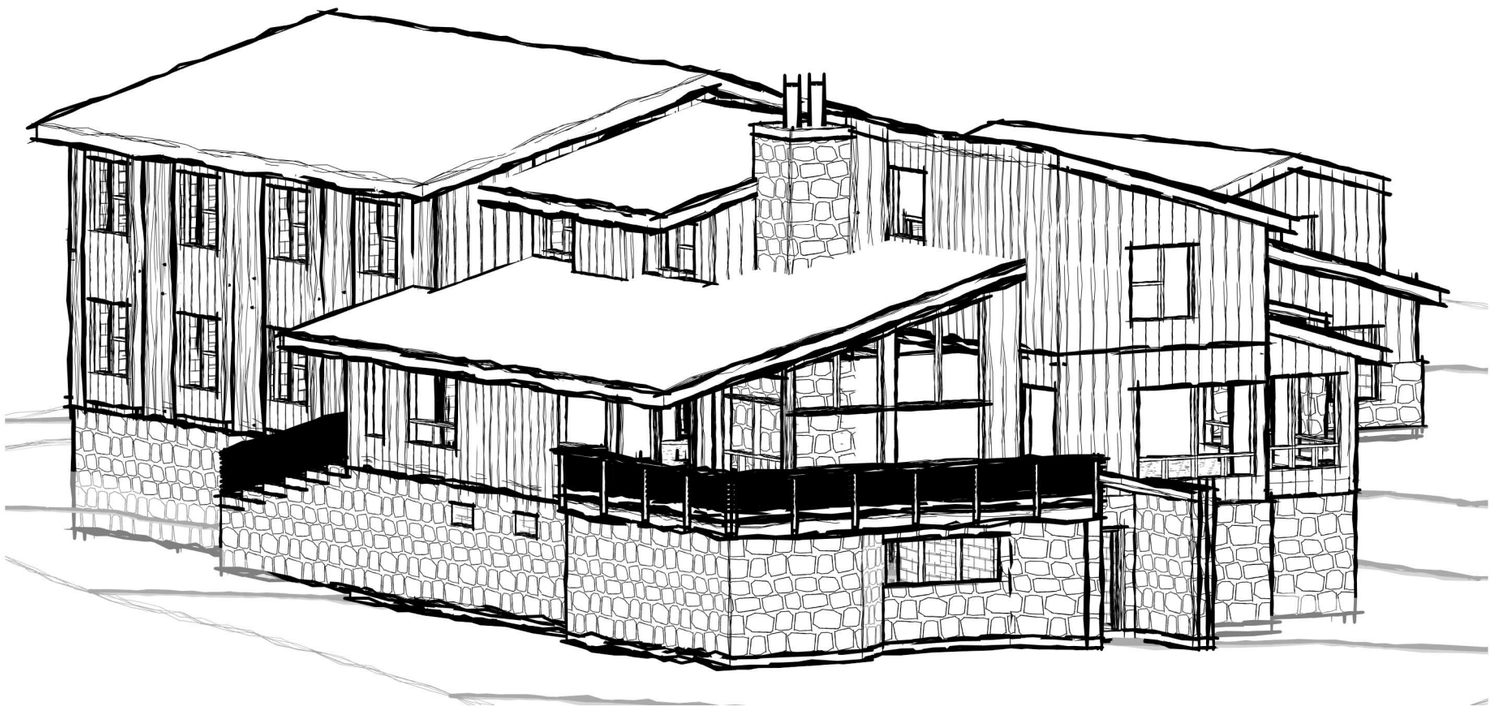
KOSCIUSZKO ALPINE CLUB
CHARLOTTE PASS

Proposed Reclad 2021-2022



Drawing Index:

- A0A Cover Sheet
- A0B Proposed Materials
- A01 Site Plan
- A02 Basement Plan
- A03 Ground Floor Plan
- A04 First Floor Plan
- A05 Elevations North & South
- A06 Elevations South & West

Project Address: 112/-/DP1242013 Koscuisko Alpine Club Charlotte Pass NSW 2624	Sheet Name : Cover Sheet	Project: KAC Charlotte Pass	Sheet No: A0A	Scale:	Project Status: DA	Drawn by :MM
	Note:All design, construction & material to be in accordance with Building Code of Australia(BCA). Building regulations & local government plans and policies, current issues of Australian Standards, current manufacturers specification.		Issue Date: 03.06.2021			Checker

Proposed Materials & Finishes

Corrugated or Similar

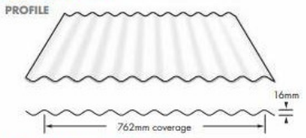
Steeline Corrugated 762

ROOF AND WALL CLADDING
ST30

Corrugated roofing has been used in domestic and industrial applications for over 100 years and is still very popular today. Corrugated is available in a wide range of colours and is suitable for roof and wall on contemporary homes. Galvanised roofing is also available for the old traditional roof.

