

PARKS VICTORIA

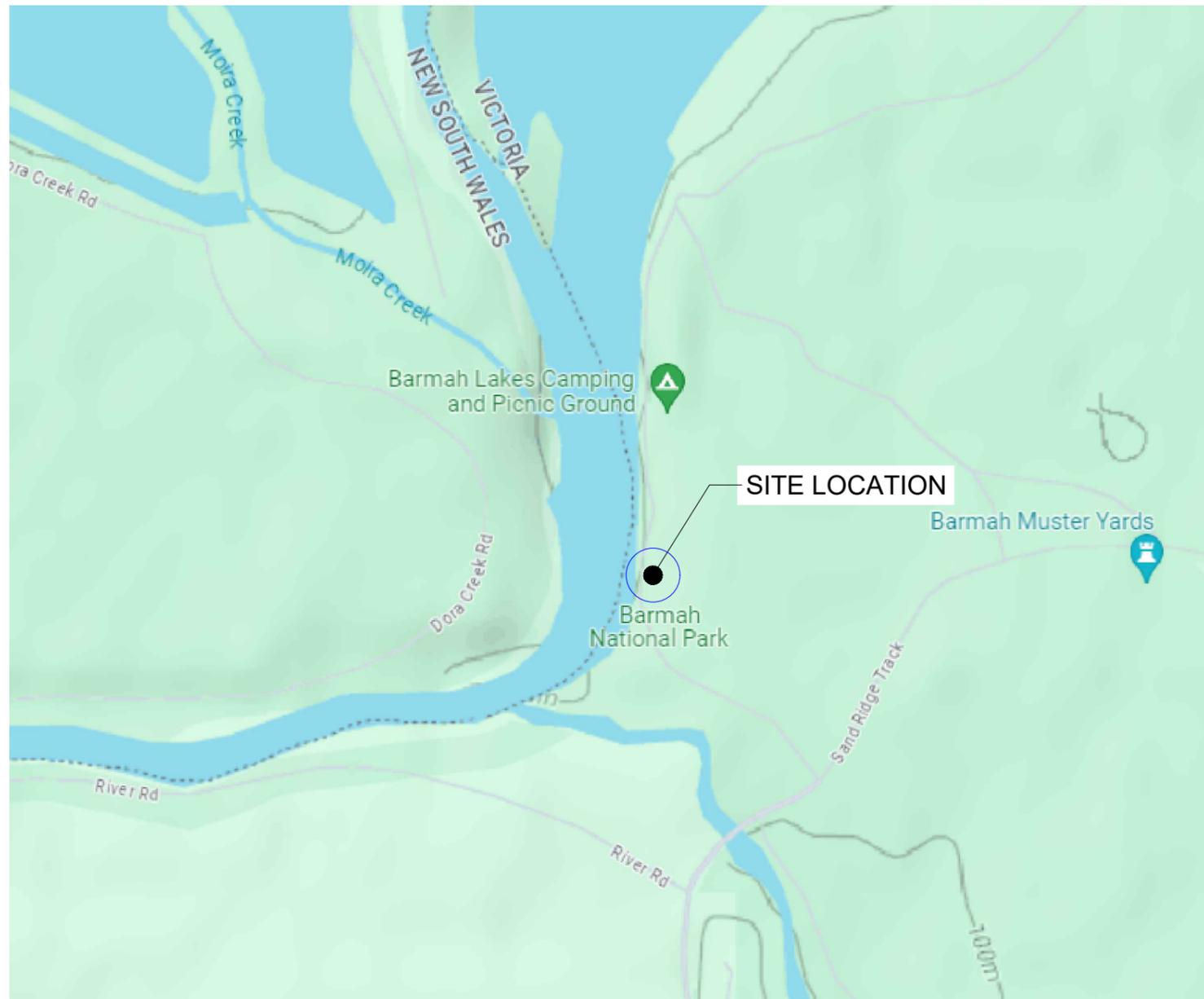
MURRAY RIVER ADVENTURE TRAIL

SECTION 8

BARMAH LAKES - KAYAK LAUNCH DESIGN

DRAWING INDEX

DRAWING NUMBER	DRAWING DESCRIPTION
JJR-4211023D-8-ST-ST001	COVER SHEET, LOCALITY PLAN & DRAWING INDEX
JJR-4211023D-8-ST-ST002	SPECIFICATION AND NOTES
JJR-4211023D-8-ST-ST003	SITE PLAN
JJR-4211023D-8-ST-ST004	3D VIEW
JJR-4211023D-8-ST-ST005	DECK PLAN - TRANSFER PLATFORM, BENCH AND RAILING
JJR-4211023D-8-ST-ST006	PREFABRICATED BENCH AND RAMP DETAILS
JJR-4211023D-8-ST-ST007	DECK PLAN AND TRANSFER PLATFORM- PERIMETER FRAME AND STIFFENERS PLAN
JJR-4211023D-8-ST-ST008	DETAILS
JJR-4211023D-8-ST-ST009	GANGWAY PLAN & SECTIONS
JJR-4211023D-8-ST-ST010	DETAILS
JJR-4211023D-8-ST-ST011	ACCESS RAMP DETAIL



LOCALITY PLAN
N.T.S.

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EXTERNAL REFERENCE FILES (UP TO 35 XREFS)		REV	DATE	AMENDMENT / REVISION DESCRIPTION	DVF No	APPROVAL	TITLE	NAME	PRINCIPAL	DESIGNER	SCALES AT A3 SIZE DRAWING	CO-ORDINATE SYSTEM: MGA	ZONE 55	HEIGHT DATUM: A.H.D.	CLIENT PROJECT / DRAWING No	ISSUE STATUS	JJR PROJECT / DRAWING No	ISSUE
				B	02.04.2024	ISSUE FOR REVIEW	-	-	DRAFTER	H.GHORBANI	AS SHOWN	MGA	55	A.H.D.	JJR-4211023D-8-ST-ST001	TENDER	JJR-4211023D-8-ST-ST001	1
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PARKS VICTORIA

MURRAY RIVER ADVENTURE TRAIL
SECTION 8
BARMAH LAKES - KAYAK LAUNCH DESIGN
COVER SHEET, LOCALITY PLAN & DRAWING INDEX

GENERAL

- DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES.
- MATERIALS DESCRIBED HERE MAY BE SUBSTITUTED FOR EQUIVALENT SUBJECT TO APPROVAL FROM STRUCTURAL ENGINEER.
- THE APPROVAL OF A SUBSTITUTION BY THE ENGINEER IS NOT AN AUTHORIZATION FOR AN VARIATION. ANY VARIATION INVOLVED MUST BE TAKEN UP WITH THE PRINCIPLE BEFORE WORK COMMENCES.
- ALL DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO FABRICATION.
- EXCAVATIONS NEAR THE EDGE OF THE FOOTINGS ARE TO BE BACKFILLED AND COMPACTED IN SUCH A WAY AS TO PREVENT THE ACCESS OF WATER TO THE FOUNDATIONS.
- SOIL STIFFNESS TO BE CONFIRMED AFTER GEOTECHNICAL INVESTIGATION.
- THE BEARING CAPACITY OF THE SOIL BENEATH THE FOUNDATION SHALL BE AT LEAST 100 KPA.
- ALL WORKMANSHIP AND MATERIAL SHALL BE, BUT NOT LIMITED TO, THE FOLLOWING AUSTRALIAN STANDARDS:

WORK ITEM	RELEVANT AUSTRALIAN STANDARD
FOUNDATION & FOOTINGS	AS2159-2009
CONCRETE WORKS	AS3600-201
STRUCTURAL STEEL WORKS	AS4100-1998, AS4600-2005, AS1250
GUIDELINES FOR DESIGN OF MARINAS	AS 3962
GUIDELINES FOR THE DESIGN OF MARITIME STRUCTURES (2005)	AS 4997

- A DIAL BEFORE YOU DIG (DBYD) SHOULD BE UNDERTAKEN PRIOR COMMENCEMENT OF ANY WORKS.
- THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING ACTIONS:
LIVE LOAD: PONTOON - 3 KPa,
LIVE LOAD: GANGWAY - 4 KPa,
ASSUMED WATER FLOW VELOCITY= 1 m/s
FLOW LOAD= 0.7 kPa
WIND LOAD:
- REGION A2
- BASIC WIND SPEED: 43m/s (ULS), 37m/s (SLS)
- TC 2.5 ARI 2000y.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL SPECIFICATIONS AND RELEVANT SOIL REPORT.
- THESE DRAWINGS SHALL NOT BE SCALED.
- THE FOLLOWING ACRONYMS ARE APPLIED AND RELEVANT TO ALL STRUCTURAL DRAWINGS:
- SHS SQUARE HOLLOW SECTION
- EA EQUAL ANGLE
- RC REINFORCED CONCRETE
- TYP TYPICAL
A.N.1 UNLESS NOTED OTHERWISE

CONCRETE

CONCRETE STRENGTH (AT 28 DAYS) SHALL BE:
- FOUNDATION ABUTMENT OF GANGWAY - 40MPa
- LEAN CONCRETE 20MPa

- THE CONCRETE SLUMP SHALL BE IN ACCORDANCE WITH AS1379 WITH 20mm MAX NOMINAL SIZE, U.N.O.
 - CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE PROPERLY FORMED AND LOCATED TO THE APPROVAL OF THE ENGINEER.
 - SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN. WELDING OF BARS WILL NOT BE PERMITTED UNLESS SHOWN ON STRUCTURAL DRAWINGS.
 - REINFORCEMENT SHALL COMPLY TO AS1302, AS1303, AS1304 AS APPROPRIATE.
- N - DENOTES NORMAL DUCTILITY GRADE ON DEFORMED BAR TO AS4671
SL - DENOTES HARD-DRAWN WIRE FABRIC TO AS1304.
- CONCRETE COVER TO BE MAINTAINED BY THE USE OF APPROVED BAR CHAIRS AT APPROX. 1000mm SPACING. CONDUITS, PIPES ETC. ARE NOT TO BE PLACED IN COVER CONCRETE
 - POLYETHYLENE MEMBRANE TO BE APPROVED 0.2mm THICKNESS. MEMBRANE IS TO BE TAPED AROUND PIPES AND LAPPED A MINIMUM OF 200mm.
 - THE CONCRETE SHALL BE TRANSPORTED, PLACED, COMPACTED AND CURED IN ACCORDANCE WITH GOOD BUILDING PRACTICE.

