

27 August 2024

Fraser Coast Regional Council
C/- UPRS – Urban Places Regional Spaces Pty Ltd
PO Box 9
CAMP HILL QLD 4152

Dear Nicole,

REFERRAL AGENCY RESPONSE – LIMITED TO ADVICE - RR2024/004/01
(GIVEN UNDER S56 PLANNING ACT 2016)

1 Application Details

The development application was properly referred to the Gladstone Ports Corporation Limited under section 54 of the *Planning Act 2016* on **19 August 2024**.

Application Number:	RR2024/004/01
Applicant Name:	Fraser Coast Regional Council
Applicant Contact Details:	Fraser Coast Regional Council C/- UPRS – Urban Places Regional Spaces Pty Ltd PO Box 9 CAMP HILL QLD 4152 Email nicole@uprs.com.au
Approval Sought (Port Limits):	Operational works that is tidal works within the limits of a Port (Port of Maryborough) – GPC as Referral Agency (Limited to advice)
Details of Proposed Development:	Operational works for the replacement of the pontoon and bank stabilisation including the demolition of the existing infrastructure.
Location Street Address:	Queens Park, Walker Street, Maryborough
Location Real Property Description:	Lots 2 and 4 SP212864 and part of Lot 2 SP214656 and adjacent unallocated State land below the high-water mark.
Land Owner:	Department of Resources

2 Description of Proposed Development

Operational works for the replacement of the pontoon and bank stabilisation including the demolition of the existing infrastructure.

3 Referral Triggers

This development application was referred to the Gladstone Ports Corporation Limited under the following provisions of the *Planning Regulation 2017*:

Schedule 10, Part 13, Division 3, Table 1, Item 1 –

- a. Prescribed assessable development within limits of a port and
- b. On land below high-water mark and within the limits of a port under the Transport Infrastructure Act

4. Details of Referral Response

This development application has been assessed against port authority functions under the *Transport Infrastructure Act 1994*, Chapter 8, Part 3 as required in Schedule 10, Part 13, Division 3, Table 1, Item 4 of the *Planning Regulation 2017*.

The Gladstone Ports Corporation Limited requests the Assessment Manager, under section 56(3) of the *Planning Act 2016* to give the following advice stated in Attachment 1.

For further information please contact Trudi Smith, Planning Specialist on 07 4976 1314 or via email planning@gpcl.com.au.

Yours sincerely



Kim Gebers
Acting Chief Executive Officer

Cc: Assessment manager
Enc. Attachment 1: Referral Agency Advice

Attachment 1: Referral Agency Advice

PART 1: ADVICE

The development proposal is generally in compliance with the requirements of *Transport Infrastructure Act 1994* (TIA). This development approval is subject to each the following advice which are provided by GPC, the Referral Agency.

Part 1a: Approval sought under *Planning Act 2016* – OPW – Operational works that is tidal works within the limits of a Port – GPC as the Referral Agency (limited to advice)

General

1. Unless otherwise stated, all conditions must be complied with and completed prior to the commencement of the development.
2. Where additional “approval” is required under these conditions by the Referral Agency (Gladstone Ports Corporation Limited) for drawings or documentation the Applicant must submit for review, amend to the satisfaction of, and obtain written approval from the Referral Agency.

Furthermore, the Referral Agency will require no less than 10 business days, unless otherwise conditioned by the Referral Agency, to initially assess the drawings or documentation provided prior to the commencement of the works. Should further information be required for assessment, the Referral Agency will require a further 5 business days to complete the information request assessment and response.

3. The development must be a designed and constructed to mitigate potential adverse impacts to port functions, services and facilities, and to maintain safe navigable access within Port Limits.

Engineering

4. Upon completion of the works, the Applicant must supply the Referral Agency with RPEQ certified “As Constructed” plans in both hard copy (2 of) and electronic (CAD format) which illustrate all infrastructure and services installed on, under or over Port limits associated with the activity unless otherwise approved in writing by the Referral Agency.
5. The Applicant must inform the Referral Agency of completion of works within Port Limits within 14 days of practical completion and certify that the site is fit for purpose.
6. Any site lighting used during construction / development should not negatively impact on the visibility of Navigational Aids utilised for the primary shipping channels within Port Limits nor illuminate a landward glare beyond the site boundary. Lighting must be reviewed during construction and use of the development with respect to navigation. Where an issue is identified or a validated complaint received, the Applicant must immediately rectify to the satisfaction of the Referral Agency.
7. Any material which is deposited (not authorised under this approval) or any debris which falls or is deposited within Port Limits during the construction of the approved development shall be removed by the applicant at their cost and expense prior to the commencement of the use of approved structure.

