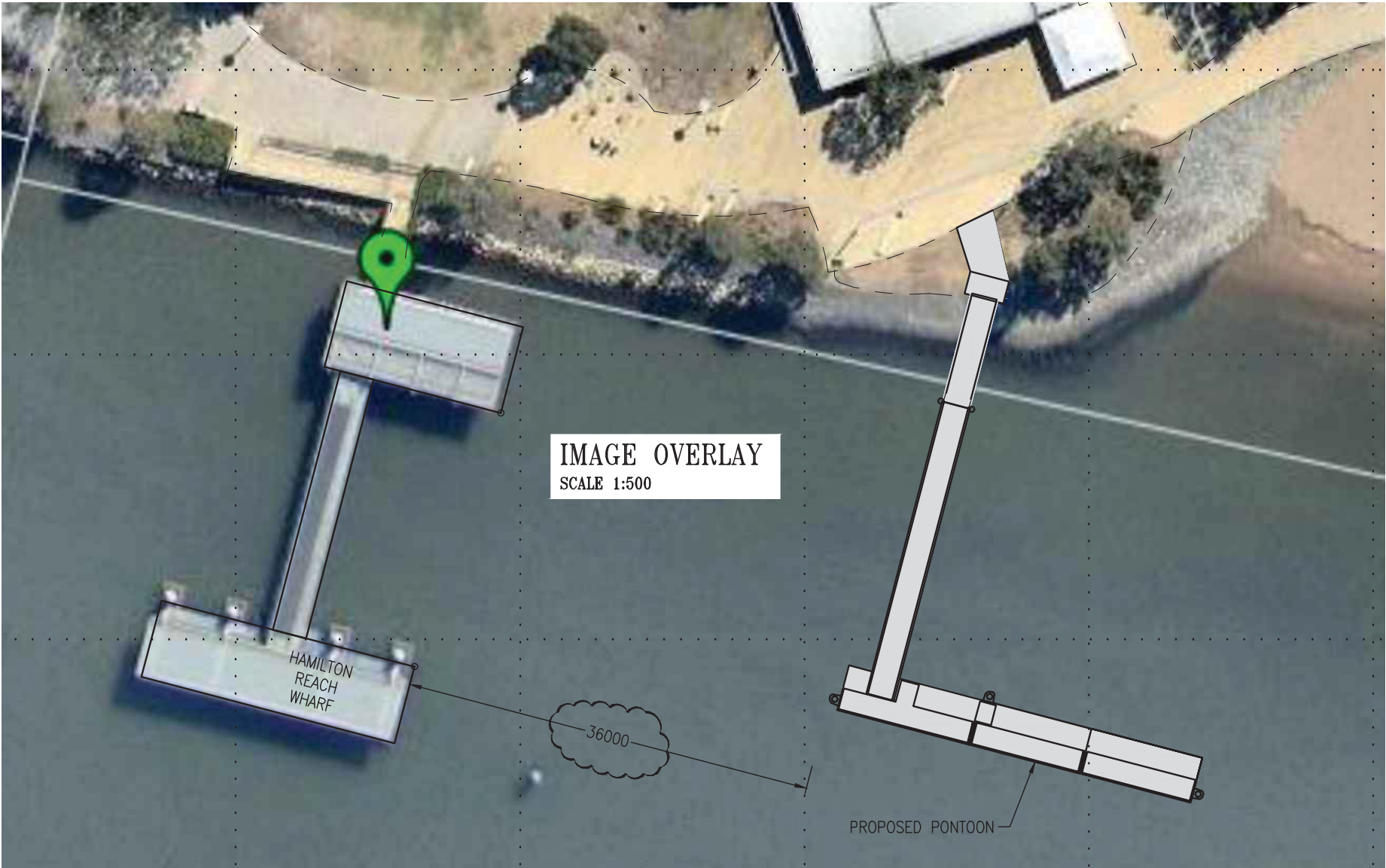


PUBLIC PONTOON (BCSS) FOR HAMILTON NORTH SHORE



ASSOCIATED DRAWINGS

DRAWING TITLE	DRAWING No	ISSUE	
COVER SHEET & LOCALITY PLAN	JSP-CP-5270	D	FOR CONSTRUCTION
LAYOUT PLAN	JSP-CP-5271	C	FOR CONSTRUCTION
ELEVATION	JSP-CP-5272	B	FOR CONSTRUCTION
PONTOON DETAILS	JSP-CP-5273	A	FOR CONSTRUCTION
PONTOON CONSTRUCTION	JSP-CP-5274	C	FOR CONSTRUCTION
PONTOON PLATFORMS CONSTRUCTION	JSP-CP-5275	A	FOR CONSTRUCTION
FIXED GANGWAY & HEADSTOCK CONSTRUCTION	JSP-CP-5276	B	FOR CONSTRUCTION
26M HINGED GANGWAY CONSTRUCTION	JSP-CP-5277	B	FOR CONSTRUCTION
ABUTMENT CONSTRUCTION	JSP-CP-5278	A	FOR CONSTRUCTION
PILE SETOUT	JSP-CP-5279	B	FOR CONSTRUCTION

GENERAL NOTES:
PONTOON TO CONSIST OF CONCRETE DECK WITHIN AN EXTRUDED MARINE GRADE ALUMINIUM FRAME CAST ONTO A POLYSTYRENE FLOTATION BLOCK ENCASED IN A H.D.P.E SHEET LINER WITH 6mm THICK H.D.P.E OUTER SHEET TO ALL SIDES INCLUDING BOTTOM SIDE.
PONTOONS CONNECTED TO EACH OTHER WITH MOULDED POLYURETHANE CONNECTORS.
ALL PILES TO BE PROTECTED WITH FUSION-BONDED EPOXY COATING AND 500-PN4, 12.3mm WALL H.D.P.E PROTECTIVE SLEEVES.
SLEEVES & PAINT WORK TO EXTEND TO MIN. 2m BELOW BED LEVEL.

CONSTRUCTION NOTES:
* ALL ALUMINIUM WORK TO COMPLY WITH AS1664.
* EXTRUDED ALUMINIUM TO BE GRADE 6351-T5.
* ALL ALUMINIUM WELDING IN ACCORDANCE WITH A.S. 1665
* ALL WELDS SHALL BE 4mm C.F.W. U.N.O.
* ALL BUTT WELDS TO BE FULL PENETRATION.
* ALL BOLTS & FITTINGS TO BE 316 STAINLESS STEEL (BOLTS TO BE GRADE A4 70).
* SURFACE OF ALUMINIUM IN CONTACT WITH CONCRETE TO BE COATED WITH GALVALINK PRIMER OR EQUIVALENT.
* BOLT INSULATION SHALL BE ACHIEVED WITH A LIBERAL COATING OF DURALAC APPLIED TO ALL CONTACTING SURFACES.
* FABRICATION TOLERANCES U.N.O. SHALL BE ± 3.0mm.
* REMOVE ALL SHARP CORNERS, BURRS & WELD SPATTER.