- CLEAR COVER TO FACE OF ALL REINFORCEMENT SHALL CONFORM TO THE FOLLOWING TABLE U.N.O. ON THE DRAWINGS:

REF	COVER (mm)
FOOTING	50

- 0.2mm THICK WATER PROOF MEMBRANE TO BE PLACED UNDER ALL REINFORCED FOUNDATIONS. THE MEMBRANE TO BE LAPPED AND SEALED TO ENSURE MOISTURE HANDRAIL.
- 'XYPEX ADMIX C-1000 NF' ADMIXTURE SHALL BE ADDED TO THE CONCRETE MIX AT THE TIME OF BATCHING FOR ALL LOWER LEVEL EXTERNAL REINFORCED CONCRETE . BEAMS AND FOOTINGS TO ENSURE CONCRETE IS COMPLETELY WATERTIGHT AND WATERPROOF.
- EXTERNAL FACES OF ALL BELOW GROUND REINFORCED CONCRETE SHALL BE SEALED BY:
DUROMASTIC BLW LIQUID BITUMEN RUBBER MEMBRANE (DUROTECH INDUSTRIES OR SIMILAR APPROVED).
9mm VILLA BOARD OVER PLATON-DOUBLE DIMPLE HDPE MEMBRANE (CEMENTAL & ACE WATERPROOFING PTY LTD) OR SIMILAR APPROVED.
- SPECIFICATION & MANUFACTURING OF CONCRETE SHALL BE IN ACCORDANCE WITH AS1379.
- SAMPLING & TESTING OF CONCRETE SHALL BE IN ACCORDANCE WITH AS3600.
- FORMWORK & ITS REMOVAL SHALL BE IN ACCORDANCE WITH AS3610.
- SURFACE FINISHES SHALL BE IN ACCORDANCE WITH AS3610.
- CONSTRUCTION TOLERANCES SHALL BE IN ACCORDANCE WITH AS3600, CLAUSE 17.5

STRUCTURAL STEELWORK

- ALL STEELWORK SHALL BE IN ACCORDANCE WITH AS4100 AND AS4600.
- ALL WELDING SHALL COMPLY TO AS1554.
- WELDS SHALL BE 6mm CONTINUOUS FILLET WELD UNLESS OTHERWISE NOTED.
- BLACK BOLTS IN 2mm CLEARANCE HOLES ARE TO BE USED U.N.O.
- ALL BOLTS, SCREWS, NUTS AND WASHERS TO BE HOT DIP GALVANISED.
- THE CONTRACTOR SHALL PROVIDE AND LEAVE IN PLACE UNTIL PERMANENT BRACING ELEMENTS ARE CONSTRUCTED. SUCH TEMPORARY BRACING AS IS NECESSARY TO STABILISE THE STRUCTURE DURING ERECTION.
- ALL EXTERNAL STEEL MEMBERS SHALL BE HOT DIPPED GALVANISED.
- ALL OTHER STEEL MEMBERS ARE TO BE TREATED BY REMOVING LOOSE SCALE BY HAND OR POWER WIRE BRUSHING AND COATED WITH A RUSH INHIBITIVE ALKYD PRIMER OR EQUIVALENT.
- ROLLED SECTIONS TO BE GRADE 300+ (U.N.O.) / CONNECTION PLATES TO BE GRADE 250, AND HOLLOW SECTIONS TO BE GRADE 350.
- HIGH STRENGTH BOLTING SHALL BE IN ACCORDANCE WITH AS1511.
- BOLTS MARKED 4.6/S SHALL BE MILD STEEL BOLTS INSTALLED SNUG TIGHT. BOLTS MARKED 8.8/S SHALL BE HIGH STRENGTH BOLTS INSTALLED SNUG TIGHT. BOLTS MARKED 8.8/T SHALL BE HIGH STRENGTH BOLTS FULLY TORQUED IN ACCORDANCE WITH AS4100 ie. SNUG TIGHT PLUS ONE HALF TURN. ALL BOLTS, NUTS, WASHERS AND METHODS OF INSTALLATION etc. TO BE IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ALL STRUCTURAL WORK TO BE PROTECTED AGAINST CORROSION IN ACCORDANCE WITH THE BCA CLAUSES 3.4.4.4 TABLE 3.4.4.2.
- ALL WELD CATEGORY TO BE SP.
- WELDING ELECTRODES TO BE E48XX IN ACCORDANCE WITH AS1553.1.
- ALL BUTT WELDS TO BE FULL PENETRATION CONTINUOUS.
- COMPONENTS TO BE CAST IN CONCRETE TO BE HOT DIP GALVANISED TO AS1650 AFTER FABRICATION.
- HOLE DIAMETER TO BE BOLT DIAMETER PLUS 2mm FOR ALL BOLTED CONNECTIONS U.N.O.
- ALL BOLTS TO BE HIGH STRENGTH GRADE 8.8 UNLESS NOTED OTHERWISE.
- STEEL PURLINS SHALL BE COLD FORM SECTION AND COMPLY WITH AS1397 WITH MINIMUM GRADE OF G450.
- ZINC COATING OF Z350 (350g/m² MINIMUM COATING MASS) SHALL BE USED FOR ALL PURLINS AND GIRTS
- THE PILES ARE TO BE STEEL CHS PILES WITH HDPE MEMBRANES.
- ALL STEEL MEMBERS SHALL BE OF GRADE G350 STEEL.

STRUCTURAL ALUMINUM WORK

- ALL STRUCTURE IS FULLY WELDED WITH A FILLET OF 5mm. FILLER ALLOY IS GRADE 5356.
- ALL ESTRUSIONS ARE GRADE 6063-T5 OR EQUIVALENT.
- ALL 100x50x3 RHS ARE TO HAVE 3MM RADIUS EDGE.
- ALL FASTENERS ARE CORROSION RESISTANT STEEL.
- ALL EXPOSED BOLTS ARE TO BE RECESSED INTO THE TIMBER BY COUNTER BORING.
- ALL BOLT THREADS ARE TO BE TREATED WITH ANTI-SEIZE OR EQUIVALENT LUBRICATING COMPOUND PRIOR TO FASTENING.
- ALL 100x50x3 RHS ARE TO HAVE 6MM RADIUS EDGE.
- ALL OTHER RHS ARE TO HAVE 3MM RADIUS EDGE.
- ALL ALUMINIUM STRUCTURES SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AS/NZS 1664:1997

1200 LITER FLOTATION MODULE WORKS

- FLOTATION MODULES ARE MANUFACTURED BY ROTATIONAL CASTING.
- FLOTATION MODULES ARE MANUFACTURED FROM U.V. STABILISED, HIGH STRESS CRACK RESISTANT, LINEAR POLYETHYLENE.
- STANDARD COLOR BLACK.
- FLOATS CAN BE FILLED WITH WATER OR CONCRETE TO ADD BALLAST TO INCREASE STABILITY. BALLAST CAN ALSO BE USED TO RAISE AND LOWER THE FLOAT FOR DIFFERENT FREEBOARD REQUIREMENTS. FLOATS CAN ALSO BE FOAM FILLED FOR EXTRA SECURITY IF REQUIRED.
- STANDARD FLOATS ARE HOLLOW.
- FLOATS CAN ALSO BE FOAM-FILLED FOR EXTRA SECURITY IF REQUIRED. FOR ADDITIONAL FLOTATION SECURITY, FLOATS CAN BE FOAM FILLED. WHEN FOAM-FILLED, THEY CAN TAKE UP TO 800KG EACH. DIMENSIONS: 2000MM LONG X 1200MM WIDE X 520MM DEEP. PRODUCT WEIGHT: 62KG (HOLLOW) AND 105KG (FOAM-FILLED).
- DUE TO THE MANUFACTURING PROCESS, FLOAT DIMENSIONS MAY VARY.
- THE FLOATS WILL BE FILLED WITH WATER TO ATTAIN A FREEBOARD OF 350 MM, THEREBY ENHANCING STABILITY.

TIMBER

- ALL MULTIPLE MEMBERS TO BE NAIL LAMINATED AS PER REQUIREMENTS OF AS1684-2010.
- ALL TIMBER ELEMENTS TO BE F17.
- WHEN USING TREATED PINE REFERENCE IS TO BE MADE TO THE MANUFACTURER'S SAFETY DATE SHEET(MSDS).
- TIMBER SHALL BE STORED AND HANDLED SO AS NOT TO BE DETRIMENTAL TO THEIR PERFORMANCE OR DAMAGE THEM. REFER TO APPENDIX C AS1684-2010.
- ALL TIMBER SHALL BE DRY, ie: LESS THAN 15% MOISTURE CONTENT AT THE TIME OF CONSTRUCTION AND SHALL BE PROTECTED AND/OR TREATED.
- ALL TIMBER IS TO BE TREATED WITH A SUITABLE PRESERVATIVE. (DECKING OIL, ETC).
- ALL TIMBER MOORING POSTS SHALL BE OF F17 GRADE TIMBER, AS PER AS 1720.1.

ENVIRONMENTAL

- PARKS VICTORIA IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ENVIRONMENTAL PERMITS PRIOR TO COMMENCING WORKS.
- PARKS VICTORIA SHALL PROVIDE AN ALLOWANCE FOR ALL REQUIRED ENVIRONMENTAL CONTROLS WITHIN THEIR TENDER PRICE.
- ALL DISTURBED AREAS SHALL BE STABILISED (ie. TOPSOIL & TURF) AS SOON AS PRACTICAL.

SOIL CONDITIONS

- FURTHER INSPECTION & SOIL INVESTIGATION WORKS SHALL BE UNDERTAKEN WHEN EARTHWORKS COMMENCE PRIOR TO FOUNDATION REPLACEMENT AND PILE DRIVING.
- THE PILE CAPACITIES ARE TO BE DETERMINED BASED ON THE GEOTECHNICAL SPECIFICATIO REPORT.

EXISTING SERVICES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATION AND LEVEL OF ALL EXISTING SERVICES ON SITE PRIOR TO COMMENCING CONSTRUCTION. ALLOW FOR ANY PROTECTION TO EXISTING SERVICES REQUIRED BY AUTHORITIES. ANY SERVICE DAMAGED BY THE CONTRACTOR SHALL BE REINSTATED AT THE CONTRACTORS EXPENSE.

SITE MAINTENANCE

- ALL DEBRIS, BUILDING RUBBLE, SURFACE VEGETATION AND TOP SOIL SHALL BE REMOVED FROM THE AREA BENEATH CONCRETE SLABS POURED ON GROUND.

