

SHIPWRECK **COAST STAGE 1**

DESIGN **CLARIFICATIONS** **Part 2**

ALL INFORMATION IS PRELIMINARY
NOT FOR CONSTRUCTION

SADDLE LOOKOUT



Saddle Lookout - Aerial Views (see animation)

SADDLE LOOKOUT

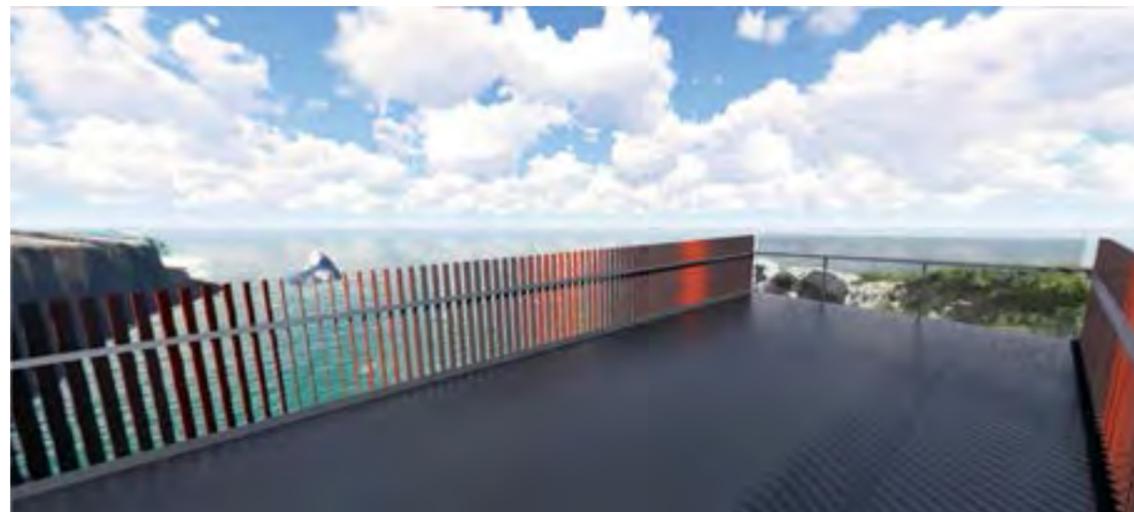
Click on images for Virtual Reality views



North Stick - West End Adult Eye Height (1650mm Above Deck)



North Stick - West End Wheelchair/Child Eye Height (1220mm Above Deck)



South Stick - Junction Adult Eye Height (1650mm Above Deck)



South Stick - Junction Wheelchair/Child Eye Height (1220mm Above Deck)



South Stick - West End Adult Eye Height (1650mm Above Deck)



South Stick - West End Wheelchair/Child Eye Height (1220mm Above Deck)

SADDLE LOOKOUT

Balustrade

Cladding + Balustrade

When considering the design of the integrated cladding and balustrade for the Saddle Lookout there are three primary considerations. In order of priority these are; user safety, user views from the lookout and architectural design intent.

A number of studies have been undertaken during design development to investigate how the sculptural form of the lookout, can be retained while ensuring visitor safety, equity of user experience and outlook to views.

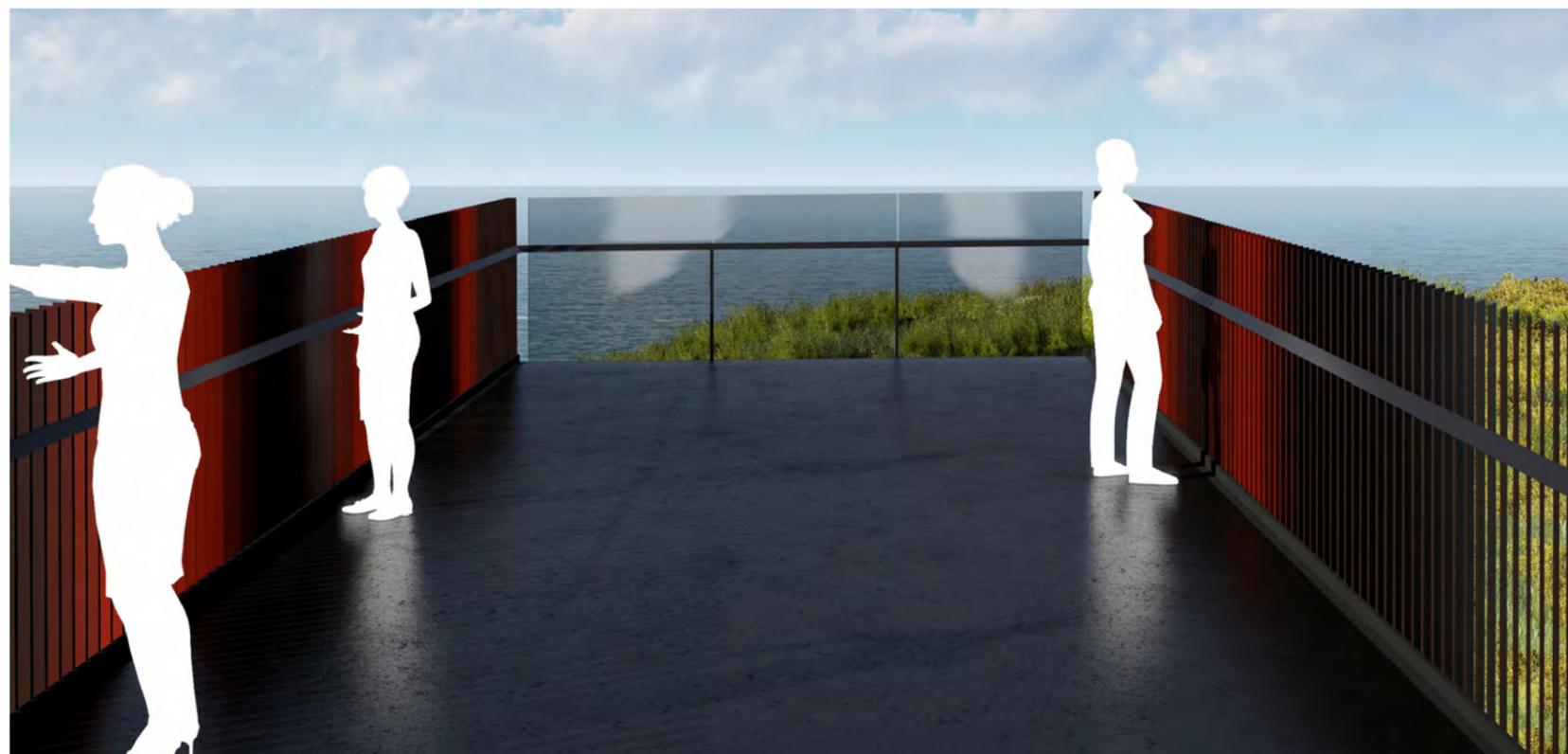
The illustrations demonstrate how the balustrade and cladding treatment can dilute the sculptural intent of concept design. If the balustrade and cladding are too permeable, lightweight or 'see through', then the strength of the stick composition is significantly diminished. Conversely, if the height of the solid cladding is too high, then outlook is unacceptably compromised.