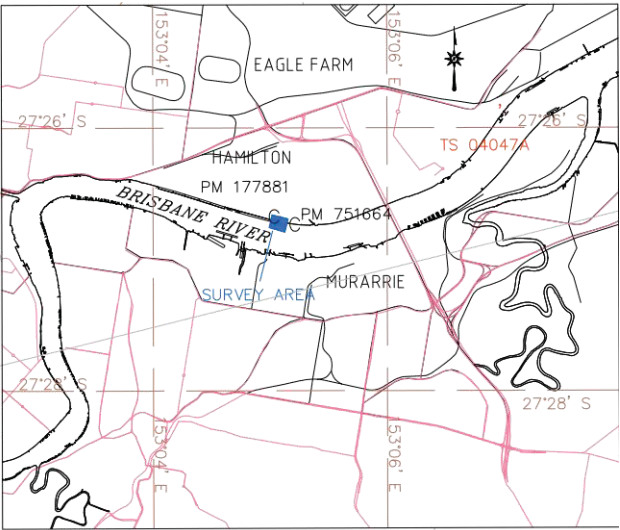
* ALL CONCRETE WORK TO COMPLY WITH AS3600.
* ALL CONCRETE TO BE 50 MPa (GRADE N50).
* ALL PONTOON REINFORCING TO BE FIBRE REINFORCED POLYMER (FRP) AND 316 STAINLESS STEEL (S.S).
* COVER OF REINFORCEMENT TO EXPOSED SURFACES TO BE 25mm MIN.
* PONTOON REINFORCING TO BE MINIMUM OF 8mm FRP BARS AT 150mm CENTRES IN EACH DIRECTION U.N.O. ALL 8Ø BAR LAPS TO BE 320mm. ALL 12Ø BAR LAPS TO BE 480mm.

* FLOTATION TO COMPRISE OF GRADE SL EXPANDED POLYSTYRENE FOAM WITH H.D.P.E PROTECTIVE COATING.

PONTOON & GANGWAY LOADINGS:
DESIGN LIVE LOAD – 3kPa (PONTOON & GANGWAY)
CONCENTRATED LOAD – 4.5kN
FLOOD VELOCITY – 2m/s (PONTOON)

BERTHING:
MAX. VESSEL LENGTH – 30.0m
MAX. VESSEL BEAM – 7.5m
MAX. VESSEL DISP. – 50.0t
MAX. IMPACT VELOCITY – 0.6m/s
IMPACT APPROACH ANGLE – 10°

NOTE:
EXISTING STRUCTURES SHOWN IN APPROXIMATE POSITION ONLY



LOCALITY PLAN
N.T.S

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2018/936
Date: 10 AUGUST 2018



REV	DATE	AMENDMENT	REQD
D	14/2/18	REGISTER UPDATED	TJS
C	5/2/18	PONTOON MOVED, REGISTER UPDATED	TJS
B	1/2/18	REGISTER UPDATED	TJS
A	16/1/18	FOR CONSTRUCTION	TJS

THE MARINA SPECIALIST
TRADING AS ACN 010633119
2 INDUSTRIAL AVE
CALOUNDRA
QLD. AUSTRALIA 4551
PHONE (07)5492 5925
FAX (07) 5492 6699

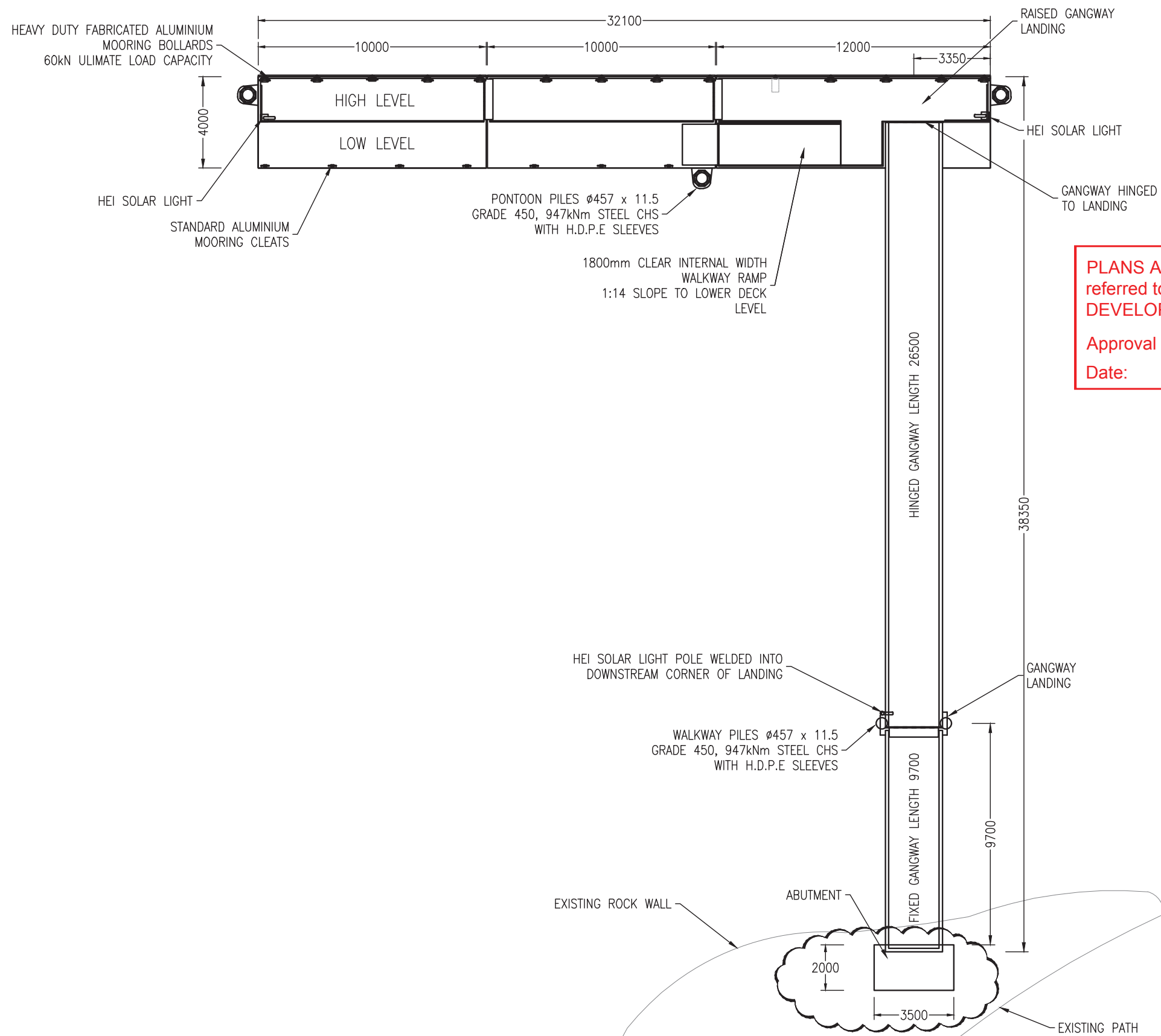
THE **jetty**-
SPECIALIST

sunshine coast office
EMPIRE
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PO Box 102 Mooloolaba Qld 4557
admin.sc@empireengineering.com.au

CHECKED: R.P.E.Q. DATE:

CLIENT: TRANSPORT AND MAIN ROADS HAMILTON NORTH SHORE NEW FARM	TITLE: COVER SHEET & LOCALITY PLAN IMAGE OVERLAY
PROJECT: PUBLIC PONTOON (BC22) DESIGN & CONSTRUCTION	SCALE: 1:500 DATE: 19/10/2017 DRAWING NO: JSP-CP-5270
DRAWN: TDB CHECKED:	DIMENSIONS: MILLIMETRES ISSUE: D A3