Product Details

PROFILE



Material Specification

0.42 or 0.48	Zincalume®	G550 AM125
0.42 or 0.48	Galvanised	G550 Z450
0.42 or 0.48	Colorbond®	G550 AM100

SPECIAL ORDERS
Stainless Steel, Metallic, Coolmax and Ultra

Product Mass

BMT		kg/m²
0.42	Zincalume®	4.24
0.42	Colorbond®	4.27
0.42	Galvanised	4.65
0.48	Zincalume®	4.81
0.48	Colorbond®	4.85
0.48	Galvanised	5.23

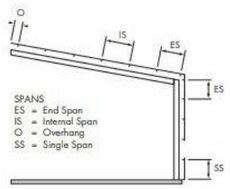
Wind Load Conversion

WIND CLASSIFICATION (Domestic)	REGION & CATEGORY (Commercial/Industrial)
N1 (W28)	Reg A, Cat 3
N2 (W33)	Reg A, Cat 2.5 - Reg B, Cat 3
N3 (W41)	Reg A, Cat 2 - Reg B, Cat 2.5
N4 (W50)	Reg B, Cat 2

Maximum Support Spacings (mm)

Type of Span	Thickness (mm) BMT .42	BMT .48
ROOFS		
Single Span	700	800
End Span	900	1300
InternalSpan	1200	1700
Unstiffened Eaves Overhang	150	200
WALLS		
Single Span	1500	1600
End Span	1500	1800
InternalSpan	1800	2100
Overhang	200	200

Maximum Support Spacing has been determined by load tests and deflection in accordance with AS 1562-1 AS 4040 1&2 1992.



Steeline Corrugated 762

ROOF AND WALL CLADDING
ST30

.42 Bmt Corrugated Roof & Wall

Limit State Wind Pressure Capacities (kpa)

3 Screw intermediate 5 Screw Gutter & Apex Line								Walls Only
SPAN TYPE		Span mm 700	900	1200	1500	1800	2100	2400
SINGLE	Serviceability		See 5 Screw for Single Span					*
	Strength							
END	Serviceability		1.40	1.16	1.00	0.90	0.80	
	Strength		7.50	5.80	4.70	3.80	3.20	
INTERNAL	Serviceability			1.45	1.21	1.00	0.90	
	Strength			7.40	6.00	4.80	3.80	*

.42 Bmt Corrugated Roof & Wall

Limit State Wind Pressure Capacities (kpa)

5 Screw intermediate 5 Screw Gutter & Apex Line								Walls Only
SPAN TYPE		Span mm 700	900	1200	1500	1800	2100	2400
SINGLE	Serviceability	4.60	3.18	1.75	0.90	0.35		*
	Strength	12.00	12.00	10.00	8.00	6.00		
END	Serviceability		4.25	2.75	1.60	0.80	0.50	*
	Strength		12.00	9.50	7.40	5.75	4.45	
INTERNAL	Serviceability			3.25	2.20	1.48	0.90	*
	Strength			12.00	10.70	8.50	6.60	

.48 Bmt Corrugated Roof & Wall

Limit State Wind Pressure Capacities (kpa)

3 Screw intermediate 5 Screw Gutter & Apex Line										Walls Only
SPAN TYPE		Span mm 800	900	1200	1300	1500	1600	1700	1800	2100
SINGLE	Serviceability		See 5 Screw for Single Span							
	Strength									
END	Serviceability		1.65	1.46	1.42	1.30	1.25	1.20	1.15	
	Strength		9.30	7.20	6.10	4.90	4.55	4.35	4.00	
INTERNAL	Serviceability					1.61	1.50	1.42	1.20	1.05
	Strength					7.20	6.45	6.00	5.50	4.50

.48 Bmt Corrugated Roof & Wall

Limit State Wind Pressure Capacities (kpa)

5 Screw intermediate 5 Screw Gutter & Apex Line										Walls Only
SPAN TYPE		Span mm 800	900	1200	1300	1500	1600	1700	1800	2100
SINGLE	Serviceability	4.80	3.74	2.23	1.90	1.30	1.00	0.80	0.55	
	Strength	12.00	12.00	10.75	10.25	8.95	8.30	7.60	7.00	
END	Serviceability		4.70	2.85	2.50	1.90	1.70	1.55	1.40	
	Strength		12.00	12.00	11.60	10.30	9.55	8.60	7.50	
INTERNAL	Serviceability					3.30	2.80	2.50	2.15	1.60
	Strength					12.00	11.65	11.10	10.55	8.00

Compliance

Wind pressure capacitiy tables have been determined by full scale testing in accordance with AS 1And 562.1 and AS 4040.1&2 1992.

Non-Cyclonic areas.

The pressure considered is based on buildings up to 10m high in Region B, Terrain Category 3, M_s = 0.85, M_t = 1.0, M_l = 1.0 with the following assumptions made:

Roofs
C_{pe} = +0.20, C_{pe} = -0.90, K_l = 2.0 for single and end spans, K_l = 1.5 for internal spans.

Walls
C_{pe} = +0.20, C_{pe} = -0.65, K_l = 2.0 for single spans, K_l = 1.5 for internal spans.

Note

Serviceability tests are carried out to maximum allowed deflection.

Pitch deflection on the 3 screw is reached before max span deflection is reached.

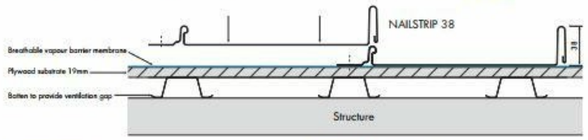
Maximum pitch deflection is not reached with 5 screw fixings.

Nailstrip or Similar

Steeline NAILSTRIP 25 & 38

CLASSIC EURO PANEL RANGE ROOF OR WALL CLADDING

NAILSTRIP is available in 25mm and 38mm Rib Heights. It is easy to install using screws every 300mm along the panel's perforated edge. The joing panel snaps over the low rib with no mechanical seam locking required.