SERVICE TRENCHES

- ENSURE ALL SERVICE TRENCHES ARE MAINTAINED AT LEAST THE DEPTH OF THE EXCAVATION AWAY FROM THE FOOTINGS. CONTACT THIS OFFICE IMMEDIATELY IF THIS CANNOT BE ACHIEVED.

LEGEND

THE FOLLOWING LEGEND APPLIES TO ALL STRUCTURAL DRAWINGS:

FRP GRATING	
PVC WITH UV	
TIMBER	

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B	02.04.2024	ISSUE FOR REVIEW	-	-	DRAFTER	H.GHORBANI						SECTION 8			
C	03.04.2024	ISSUE FOR REVIEW	-	-	DRAFTING CHECK	N.CHUNG						BARMAH LAKES - KAYAK LAUNCH DESIGN			
D	09.04.2024	ISSUE FOR REVIEW	-	-	DESIGNER	P.SHABANPOUR						SPECIFICATION AND NOTES			
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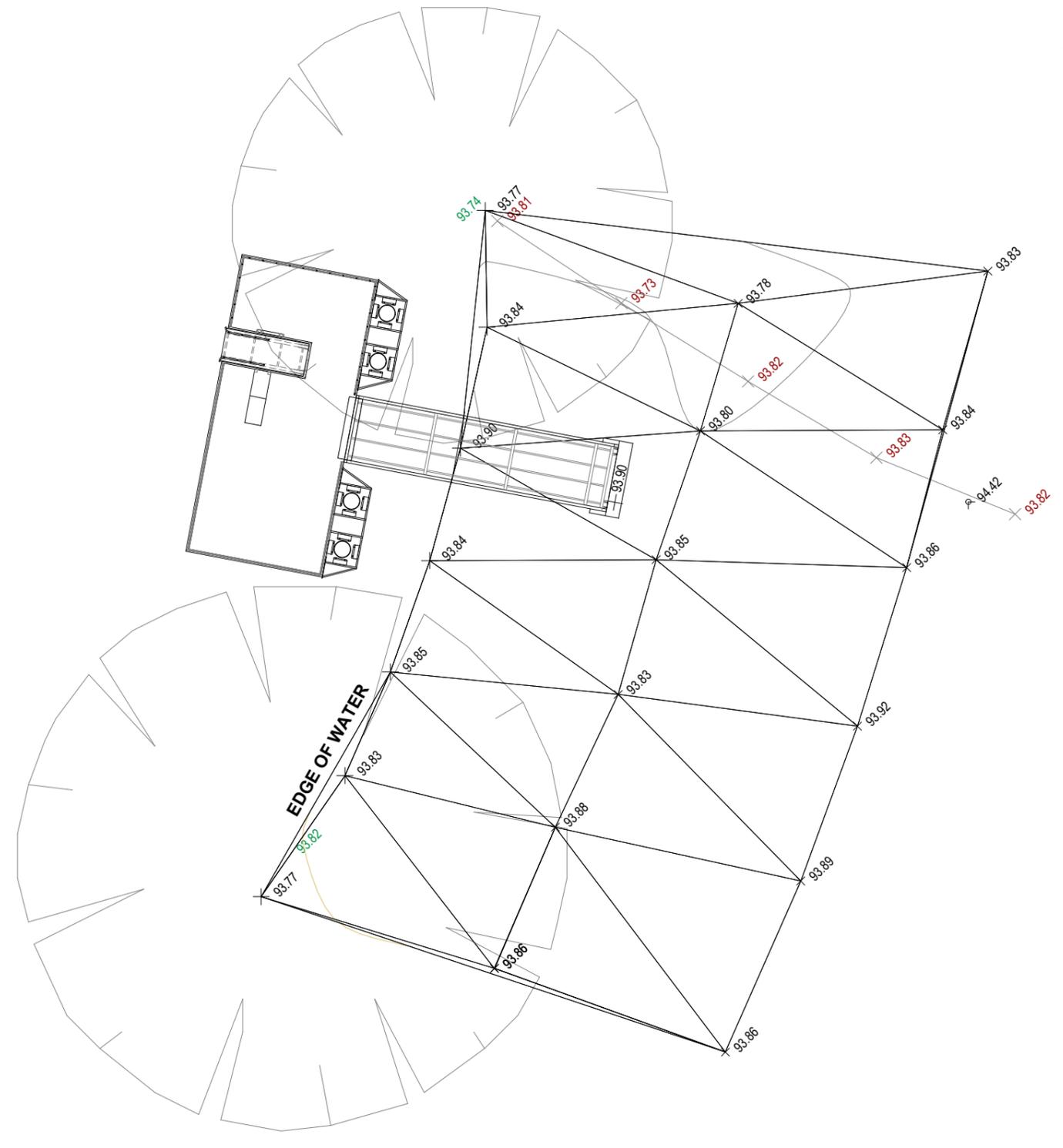
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RIVER