The Saddle Lookout cladding and balustrade, as illustrated in this report, accommodate these potentially conflicting design requirements. By containing the solid cladding to 1 metre above the lookout walkway and introducing a top rail at 1.3m, we provide a balustrade which facilitates equity of experience and visual amenity as well as providing safe structural rigidity.

In addition to the cladding considerations noted above, the Saddle Lookout balustrade design has been determined by safety compliance requirements. These requirements are documented as part of the architectural technical drawing included in Appendix A of this report.



Solid aluminium enclosure and stainless steel handrail



Aluminium fins of varying angle and colour flank glass panels to end



SADDLE LOOKOUT



SADDLE LOOKOUT

User Circulation and Viewing

Lookout Area

- Existing lookout area: 48 sq/m
- Proposed lookout area: 413 sq/m
- Percentage increase: 860%

This represents almost 9x the dedicated lookout area.

- Existing lookout and path area: 113 sq/m
- Proposed lookout and approach area: 705 sq/m
- Percentage increase: 620%

Assuming the existing path is included in capacity calculations then the total existing footprint is 113 sq/m. Applying the same criteria to the proposed lookout, the increase in capacity is approximately 6x existing.

Viewing Perimeter

- Existing viewing length: 63m
- Proposed viewing length: 104m

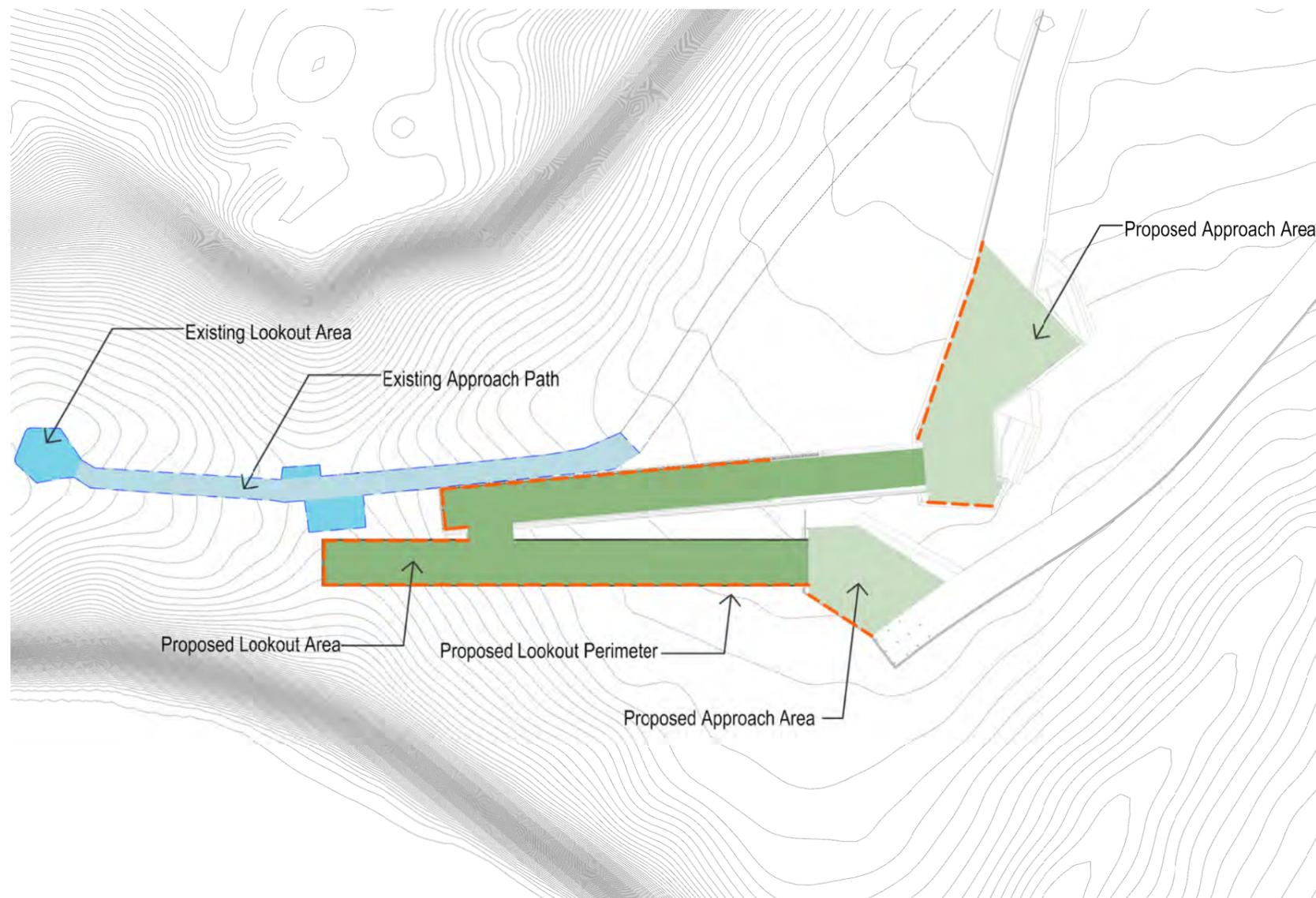
The path connecting the existing lookouts is approximately 2m wide. It does not allow for viewing on both sides while maintaining access along the path. As such, only single sided viewing has been calculated along the existing path.

