specified in the NCC?

☐ ☐ ☐ ☐

#### Provisional values' check

Where provisional values have been used in the assessment and, if so, are they noted in Additional notes below? ☐ ☐

#### Other NCC requirements

Note: Two Certificates may carry over energy efficiency requirements in the NCC: Additional requirements that must also be satisfied include, but are not limited to conservation, structural and fire safety requirements and any state or territory variations to the NCC energy efficiency provisions.

#### Additional notes

Room schedule		
Room	Zone Type	Awa [m²]
Basement	garage	39.6
Laundry	dayTime	5.8
CeLLER	unconditioned	19.4
Basement Entry Hallway	dayTime	24.7
Hk	dayTime	2.4
Lounge	living	23.1
Bath	dayTime	5.8
Kitchen/Living/Dining	kitchen	56.2
Ground Entry Hallway	dayTime	29.8
LFT1	dayTime	2.4
Upstairs Bath	unconditioned	8.2
MasterBed	bedroom	18.4
WIR MasterBed	nighTime	7.8
ENS MasterBed	nighTime	6.4
Upstairs	dayTime	28.8
Bed3	bedroom	13.8
Bed4	bedroom	14.8
VoiD	doubleHeightVoid	11.7
Ht 2	dayTime	2.3


Window and glazed door type and performance					
Default* windows					
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
Custom* windows					
Window ID	Window description	Maximum U-value*	SHGC*	SHGC lower limit	SHGC upper limit
AWS-015-S4 A	S4 5042 Air Isolating Door DG 008_AOG PLUS Cx 4_12_4	2.87	0.5	0.48	0.53
AWS-071-S2 A	RHS SERIES 616 FIXED WINDOW DG 4mmCg 12-4mmDoubleFrame	2.71	0.53	0.5	0.56
AWS-035-6 B	726 Thermal Heat Sealing Window DG 63BvLM 126S6se	3.02	0.4	0.38	0.42

3582F/RUG0 Nutherts Certificate		7.2 bar Blowing as of 16 Jun 2025			
Window and glazed door <i>schedule</i>					
Location	Window ID	Window desc.	Height [mm]	Width [mm]	Window shading device
Lounge	AWIS-013-54 A	D7	2400	4400	sitting
Kitchen/Living/Dining	AWIS-013-54 A	D13	2400	3200	sitting
Kitchen/Living/Dining	AWIS-013-54 A	D12	2400	1800	sitting
Kitchen/Living/Dining	AWIS-017-32 A	D11A	2400	1300	fixed
Kitchen/Living/Dining	AWIS-013-54 A	D11	2400	3800	sitting
Grand Entry Hallway	AWIS-017-32 A	W2	2400	2400	fixed
Grand Entry Hallway	AWIS-017-32 A	W1	1500	1000	fixed
Upstairs Bath	AWIS-035-63 B	H4	1500	1500	awning
MasterBed	AWIS-035-63 B	D14	2400	3200	sitting
ENS MasterBed	AWIS-035-63 B	W3	600	2400	awning
Upstairs Hallway	AWIS-035-63 B	W5	2100	1200	awning
Bed2	AWIS-035-63 B	W6	2100	1200	awning
Bed3	AWIS-035-63 B	W10	2100	1200	awning
Bed4	AWIS-035-63 B	W11	2100	2400	awning
Void	AWIS-017-32 A	W8	2100	2400	fixed
Void	AWIS-017-32 A	W7	2100	1500	fixed
Void	AWIS-017-32 A	W9	2100	1500	fixed
Roof window <i>type and performance value</i>					
Default roof windows					
Window ID	Window description		Maximum U-value*	SHGC*	Substitution tolerance ranges SHGC lower limit SHGC upper limit
No data available					
Custom roof windows					
Window ID	Window description		Maximum U-value*	SHGC*	Substitution tolerance ranges SHGC lower limit SHGC upper limit
Velux VEL-011-01 W	VELUX F5 - Fixed Skylight Glass: 360 l 360 l 5 mm Argon Gap: 6.3mm Clear A		2.58	0.24	0.23 0.25
Roof window <i>schedule</i>					