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DEVELOPMENT APPROVAL

Approval no: DEV2018/936

Date: 10 AUGUST 2018



REV	DATE	AMENDMENT	REQD
C	14/2/18	ABUTMENT SIZE AMENDED	TJS
B	1/2/18	FLOOD POSTS REMOVED, LIGHT POLE NOTE	TJS
A	18/12/17	FOR CONSTRUCTION	TJS

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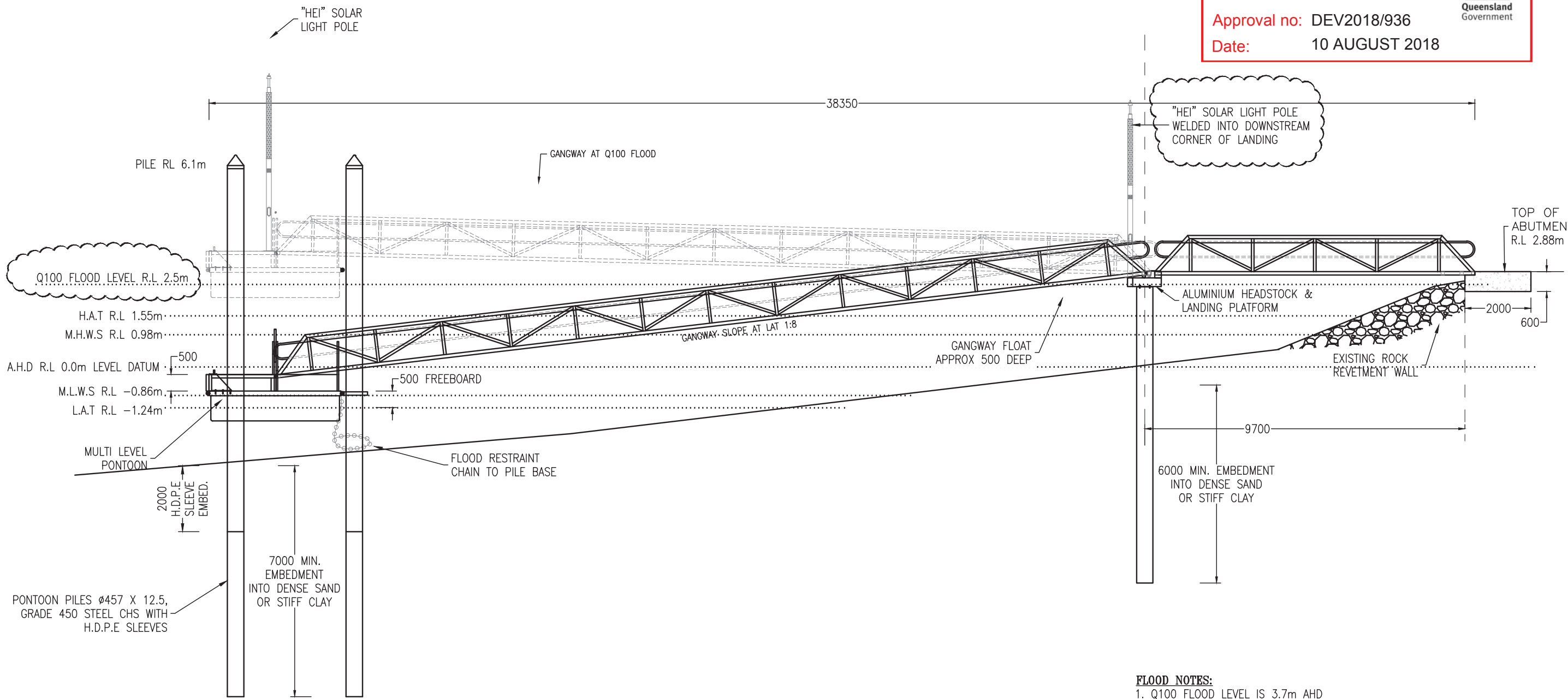
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sunshine coast office
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PO Box 102 Mooloolaba Qld 4557
admin.sc@empireengineering.com.au
CHECKED: R.P.E.Q. DATE:

CLIENT: TRANSPORT AND MAIN ROADS HAMILTON NORTH SHORE NEW FARM		TITLE: LAYOUT PLAN		
PROJECT: PUBLIC PONTOON (BC22) DESIGN & CONSTRUCTION		SCALE: 1:200	DATE: 19/10/2017	DRAWING NO: JSP-CP-5271
DRAWN TDB	CHECKED	DIMENSIONS MILLIMETRES	ISSUE C	A3

PLANS AND DOCUMENTS
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DEVELOPMENT APPROVAL



Approval no: DEV2018/936
Date: 10 AUGUST 2018



- FLOOD NOTES:**
1. Q100 FLOOD LEVEL IS 3.7m AHD
 2. THE FLOATING PONTOON IS DESIGNED TO FLOAT OFF THE TOP OF THE PONTOON PILES (TOP R.L. 6.1m A.H.D) DURING FLOODS EXCEEDING ABOUT R.L 5.65m A.H.D (ABOUT 1.95m ABOVE THE Q100 FLOOD LEVEL GIVEN IN THE TENDER DOCUMENTS, AND PONTOON GANGWAYS, PILES AND ANY MOORED VESSELS MAY SUFFER DAMAGE IN SUCH EVENTS. THE PONTOON RESTRAINT CHAIN IS PROVIDED TO RESTRAIN THE PONTOON IN THIS SITUATION
 3. THE CATWALK IS NOT DESIGNED FOR FLOOD AND / OR DEBRIS LOADS, AND MAY SUFFER DAMAGE DURING FLOODS EXCEEDING THE LEVEL OF THE TOP OF THE ALUMINIUM HEADSTOCK/FIXED CATWALK (R.L 2.7m)
 4. WHENEVER THE BUREAU OF METEOROLOGY FORECASTS MAJOR FLOODING IN THE BRISBANE RIVER, VESSELS SHOULD BE REMOVED FROM THE PONTOON