Entry / Exit Areas

The above figures do not include the substantial on-ground viewing areas at the entry and exit points to the lookout.

- Entry plaza: Views to the north and west from the entry holding area. Includes seating provision.
- Exit plaza: Views to the south and east from the exit area. Includes seating and potential engagement area for Traditional Owner or Parks Rangers engagement with visitors.

Refer to Pedestrian Modelling report for further detail.



Saddle Lookout - Viewing area and extent comparison

SADDLE LOOKOUT

External Dimensions

North Stick; 48m long x 4.5m wide x 4.5m high

South Stick; 48m long x 4.5m wide x 4.5m high

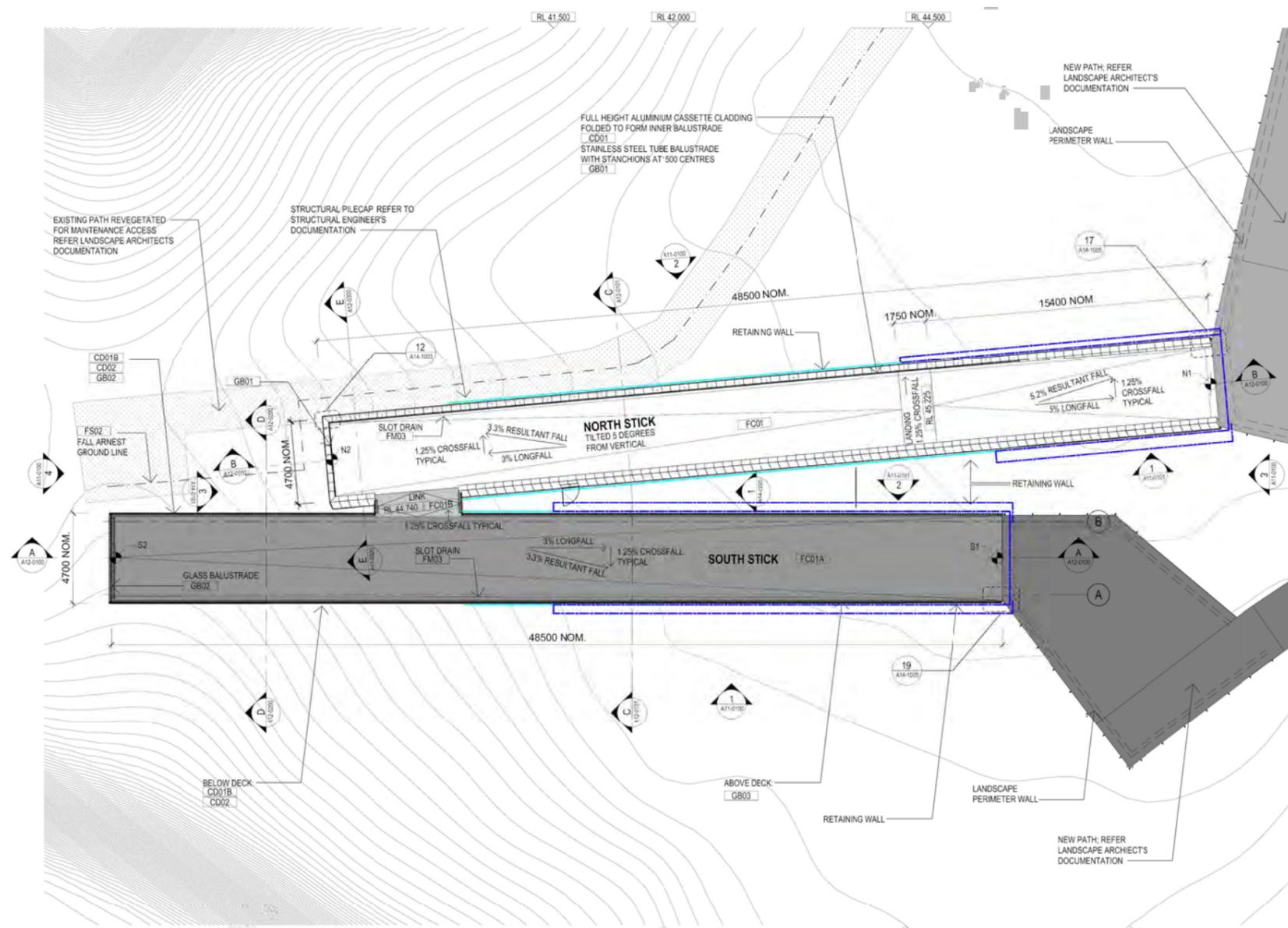
Cantilever

South Stick Projection length; 12m (from end of North Stick)

North to South Stick Projection width; approx. 0.8m to 4m (varies)

South Stick Projection height: approx. 0.45m (above end point of North Stick)

The South Stick is cantilevered from the North Stick.



