

BUNG YARDA, LAKE TYERS ABORIGINAL TRUST
BOAT RAMP ACCESS ROAD



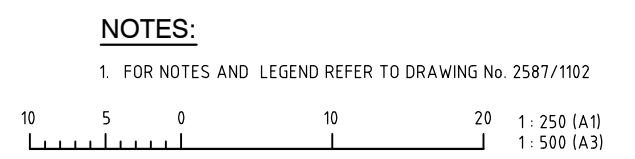
LOCALITY PLAN

NOT TO SCALE

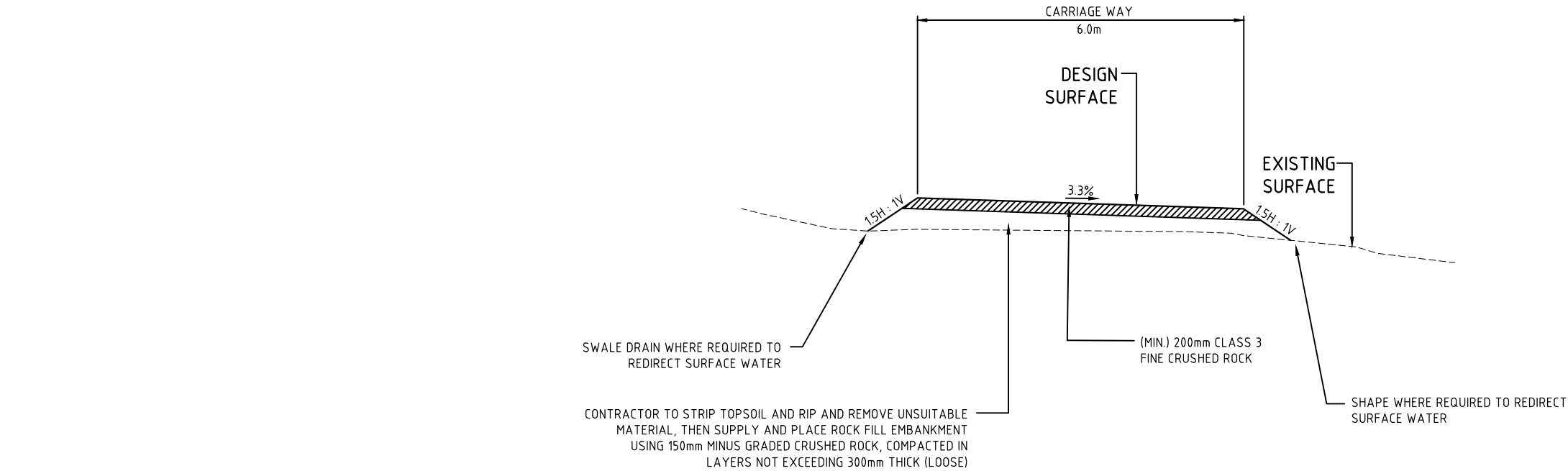
DRG. No.	DESCRIPTION
2587/1100	LOCALITY PLAN AND DRAWING LIST
2587/1101	OVERALL LAYOUT PLAN
2587/1102	DETAIL LAYOUT PLAN
2587/1103	DESIGN SETOUT PLAN
2587/1104	TYPICAL SECTIONS - SHEET 1 OF 2
2587/1105	TYPICAL SECTIONS - SHEET 2 OF 2
2587/1106	SURVEY (EXISTING SITE)

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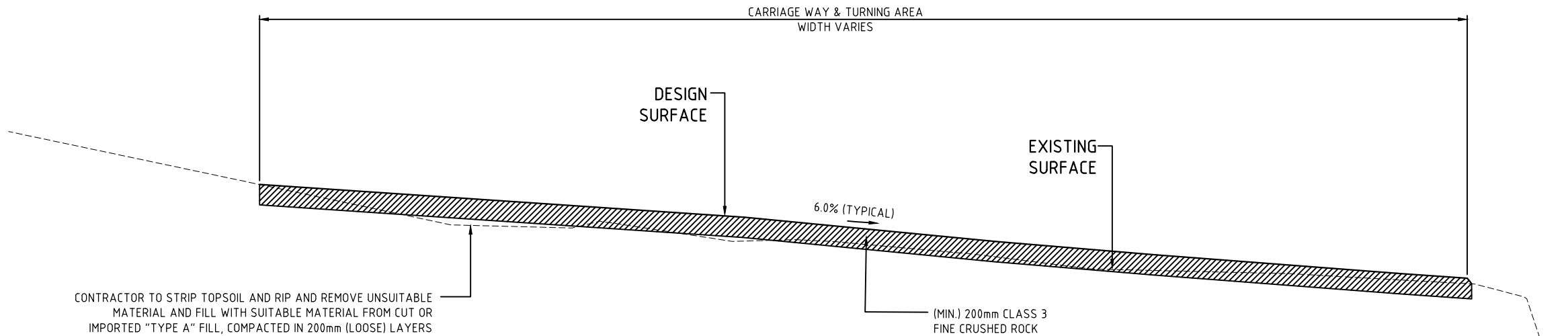


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SECTION B - B

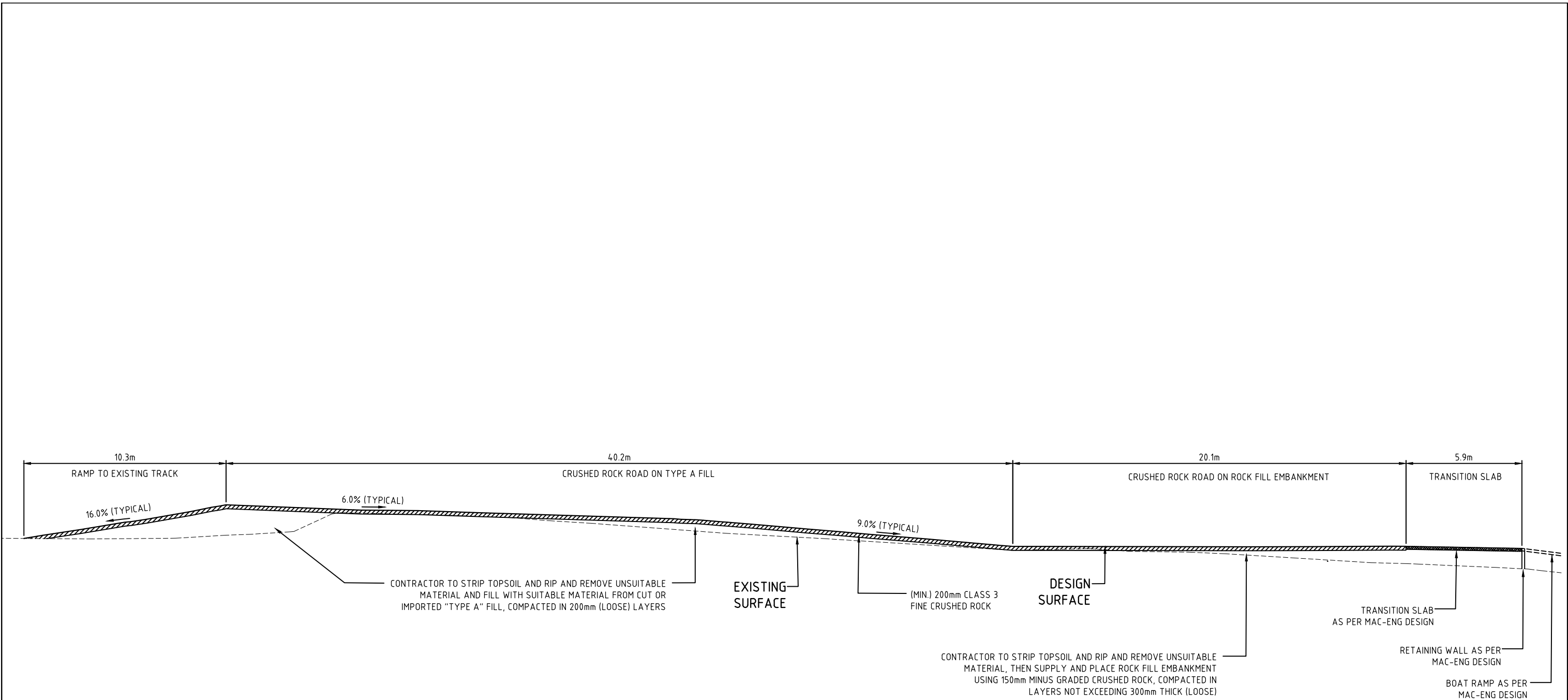
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VERTICAL SCALE = 2 X HORIZ SCALE