\*Info to glaziers

Generated on 16 Jun 2025 using Pathfinder, 5.5.5a | 222 | 0-CR049160, D2, 94 Epicode Boulevard, Cotnam Park, NSW, 2097


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35B27FLUP60 NATHERS Certificate				7.2 Star Rating as of 16 Jun 2021											
Location	Window ID	Window no.	Opening Area [m <sup>2</sup> ]	Width [mm]	Orientation	Outdoor shade	Indoor shade								
Upstairs Masterbed	Velux-VL01-01	W15	0.0	0.5	0	W	None	None							
Upstairs Hallway	Velux-VL01-01	W12	0.0	0.5	0	W	None	None							
Upstairs Hallway	Velux-VL01-01	W13	0.0	0.5	0	SW	None	None							
Upstairs Masterbed	Velux-VL01-01	W14	0.0	0.5	0	W	None	None							
<b>Skylight* type and performance</b>															
Skylight Description			Skylight light reflectance												
No Data Available															
<b>Skylight* schedule</b>															
Location	Skylight ID	Skylight No.	Skylight shaft length [mm]	Area [m <sup>2</sup> ]	Orient. ation	Outdoor shade	Diffuser								
No Data Available															
<b>External door schedule</b>															
Location	Height [mm]	Width [mm]	Opening %	Orientation											
Basement Entry Hallway	2100	1000	100.0	N	N										
Basement Entry Hallway	2400	1020	100.0	N	N										
<b>Window type</b>															
Wall ID	Wall type	Solar absorbance	Window shade [colour]	Light	Build insulation (R-value)	Reflective wall material									
1	FRS - Concrete Block SolidCore Filled	0.5	Medium	Medium	Polystyrene rigid foam aggr. R2.0 (R2.0)	No									
2	WALL-01 - WALL-BASEMENT	0.5	Medium	Medium	Polystyrene rigid foam aggr. R2.0 (R2.0)	No									
3	WALL-01 - RENDER	0.3	Light	Light	Glass fibre batt. R2.5 (R2.5)	Yes									
4	WALL-01 - DOUBLE BRICK	0.5	Medium	Medium	Glass fibre batt. R2.5 (R2.5)	No									
5	EX-01 - HABEL	0.3	Light	Light	Glass fibre batt. R2.5 (R2.5)	Yes									
<b>External wall schedule</b>															
Location	Wall ID	Height [mm]	Width [mm]	Orientation	Horizontal shading feature* maximum projection [mm]	Vertical shading feature* (yes/no)									
Basement	1	2400	6129	N	0	Yes									
Basement	1	2400	5785	N	0	No									
Basement	1	2400	6148	W	0	No									

<sup>1</sup>Based on glassery


<sup>2</sup>Generated on 16 Jun 2025 using FireRate! 5.5.5a (3.22) for C:\CP541580\_D2\_84\_Edgetest\Boulevard\_Colony\_Planet\_NSW\_2067