SITE PLAN
SCALE 1:200

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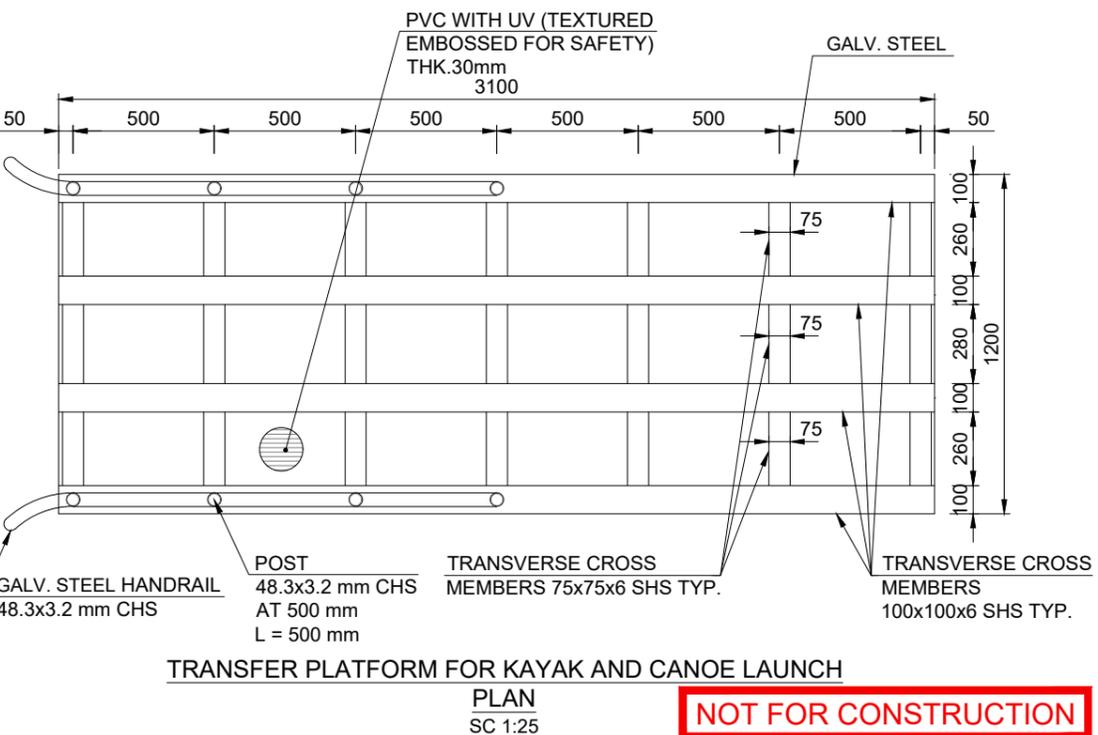
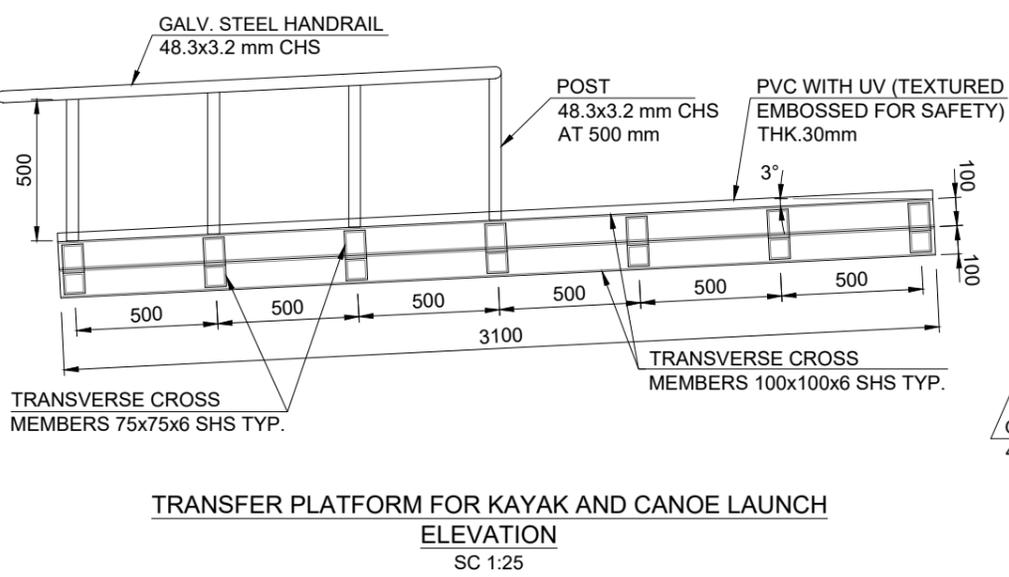
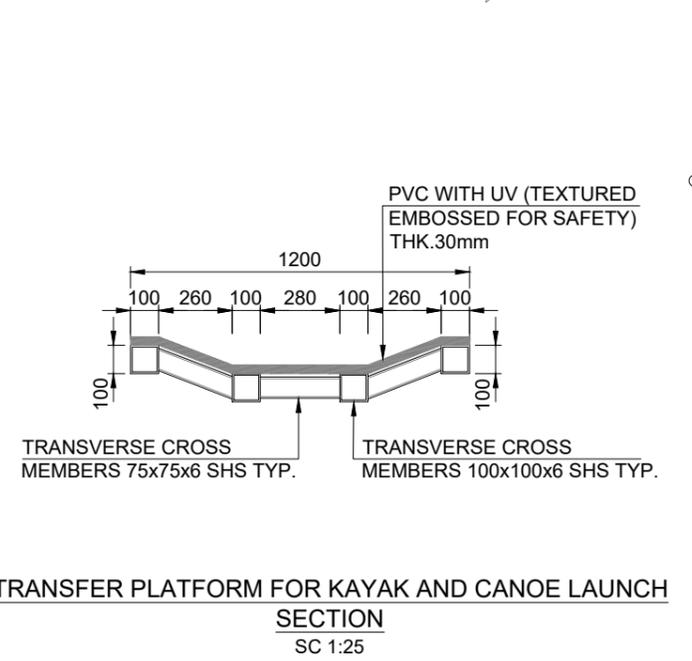
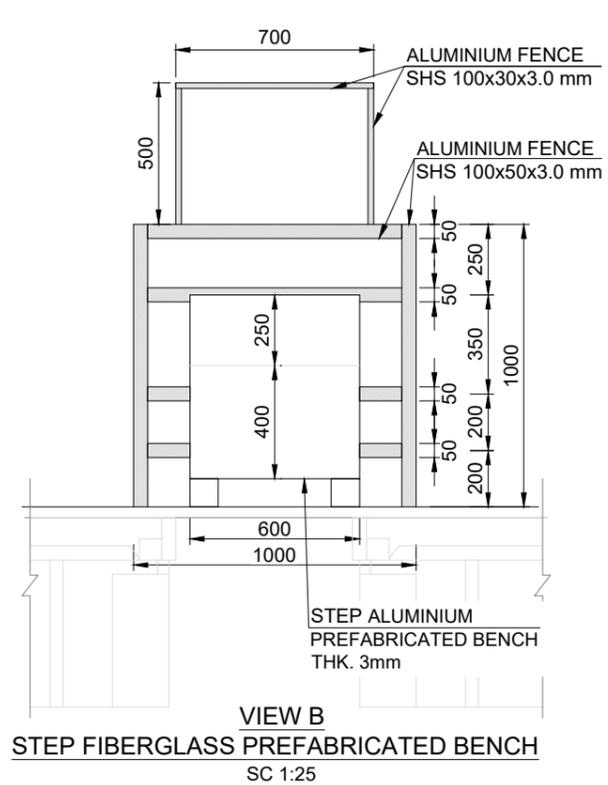
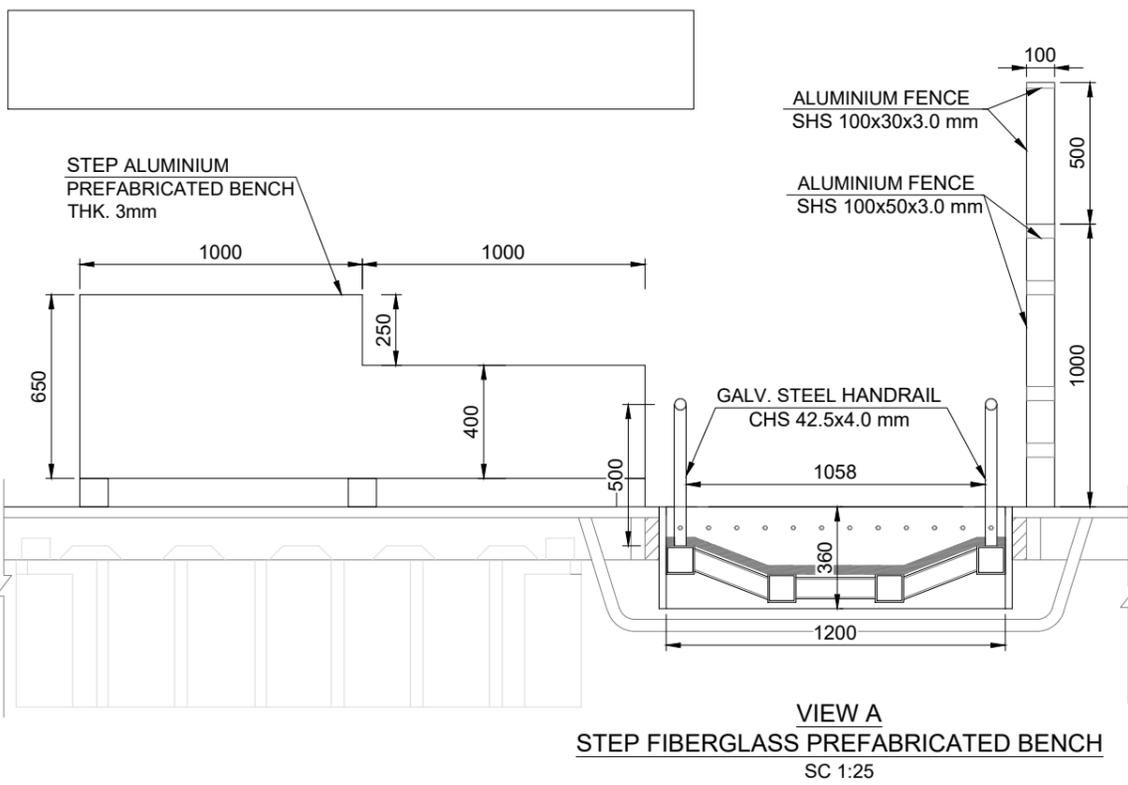
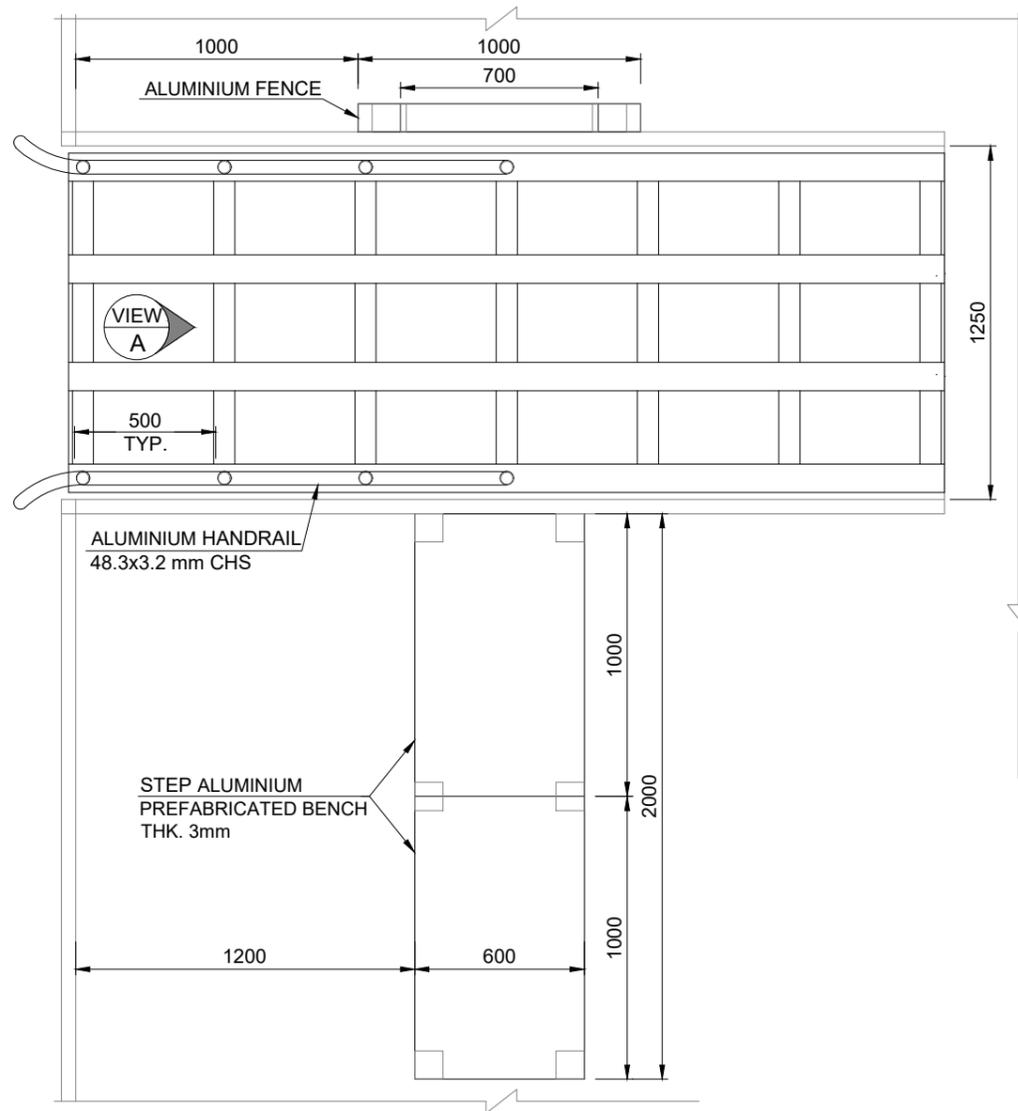


3D VIEW
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TRANSFER PLATFORM FOR KAYAK AND CANOE LAUNCH
SECTION
SC 1:25