SECTION A - A

SCALE: 1:100 AT A3
VERTICAL SCALE = 2 X HORIZ SCALE

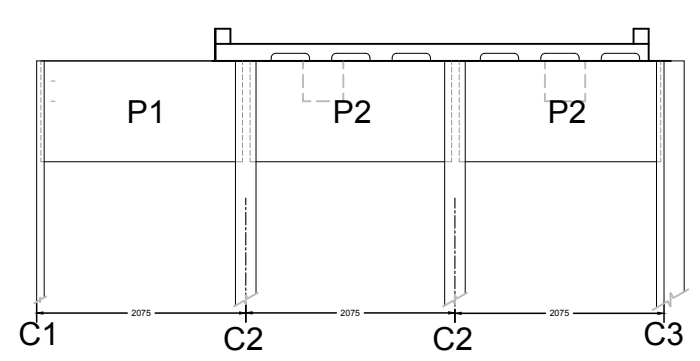
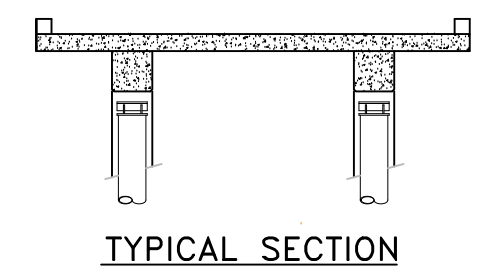
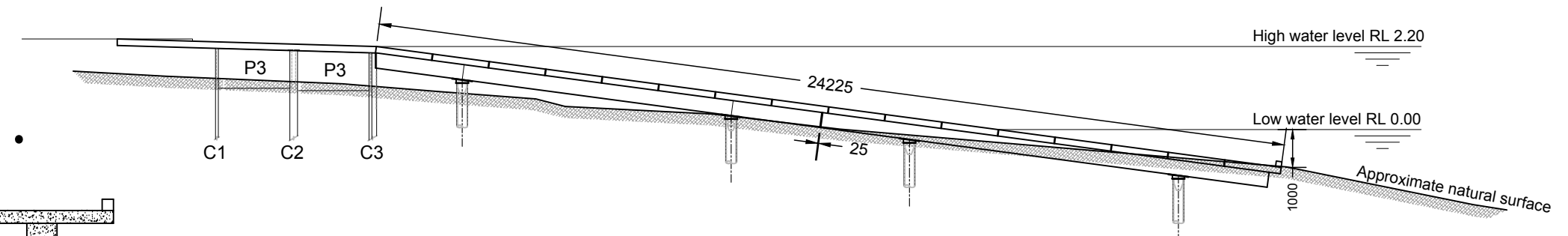
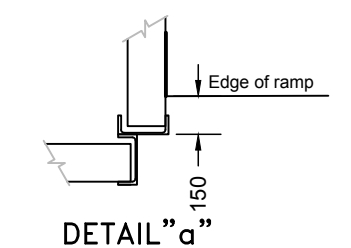
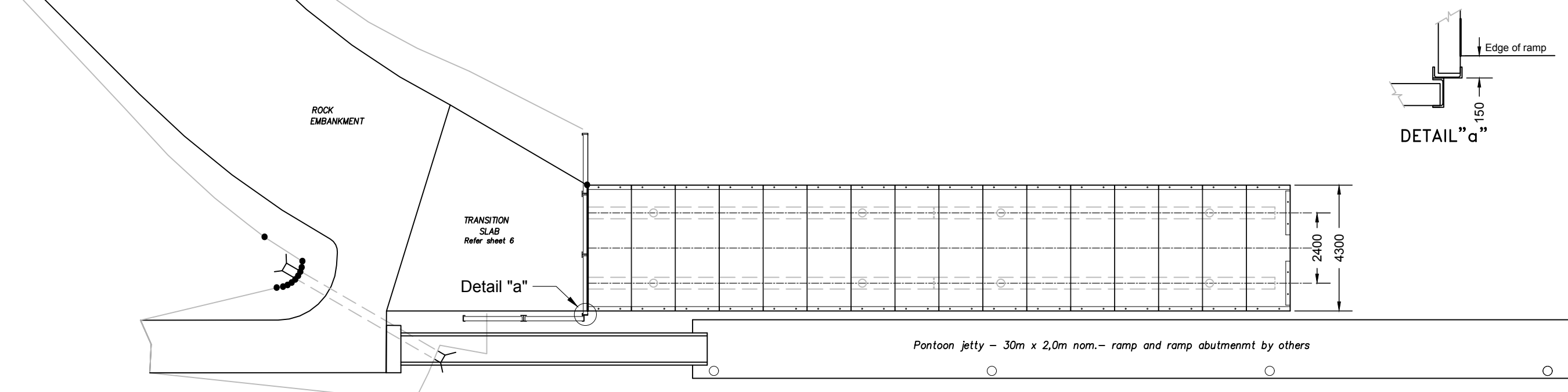
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B	M.S.	02-05-2025	GENERAL COMMENTS AND AMENDMENTS	This document is produced by Crossco Consulting Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Crossco Consulting Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document. The design information contained in these drawings is precedent to any digital set-out information associated with this design. Digital information is provided on the basis that it is scanned by the recipient for viruses and checked by the recipient as being suitable and accurate for the intended purpose. Crossco Consulting accepts no responsibility for dimensions, levels, quantities or any other information that is derived directly from the digital information. Crossco Consulting accepts no responsibility for loss or damage resulting from use of the digital information. No part of the digital information may be used for the preparation of drawings for other projects.																				TYPICAL SECTIONS - SHEET 1 OF 2				2587/1104	
A	M.S.	17-04-2025	ORIGINAL ISSUE																										
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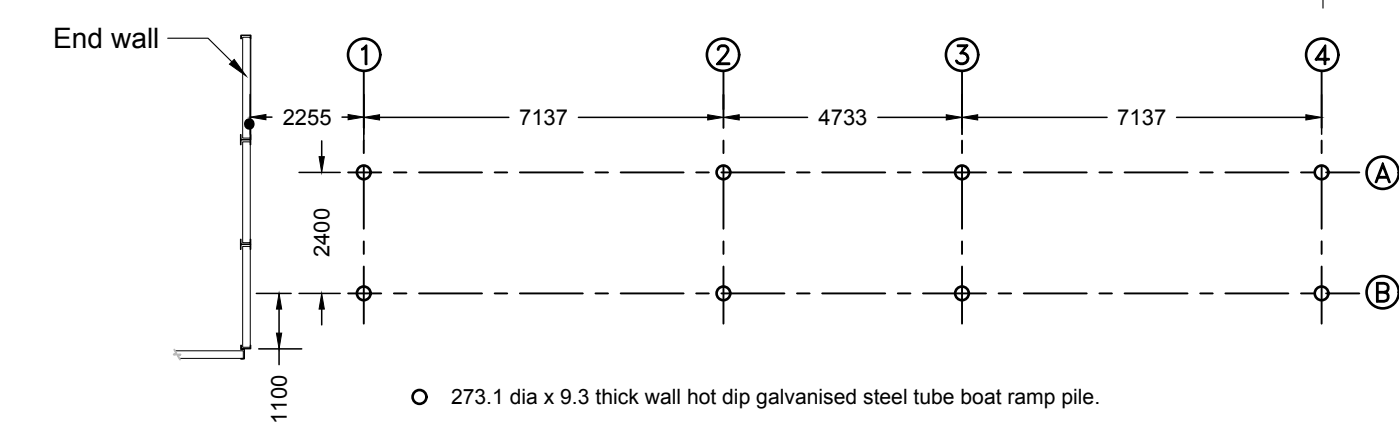
SECTION C - C
NOT TO SCALE

- NOTES:
1. PLACEMENT OF ROCK FILL EMBANKMENT IN VICINITY OF THE TRANSITION SLAB AND RETAINING WALLS MUST OCCUR AFTER RETAINING WALL CONSTRUCTION.

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B	M.S.	02-05-2025	GENERAL COMMENTS AND AMENDMENTS																		DRAWING No:		B					
A	M.S.	17-04-2025	ORIGINAL ISSUE																									
RV.	APPR.	DATE	REVISIONS																		TYPICAL SECTIONS - SHEET 2 OF 2		2587/1105					



VIEW AT END WALL
Refer sheet 6 for detail

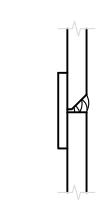


○ 273.1 dia x 9.3 thick wall hot dip galvanised steel tube boat ramp pile.

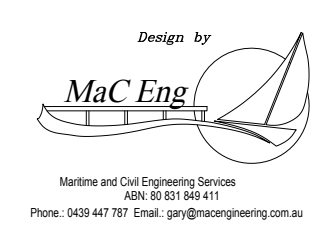
Piles shall be driven to a design capacity of 140kN.