Saddle Lookout - Plan

SADDLE LOOKOUT

Incline

North Stick Incline; 3 %

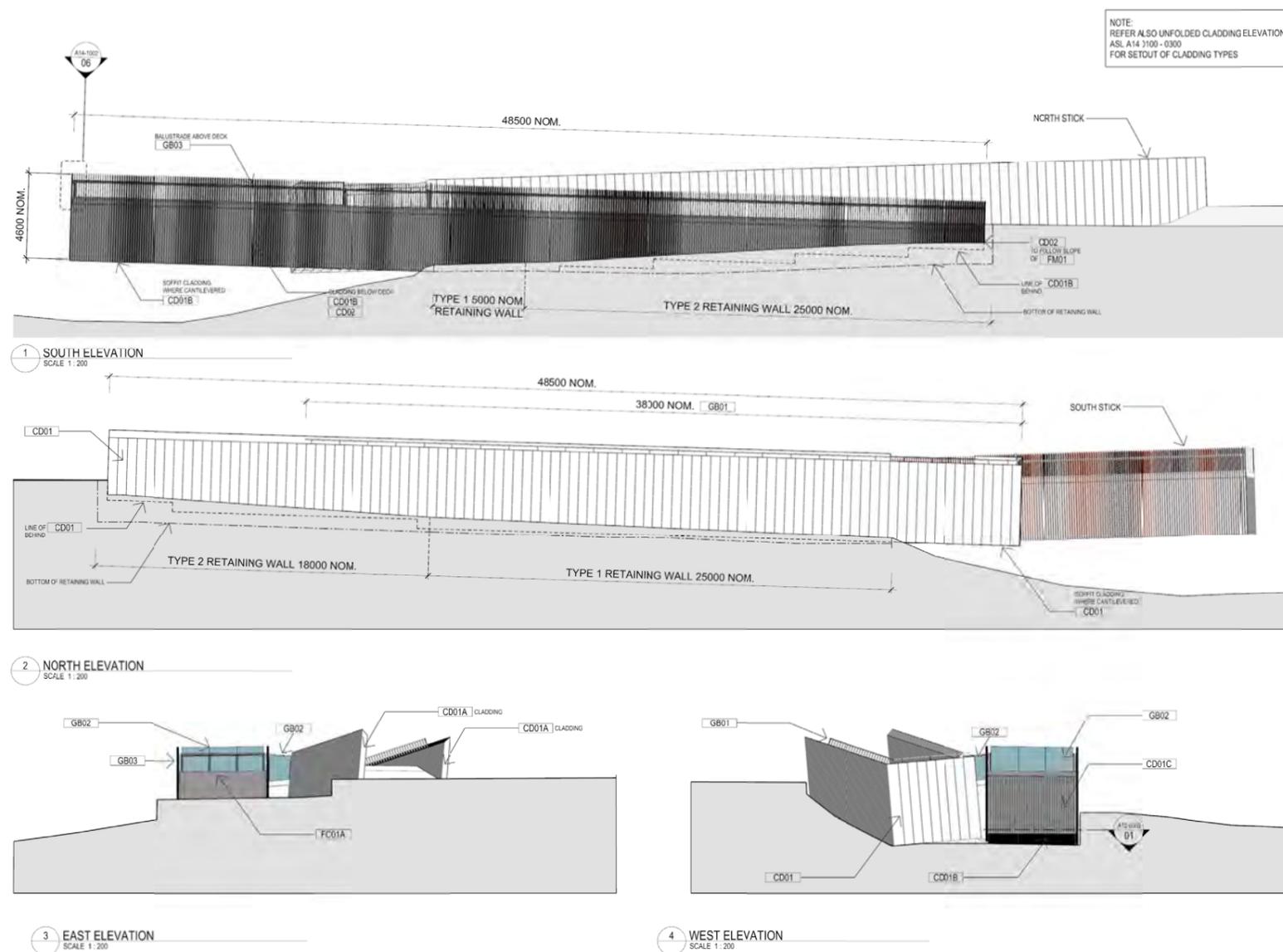
South Stick Incline; -3%

The incline of the North Stick is a similar angle to the natural landscape – allowing for reduced ground excavation works on site and also giving it the impression of ‘slipping down’ the hill.

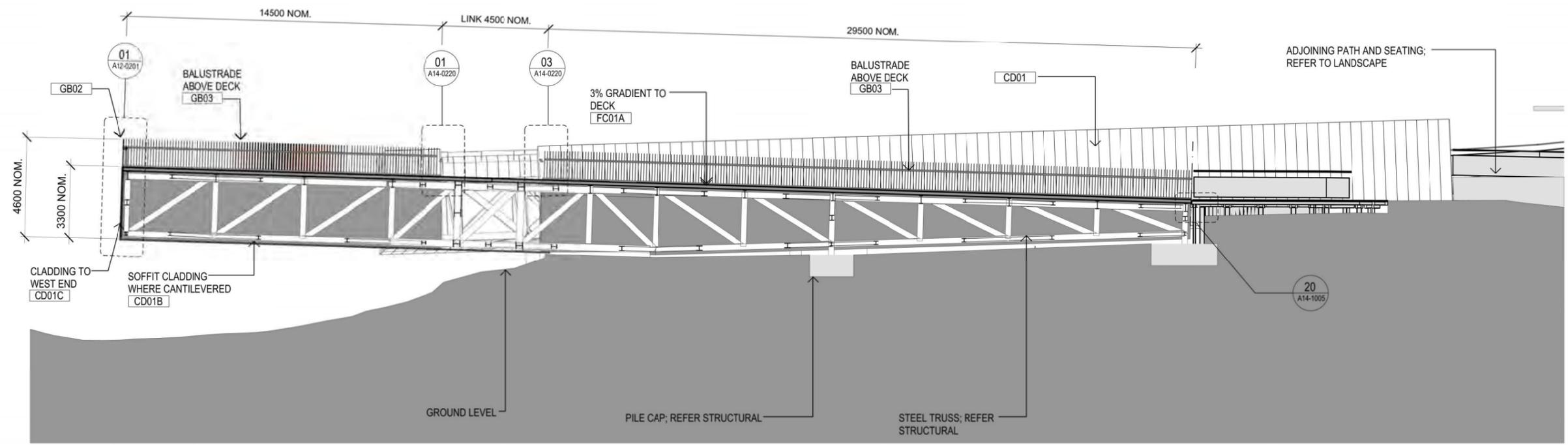
The incline of the South Stick is opposite to the gradient of the North Stick. These opposing angles further differentiate the forms from each other.