8. Upon completion of construction, the applicant shall provide the Referral Agency with written confirmation that the waterway is clear of foreign materials not authorised under this approval.
9. If, as a result of the works, or other cause attributable to the Applicant, any bank or tidal structure within Port Limits is displaced (excluding approved works), the Applicant at its cost and expense shall restore the bank or structure to its former condition and take such other action as is necessary to ensure the stability of the bank or structure to the satisfaction of the Regional Harbour Master.
10. Prior to works within Port Limits commencing, the Applicant or their contractor must supply to the Referral Agency for review and approval an Emergency Management Plan for the works within Port Limits for all potential incidents e.g. contaminant spill, riverine flood, adverse weather etc.

Incident Notification

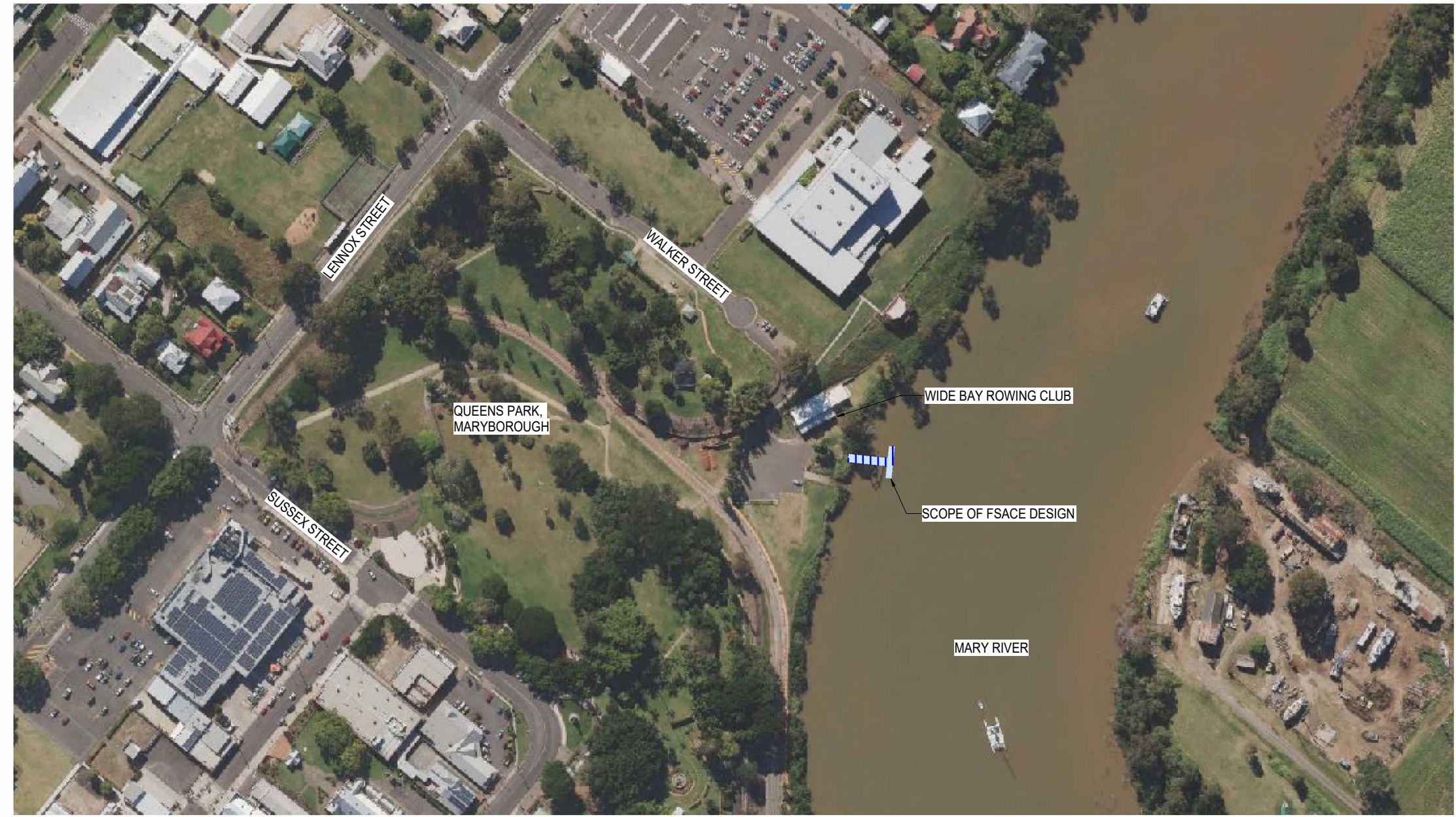
11. At all times, Gladstone Ports Corporation Environmental Hotline (07) 4976 1617 is to be notified of the occurrence of any:
 - a) Release / spill of contaminants (e.g. fuels / chemicals / sewerage) of any amount to water, and
 - b) Any environmental complaints received by the holder of this approval.
12. Environmental incident notification must be included in any Management Plans for the works within Port Limits.