Tolerances:
Positions shown are at nominal finished level; dimensions are measured horizontally.
Pile finished level for steel tube ramp piles ± 3 mm.
Pile position ± 25 mm horizontally.
Distance between piles ± 25 mm horizontally.
Maximum out of vertical 1%
*Nominal pile length from finished level to toe depth of RL -14.0 is length required from theoretical calculations to obtain required geotechnical capacity based on geotechnical information.
Piles to be filled with non structural grout at time of placing boat ramp beams.

FINISHED LEVEL OF PILES		
Pile Bent	Pile Rows A & B	
	RL (AHD)	Nominal pile length required*
No. 1	1.225	15.3
No. 2	0.274	14.3
No. 3	-0.358	13.7
No. 4	-1.309	12.7



PILE SPLICE DETAIL
(If Required)
Full penetration butt weld with 50 x 6 backing ring

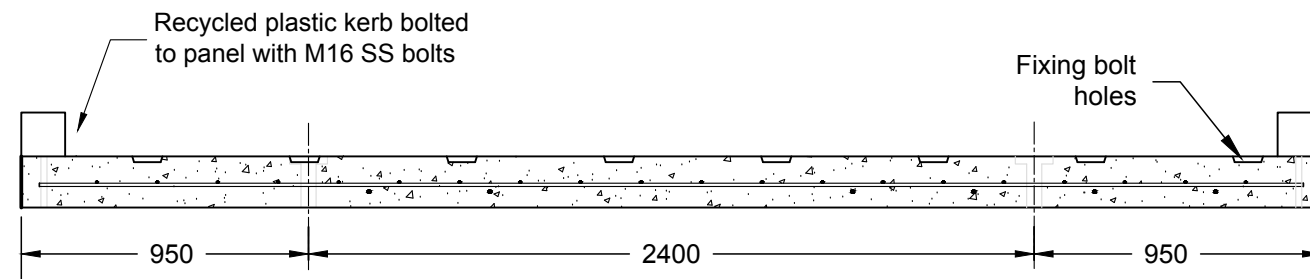


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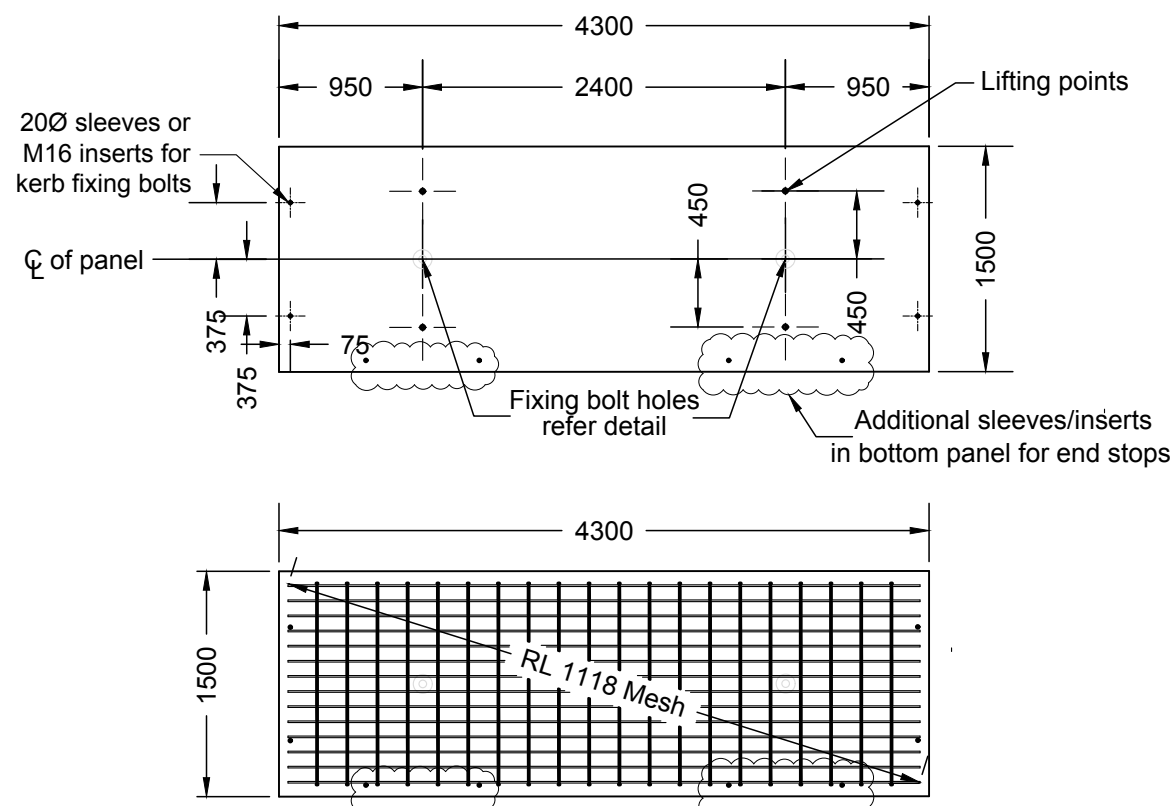
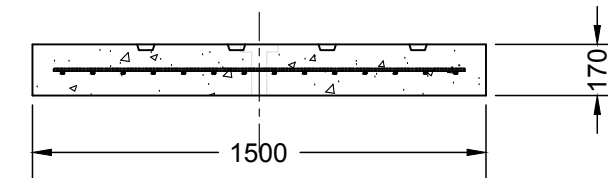
Drawn: G J Lugton
Date: April 2025
Checked:
Date:
File Reference:
Contract No.

GIPPSLAND PORTS
BUNG YARDA LAKE TYERS ABORIGINAL TRUST
BOAT RAMP
General Arrangement & Pile Plan

Revision: A
Scale: 1:50
Sheet Size: A3
Sheet 1 of 7
Drawing No.

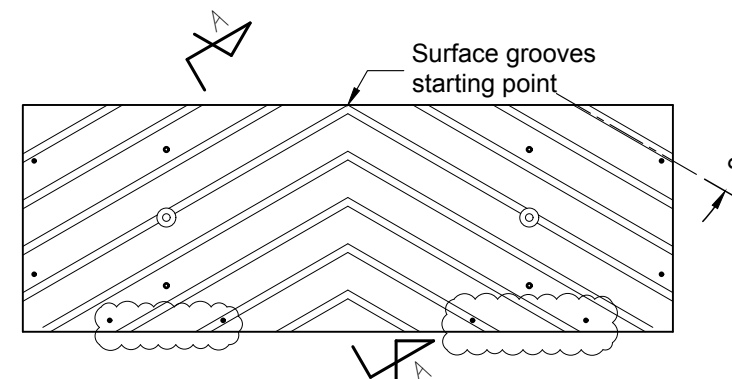
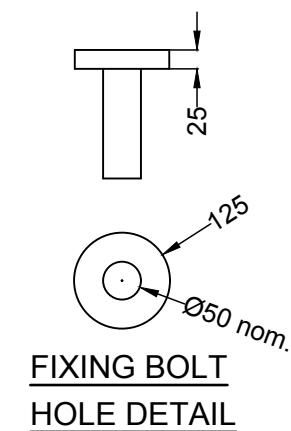
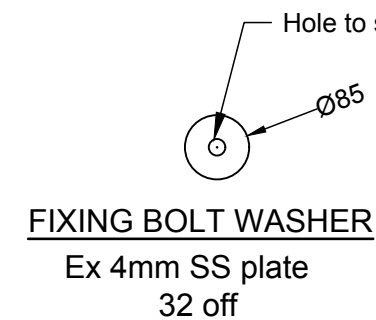


TYPICAL CROSS SECTION



REINFORCING PLAN

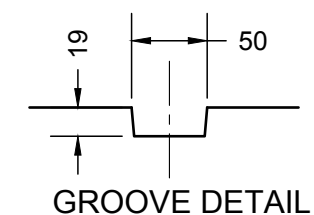
Estimated weight of panels 2,300kg ± 50kg.



PANEL DETAIL
16 off as drawn.



SECTION at AA



GROOVE DETAIL

SURFACE GROOVE PLAN

NOTES:

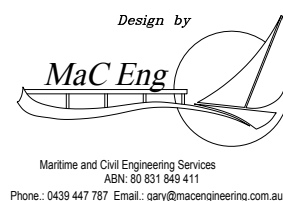
Concrete: Marine Grade 50mPa.

Minimum cover to all reinforcing 60mm.

All insert to be stainless steel compatible with grade 316 stainless steel bolts.