Preparation

The substrate must be flat and rigid where the panels are laid. Battens are required between the structure and the ply to create a ventilation gap to prevent condensation. Procter wrap, a breathable barrier membrane, is required between the substrate and the Nail Strip panel.

Material Availability

- Colorbond®
- Colorbond® Ultra
- Colorbond® Metallic
- Colorbond® Matt
- Galvanised

Standard NailStrip Specifications

		Rib Height 25mm		Rib Height 38mm	
Rib Height and Cover		25 x 185	25 x 285	38 x 255	38 x 345
NailStrip Length	1.0 - 4.0 Recommended Max				
Minimum Pitch	7.5º Roof				
Custom Widths	Available on request				
Notching	20mm Rib cut back as requested				
Stop Ends	Fold up, Fold down, Fold Hook				
Screws	Wafer 10-12 x 25 Timber				

Proposed Window Finishes

Natural Anodised Aluminium

Proposed Colorbond Colours

Denotes: (WG)

Denotes: (W)

Project Address: 112/-/DP1242013 Koscuisko Alpine Club Charlotte Pass NSW 2624	Sheet Name : Proposed Materials & Finishes	Project: KAC Charlotte Pass	Sheet No: A0B	Scale:	Project Status: DA / Drawn by :MM / Checker
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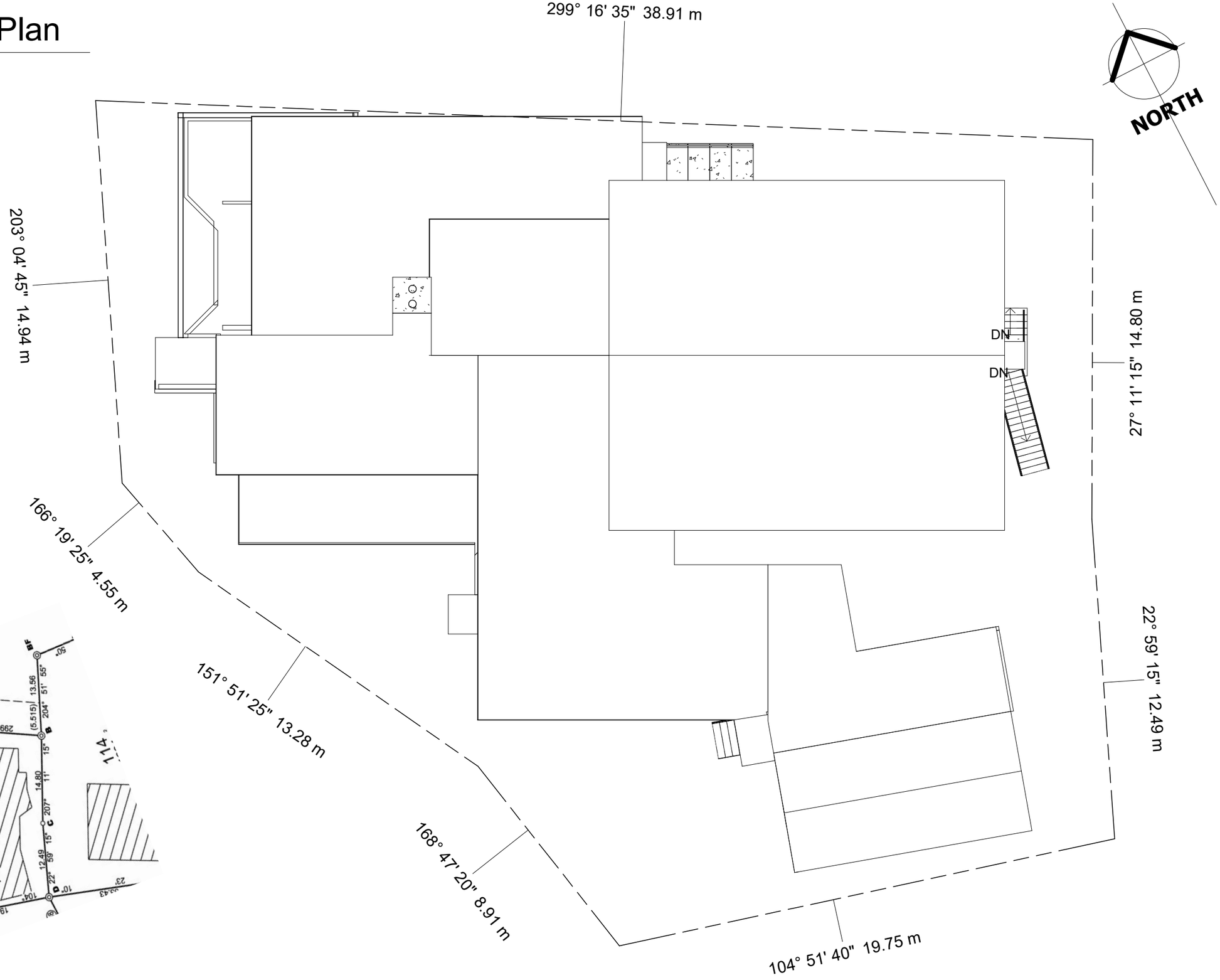
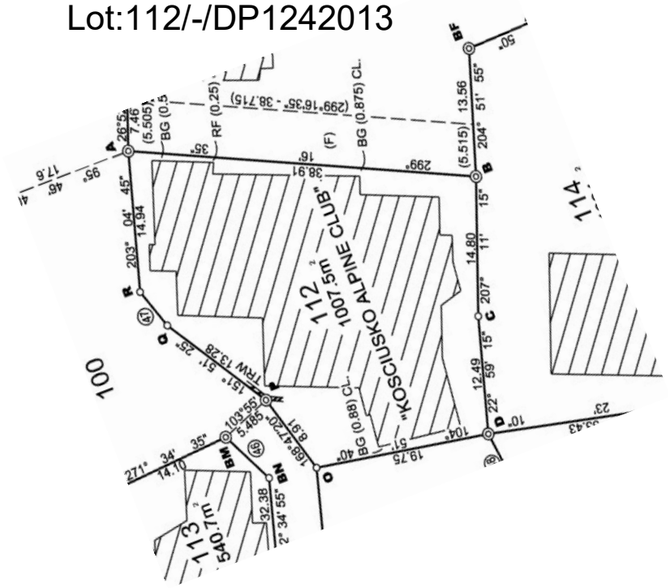
1 Site Plan