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15271UFFGG Nutherts Certificate				7.2 Star Rating as of 16 Jun 2021		
Laundry	1	2400	3280	W	0	No
CELLER	2	2400	4220	W	0	No
CELLER	2	2400	4921	S	0	No
CELLER	2	2400	4187	E	0	No
Basement Entry Hallway	2	2400	696	E	0	Yes
Basement Entry Hallway	2	2400	3015	S	0	No
Basement Entry Hallway	2	2400	4059	E	0	No
Basement Entry Hallway	1	2400	1794	N	0	Yes
la	1	2400	1551	W	0	No
Lounge	3	2700	258	E	0	Yes
Lounge	3	2700	252	NE	0	No
Lounge	3	2700	259	NE	0	No
Lounge	3	2700	5317	N	2134	Yes
Lounge	4	2700	4021	W	0	No
Lounge	3	2700	3449	E	0	Yes
Bath	4	2700	3268	W	0	No
Kitchen/Living/Dining	3	2700	4539	S	3416	Yes
Kitchen/Living/Dining	3	2700	1701	E	0	Yes
Kitchen/Living/Dining	3	2700	3014	S	0	Yes
Kitchen/Living/Dining	3	2700	5064	E	0	Yes
Kitchen/Living/Dining	3	2700	3009	N	0	Yes
Kitchen/Living/Dining	3	2700	2849	E	0	Yes
Kitchen/Living/Dining	4	2700	9013	W	0	No
Ground Entry Hallway	4	2700	1033	W	0	No
Ground Entry Hallway	3	2700	1828	E	0	Yes
Ground Entry Hallway	3	2700	3013	S	0	Yes
Ground Entry Hallway	3	2700	4056	E	0	Yes
Ground Entry Hallway	4	2700	1728	N	0	Yes
UPFLT	4	2700	1364	W	0	No
Upstairs Bath	5	2700	3228	E	0	No
Upstairs Bath	5	2700	2107	S	0	No
MasterBed	5	2700	3550	E	0	Yes
MasterBed	5	2700	246	E	0	No
MasterBed	5	2700	289	N	0	No
MasterBed	5	2700	239	NE	0	No
MasterBed	5	2700	217	NE	0	No
MasterBed	5	2700	3700	N	1668	Yes
Wth MasterBed	4	2700	2867	W	0	No
ENd MasterBed	4	2700	2379	N	801	Yes

Note: In January 2021, Google changed the way it calculates the Star Rating. The new rating is based on the number of reviews and the average rating. The new rating is calculated as follows:  $\text{Star Rating} = \frac{\text{Average Rating} \times \text{Number of Reviews}}{\text{Number of Reviews} + 1}$ . The new rating is calculated as follows:  $\text{Star Rating} = \frac{\text{Average Rating} \times \text{Number of Reviews}}{\text{Number of Reviews} + 1}$ .

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35821FLUFG NuHearth Certificate				7.2 Star Rating as of 16 Jun 2021			
END MasterBed	4	2700	2650	W	0	No	
Upstairs Hallway	5	2700	2468	E	0	No	
Upstairs Hallway	4	2700	15441	W	0	No	
Bed1	5	2700	1688	E	0	Yes	
Bed3	5	2700	1360	E	0	No	
Bed4	4	2700	3151	W	0	No	
Bed4	5	2700	4708	S	283	Yes	
Bed4	5	2700	3153	E	0	Yes	
Void	5	2700	4340	E	0	No	
Void	5	2700	163	E	0	Yes	
Void	5	2700	159	E	0	Yes	
Void	5	2700	156	NE	0	Yes	
Void	5	2700	131	NE	0	Yes	
Void	5	2700	1915	N	0	Yes	
Void	5	2700	2002	S	0	Yes	
Void	5	2700	147	S	0	Yes	
Void	5	2700	151	SE	0	Yes	
Void	5	2700	101	SE	0	No	
Void	5	2700	100	SE	0	No	
1B2	4	2700	1315	W	0	No	

Internal wall type		Area [m²]		Bulk Insulation	
Wall ID	Wall type				
1	FBS - Concrete Block Solid/Concrete Filled	39.7	Glass fibre batt: R2.0 (R2.5)		
2	FBS - Internal Plasterboard Stud Wall	149.2	Glass fibre batt: R2.0 (R2.0)		
3	FBS - Internal Plasterboard Stud Wall	27.5			

Floor type		Sub-floor insulation		Added insulation [R-value]		Covering	
Location	Construction	Area [m²]					
Basement	FBS - CSOGB Slab on Ground	10.9	Enclosed	R2.0	none		
Basement	FBS - CSOGB Slab on Ground	25.1	Enclosed	R2.0	none		
Laundry	FBS - CSOGB Slab on Ground	5.8	Enclosed	R2.0	Tiles		
CELLAR	FBS - CSOGB Slab on Ground	19.4	Enclosed	R2.0	Tiles		
Basement Entry Hallway	FBS - CSOGB Slab on Ground	24.7	Enclosed	R2.0	Tiles		
1B	FBS - CSOGB Slab on Ground	2.4	Enclosed	R2.0	Tiles		