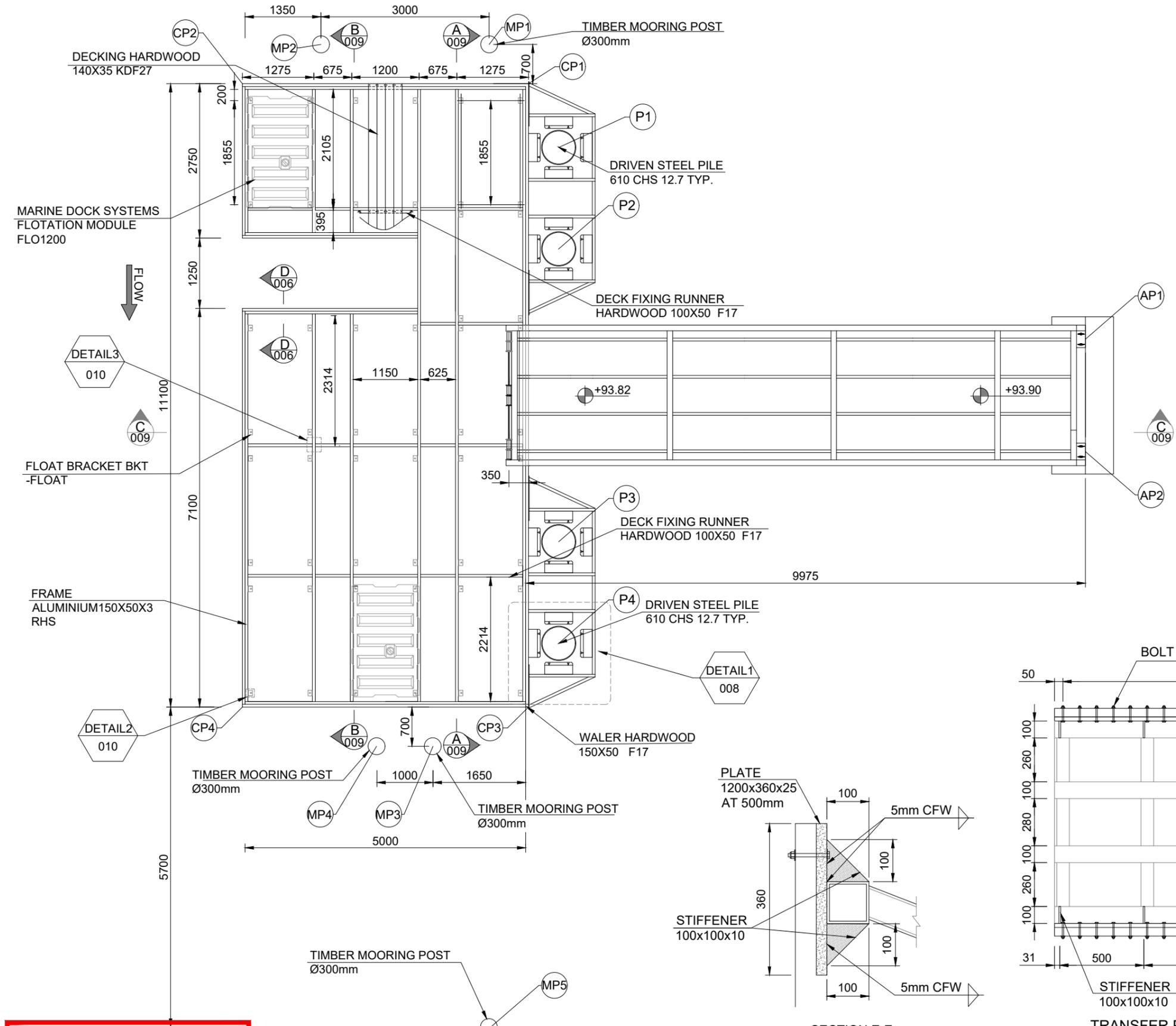
TRANSFER PLATFORM FOR KAYAK AND CANOE LAUNCH
ELEVATION
SC 1:25

TRANSFER PLATFORM FOR KAYAK AND CANOE LAUNCH
PLAN
SC 1:25

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EXTERNAL REFERENCE FILES (UP TO 35 XREFS)				DESIGN LOT CODE	PLOT DATE	TIME	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING	PRINCIPAL		DESIGNER		SCALES AT A3 SIZE DRAWING		CLIENT PROJECT / DRAWING No			ISSUE STATUS	JRR PROJECT / DRAWING No	ISSUE
				PV	09 February 2025	12:02:08		Parks VICTORIA		JJRYAN CONSULTING PTY LTD.		AS SHOWN		MURRAY RIVER ADVENTURE TRAIL SECTION 8 BARMAH LAKES - KAYAK LAUNCH DESIGN PREFABRICATED BENCH AND RAMP DETAILS			TENDER	JJR-4211023D-8-ST-ST006	I
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B	02.04.2024	ISSUE FOR REVIEW		-	-	DRAFTER	R.ABBASI												
C	03.04.2024	ISSUE FOR REVIEW		-	-	DRAFTING CHECK	N.CHUNG												
D	09.04.2024	ISSUE FOR REVIEW		-	-	DESIGNER	P.SHABANPOUR												
E	29.04.2024	ISSUE FOR REVIEW		-	-	DESIGN CHECK	N.CHUNG												
F	22.08.2024	ISSUE FOR REVIEW		-	-	DESIGN MANAGER	N.CHUNG												
G	24.12.2024	ISSUED FOR TENDER		-	-	PROJECT MANAGER	T.BLINCO												
H	30.01.2025	ISSUED FOR TENDER		-	-														
I	06.02.2025	ISSUED FOR TENDER		-	-														

THIS SHEET MAY BE PREPARED USING COLOUR AND MAY BE INCOMPLETE IF COPIED
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PILE SET OUT		
PILES ID	NORTHINGS	EASTINGS
P1	6018491.0457	315823.4049
P2	6018489.2708	315823.0686
P3	6018484.1465	315822.0977
P4	6018482.3715	315821.7614

MOORING POSTS SET OUT		
MOORING POSTS ID	NORTHINGS	EASTINGS
MP1	6018493.0799	315822.5302
MP2	6018493.6383	315819.5827
MP3	6018480.9858	315819.2140
MP4	6018481.1719	315818.2315
MP5	6018475.8870	315819.2658

ABUTMENT POINTS SET OUT		
ABUTMENT POINTS ID	NORTHINGS	EASTINGS
AP1	6018485.9656	315831.8768
AP2	6018484.0004	315831.5044

CORNER POINTS OF PONTOONS SET OUT		
CORNER POINTS ID	NORTHINGS	EASTINGS
CP1	6018492.2618	315823.0877
CP2	6018493.2112	315818.0768
CP3	6018481.3558	315821.0214
CP4	6018482.3052	315816.0106

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DECK PLAN
SCALE 1:75

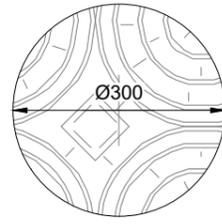
SECTION E-E
SC 1:10

TRANSFER PLATFORM- PERIMETER FRAME AND STIFFENERS- PLAN VIEW
SC 1:25

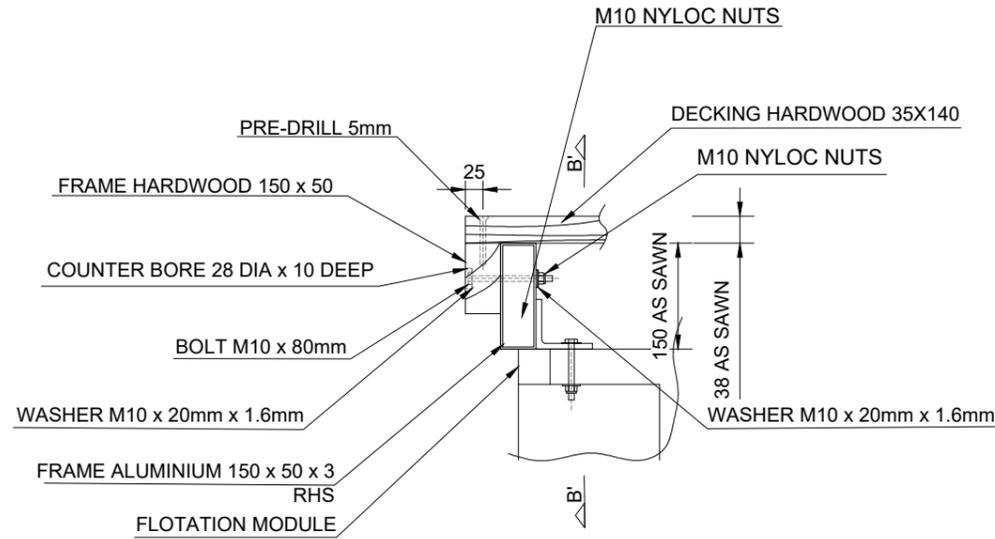
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DVF No	APPROVAL	TITLE	NAME	PRINCIPAL	DESIGNER	SCALES AT A3 SIZE DRAWING
B	02.04.2024	ISSUE FOR REVIEW	-	-	DRAFTER	H.GHORBANI			AS SHOWN
C	03.04.2024	ISSUE FOR REVIEW	-	-	DRAFTING CHECK	N.CHUNG			
D	09.04.2024	ISSUE FOR REVIEW	-	-	DESIGNER	P.SHABANPOUR			
E	29.04.2024	ISSUE FOR REVIEW	-	-	DESIGN CHECK	N.CHUNG			
F	22.08.2024	ISSUE FOR REVIEW	-	-	DESIGN MANAGER	N.CHUNG			
G	24.12.2024	ISSUED FOR TENDER	-	-	PROJECT MANAGER	T.BLINCO			
H	30.01.2025	ISSUED FOR TENDER	-	-	-	-	-	-	
I	06.02.2025	ISSUED FOR TENDER	-	-	-	-	-	-	

PARKS VICTORIA
 MURRAY RIVER ADVENTURE TRAIL
 SECTION 8
 BARMAH LAKES - KAYAK LAUNCH DESIGN
DECK PLAN AND TRANSFER PLATFORM- PERIMETER FRAME AND STIFFENERS PLAN

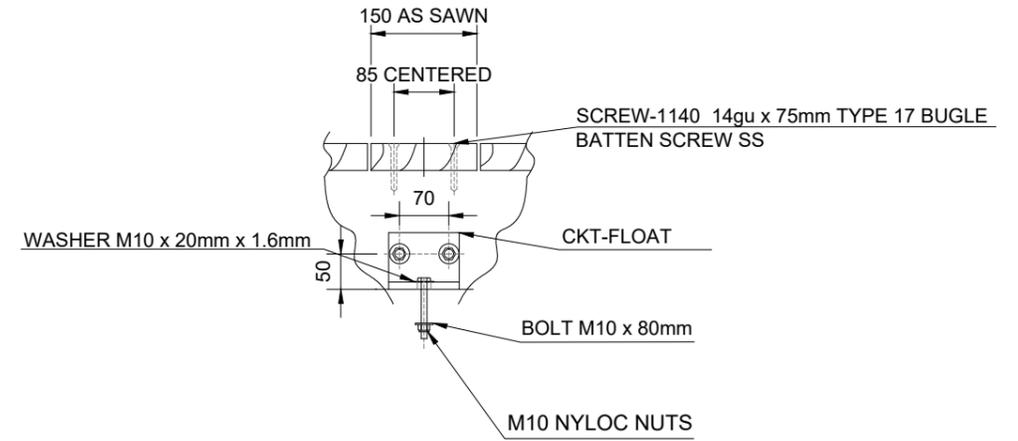
CO-ORDINATE SYSTEM: MGA ZONE: 55 HEIGHT DATUM: A.H.D. CLIENT PROJECT / DRAWING No: ISSUE STATUS: **TENDER** JJR-4211023D-8-ST-ST007 ISSUE: **1**