1 : 150



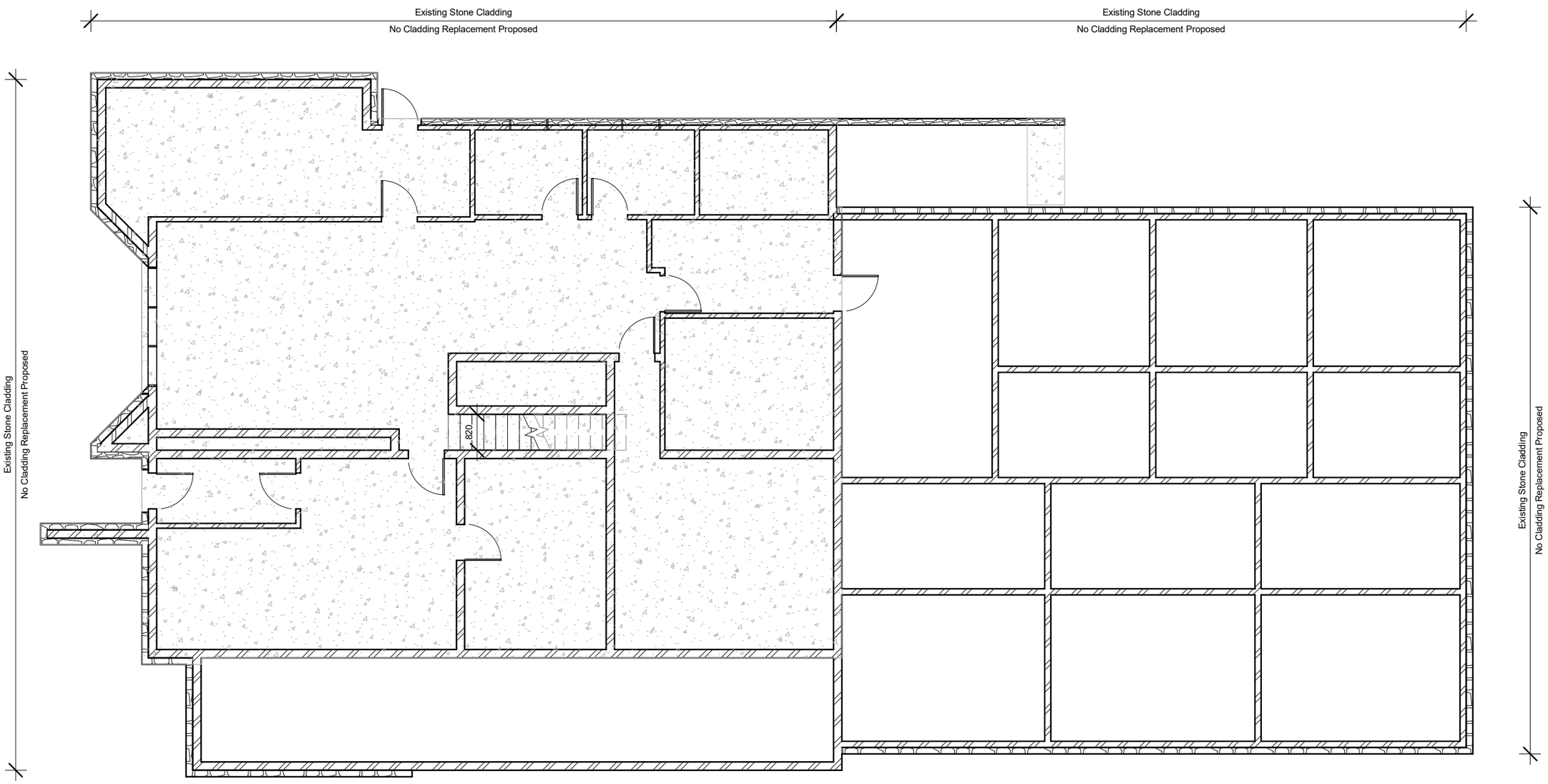
Plan of Subdivision
Lot:112/-/DP1242013



Project Address: 112/-/DP1242013 Koscuisko Alpine Club Charlotte Pass NSW 2624	Site Plan	Project: KAC Charlotte Pass	A01	1 : 150	Project Status: DA	Drawn by :MM
	Note:All design, construction & material to be in accordance with Building Code of Australia(BCA). Building regulations & local government plans and policies, current issues of Australian Standards, current manufacturers specification.		Issue Date: 03.06.2021			Checker