Cross-Sectional Rotation

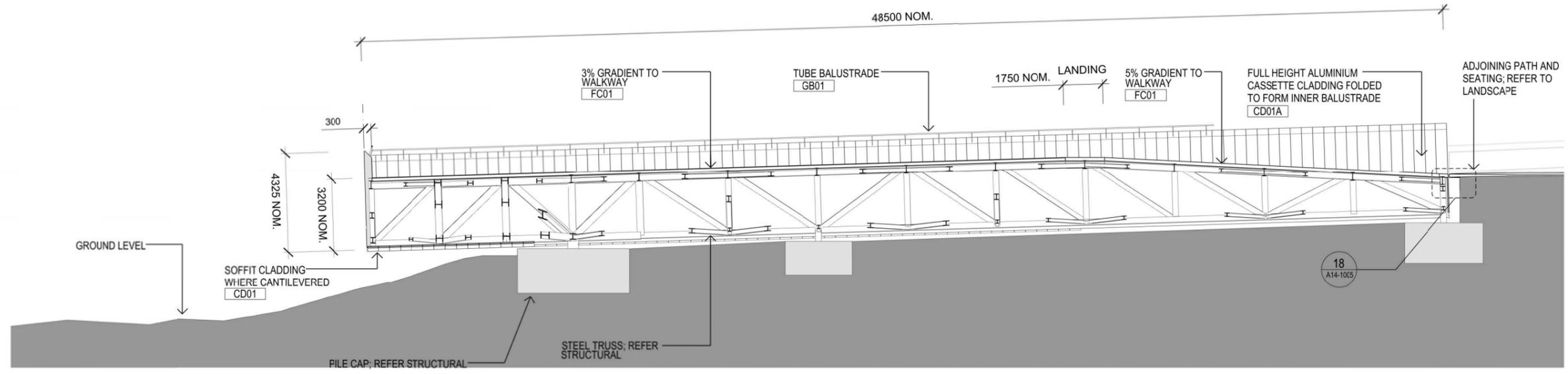
The North Stick has a 5 degree rotation in cross-section. This rotation creates a more dynamic expression, suggesting the Stick rolling off the cliff edge and a deliberately unsettling experience for the user.



General Notes
 Do not scale from drawing. Use marked dimensions.
 To be read in conjunction with all other Consultant's drawings.
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A SECTION AA - (THROUGH SOUTH STICK)
 SCALE 1:200



B SECTION BB - (THROUGH NORTH STICK)
 SCALE 1:200



ISSUED FOR CONSTRUCTION

No.	Date	App	Revision or reason for issue
C1	2019-04-02		Issued for CONSTRUCTION

**DENTON
 CORKER
 MARSHALL**

Architect
 Denton Corker Marshall Pty Ltd
 Level 19, 55 Collins Street
 Melbourne Victoria 3000
 Australia
 T +61 3 9012 3600
 F +61 3 9012 3601
 E melb@dentoncorkermarshall.com
 dentoncorkermarshall.com

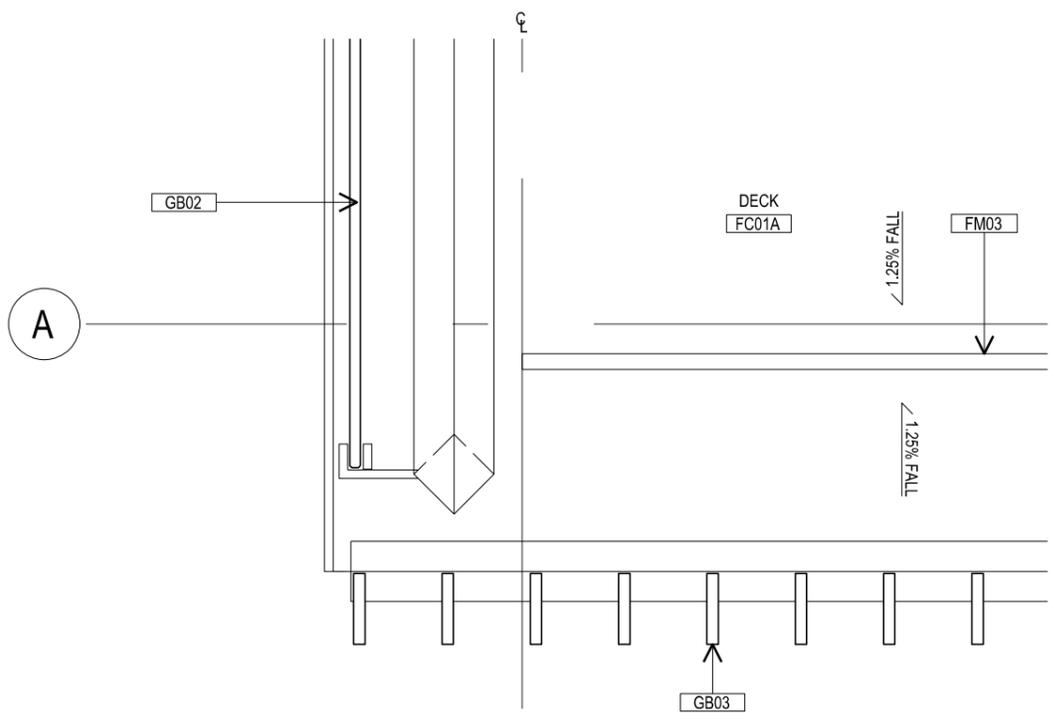
Client
 PARKS VICTORIA, Level 10,
 535 Bourke Street, Melbourne, Victoria, 3000.
 Telephone +613 6427 3875.
 Ron.Parker@parks.vic.gov.au