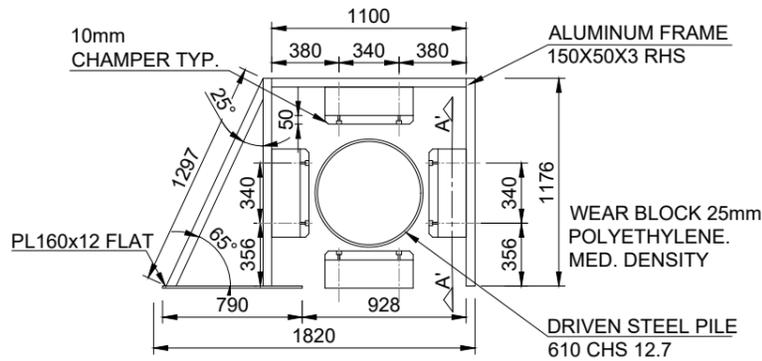
TIMBER MOORING POST
L= 6000mm
SC 1:10



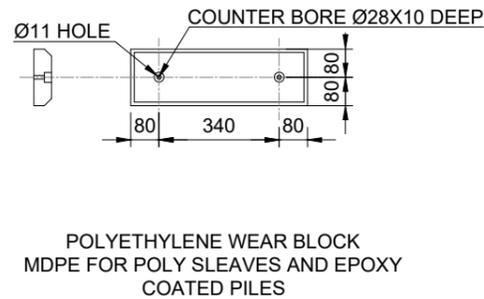
TYPICAL SECTION FOR FLOTATION MODULE AND DECK ASSEMBLY
SECTION D-D
SCALE 1:10



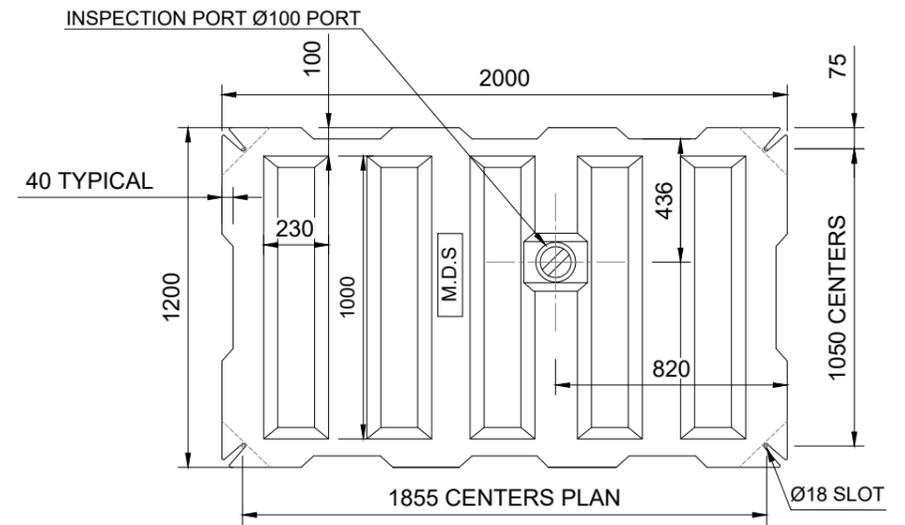
FLOAT NOT SHOWN IN THIS VIEW
SECTION B'-B'
SCALE 1:10



DETAIL 1
PLAN
SCALE 1:40
VIEW A



DETAIL 1
SECTION A'-A'
SCALE 1:20

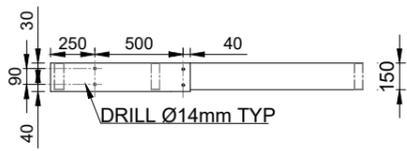


FLOTATION MODULE 1200 LITER
PLAN
SCALE 1:25

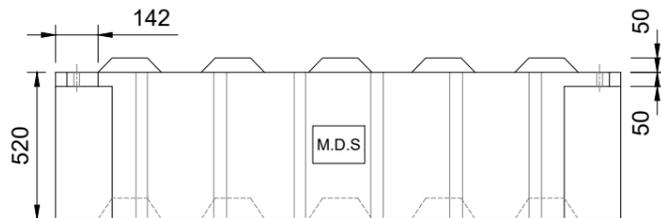
NOTE

1. FLOTATION MODULES ARE MANUFACTURED BY ROTATIONAL CASTING.
2. FLOTATION MODULES ARE MANUFACTURED FROM U.V. STABILISED, HIGH STRESS CRACK RESISTANT, LINEAR POLYETHYLENE.
3. STANDARD COLOR BLACK.
4. FLOATS CAN BE FILLED WITH WATER OR CONCRETE TO ADD BALLAST TO INCREASE STABILITY. BALLAST CAN ALSO BE USED TO RAISE AND LOWER THE FLOAT FOR DIFFERENT FREEBOARD REQUIREMENTS. FLOATS CAN ALSO BE FOAM FILLED FOR EXTRA SECURITY IF REQUIRED.
5. STANDARD FLOATS ARE HOLLOW.
6. FLOATS CAN ALSO BE FOAM-FILLED FOR EXTRA SECURITY IF REQUIRED. FOR ADDITIONAL FLOTATION SECURITY, FLOATS CAN BE FOAM FILLED. WHEN FOAM-FILLED, THEY CAN TAKE UP TO 800KG EACH. DIMENSIONS: 2000MM LONG X 1200MM WIDE X 520MM DEEP. PRODUCT WEIGHT: 62KG (HOLLOW) AND 105KG (FOAM-FILLED).
7. DUE TO THE MANUFACTURING PROCESS, FLOAT DIMENSIONS MAY VARY.
8. ALL TIMBER MOORING POSTS SHALL BE OF F17 GRADE TIMBER, AS PER AS 1720.1.
9. ALL STEEL PILES SHALL BE OF GRADE G250 STEEL
10. THE MINIMUM EMBEDMENT DEPTH FOR STEEL PILES AND MOORING POSTS INTO THE SOIL SHALL BE 2.5~3m

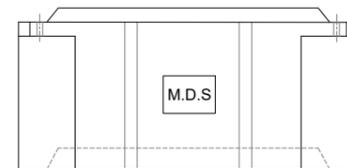
NOT FOR CONSTRUCTION



DETAIL 1
VIEW A
SCALE 1:40



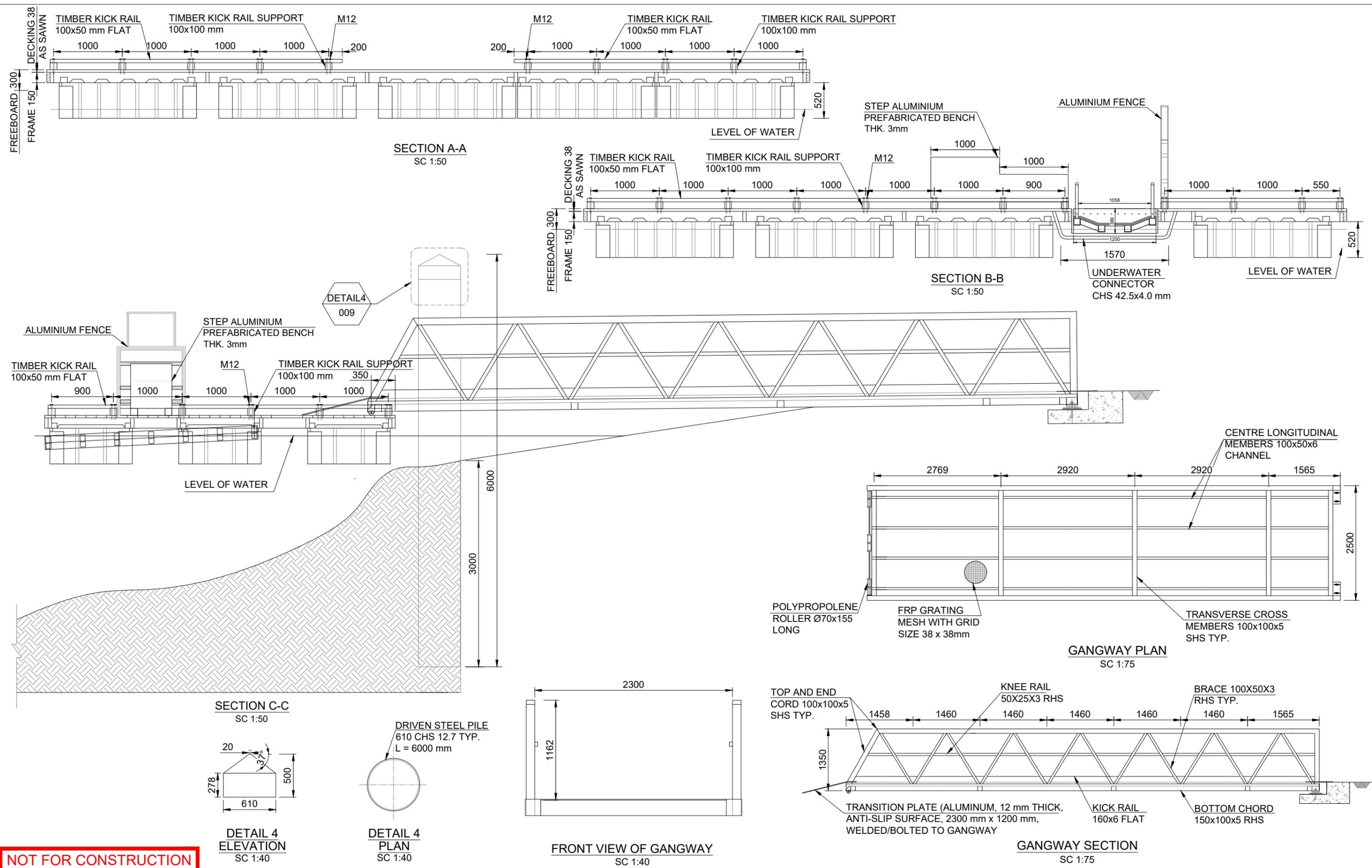
FLOTATION MODULE 1200 LITER
SECTION
SCALE 1:25



100 mm ON ORIGINAL
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DVF No	APPROVAL	TITLE	NAME	PRINCIPAL	DESIGNER	SCALES AT A3 SIZE DRAWING	CO-ORDINATE SYSTEM: MGA	ZONE: 55	HEIGHT DATUM: A.H.D.	CLIENT PROJECT / DRAWING No	ISSUE STATUS	JRR PROJECT / DRAWING No	ISSUE
B	02.04.2024	ISSUE FOR REVIEW	-	-	DRAFTER	H.GHORBANI			AS SHOWN	MGA	55	A.H.D.	JRR-4211023D-8-ST-ST008	TENDER	JRR-4211023D-8-ST-ST008	1
C	03.04.2024	ISSUE FOR REVIEW	-	-	DRAFTING CHECK	N.CHUNG										
D	09.04.2024	ISSUE FOR REVIEW	-	-	DESIGNER	P.SHABANPOUR										
E	29.04.2024	ISSUE FOR REVIEW	-	-	DESIGN CHECK	N.CHUNG										
F	22.08.2024	ISSUE FOR REVIEW	-	-	DESIGN MANAGER	N.CHUNG										
G	24.12.2024	ISSUED FOR TENDER	-	-	PROJECT MANAGER	T.BLINCO										