1 Basement

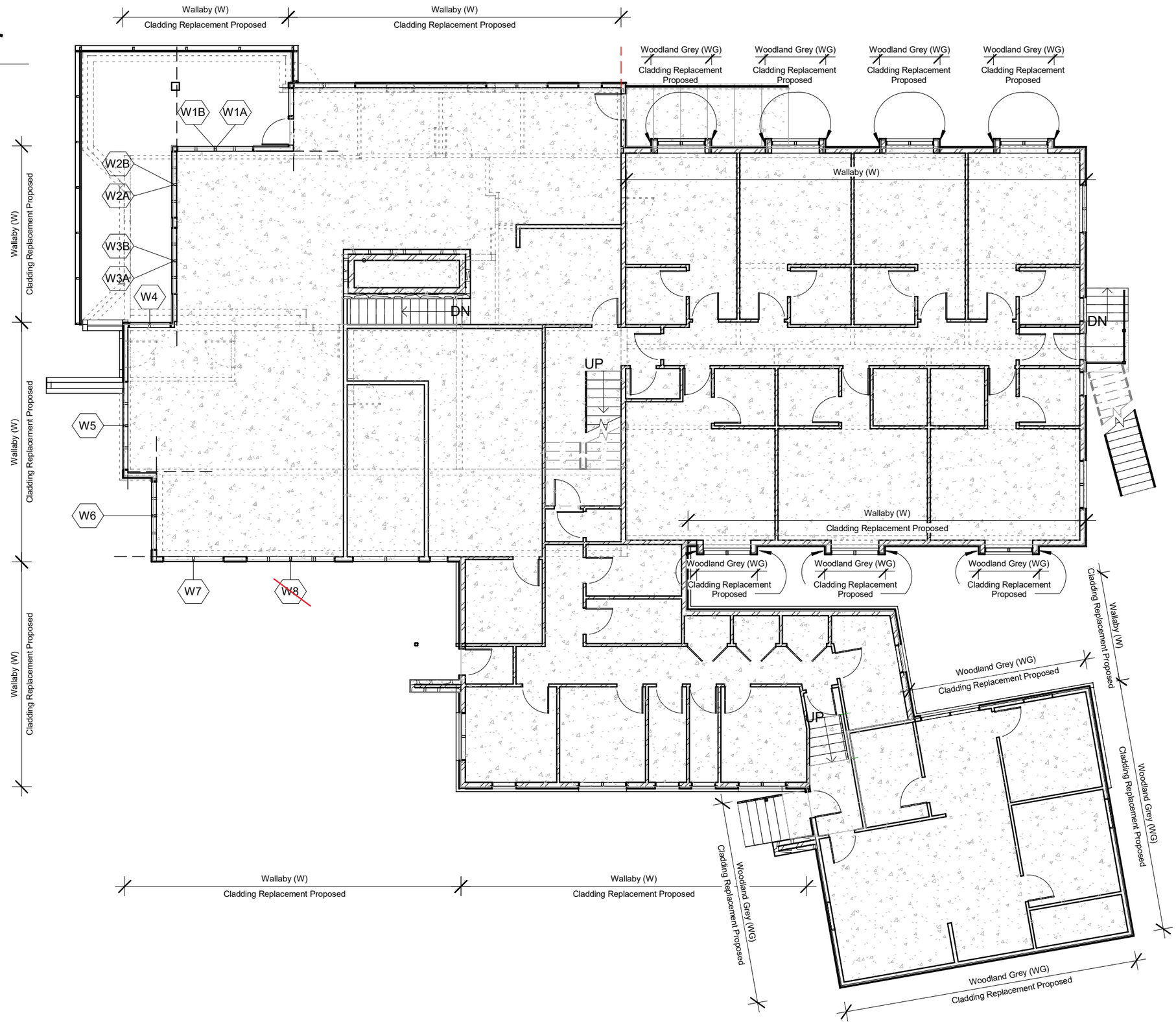
1 : 100



Project Address: 112/-/DP1242013 Koscuisko Alpine Club Charlotte Pass NSW 2624	Sheet Name : Basement Plan	Project: KAC Charlotte Pass	Sheet No: A02	Scale: 1 : 100	Project Status: DA	Drawn by :MM
	Note:All design, construction & material to be in accordance with Building Code of Australia(BCA). Building regulations & local government plans and policies, current issues of Australian Standards, current manufacturers specification.		Issue Date: 03.06.2021			Checker