REV	DATE	AMENDMENT	REQD
B	1/2/18	Q100 REDUCED, LIGHT POLE NOTE CHANGED	TJS
A	18/12/17	FOR CONSTRUCTION	TJS

THE MARINA SPECIALIST

TRADING AS

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THE

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ENGINEERING

ACN 112761510 ABN 21112761510

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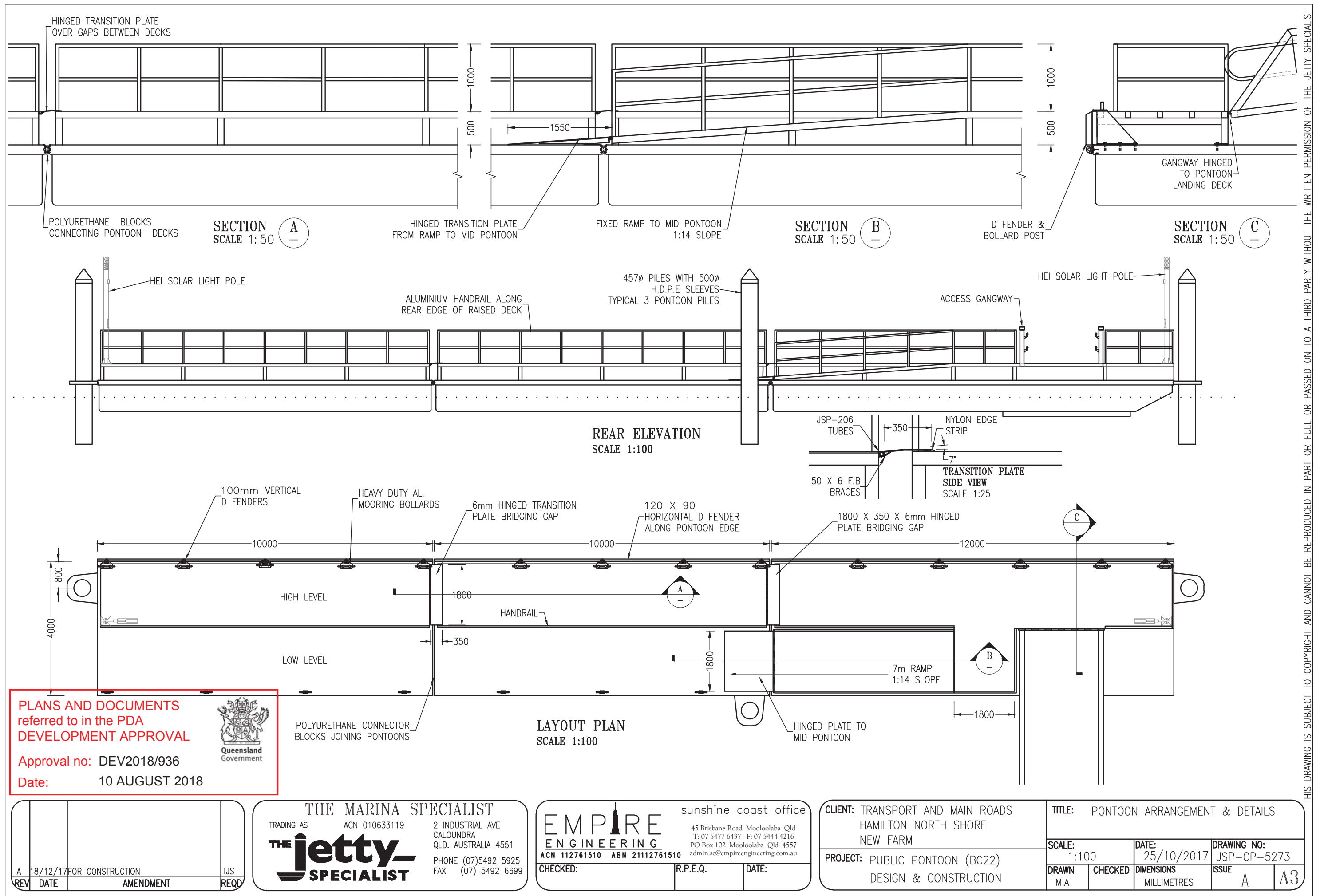
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sunshine coast office

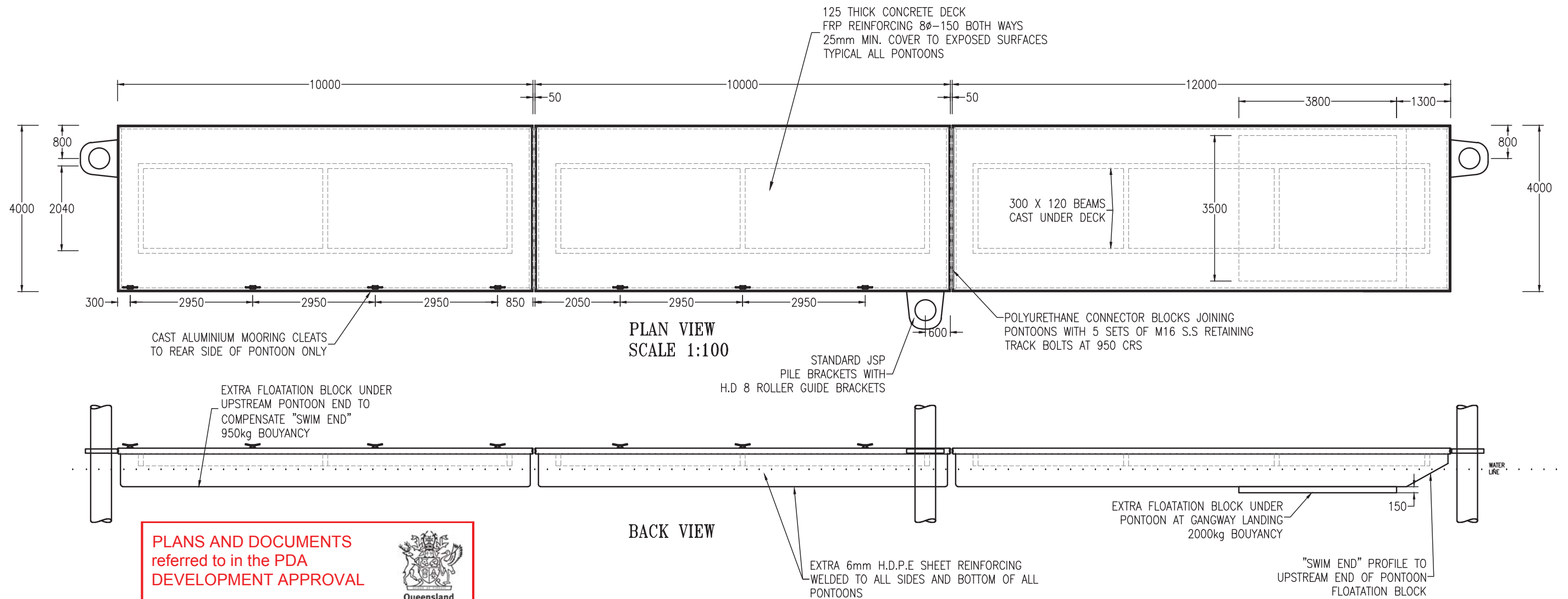
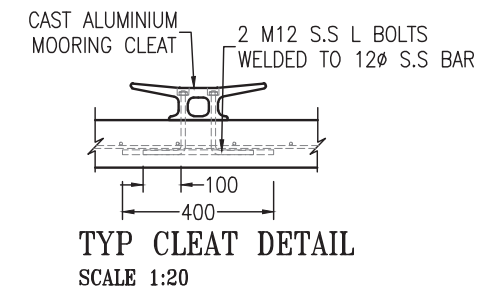
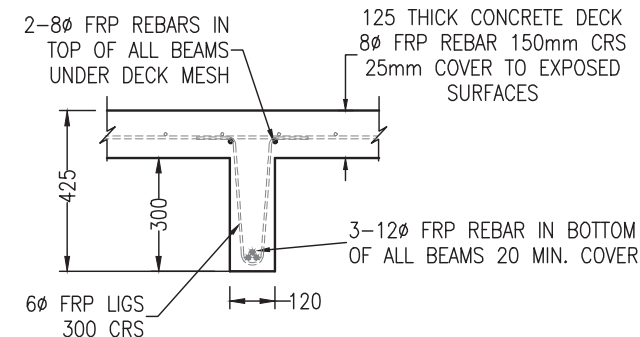
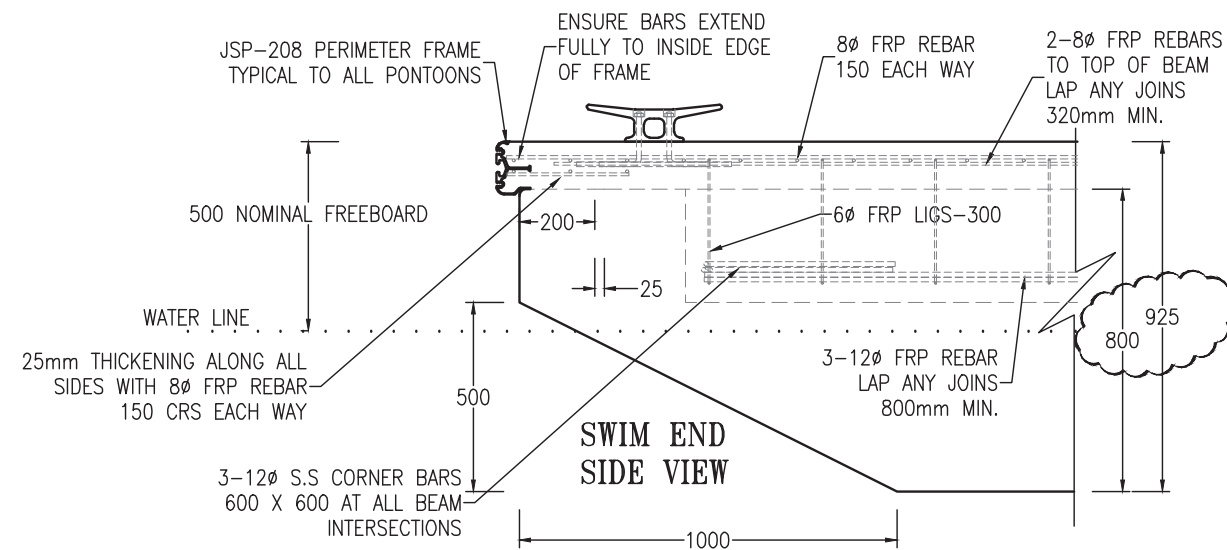
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CLIENT: TRANSPORT AND MAIN ROADS HAMILTON NORTH SHORE NEW FARM		TITLE: ELEVATION		
PROJECT: PUBLIC PONTOON (BC22) DESIGN & CONSTRUCTION		SCALE: 1:125	DATE: 19/10/2017	DRAWING NO: JSP-CP-5272
DRAWN M.A	CHECKED	DIMENSIONS MILLIMETRES	ISSUE B	A3