SBSIRUFPO NATHERS Certificate		7.2 Star Rating as of 16 Jun 2021		
Lounge	FRS - 150mm concrete slab Lined	23.1	Enclosed	R2.5 Tiles
Bath	FRS - 150mm concrete slab Lined	5.8	Enclosed	R2.5 Tiles
Kitchen/Living/Dining	FRS - 150mm concrete slab Lined	15.2	Enclosed	R2.5 Tiles
Kitchen/Living/Dining	FRS - C50G Slab on Ground	2.6	Enclosed	R2.0 Tiles
Kitchen/Living/Dining	FRS - C50G Slab on Ground	38.4	Enclosed	R2.0 Tiles
Ground Entry Hallway	FRS - 150mm concrete slab Lined	2.3	Enclosed	R2.5 Tiles
Ground Entry Hallway	FRS - 150mm concrete slab Lined	27.5	Enclosed	R2.5 Tiles
LIFT1	FRS - 150mm concrete slab Lined	2.4	Enclosed	R2.5 Timber
Upstairs Bath	FRS - Timber Lined	8.2	Enclosed	R2.5 Tiles
MasterBed	FRS - Timber Lined	2.3	Elevated	R2.5 Timber
MasterBed	FRS - Timber Lined	16	Enclosed	R2.5 Timber
MasterBed	FRS - Timber Lined	7.8	Enclosed	R2.5 Timber
ENI MasterBed	FRS - Timber Lined	6.4	Enclosed	R2.5 Tiles
Upstairs Hallway	FRS - Timber Lined	28.8	Enclosed	R2.5 Timber
FR2	FRS - Timber Lined	13.8	Enclosed	R2.5 Timber
BeD3	FRS - Timber Lined	13.8	Enclosed	R2.5 Timber
BeD4	FRS - Timber Lined	14.8	Elevated	R2.5 Timber
Void	No Floor	11.7	Enclosed	No Floor
#2	FRS - Timber Lined	2.3	Enclosed	R2.5 Timber (Mountain ash)

**Gearing type**

Location	Construction material/type	Bulk Insulation R-value <i>(may include edge butt values)</i>	Reflective wrap?
Basement	Plasterboard	R0.0	No
Basement	FRS - 150mm concrete slab Lined	R2.5	No
Laundry	FRS - 150mm concrete slab Lined	R2.5	No
CELLAR	FRS - 150mm concrete slab Lined	R2.5	No
Basement Entry Hallway	FRS - 150mm concrete slab Lined	R2.5	No
ltB	FRS - 150mm concrete slab Lined	R2.5	No
Lounge	FRS - Timber Lined	R2.5	No


\*Note to gateway:  
Generated on 16 Jun 2021 using FrostRater 5.5.5 (3.22) for G-C-CPA150-09, 02, 84 Equestrian Boulevard, Catemu Pines, NSW, 2007

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2732FJF60 Nutherts Certificate			7.2 Star Rating as of 16 Jun 2020				
Lounge		Plasterboard	R0.0		No		
Bath		FRS - Timber Lined	R2.5		No		
Kitchen/Lounge - mng		FRS - Timber Lined	R2.5		No		
Kitchen/Lounge - mng		FRS - Timber Lined	R2.5		No		
Kitchen/Lounge - mng		Plasterboard	R7.0		No		
Kitchen/Lounge - mng		FRS - Timber Lined	R2.5		No		
Ground Entry Hallway		Plasterboard	R7.0		Yes		
Ground Entry Hallway		FRS - Timber Lined	R2.5		No		
UP17		FRS - Timber Lined	R2.5		No		
Upstairs Bath		Plasterboard	R7.0		Yes		
MasterBed		Plasterboard	R7.0		Yes		
MasterBed		Plasterboard	R7.0		Yes		
WR MasterBed		Plasterboard	R7.0		Yes		
ENS MasterBed		Plasterboard	R7.0		Yes		
Upstairs Hallway		Plasterboard	R7.0		Yes		
BoC2		Plasterboard	R7.0		Yes		
BoC3		Plasterboard	R7.0		Yes		
BoC4		Plasterboard	R7.0		Yes		
Vest		Plasterboard	R7.0		Yes		
Ut2		Plasterboard	R7.0		Yes		