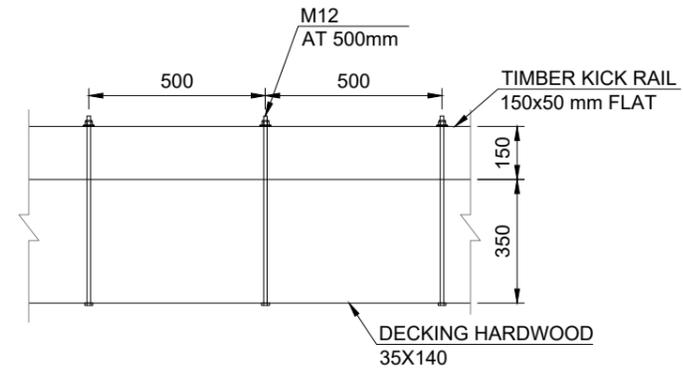
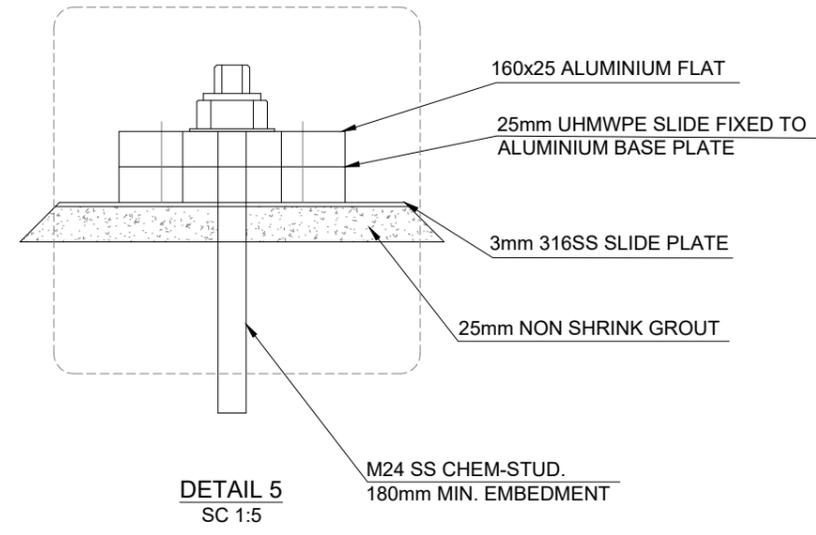
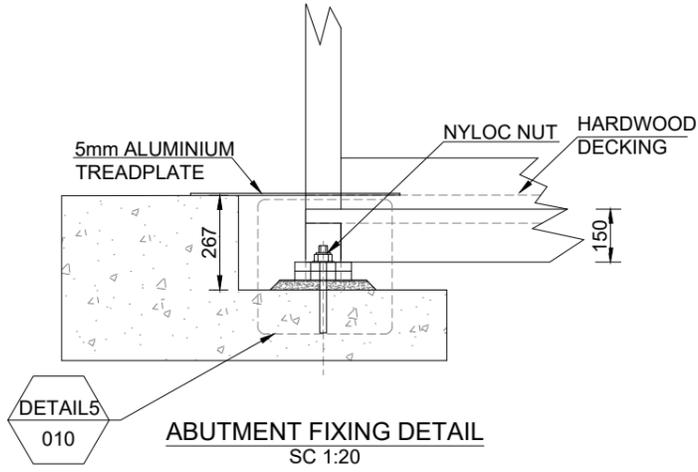
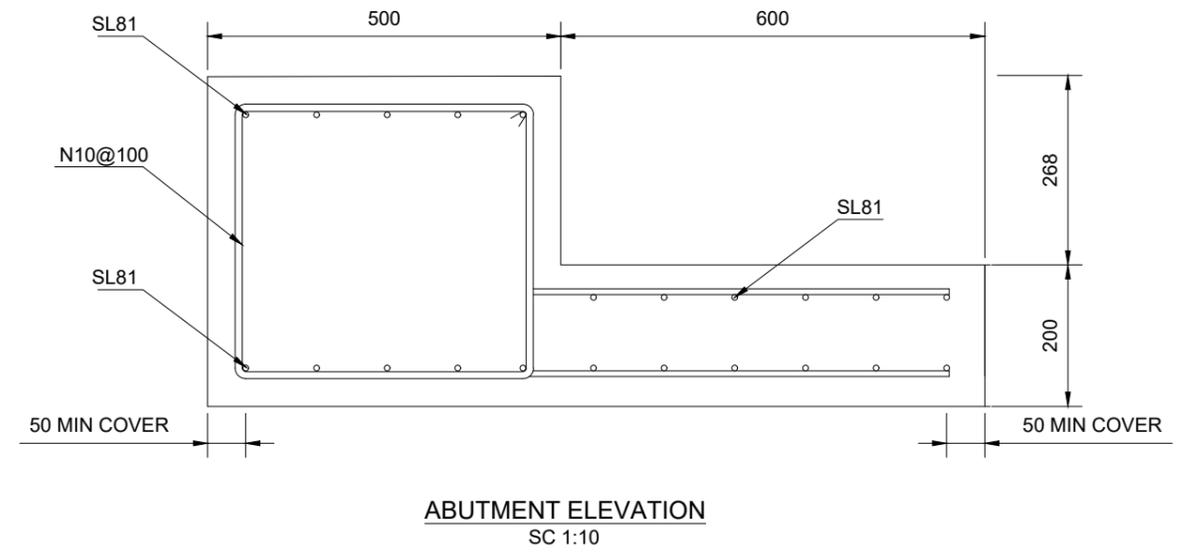
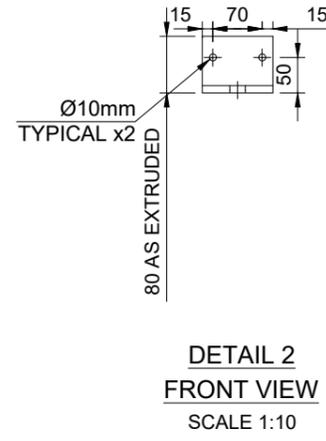
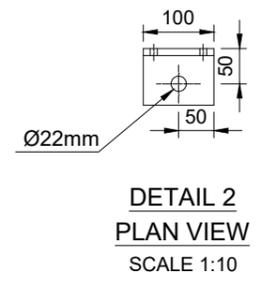
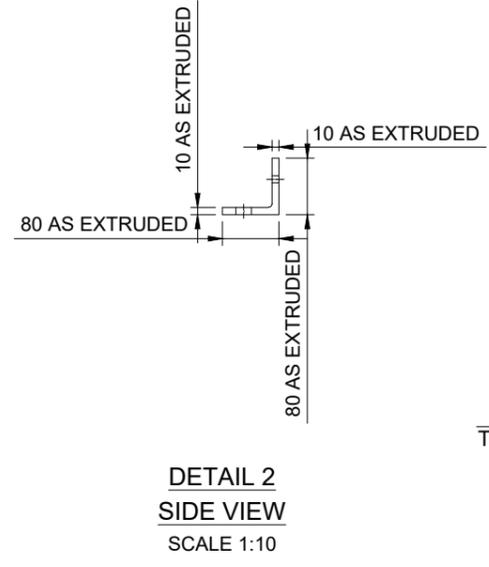
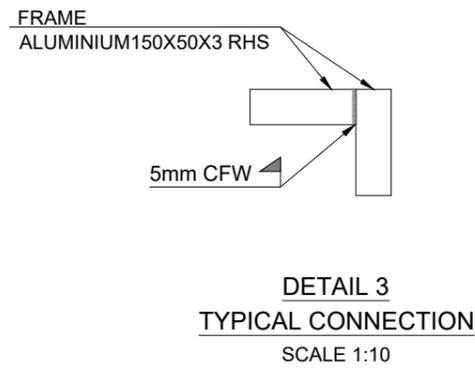
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 A3 ORIGINAL