Project Title
**SHIPWRECK COAST STAGE 1
 PORT CAMPBELL NATIONAL PARK
 APOSTLES SADDLE LOOKOUT**

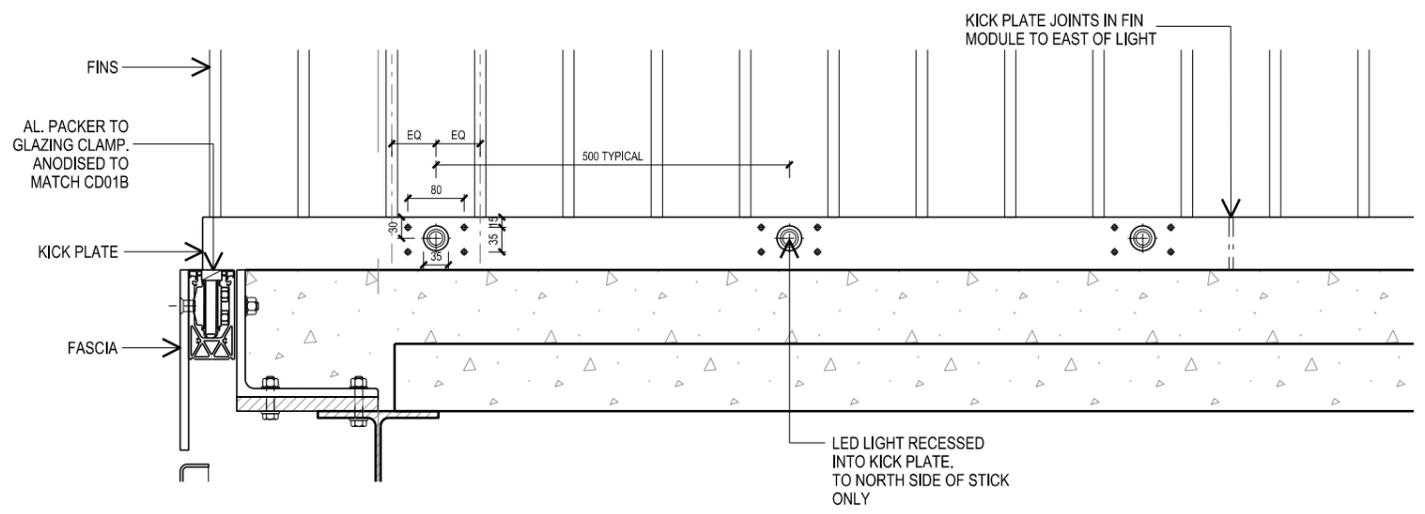
Project Number	Drawing Number	Revision
D0163	ASL-A12-0100 C1	
Drawn By M.G.	Checked By TR	

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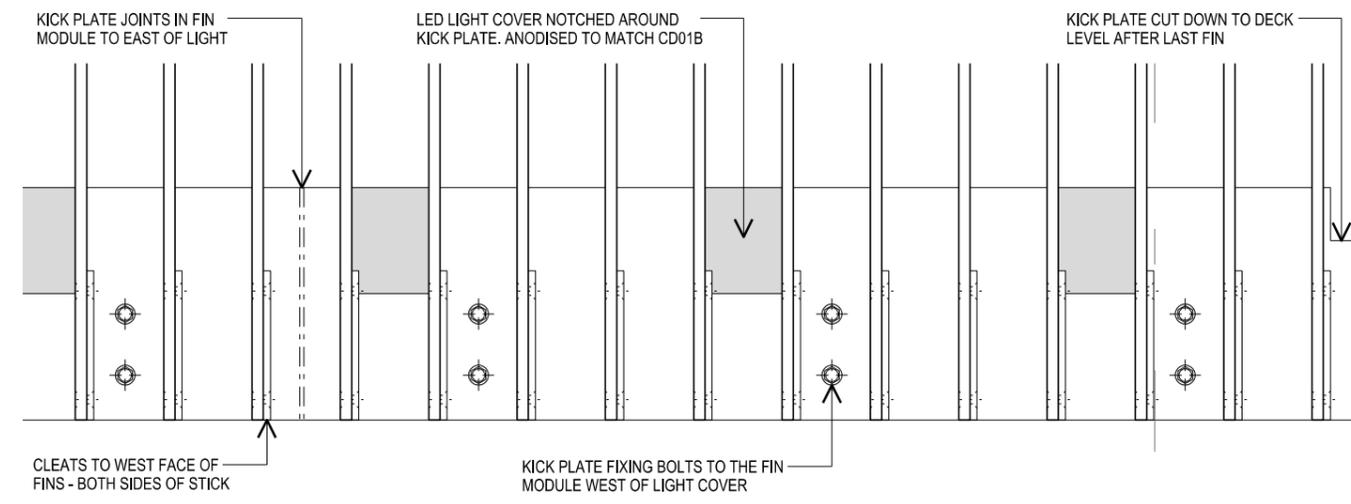
TUFNOL ISOLATION
 PLATE, WASHERS + SLEEVES
 BETWEEN ALL DISSIMILAR METALS