Ceiling penetrations*							
Location	Quantity	Type	Height [mm]	Width [mm]	Sealed/unsealed		
Laundry	1	Exhaust Fans	200	200	Sealed		
Laundry	1	Dowlights	100	100	Sealed		
CELLER	2	Dowlights	100	100	Sealed		
Basement Entry Hallway	4	Dowlights	100	100	Sealed		
Ut1	1	Dowlights	100	100	Sealed		
Lounge	4	Dowlights	100	100	Sealed		
Bath	1	Exhaust Fans	200	200	Sealed		
Kitchen/Lounge/Dining	10	Dowlights	100	100	Sealed		
Kitchen/Lounge/Dining	1	Exhaust Fans	200	200	Sealed		
Ground Entry Hallway	4	Dowlights	100	100	Sealed		
Upstairs Bath	1	Exhaust Fan	200	200	Sealed		
MasterBed	4	Dowlights	100	100	Sealed		
WR MasterBed	1	Dowlights	100	100	Sealed		
ENS MasterBed	1	Exhaust Fans	200	200	Sealed		
Upstairs Hallway	5	Dowlights	100	100	Sealed		
BoC2	2	Dowlights	100	100	Sealed		

35B2FIUFG0 NETHERS Certificate		7.2 Star Rating as of 16 Jun 2021			
Bac3	2	Downtights	100	Sealed	
Bac4	2	Downtights	100	Sealed	
Ht 2	1	Downtights	100	Sealed	

### Ceiling fans

Location	Quantity	Diameter [mm]
No Data Available		

### Roof type

Construction	Added insulation [R-value]	Solar absorbance	Roof shade [colour]
Frame Flat - Flat Framed (Metal Deck)	0.0	0.5	Medium
Ceil. Ceiling	0.0	Medium	Medium
Framed Flat - Flat Framed (Metal Deck)	1.8	0.3	Light

### Thermal bridging schedule for steel frame elements

Building element	Steel section dimensions [height x width, mm]	Frame spacing [mm]	Steel thickness [BMP mm]	Thermal break [W/mK]
No Data Available				

### Appliance schedule

(not applicable if # Whole of Home performance assessment is not conducted for this certificate)  
 (Note: As a flat assumption of District's use for lighting, thermostat lighting is not included in the appliance schedule.)

Cooling system	Appliance type	Location	Fuel type	Minimum efficiency/ performance	Recommended capacity
No Whole of Home performance assessment conducted for this certificate.					

### Heating system

Appliance type	Location	Fuel type	Minimum efficiency/ performance	Recommended capacity
No Whole of Home performance assessment conducted for this certificate.				

### Hot water system

Appliance type	Fuel type	Minimum efficiency/ performance	Hot Water CER Zone	Assessed daily load
No Whole of Home performance assessment conducted for this certificate.			Zone 3 BTC	

### Poolspa equipment

Appliance type	Fuel type	Minimum efficiency/ performance	Recommended capacity
No Whole of Home performance assessment conducted for this certificate.			

[illegible]

SBS2FLU60 NatHERS Certificate		7.2 Star Rating as of 16-Jun-2025
<b>R70s</b>	Small-scale Technology Certificate, certificates created by the R62 register for non-residential energy technologies that are in the R62 and sold as part of the Small-scale Renewable Energy Scheme operated by the Clean Energy Regulator	
<b>Thermal breaks</b>	are installed with an R-value greater than or equal to 0.2 that must separate the cold zone from the building. This includes, but is not limited to, materials such as timber battens greater than or equal to 25mm thick, continuous thermal breaks such as polystyrene insulation sheathing, gasket strips or a batten channel.	
<b>U-value</b>	the rate of heat transfer through a surface. The lower the U value, the better the insulating ability.	
<b>Uninterrupted</b>	a room where a ceiling that is suspended from exposed heating and cooling lines or connected to structural ceiling components.	
<b>Vertical shading features</b>	provides shading to the building in the vertical plane and can be parallel or perpendicular to the radiant collection. Includes privacy screens, other walls in the building (wing walls), screens, other buildings, overhangs (projected or fixed heritage hoods).	
<b>Window shading device</b>	a device used to minimize heat provided shading e.g. window awnings or screens but excludes horizontal* or vertical shading features† (eg awnes and balconies)	