Panel should be fixed to beams using Grade 316 SS bolts.

alternatively, SS althread may be placed in inserts and the hole filled with underwater epoxy resin.



Revision Table				
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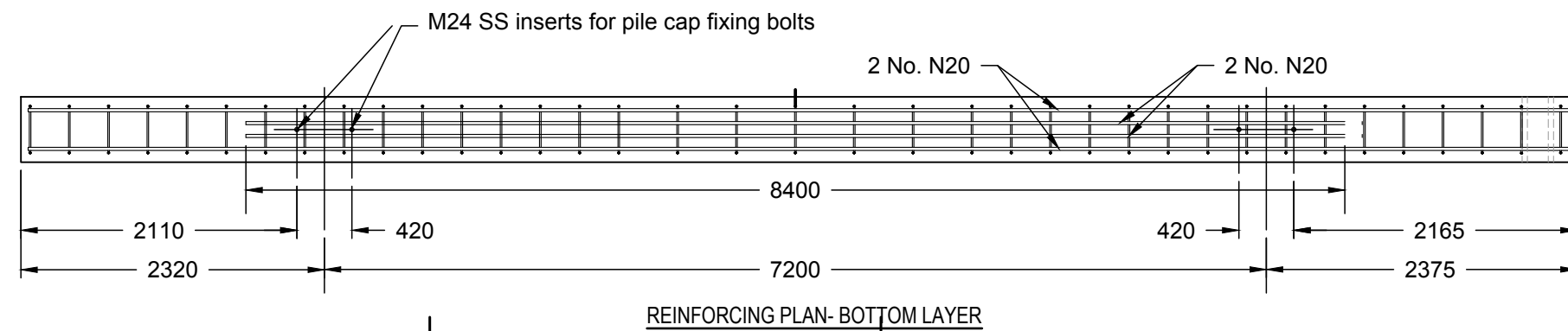
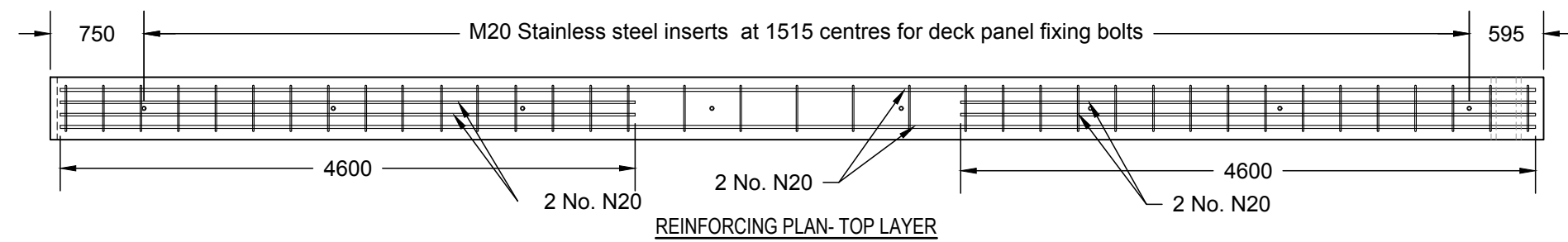
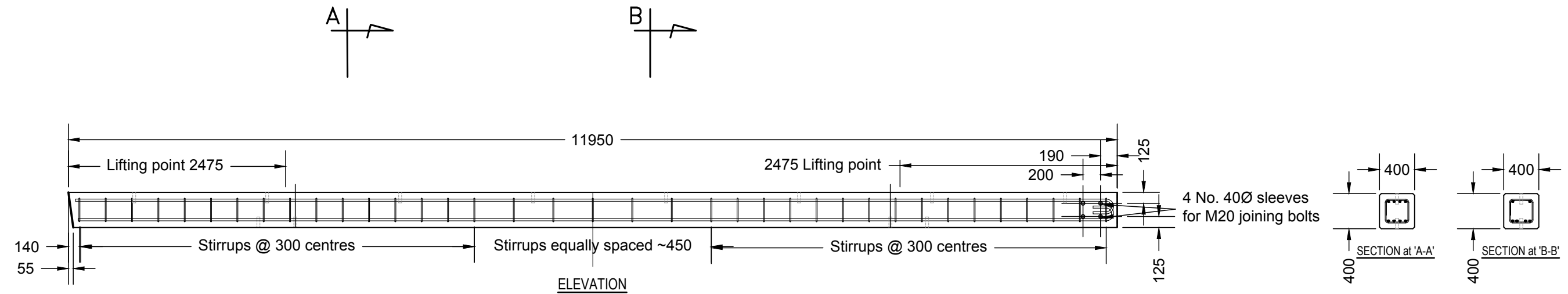
Drawn: G J Lugton
Date: April 2025
Checked:
Date:
File Reference:
Contract No.8770

GIPPSLAND PORTS
BUNG YARDA LAKE TYERS ABORIGINAL TRUST

BOAT RAMP
Panel Detail

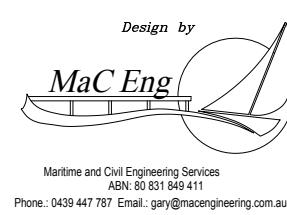
Revision: A
Scale: 1:50
Sheet Size: A3
Sheet 2 of 7
Drawing No.

FOR TENDER



NOTES:
 Concrete: Marine Grade 50mPa.
 Minimum cover to all reinforcing 65mm.
 All insert to be stainless steel compatible with grade 316 stainless steel bolts.
 Estimated weight of beams 4,590kg ± 50kg.

FOR TENDER

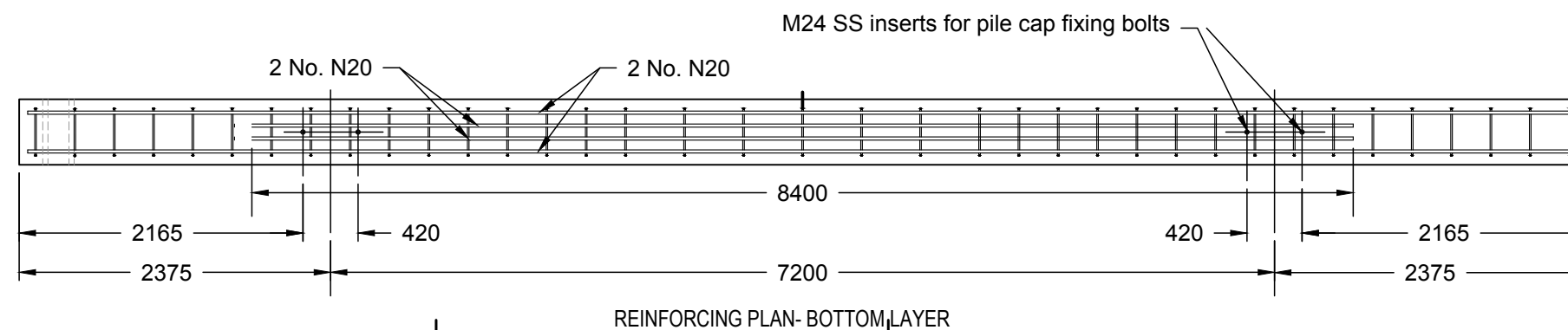
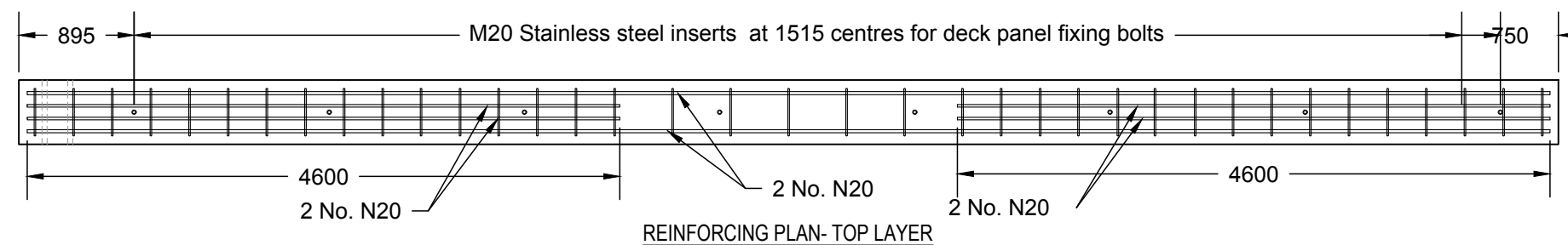
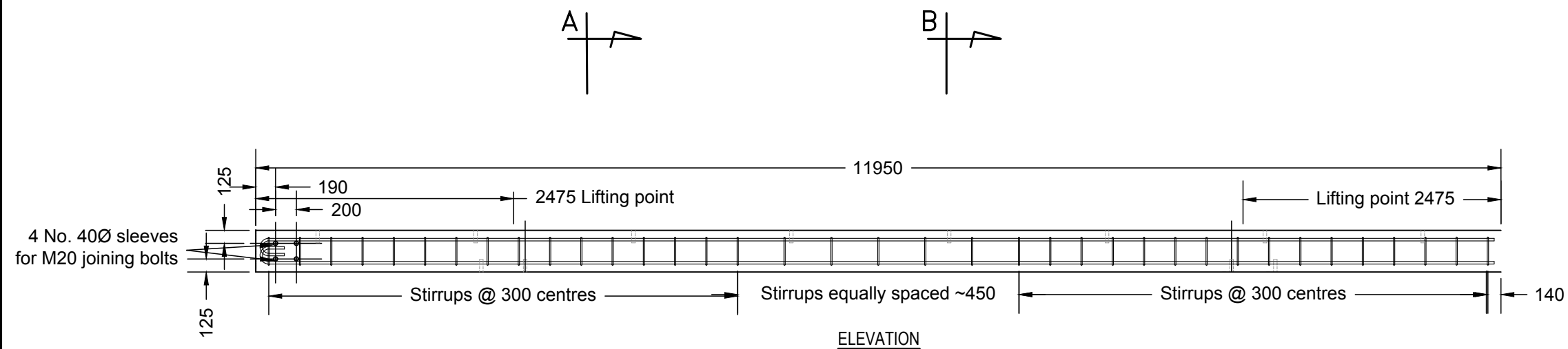