1 Ground Floor

1 : 125



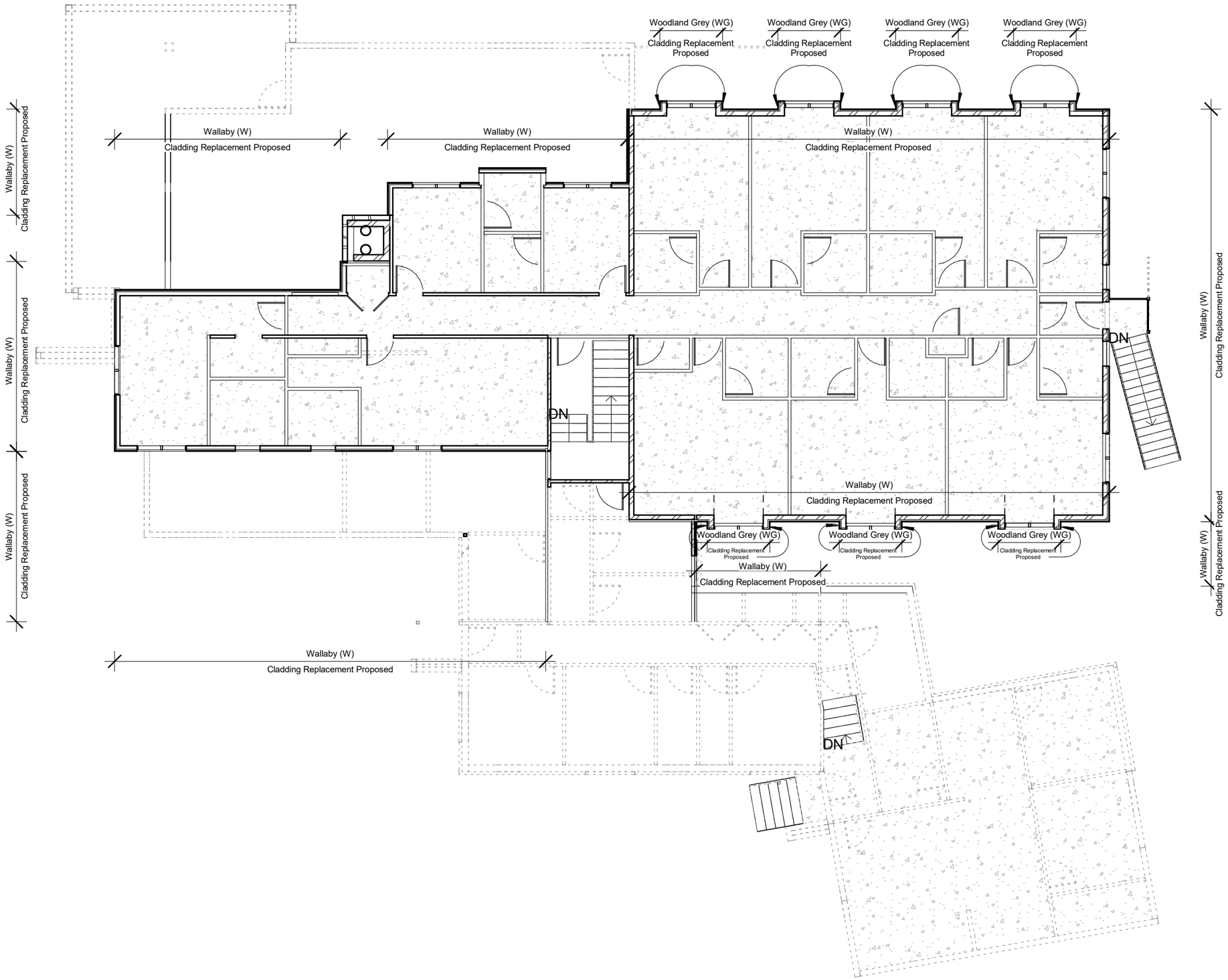
Window Replacement Schedule

Mark
W1A
W1B
W2A
W2B
W3A
W3B
W4
W5
W6
W7
~~W8~~

Project Address: 112/-/DP1242013 Koscuisko Alpine Club Charlotte Pass NSW 2624	Sheet Name : Ground Floor Plan	Project: KAC Charlotte Pass	Sheet No: A03	Scale:1 : 125	Project Status: DA
	Note:All design, construction & material to be in accordance with Building Code of Australia(BCA). Building regulations & local government plans and policies, current issues of Australian Standards, current manufacturers specification.		Issue Date: ~~03.06.2021~~ 25.8.23		Drawn by :MM Checker