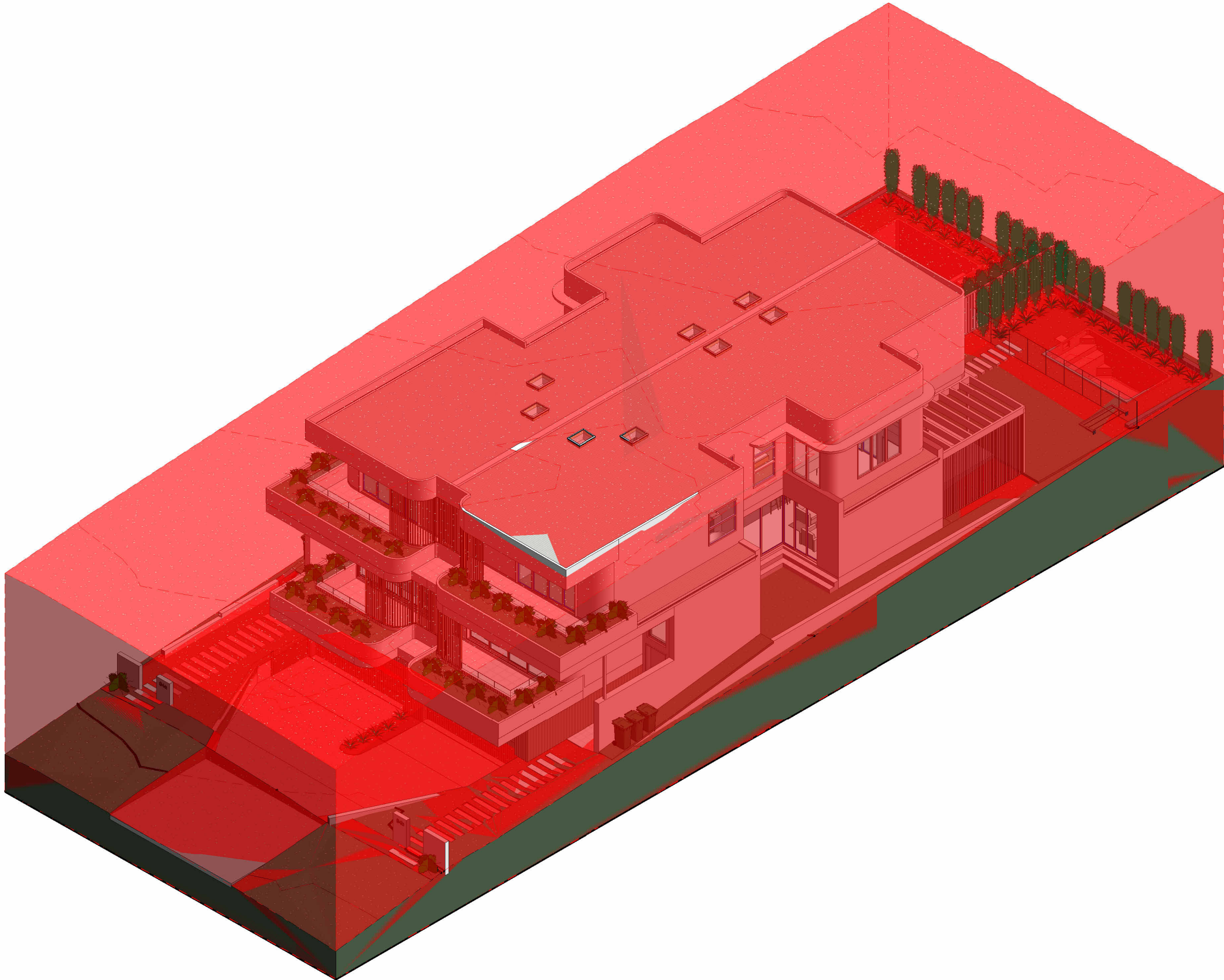
\*fitted to primary  
Generated on 16-Jun-2025 using FireFlu60: 5.5.5a (3.22) for C:\OP\541580\_ID\_94 Edgsoft\Boulevard, Colacley Plateau, NSW, 2007