Referral Agency Advice Notes

- A. Where the Applicant is required to submit further documentation to the Referral Agency, this is to be directed to the Planning section at planning@gpcl.com.au, including reference to the allocated referral response number.
- B. All development should proceed in accordance with the duty of care guidelines under the *Aboriginal Cultural Heritage Act 2003*. Penalties may apply where duty of care under that Act has been breached.
- C. The *Environmental Protection Act 1994* states that a person must not carry out any activity that causes, or is likely to cause, environmental harm unless the person takes all reasonable and practicable measures to prevent or minimise the harm. Environmental harm includes environmental nuisance. In this regard persons and entities, involved in the civil, earthworks, construction, and operational phases of this development, are to adhere to their 'general environmental duty' to minimise the risk of causing environmental harm.

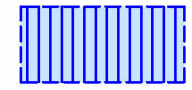


FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON



DRAWING SCHEDULE	
DWG NO.	TITLE
S001	LOCALITY PLAN/DRAWING SCHEDULE
S002	PROJECT NOTES SHEET 1 OF 3
S003	PROJECT NOTES SHEET 2 OF 3
S004	PROJECT NOTES SHEET 3 OF 3
S200	OVERALL GENERAL ARRANGEMENT
S201	TYPICAL SECTION SHEET 1 OF 2
S202	TYPICAL SECTION SHEET 2 OF 2
S203	PILE LAYOUT AND TYPICAL SECTION
S204	PILE DETAILS
S205	PILE BRACKET DETAILS SHEET 1 OF 3
S210	PONTOON DETAILS
S211	PONTOON DETAILS REINF DETAILS
S212	FOAM BLOCK DETAILS
S213	TRANSITION RAMP
S214	ROLLER RESTRAINT BRACKET DETAILS
S220	GANGWAY LAYOUT PLAN SHEET 1 OF 2
S221	GANGWAY LAYOUT PLAN SHEET 2 OF 2
S222	GANGWAY ELEVATION, SECTION AND ISOMETRIC
S223	GANGWAY PINNED HINGE DETAILS SHEET 1 OF 2
S224	GANGWAY PINNED HINGE DETAILS SHEET 2 OF 2
S225	GANGWAY FLARE PLAN, ELEVATIONS & ISOMETRIC VIEWS
S226	GANGWAY FLARE DETAILS
S227	NYLON ROLLER BRACKET DETAILS
S228	TOW BAR DETAIL
S229	GANGWAY FLOTATION DETAILS
S240	GANGWAY REMOVAL SEQUENCE SHEET 1 OF 5
S241	GANGWAY REMOVAL SEQUENCE SHEET 2 OF 5
S242	GANGWAY REMOVAL SEQUENCE SHEET 3 OF 5
S243	GANGWAY REMOVAL SEQUENCE SHEET 4 OF 5
S244	GANGWAY REMOVAL SEQUENCE SHEET 5 OF 5
S245	GANGWAY TRANSPORT SWEEP PATH
S246	GANGWAY TRANSPORT VERTICAL CLEARANCE ASSESSMENT

MAP LEGEND:



SCOPE OF FSACE DESIGN:

SITE INFORMATION:

SUBJECT AREA/BUILDING:
RPD:

WALKER ST MARYBOROUGH QLD 4650
LOT 4 ON SP 212864

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY
C	07/02/24	70% DETAILED DESIGN	BH
B	15/12/23	25% DETAILED DESIGN	BH
A	22/11/23	ISSUED FOR APPROVAL	BH
AMENDMENTS			