1 First Floor

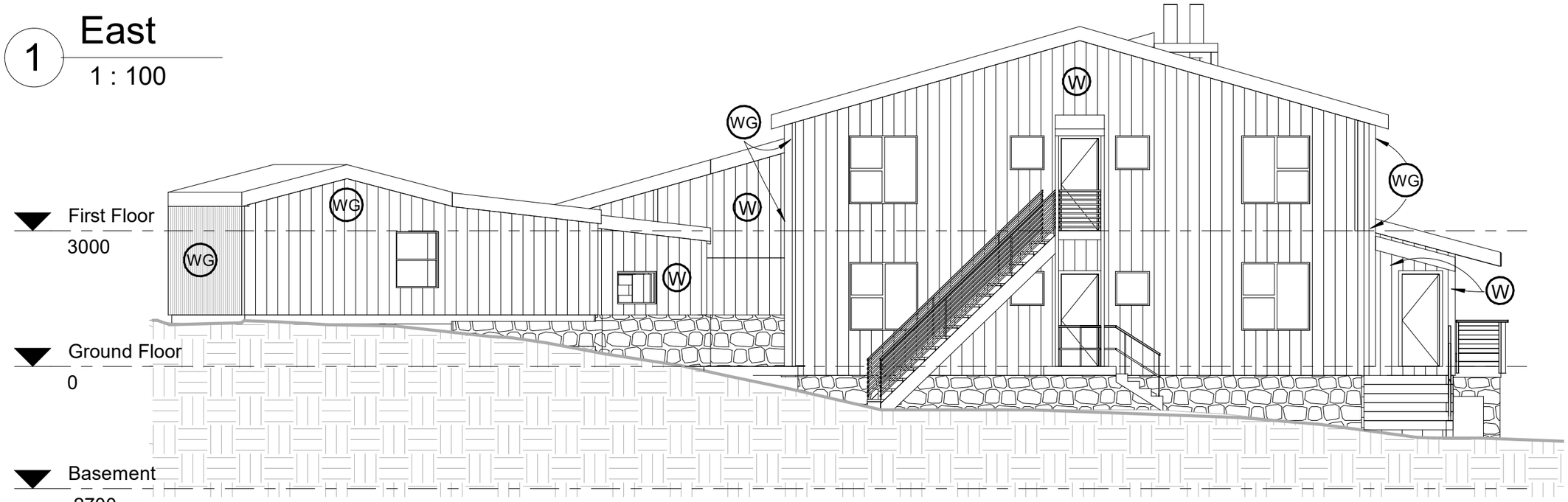
1 : 125



Project Address: 112/-/DP1242013 Koscuisko Alpine Club Charlotte Pass NSW 2624	Sheet Name : First Floor Plan	Project: KAC Charlotte Pass	Sheet No: A04	Scale:1 : 125	Project Status: DA	Drawn by :MM
	Note:All design, construction & material to be in accordance with Building Code of Australia(BCA). Building regulations & local government plans and policies, current issues of Australian Standards, current manufacturers specification.		Issue Date: 03.06.2021			Checker