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## DA PLANS

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Height Blanket with Retaining walls

SCALE: @ A3





FINISHES SCHEDULE			
ITEM	MATERIAL	COLOUR	SAMPLE
External Wall Finishes	First Floor: Rendered FC Sheeting or similar	White or similar	
	Ground Floor: Selected brickwork render	White or similar	
	Basement Wall: Vertical Cladding Brown or similar	Brown or similar	
Garage Door	Garage Door Similar to basement wall	Brown or similar	
Doors & Windows Frames	Aluminum	White or similar	
Downpipes	Steel or equivalent	White or similar	
Roof	Steel or equivalent	Surfmist or similar	
Privacy Screens	Front Screening & Balc.	Brown or similar	
	Rear Alfresco Screening -	White or similar	
Columns	White or Similar	White or similar	Material TBC

DA PLANS

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### DWELLING 1 WINDOW SCHEDULE

Mark	Type	Description	Height	Width	Glazing
D1-W1	AAW1510	Residential Fixed Window	1500	1020	Clear Glass
D1-W2	AAW2424	Residential Fixed Window	2400	2400	Clear Glass
D1-W3	AAW0624	Awning Window	600	2400	Clear Glass
D1-W4	AAW1515	Awning Window	1500	1500	Obscure Glass
D1-W5	AAW2112	Awning Window	2100	1200	Clear Glass
D1-W6	AAW2112	Awning Window	2100	1200	Clear Glass
D1-W7	AAW2115	Residential Fixed Window	2100	1500	Clear Glass
D1-W8	AAW2124	Residential Fixed Window	2100	2400	Clear Glass
D1-W9	AAW2115	Residential Fixed Window	2100	1500	Clear Glass
D1-W10	AAW2112	Awning Window	2100	1200	Clear Glass
D1-W11	AAW1224	Awning Window	1200	2400	Clear Glass
D1-W12	SL0907	Fixed (non-opening) flat roof skylight	892	689	Manufacturer's Specs
D1-W13	SL0907	Fixed (non-opening) flat roof skylight	892	689	Manufacturer's Specs
D1-W14	SL0907	Fixed (non-opening) flat roof skylight	892	689	Manufacturer's Specs
D1-W15	SL0907	Fixed (non-opening) flat roof skylight	892	689	Manufacturer's Specs

### DWELLING 1 DOOR SCHEDULE

Mark	Type	Description	Height	Width
D1-D1	GRD2150	Garage Rolling Door	2100	5000
D1-D2	1020 x 2400		2400	1020
D1-D3	Double Flush Door	Double Flush Door	2040	820
D1-D4	820	Flush Door	2040	820
D1-D5	920	Flush Door	2040	920
D1-D6	Double Flush Door	Double Flush Door	2040	820
D1-D7	ASD2444-x	Four Panel Aluminum Sliding Door	2400	4400
D1-D8	21620 CSD	Cavity Stacking Door	2000	820
D1-D9	CSD720	Flush Sliding Door	2100	720
D1-D10	820	Flush Door	2040	820
D1-D11	ASD2460	Cornor Sliding Stacking Door	2400	3800
D1-D12	ASD2418	Aluminium Sliding Door	2400	1800
D1-D13	ASD2432-x	Aluminium Sliding Door	2400	3200
D1-D14	ASD2432-x	Aluminium Sliding Door	2400	3200
D1-D15	720 x 2040	Flush Door	2040	720
D1-D16	820 x 2040	Flush Door	2040	820
D1-D17	820 x 2040	Flush Door	2040	820
D1-D18	1220 x 1980	Robe Sliding Door	2005	1220
D1-D19	1220 x 1980	Robe Sliding Door	2005	1220
D1-D20	820	Flush Door	2040	820
D1-D21	820 x 2040	Flush Door	2040	820
D1-D22	1220 x 1980	Robe Sliding Door	2005	1220
D1-D23	1220 x 1980	Robe Sliding Door	2005	1220
D1-D24	820	Flush Door	2040	820
D1-D25	820 x 2040	Flush Door	2040	820
D1-D26	1220 x 1980	Robe Sliding Door	2005	1220
D1-D27	1220 x 1980	Robe Sliding Door	2005	1220
D1-D28	820 x 2040	Flush Door	2040	820
D1-D29	1420 x 1980	Robe Sliding Door	1980	1420
D1-D30	1420 x 1980	Robe Sliding Door	1980	1420