FSA CONSULTING ENGINEERS P/L
temporary works | commercial | marine ABN 68802194425

Unit 12, Tingalpa Central
1631 Wynnum Rd, TINGALPA
PO Box 2282, TINGALPA QLD 4173

Tel. +617 3393 9447
email: admin@fsace.com.au
website: www.fsace.com.au

CLIENT:
Fraser Coast
REGIONAL COUNCIL

PROJECT:
FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON
WALKER ST, MARYBOROUGH, QLD, 4650

PROJECT REFERENCE No.: FS3192F

APPROVED BY:

RPEQ: _____
CPEng NER _____
DATE: _____

SHEET CONTENTS:
LOCALITY PLAN/DRAWING SCHEDULE

DRAWN:	BH	DATE:	17/11/23	Q.A. CHECK:	PLB	DATE:	07/02/24	SCALE:	As indicated
DESIGNED:	OL	DWG No.:	FS3192F - S001	ISSUE TYPE:	APPROVAL				

SHEET SIZE: A3
ISSUE: C

DESIGN DATA:

L1. DESIGN WORKING LIFE: 50 YEAR(S)
(PROVIDED A REGULAR MAINTENANCE REGIME OCCURS)

L2. DESIGN DATA IS IN ACCORDANCE WITH:

- AS1170.0 (2002): STRUCTURAL DESIGN ACTIONS GENERAL PRINCIPLES
- AS1170.1 (2002): PERMANENT, IMPOSED AND OTHER ACTIONS
- AS1170.2 (2021): STRUCTURAL DESIGN ACTIONS - WIND ACTIONS
- AS2159 (2009): PILING – DESIGN AND INSTALLATION
- AS1657 (2018): FIXED PLATFORMS, WALKWAYS, STAIRWAYS AND LADDERS – DESIGN, CONSTRUCTION AND INSTALLATION
- AS4997 (2005): GUIDELINES FOR THE DESIGN OF MARITIME STRUCTURES
- AS1664 (1997): ALUMINIUM STRUCTURES
- AS4100 (2020): STEEL STRUCTURES
- AS 3962 GUIDELINES FOR DESIGN OF MARINAS

L4. DESIGN LOADS:

GANGWAY / PONTOON LIVE LOADS:

- FLOOR UNIFORMLY DISTRIBUTED LOAD: 3.0kPa (300kg/m²)
- FLOOR POINT LOAD: 4.50kN (450kg)

WIND LOADS:

- WIND REGION: B1
- ANNUAL PROBABILITY OF EXCEEDANCE: 1/500 (ULTIMATE)
- REGIONAL WIND SPEED (ULTIMATE): 52.00m/s
- REGIONAL WIND SPEED (SERVICEABILITY): 39.00m/s
- OPERATING WIND SPEED: 30.00m/s
- TERRAIN CATEGORY: 1
- SHIELDING MULTIPLIER: 1
- TOPOGRAPHIC MULTIPLIER: 1

CURRENT/ FLOOD LOADS:

(TAKEN FROM AECOM'S MARCH ST FLOATING PONTOON PROJECT)

- FLOOD VELOCITY (LONGITUDINAL): 3.5m/s
- FLOOD VELOCITY (TRANSVERSE): 1.5m/s
- OP. CURRENT VELOCITY (LONGITUDINAL): 2.0m/s
- OP. CURRENT VELOCITY (TRANSVERSE): 1.0m/s

WAVE LOADS:

- SIGNIFICANT WAVE HEIGHT: 0.5m
- WAVE PERIOD: 2-4 SECONDS

VESSEL BERTHING:

(TAKEN FROM AECOM'S MARCH ST FLOATING PONTOON PROJECT)

- MAX VESSEL:
 - DISPLACEMENT: 50t
 - LENGTH: 30m
 - BEAM: 7.5m
 - DRAFT: 1.5m
- VESSEL BERTHING VELOCITY: 0.60m/s
- BERTHING ANGLE: 10°
- 5TH POINT BERTHING

DEBRIS MAT LOADS:

- MIN. DEBRIS MAT THICKNESS: 1.2m
- MIN. DEBRIS LOADING: 10kN/m

LOG IMPACT LOADS:

- LOG MASS: 2t
- NOTE: LOCAL DAMAGE DUE TO LOG IMPACT ON GANGWAY MEMBERS IS DEEMED TO OCCUR, HOWEVER, WITHOUT COMPROMISING THE OVERALL STABILITY.