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Approval no: DEV2018/936

Date: 10 AUGUST 2018



REV	DATE	AMENDMENT	REQD
C	5/2/18	PONTOON DEPTH AMENDED	ENG
B	1/2/18	DETAILS AMENDED	TJS

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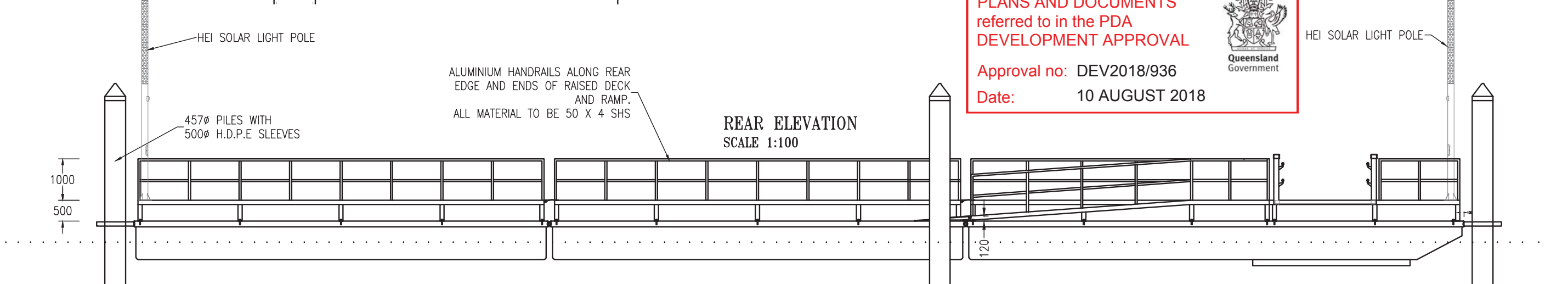
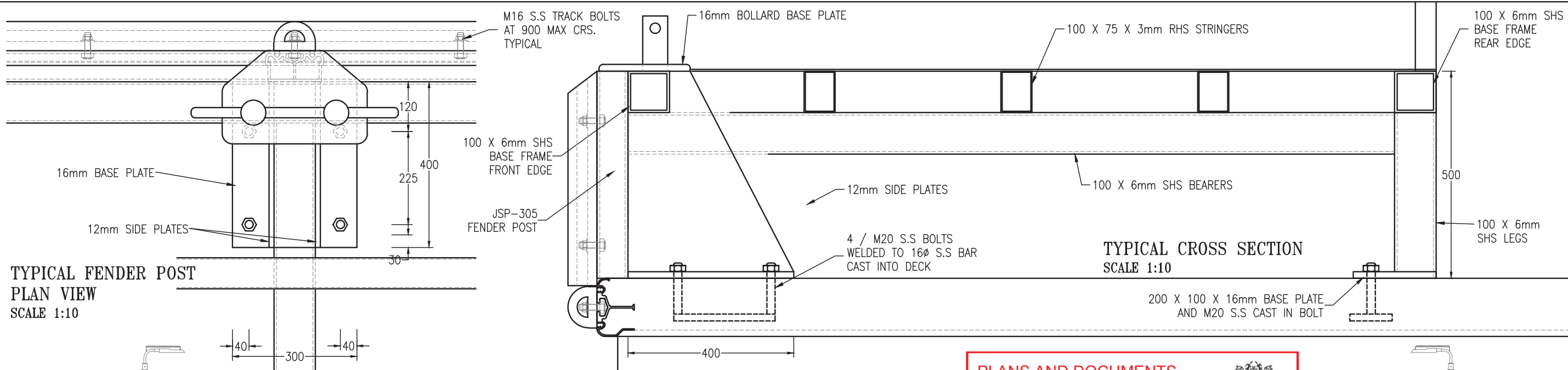
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CHECKED: R.P.E.Q. DATE:

CLIENT: TRANSPORT AND MAIN ROADS HAMILTON NORTH SHORE NEW FARM		TITLE: PONTOON CONSTRUCTION DETAILS	
PROJECT: PUBLIC PONTOON (BC22) DESIGN & CONSTRUCTION		SCALE: 1:100 1:20	DATE: 15/1/2017
DRAWN M.A.	CHECKED	DIMENSIONS MILLIMETRES	DRAWING NO: JSP-CP-5274
			ISSUE C
			A3