## DWELLING 2 WINDOW SCHEDULE

Mark	Type	Description	Height	Width	Glazing
D2-W1	AAW1510	Residential Fixed Window	1500	1020	Clear Glass
D2-W2	AAW2424	Residential Fixed Window	2400	2400	Clear Glass
D2-W3	AAW0624	Awning Window	600	2400	Clear Glass
D2-W4	AAW1515	Awning Window	1500	1500	Obscure Glass
D2-W5	AAW2112	Awning Window	2100	1200	Clear Glass
D2-W6	AAW2112	Awning Window	2100	1200	Clear Glass
D2-W7	AAW2115	Residential Fixed Window	2100	1500	Clear Glass
D2-W8	AAW2124	Residential Fixed Window	2100	2400	Clear Glass
D2-W9	AAW2115	Residential Fixed Window	2100	1500	Clear Glass
D2-W10	AAW2112	Awning Window	2100	1200	Clear Glass
D2-W11	AAW1224	Awning Window	1200	2400	Clear Glass
D2-W12	SL0907	Fixed (non-opening) flat roof skylight	892	689	Manufacturer's Specs
D2-W13	SL0907	Fixed (non-opening) flat roof skylight	892	689	Manufacturer's Specs
D2-W14	SL0907	Fixed (non-opening) flat roof skylight	892	689	Manufacturer's Specs
D2-W15	SL0907	Fixed (non-opening) flat roof skylight	892	689	Manufacturer's Specs

## DWELLING 2 DOOR SCHEDULE

Mark	Type	Description	Height	Width
D2-D1	GRD2150	Garage Rolling Door	2100	5000
D2-D2	1020 x 2400		2400	1020
D2-D3	Double Flush Door	Double Flush Door	2040	820
D2-D4	820	Flush Door	2040	820
D2-D5	920	Flush Door	2040	920
D2-D6	Double Flush Door	Double Flush Door	2040	820
D2-D7	ASD3444.4	Four Panel Aluminium Stacking Door	2400	4400
D2-D8	2/820 CSD	Cavity Sliding Door	2000	820
D2-D9	CSD720	Cavity Sliding Door	2100	720
D2-D10	820	Flush Door	2040	820
D2-D11	ASD2460	Corner Sliding Stacking Door	2400	3800
D2-D12	ASD2418	Aluminium Sliding Door	2400	1800
D2-D13	ASD2432.4	Aluminium Sliding Door	2400	3200
D2-D14	ASD2432.4	Aluminium Sliding Door	2400	3200
D2-D15	720 x 2040	Flush Door	2040	720
D2-D16	820 x 2040	Flush Door	2040	820
D2-D17	820 x 2040	Flush Door	2040	820
D2-D18	1220 x 1980	Robe Sliding Door	2005	1220
D2-D20	820	Flush Door	2040	820
D2-D21	820 x 2040	Flush Door	2040	820
D2-D22	1220 x 1980	Robe Sliding Door	2005	1220
D2-D23	1220 x 1980	Robe Sliding Door	2005	1220
D2-D24	820	Flush Door	2040	820
D2-D25	820 x 2040	Flush Door	2040	820
D2-D26	1220 x 1980	Robe Sliding Door	2005	1220
D2-D27	1220 x 1980	Robe Sliding Door	2005	1220
D2-D28	820 x 2040	Flush Door	2040	820
D2-D29	1420 x 1980	Robe Sliding Door	1980	1420
D2-D30	1420 x 1980	Robe Sliding Door	1980	1420

## DOORS AND WINDOWS SCHEDULE

## DA PLANS

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