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EXTERNAL REFERENCE FILES (UP TO 35 XREFS)				DESIGN LOT CODE	PLOT DATE	TIME	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PARKS VICTORIA			
REV	DATE	AMENDMENT / REVISION DESCRIPTION	DVF No	APPROVAL	TITLE	NAME	PRINCIPAL	DESIGNER	SCALES AT A3 SIZE DRAWING		MURRAY RIVER ADVENTURE TRAIL SECTION 8 BARMALAKES - KAYAK LAUNCH DESIGN	
B	02.04.2024	ISSUE FOR REVIEW	-	-	DRAFTER	H.GHORBANI			AS SHOWN		GANGWAY PLAN AND SECTIONS TENDER	
C	03.04.2024	ISSUE FOR REVIEW	-	-	DRAFTING CHECK	N.CHUNG						
D	09.04.2024	ISSUE FOR REVIEW	-	-	DESIGNER	P.SHABANPOUR						
E	29.04.2024	ISSUE FOR REVIEW	-	-	DESIGN CHECK	N.CHUNG						
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G	24.12.2024	ISSUED FOR TENDER	-	-	PROJECT MANAGER	T.BLINCO						
H	30.01.2025	ISSUED FOR TENDER	-	-								
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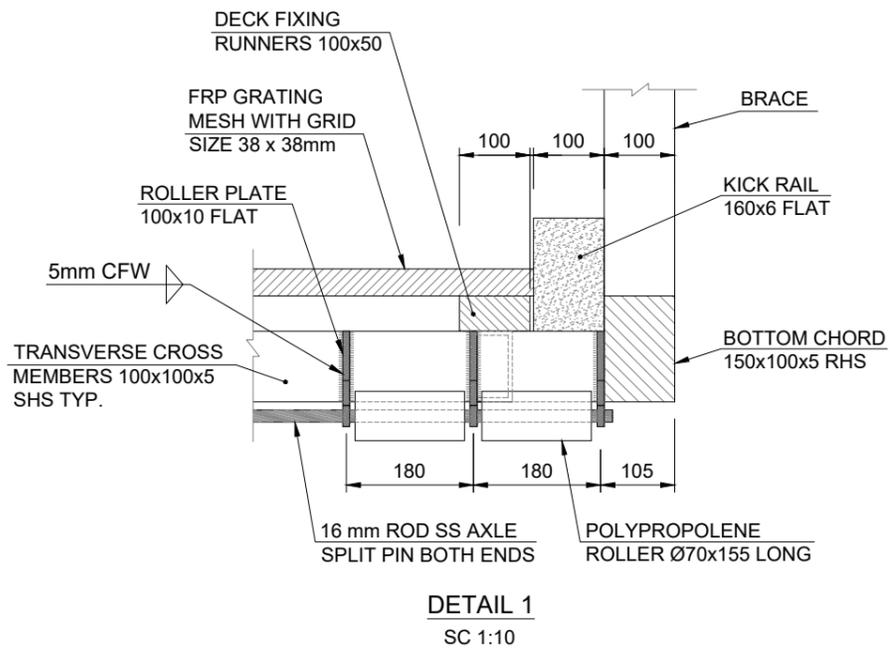
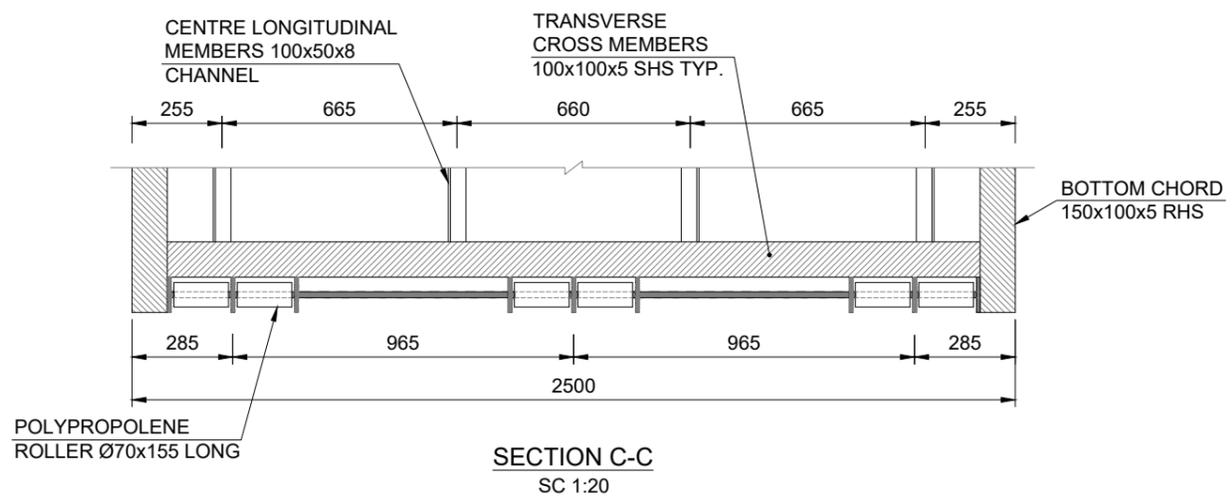
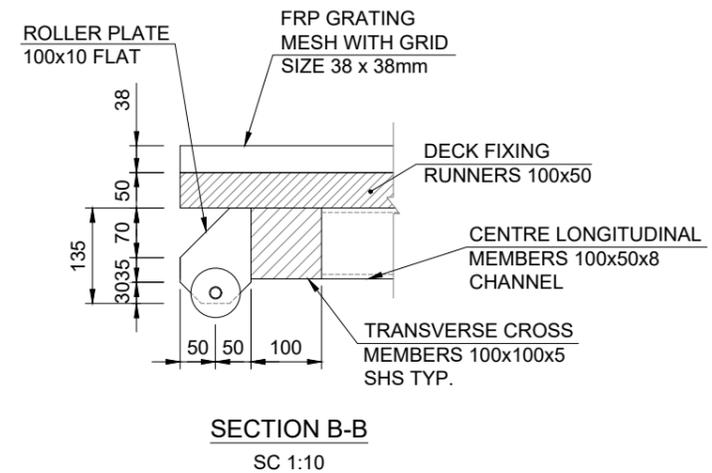
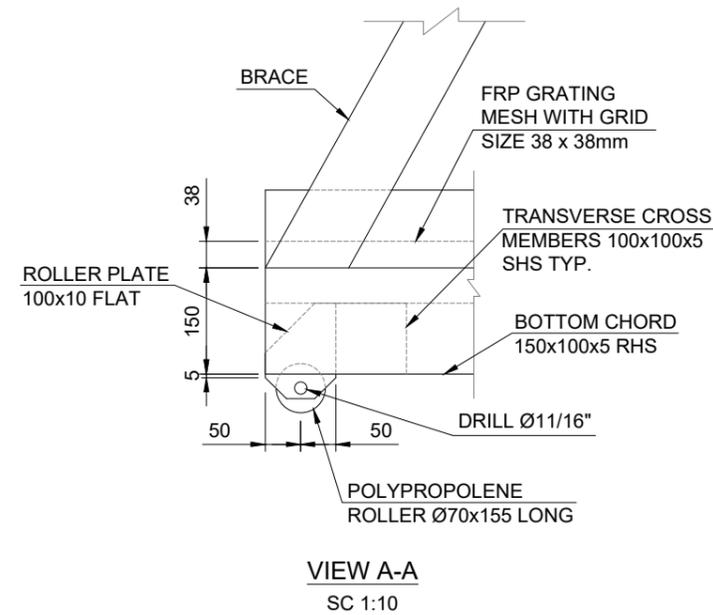
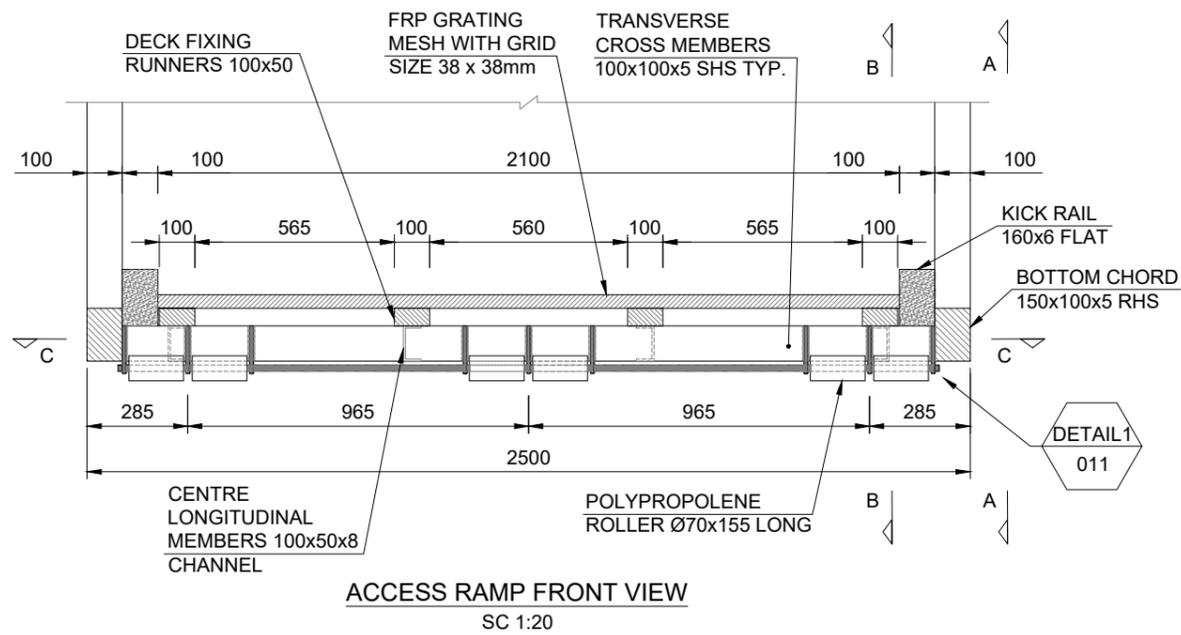
CONCRETE NOTE

EXPOSURE CLASS	CLASS 3
MINIMUM COVER	50mm
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EXTERNAL REFERENCE FILES (UP TO 35 XREFS)				DVF No	APPROVAL	TITLE	NAME	PRINCIPAL	DESIGNER	SCALES AT A3 SIZE DRAWING		PARKS VICTORIA		
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				-	-	DRAFTING CHECK	N.CHUNG			MURRAY RIVER ADVENTURE TRAIL		SECTION 8		
				-	-	DESIGNER	P.SHABANPOUR			MURRAY RIVER ADVENTURE TRAIL		BARMAH LAKES - KAYAK LAUNCH DESIGN		
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 THIS SHEET MAY BE PREPARED USING COLOUR AND MAY BE INCOMPLETE IF COPIED
 DRAWING FILE LOCATION: NAME
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NOT FOR CONSTRUCTION

EXTERNAL REFERENCE FILES (UP TO 35 XREFS)		DESIGN LOT CODE PV	PLOT DATE 09 February 2025	TIME 12:21:12	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PARKS VICTORIA		
REV	DATE	AMENDMENT / REVISION DESCRIPTION	DVF No	APPROVAL	TITLE	NAME	PRINCIPAL	DESIGNER	SCALES AT A3 SIZE DRAWING
B	02.04.2024	ISSUE FOR REVIEW	-	-	DRAFTER	H.GHORBANI			AS SHOWN
C	03.04.2024	ISSUE FOR REVIEW	-	-	DRAFTING CHECK	N.CHUNG			
D	09.04.2024	ISSUE FOR REVIEW	-	-	DESIGNER	P.SHABANPOUR			
E	29.04.2024	ISSUE FOR REVIEW	-	-	DESIGN CHECK	N.CHUNG			
F	22.08.2024	ISSUE FOR REVIEW	-	-	DESIGN MANAGER	N.CHUNG			
G	24.12.2024	ISSUED FOR TENDER	-	-	PROJECT MANAGER	T.BLINCO			
H	30.01.2025	ISSUED FOR TENDER	-	-					
I	06.02.2025	ISSUED FOR TENDER	-	-					
CO-ORDINATE SYSTEM: MGA		ZONE 55	HEIGHT DATUM: A.H.D.	CLIENT PROJECT / DRAWING No	ISSUE STATUS	JRR PROJECT / DRAWING No	ISSUE		
				TENDER	JJR-4211023D-8-ST-ST011	1			

MURRAY RIVER ADVENTURE TRAIL
SECTION 8
BARMAH LAKES - KAYAK LAUNCH DESIGN
ACCESS RAMP DETAIL