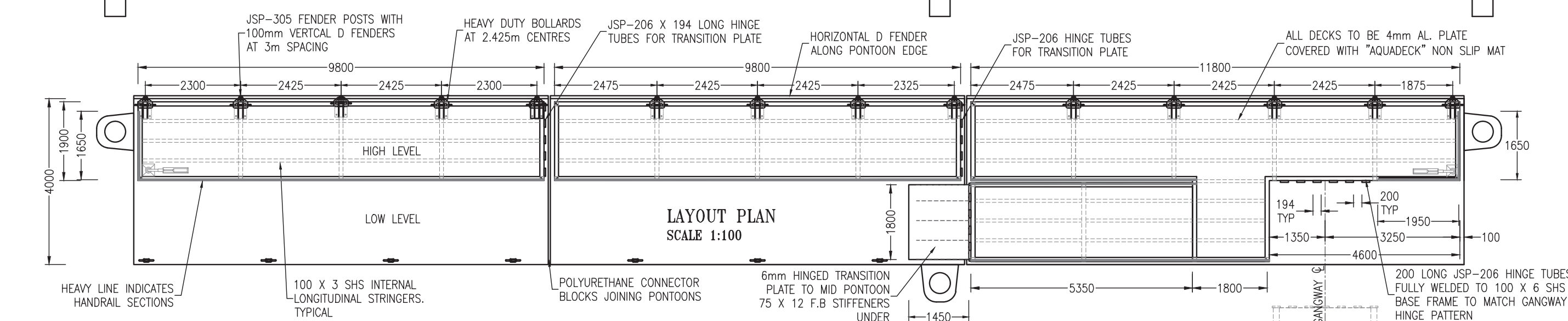
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Date: 10 AUGUST 2018



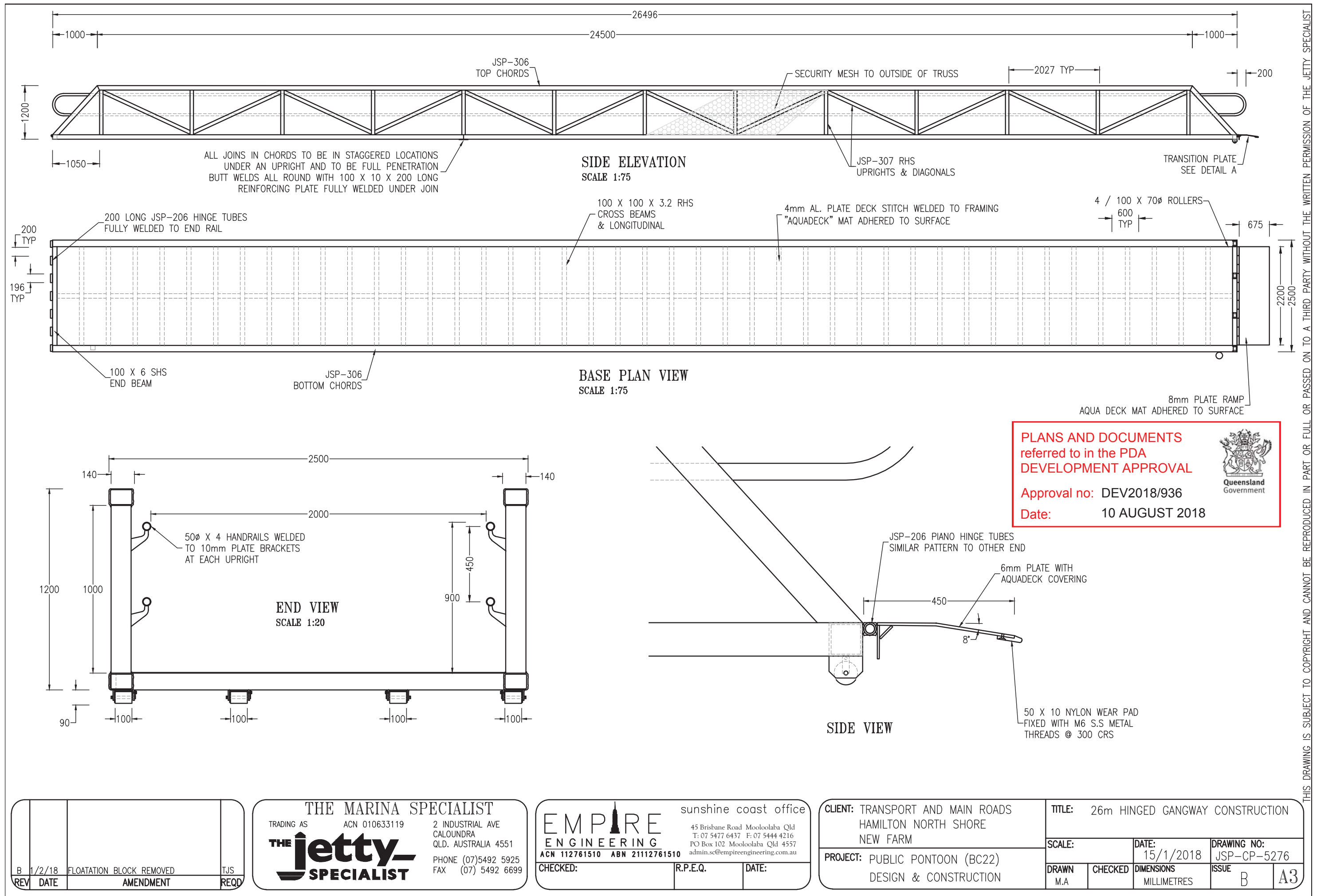
REV	DATE	AMENDMENT	REQD

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ACN 112761510 ABN 21112761510
CHECKED: R.P.E.Q. DATE:

CLIENT: TRANSPORT AND MAIN ROADS
HAMILTON NORTH SHORE
NEW FARM
PROJECT: PUBLIC PONTOON (BC22)
DESIGN & CONSTRUCTION

TITLE: PONTOON PLATFORM CONSTRUCTION			
SCALE: 1:100 1:10		DATE: 15/1/2018	DRAWING NO: JSP-CP-5275
DRAWN M.A	CHECKED	DIMENSIONS MILLIMETRES	ISSUE A A3