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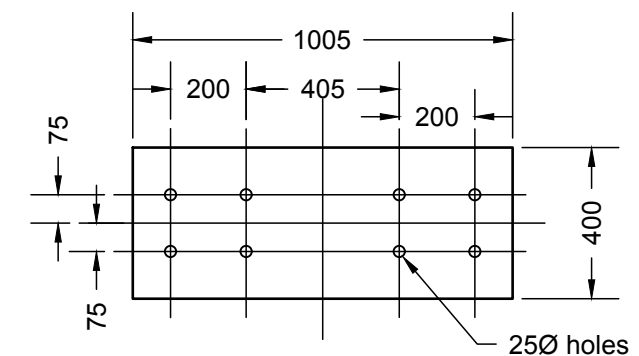
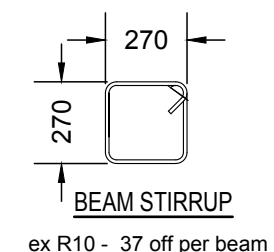
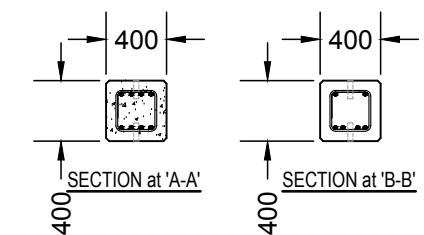
Drawn: G J Lugton
 Date: April 2025
 Checked: C Hodgkins
 Date: May 2025
 File Reference:
 Contract No.8770

GIPPSLAND PORTS
BUNG YARDA LAKE TYERS ABORIGINAL TRUST
BOAT RAMP
UPPER BEAMS

Revision: A
 Scale: 1:50
 Sheet Size: A3
 Sheet 3 of 7
 Drawing No.



BOAT RAMP LOWER SUPPORT BEAMS DETAIL
2 off



OPTIMAL JOINING PLATE

Fixed either side of concrete beams using galvanised M20 bolts
ex 10mm galvanised steel plate - Refer notes on Sheet 1
2 off per beam

NOTES:
Concrete: Marine Grade 50mPa.
Minimum cover to all reinforcing 65mm.
All insert to be stainless steel compatible with grade 316 stainless steel bolts.
Estimated weight of beams 4,590kg ± 50kg.
Upper and lower beams designed with 25mm gap. should finished pile positions result in gap closing to less than 15mm or opening to more than 50mm, then joining plate should be used to fix beams at correct gap.

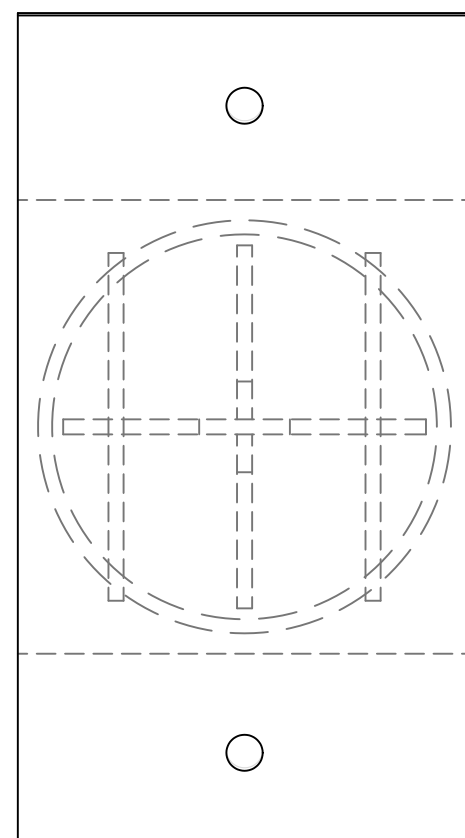
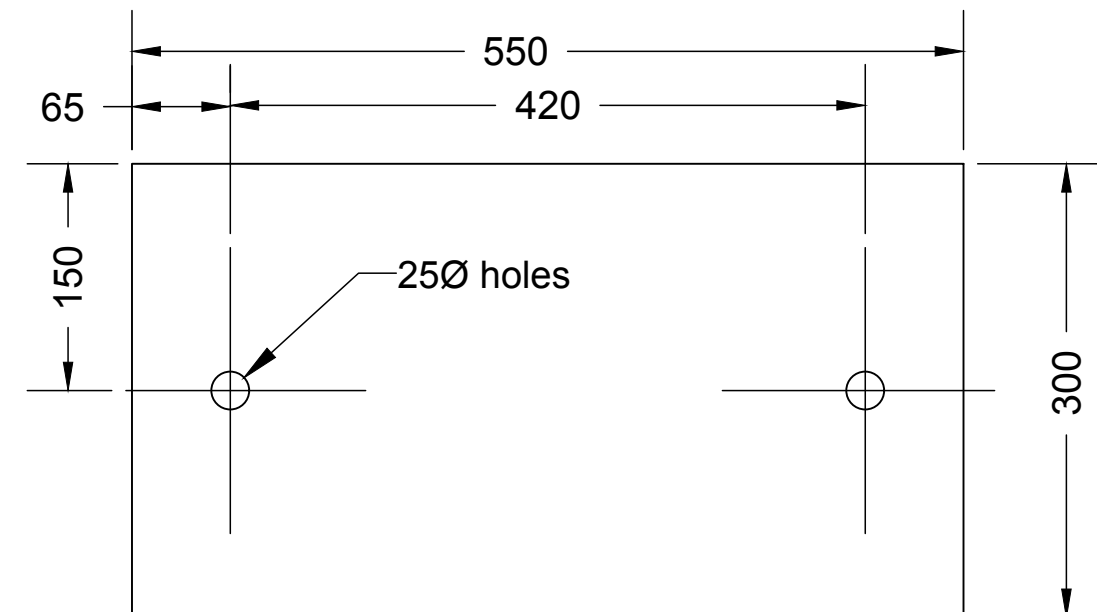
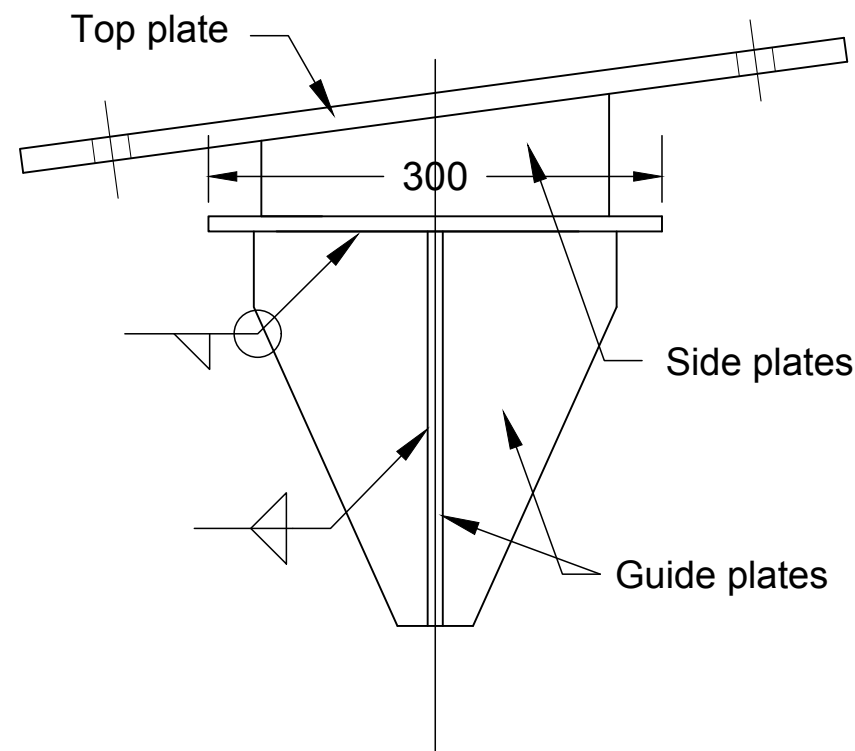
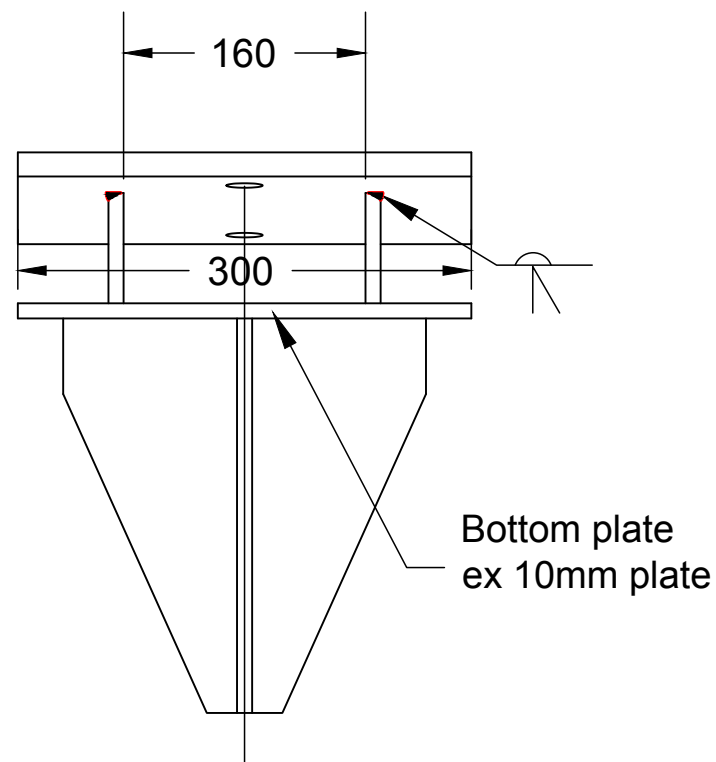
FOR TENDER