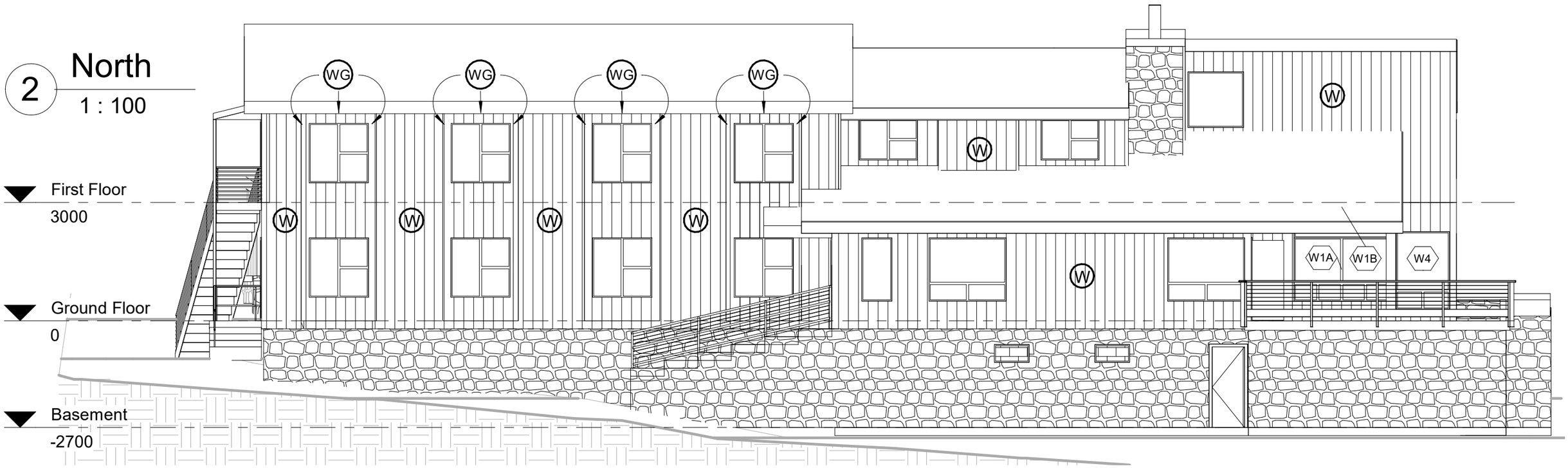
1 East

1 : 100



2 North

1 : 100



Window Replacement Schedule

Mark
W1A
W1B
W2A
W2B
W3A
W3B
W4
W5
W6
W7
W8

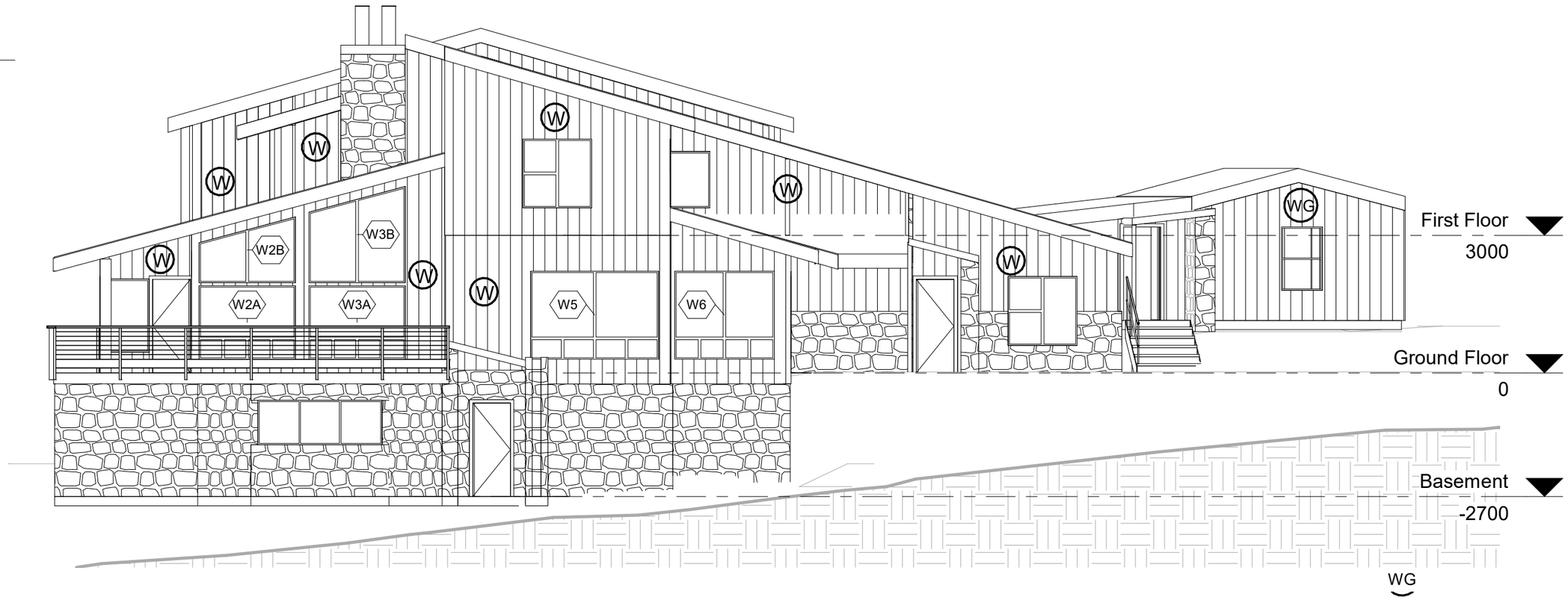
Project Address: 112/-/DP1242013 Koscuisko Alpine Club Charlotte Pass NSW 2624	Sheet Name : Elevations North & East	Project: KAC Charlotte Pass	Sheet No: A05	Scale: 1 : 100	Project Status: DA	Drawn by :MM
	Note:All design, construction & material to be in accordance with Building Code of Australia(BCA). Building regulations & local government plans and policies, current issues of Australian Standards, current manufacturers specification.		Issue Date: 03.06.2021			Checker

1 West

1 : 100

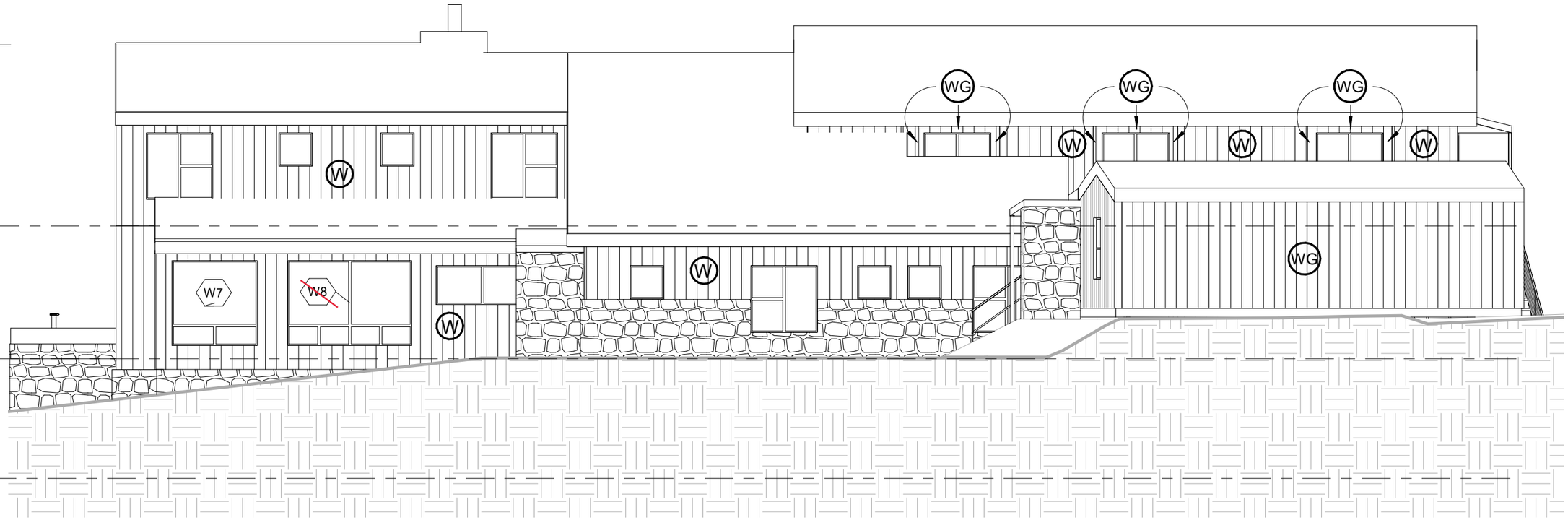
Window Replacement Schedule

Mark
W1A
W1B
W2A
W2B
W3A
W3B
W4
W5
W6
W7
~~W8~~



2 South

1 : 100



Project Address: 112/-/DP1242013 Koscuisko Alpine Club Charlotte Pass NSW 2624	Sheet Name : Elevations South & West	Project: KAC Charlotte Pass	Sheet No: A06	Scale: 1 : 100	Project Status: DA
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