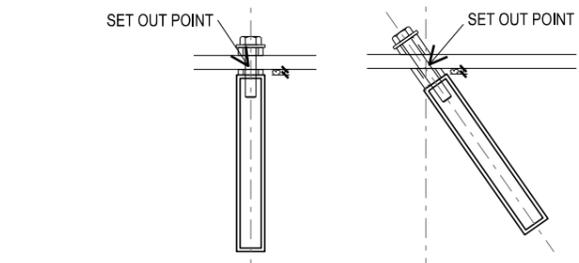
06 SOUTH STICK - PLAN DETAIL BALUSTRADE LEVEL WEST END
 1:5@A3



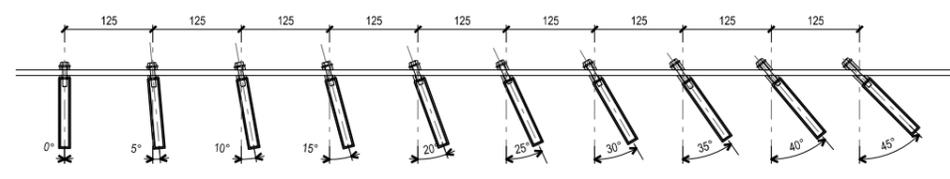
07 SOUTH STICK - KICK PLATE ELEVATION WEST END - INTERNAL
 1:5@A3



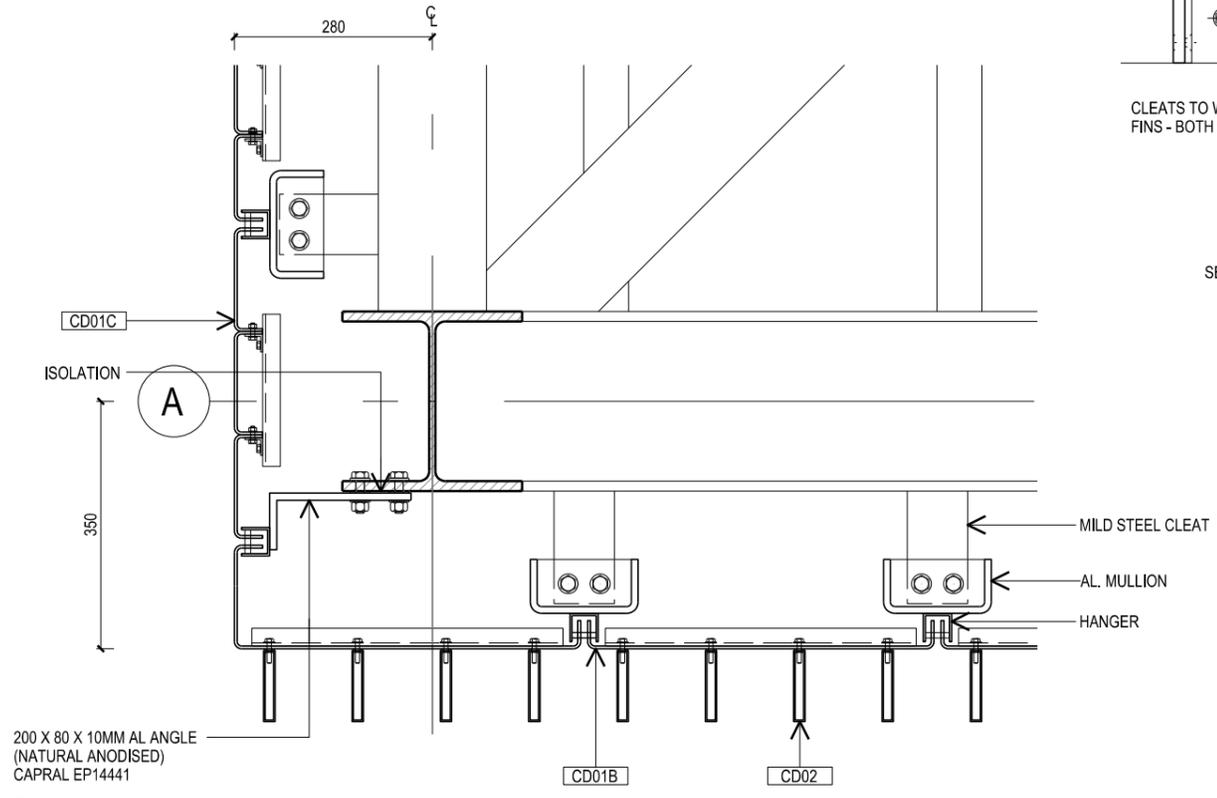
11 SOUTH STICK - KICK PLATE ELEVATION WEST END - EXTERNAL
 1:5@A3



10 SOUTH STICK - PLAN DETAIL STICK SET-OUT
 1:2@A3



09 SOUTH STICK - PLAN DETAIL STICK ANGLE VARIANTS
 1:5@A3



08 SOUTH STICK - PLAN DETAIL WEST END
 1:5@A3

Scale / North Point
 1:10 @ A3 0 0.10 0.20 0.40M

Drawing Status
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**DENTON
 CORKER
 MARSHALL**

Architect
 Denton Corker Marshall Pty Ltd
 Level 19, 55 Collins Street,
 Melbourne, Victoria, 3000,
 Australia
 T +61 3 9012 3600
 F +61 3 9012 3601
 E melb@dentoncorkermarshall.com.au
 dentoncorkermarshall.com

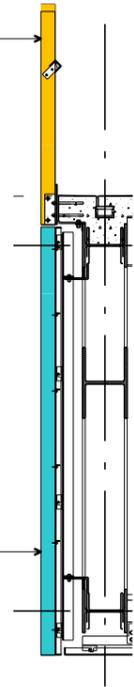
Project Title
**SHIPWRECK COAST
 STAGE 1
 PORT CAMPBELL NATIONAL PARK**
 Client
 Parks Victoria
 Level 10, 535 Bourke Street, Melbourne, Victoria, 3000
 Telephone +613 8427 3875
 Ron.Parker@parks.vic.gov.au

Drawing Title
**SOUTH STICK
 CLADDING DETAILS 03**

Project Number Drawing Number Revision
D0163 ASL-A14-1002 C1
 Project File Issue Date
 02.04.19