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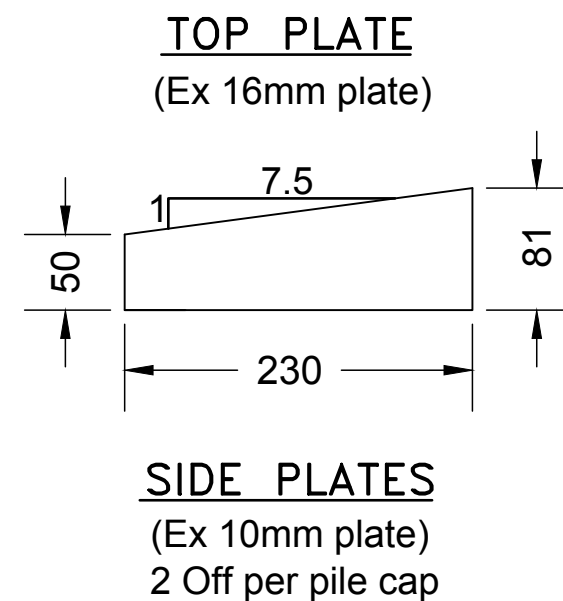
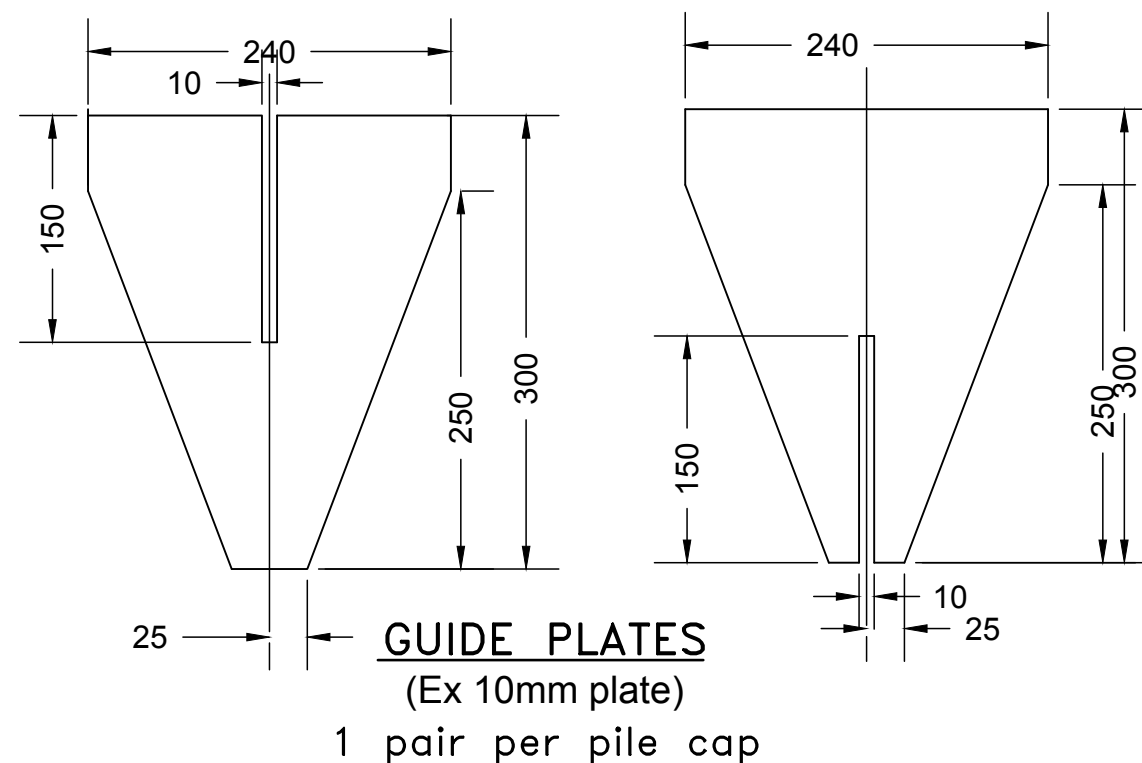
Drawn: G J Lugton
Date: April 2025
Checked: C Hodgkins
Date: May 2025
File Reference:
Contract No. 8770

GIPPSLAND PORTS
BUNG YARDA LAKE TYERS ABORIGINAL TRUST
BOAT RAMP
LOWER BEAMS

Revision: A
Scale: 1:50
Sheet Size: A3
Sheet 4 of 7
Drawing No.



PILE CAP
8 Off



NOTES:
All welds 6mm fillet unless noted otherwise.
Hot dip galvanise after fabrication.