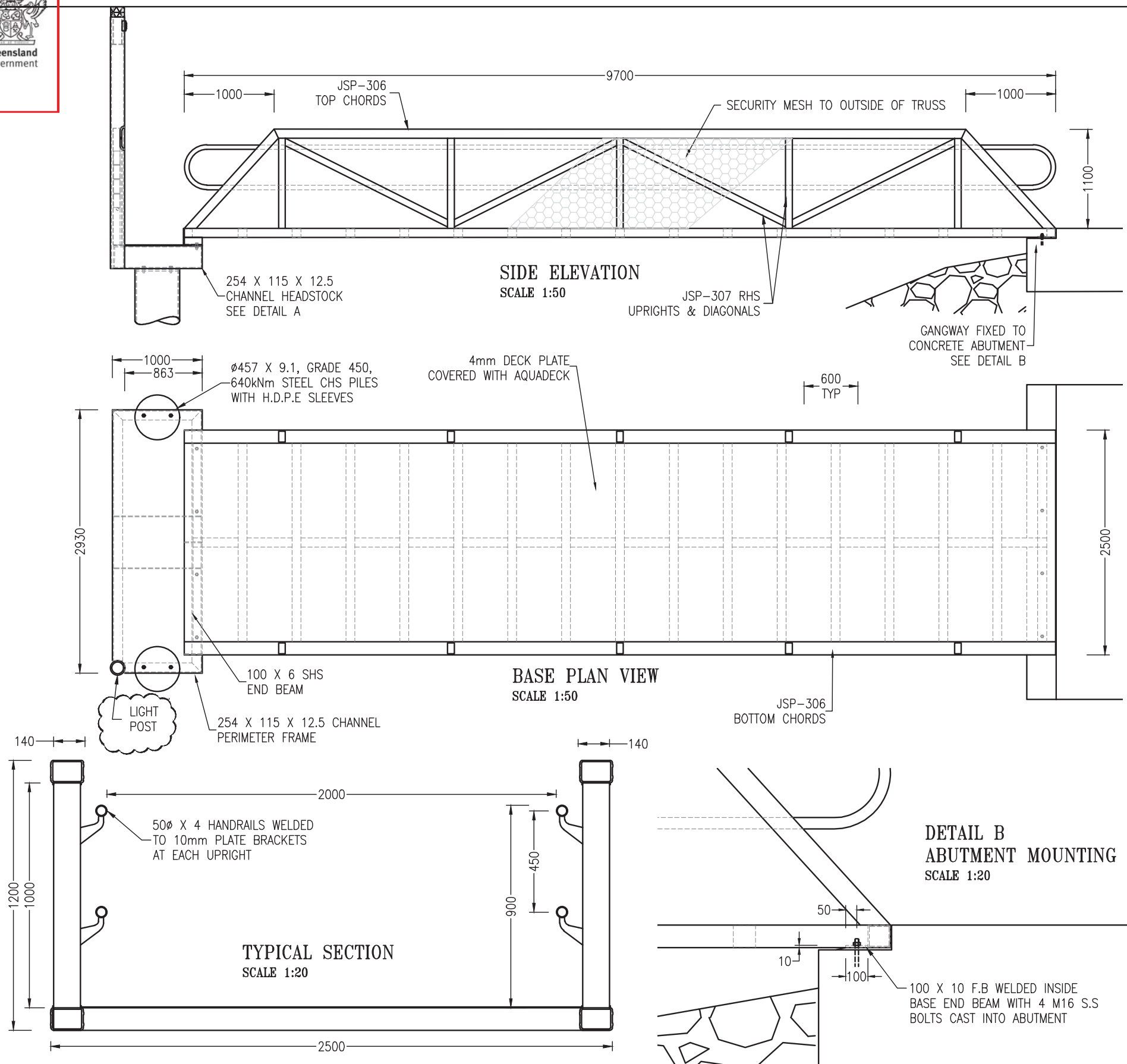
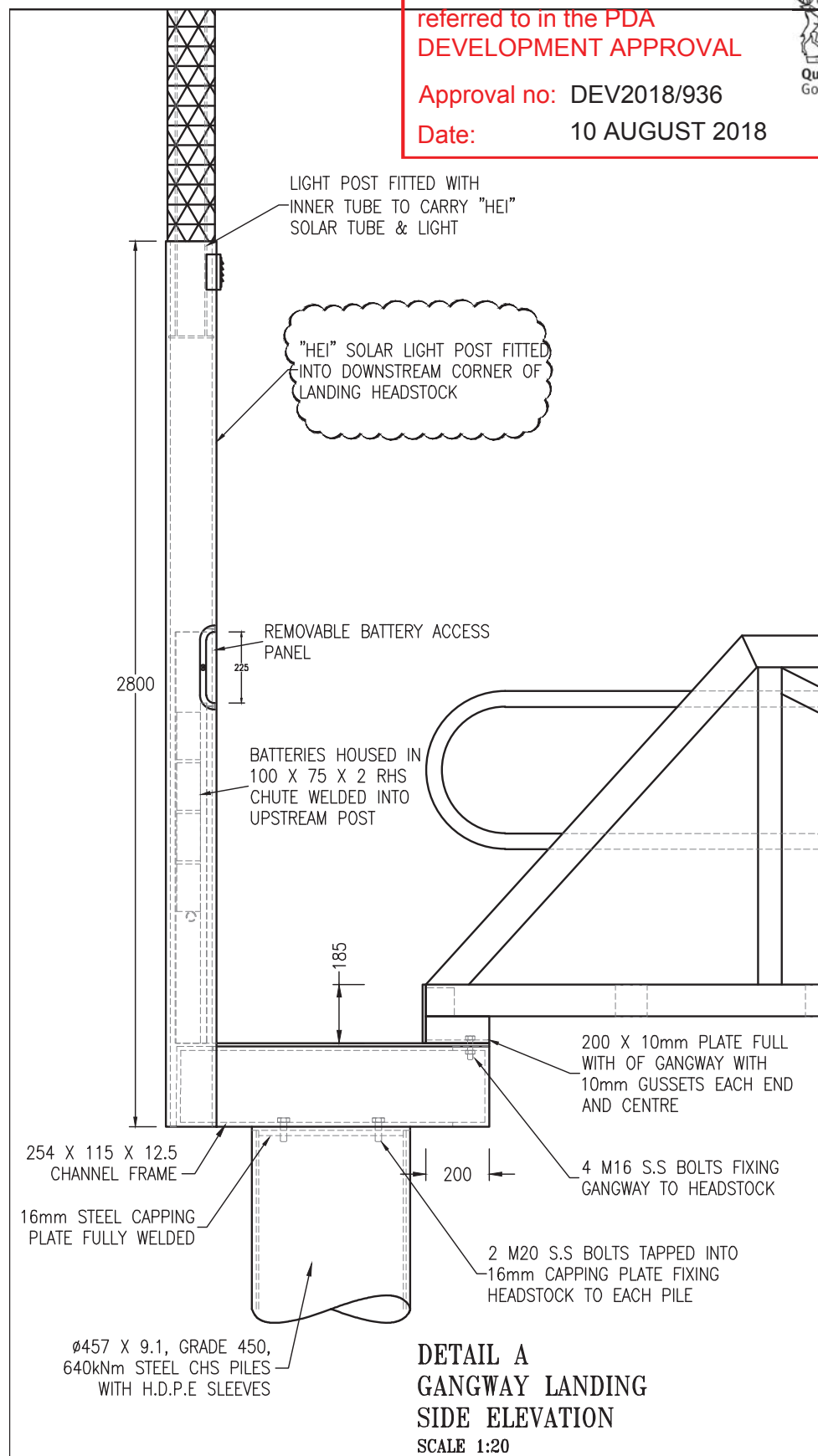