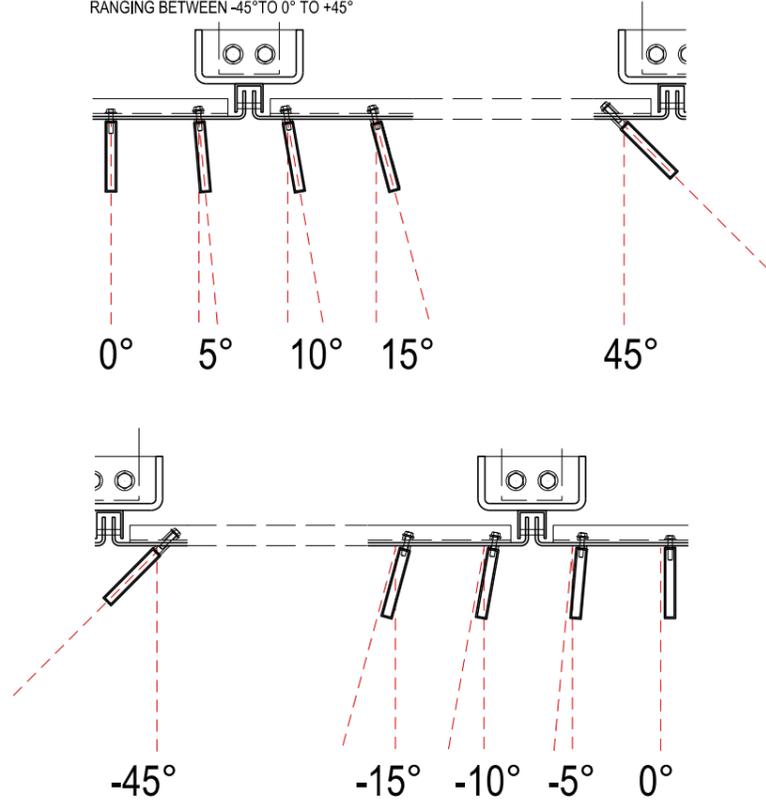
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BALUSTRADE INDICATED BY SUFFIX 'B'



FIN INDICATED BY SUFFIX 'F'

DEGREES SETOUT ± (x)° FROM PERPENDICULAR TO CLADDING. DEGREES IN INCREMENTS OF 5° RANGING BETWEEN -45° TO 0° TO +45°



LENGTH NOM. (m)	
Total	1229.72
Half Section	564.54
Plate	675.14

ROTATION	FIN QUANTITY
0 Degrees	147
5 Degrees	6
10 Degrees	14
15 Degrees	22
20 Degrees	25
25 Degrees	23
30 Degrees	21
35 Degrees	20
40 Degrees	30
45 Degrees	43

COLOUR TYPE	FIN QUANTITY
1 RED	32
2 DARK RED	20
3 BROWN	19
4 DARK BROWN	280

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Scale / North Point

Drawing Status
ISSUED FOR CONSTRUCTION

No. Date Dwn Ck App Revision or reason for Issue
 C1 2019-04-02 Issued for CONSTRUCTION

No. Date Dwn Ck App Revision or reason for Issue

No. Date Dwn Ck App Revision or reason for Issue

**DENTON
 CORKER
 MARSHALL**

Architect
 Denton Corker Marshall Pty Ltd
 Level 19, 55 Collins Street,
 Melbourne, Victoria, 3000,
 Australia
 T +61 3 9012 3600
 F +61 3 9012 3601
 E em@dentoncorkermarshall.com.au
dentoncorkermarshall.com

Project Title
**SHIPWRECK COAST
 STAGE 1
 PORT CAMPBELL NATIONAL PARK
 APOSTLES SADDLE LOOKOUT**
 Client
 Parks Victoria
 Level 10, 535 Bourke Street, Melbourne, Victoria, 3000
 Telephone +613 8427 3875
Ron.Parker@parks.vic.gov.au

Drawing Title
**BALUSTRADE FIN SCHEDULE
 NORTH FIN SCHEDULE**
 Project Number
D0163
 Drawing Number
ASL-ASC-0010
 Revision
C1
 Project File
SHEET 1 OF 4
 Issue Date
 02/04/19

Stakeholder Engagement - OVGA

The design team presented the updated concept design proposals to the Office of the Victorian Government Architect (OVGA) on 2 May 2018. This presentation focused on the concept design amendment proposal to omit the roof on the north block at the Saddle and simplify the bridge mast design. The verbal and written feedback from the Government Architect was supportive of the design proposals.

A formal workshop with the Victorian Design Review Panel (VDRP) was held on 9 August 2018 at which the designs for all three sites were presented to a panel of advisers and invited stakeholders. These stakeholders included Councillors and Senior Officers from Corangamite Shire Council. The panel and stakeholders were invited to ask questions and comment on the proposals, with the panel then discussing the designs in an open forum.

It should be noted that the original programmed date for the VDRP workshop was 26 June, at the beginning of Design Development. The design team was ready to present at that time, but it was delayed to accommodate stakeholder/PV process and senior PV attendance. The resulting two month delay in receiving feedback well in to DD phase, considering options and incorporating amendments has impacted the design process and programme.

Verbal feedback at the workshop was formalised with detailed written responses and recommendations a week after the workshop. Refer to the Stakeholder Comments Summary included in Appendices for details of the comments and the design team and PV responses to them. Key feedback from the process and the design teams responses follow.

Saddle Lookout

Supportive of the design approach of distinctive geometric forms in the landscape. Retain original concept by reinforcing the rectilinear clarity of the sticks and further differentiating between the two. Achieved by:

- colour contrast of black and white (note comments below).
- finishes contrast (solid flat panels to the north stick and varying, angled fins to the south).

Recommendation to incorporate a more nuanced use of colour on the south stick to respond to viewpoints. The south stick is the most prominent element of the lookout in the broader context and viewed from a (typically ground based) distant perspective. In contrast, the north stick is predominantly viewed by visitors already within the tourist precinct.

- The revised colour response for the south stick includes adding 'more natural' colour tones from the landscape to the black and red, plus rotating the fins to vary the external reading depending upon the viewpoint. The effect is to more sympathetically relate the skin to the cliff rock tones when viewed from sensitive viewpoints.
- There are three key view locations of the south stick; Gibson Steps, Great Ocean Road and the exit path from the south stick. Views from Gibson Steps and Great Ocean Road will emphasise earthy landscape tones, while from the exit of the south stick the feature red and black will be visible. The latter will be complemented by highlights of sulphur yellow on the white stick, expressing the black and white cockatoo moieties of local Aboriginal significance.



Saddle Lookout - Current Design



Saddle Lookout - Reviewed at OVGA VDRP, August 2018