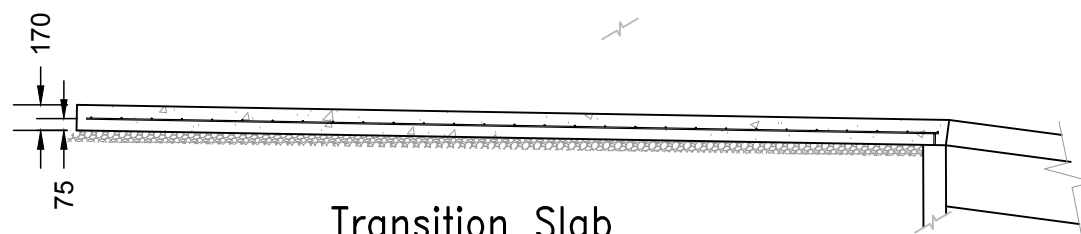
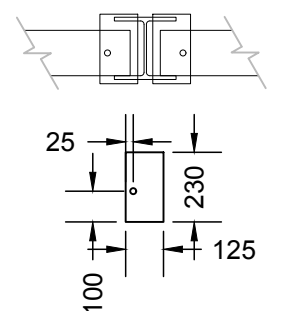
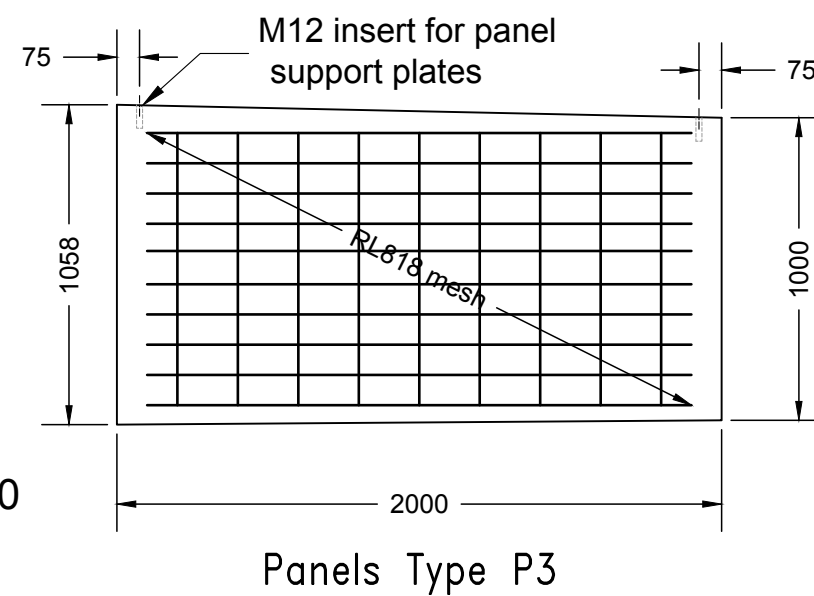
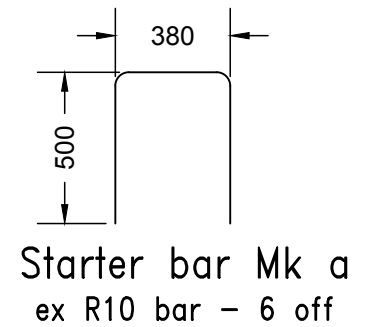
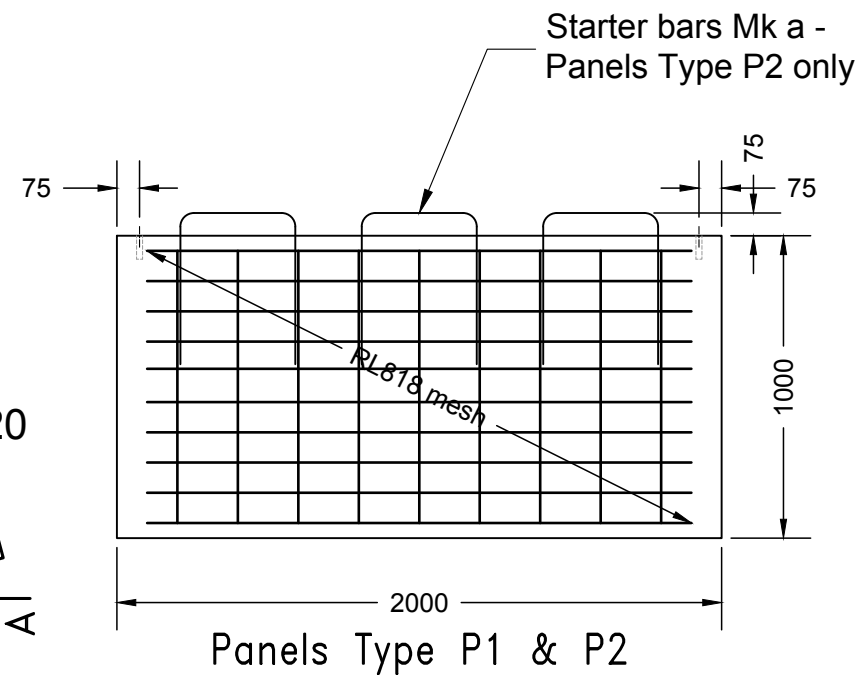
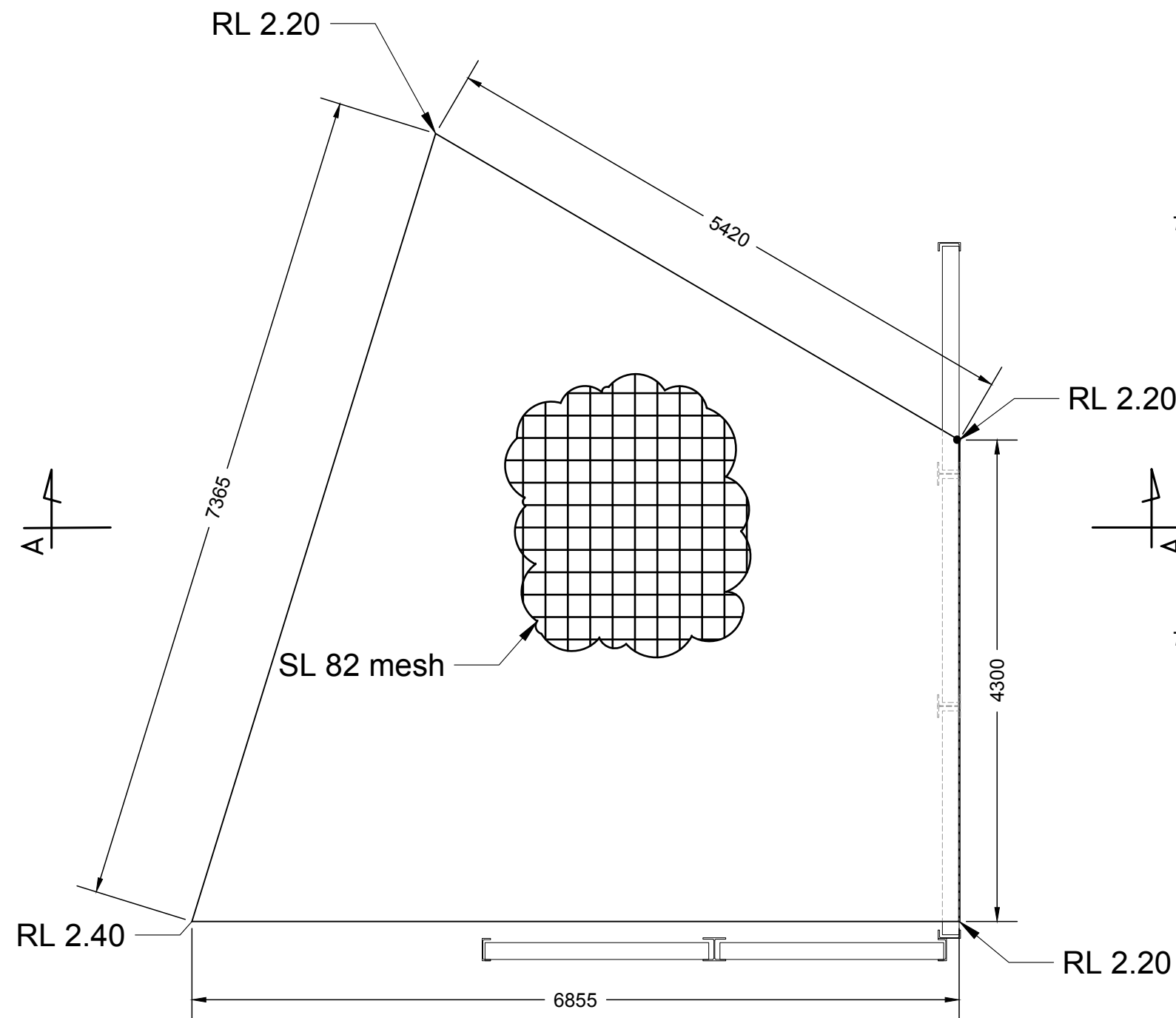
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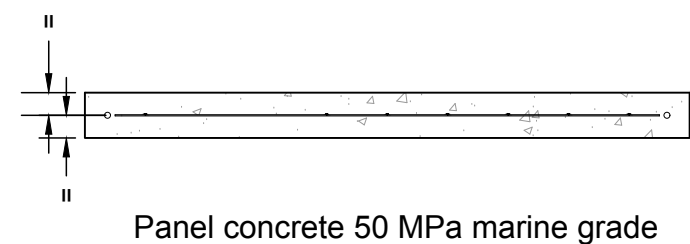
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Date: May 2025
File Reference:
Contract No.8770

GIPPSLAND PORTS
BUNG YARDA LAKE TYERS ABORIGINAL TRUST
BOAT RAMP
Pile Cap Detail

Revision: A
Scale: 1:5
Sheet Size: A3
Sheet 5 of 7
Drawing No.