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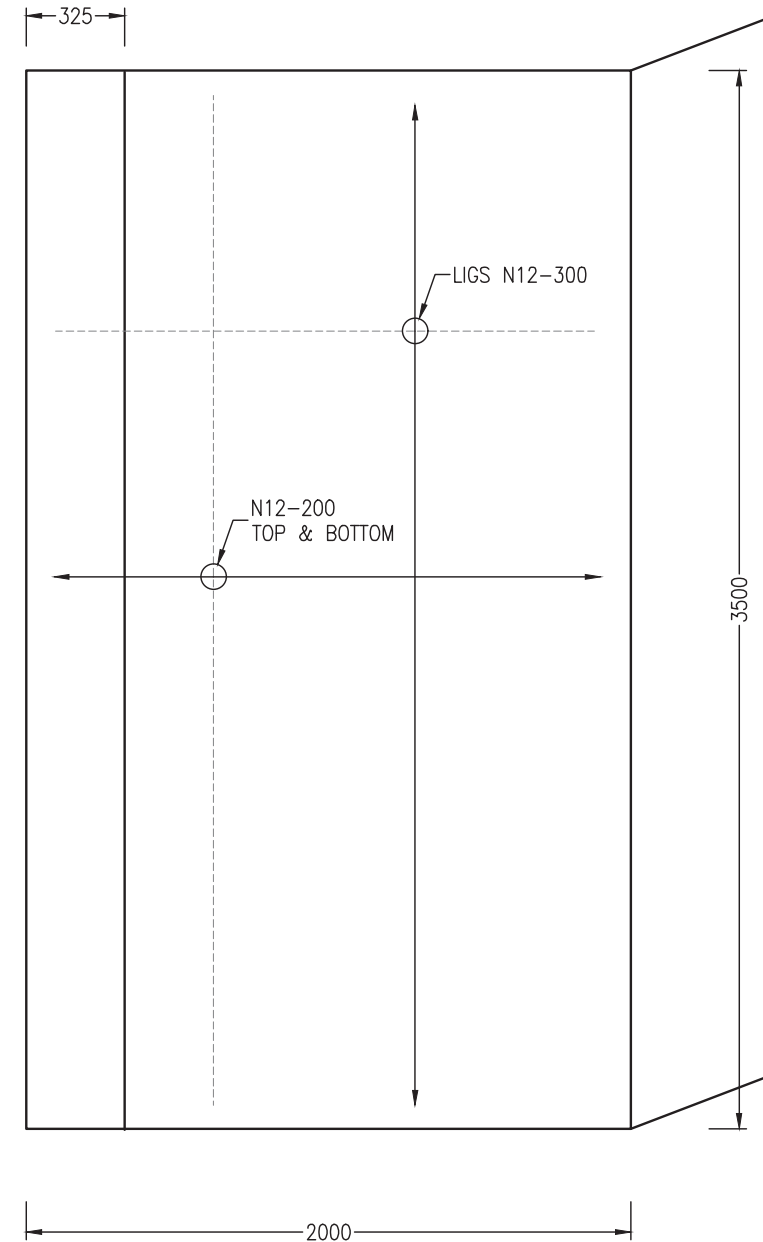
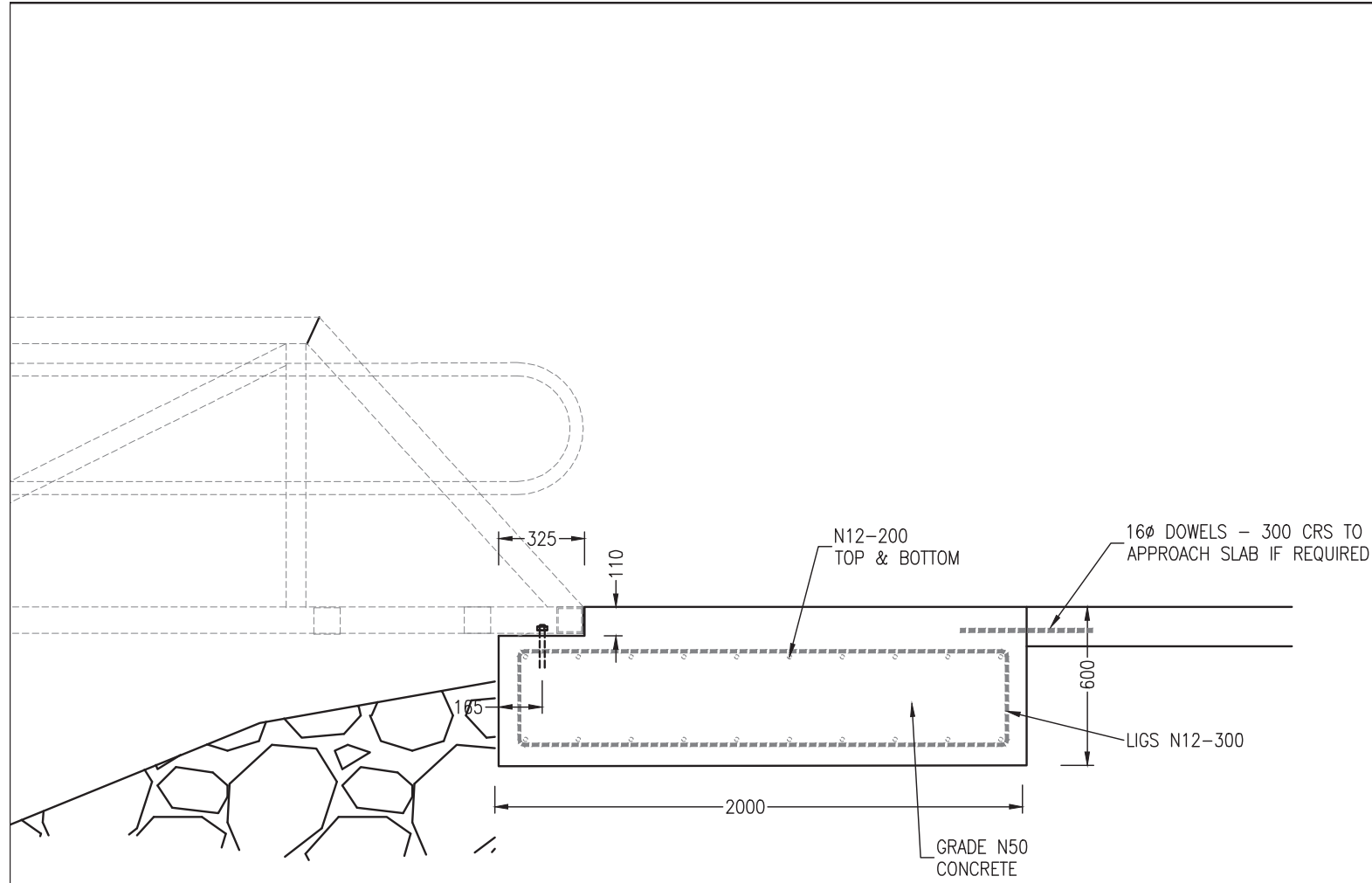
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Queensland
Government



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PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL



Approval no: DEV2018/936
Date: 10 AUGUST 2018

REV	DATE	AMENDMENT	REQD

THE MARINA SPECIALIST
TRADING AS ACN 010633119
THE jetty SPECIALIST
2 INDUSTRIAL AVE
CALOUNDRA
QLD. AUSTRALIA 4551
PHONE (07)5492 5925
FAX (07) 5492 6699

EMPIRE ENGINEERING
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PO Box 102 Mooloolaba Qld 4557
admin.sc@empireengineering.com.au
CHECKED: R.P.E.Q. DATE:

CLIENT: TRANSPORT AND MAIN ROADS HAMILTON NORTH SHORE NEW FARM		TITLE: ABUTMENT CONSTRUCTION	
PROJECT: PUBLIC PONTOON (BC22) DESIGN & CONSTRUCTION		SCALE: 1:25	DATE: 16/1/2018
DRAWN M.A	CHECKED	DIMENSIONS MILLIMETRES	DRAWING NO: JSP-CP-5278
		ISSUE A	A3

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