Transition Slab
Transition slab 32 MPa concrete on 75mm crushed rock bedding



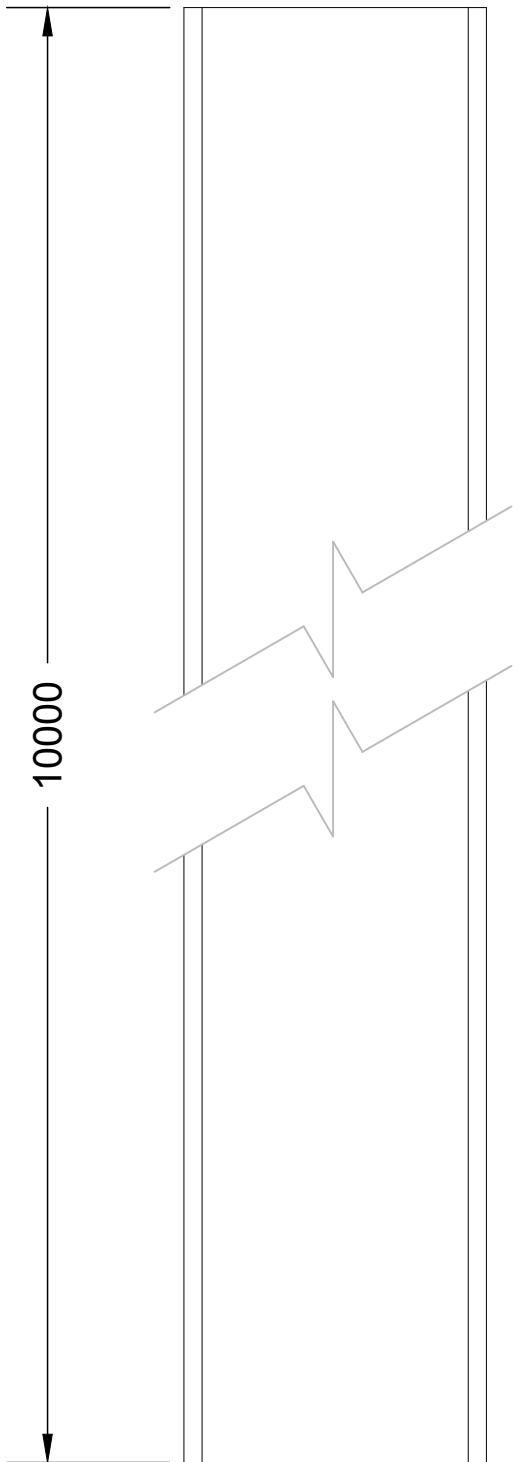
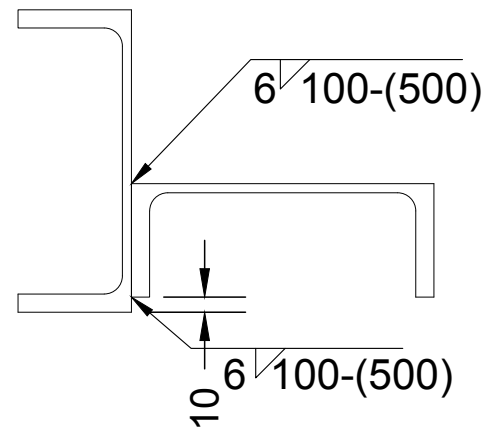
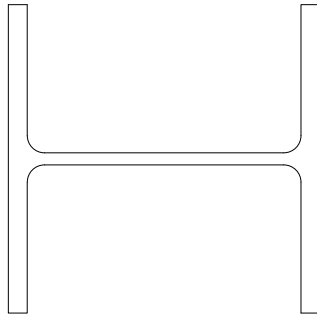
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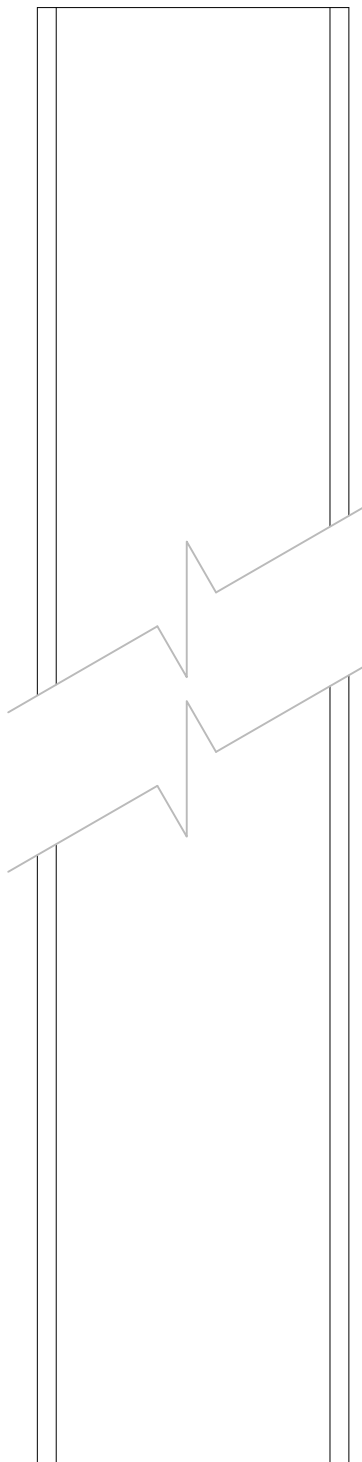
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Date: May 2025
File Reference:
Contract No.8770

GIPPSLAND PORTS
BUNG YARDA LAKE TYERS ABORIGINAL TRUST
BOAT RAMP
Transition Slab & End Wall Panels

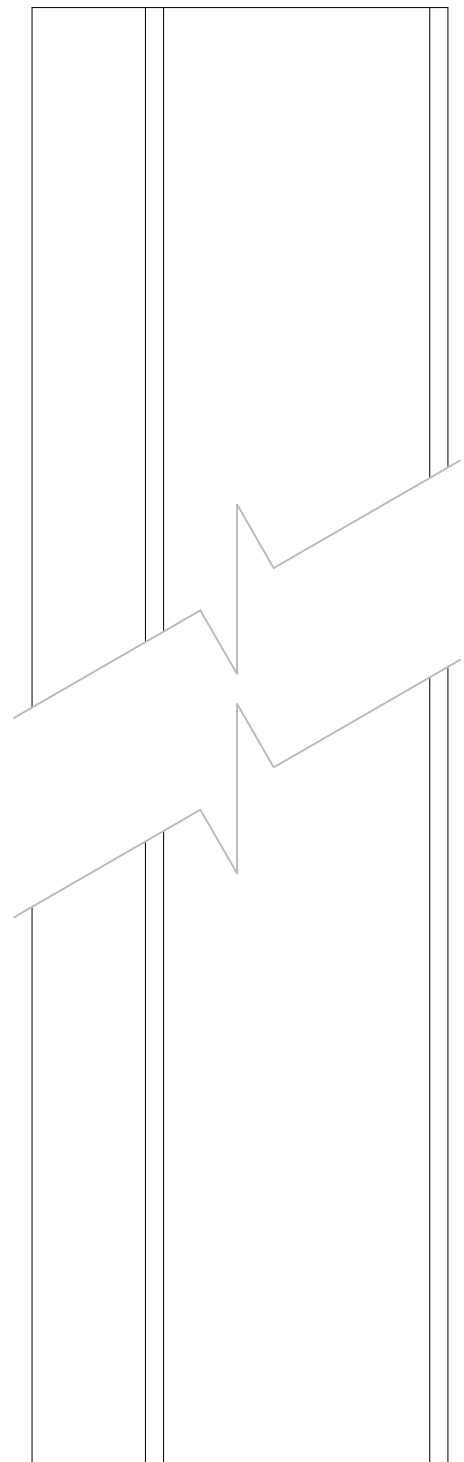
Revision: A
Scale: 1:50
Sheet Size: A3
Sheet 6 of 7
Drawing No.



Columns C1
ex 200PFC
2 off



Columns C2
ex 200UC52
3 off

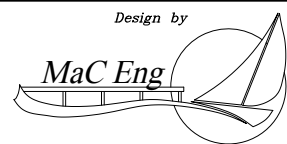


Columns C2
ex 2 x 200PFC
1 off

All columns to be hot dip galvanised

FOR TENDER

Design by



MaC Eng

Maritime and Civil Engineering Services

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Revision Table			
Rev	Date	By	Description

Drawn: G J Lugton
Date: April 2025
Checked: C Hodgkins
Date: May 2025
File Reference:
Contract No. 8770

GIPPSLAND PORTS

BUNG YARDA LAKE TYERS ABORIGINAL TRUST

BOAT RAMP

End Wall Columns

Revision: A
Scale: 1:50
Sheet Size: A3
Sheet 7 of 7
Drawing No.