L5. DESIGN ASSUMPTIONS/ ADDITIONAL NOTES:

- VESSELS NOT ALLOWED TO BE MOORED FOR WIND / CURRENT SPEEDS EXCEEDING OPERATIONAL LIMITS ABOVE.

- MINIMUM PILE ESTIMATED LENGTH IS 28m AND ASSUMED TO BE EMBEDDED MIN. 12m INTO THE RIVERBED, INCLUDING 5m INTO THE SILT STONE LAYER LOCATED AT ~ -10.0m AHD). THIS INFORMATION NEEDS TO BE CONFIRMED BY THE CONTRACTOR ONCE A GEOTECHNICAL INVESTIGATION REPORT IS AVAILABLE.

GENERAL NOTES:

G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE RELEVANT SCOPE OF WORK & SPECIFICATIONS AND ANY OTHER CONSULTANT'S DRAWINGS OR SPECIFICATIONS AS APPROPRIATE. ALL DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT OR ENGINEER BEFORE PROCEEDING WITH THE WORK.

G2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED. ONLY FIGURED DIMENSIONS ARE TO BE USED. THESE DRAWINGS SHALL NOT BE SCALED.

G3. ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED BEFORE SETTING-OUT, CONSTRUCTION OR FABRICATION IS COMMENCED.

G4. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STABILITY OF THE STRUCTURE AND OTHER ADJACENT STRUCTURES.

G5. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE RELEVANT CURRENT AUSTRALIAN STANDARDS INCLUDING THE NATIONAL CONSTRUCTION CODE INCORPORATING THE BUILDING CODE OF AUSTRALIA AND THE BUILDING ACT QUEENSLAND.

G6. APPROVAL OF ANY SUBSTITUTION SHALL BE SOUGHT FROM THE SUPERINTENDENT OR ENGINEER. AUTHORISATION FOR SUBSTITUTION SHALL NOT BE TAKEN AS APPROVAL FOR A VARIATION TO THE CONTRACT. ANY ADDITIONAL WORKS INVOLVED SHALL BE REFERRED TO THE SUPERINTENDENT OR ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORKS.

G7. UNLESS DRAWINGS ARE IDENTIFIED AS "FOR CONSTRUCTION" THEY SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.

G8. THESE DRAWINGS ARE PROJECT SPECIFIC AND ARE NOT AUTHORISED TO BE USED AT ANY TIME FOR ANY STRUCTURE OTHER THAN THAT SPECIFIED ON THE PLAN.

G9. NOMINATION OF PROPRIETARY ITEMS DOES NOT INDICATE EXCLUSIVE PREFERENCE BUT INDICATES THE REQUIRED PROPERTIES OF THE ITEM. SIMILAR ALTERNATIVES HAVING THE REQUIRED PROPERTIES MAY BE SUBMITTED TO THE SUPERINTENDENT OR ENGINEER FOR APPROVAL.

G10. INSTALLATION AND ASSEMBLY OF PROPRIETARY ITEMS AS PART OF A PROPRIETARY SYSTEM SHALL BE AS PER THE MANUFACTURER'S SPECIFICATIONS. IN THE INSTANCE THAT THESE DRAWINGS DEVIATE FROM THE MANUFACTURER'S SPECIFICATION IN ANY WAY IMMEDIATELY CEASE WORKS AND REFER TO THE ENGINEER BEFORE PROCEEDING.

G11. INTENDED USE LIMITATIONS AND LIMITING ALLOWABLE ENVIRONMENTAL CONSIDERATIONS RELATING TO THE DOCUMENTED STRUCTURE ARE AS PER THE DESIGN NOTED IN THESE DESIGN DRAWINGS, AND ANY RELEVANT CALCULATION REPORTS OR SPECIFICATIONS. INTENTIONAL USE OF THE STRUCTURE OUTSIDE OF THE DESIGN PARAMETERS IS NOT PERMITTED WITHOUT APPROVAL FROM THE CERTIFYING ENGINEER.

G12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE SUPERINTENDENT IF THERE ARE ANY POTENTIAL HAZARDS OR RISKS THAT ARE UNIQUE TO THIS PARTICULAR DESIGN, SITE CONDITIONS, CONSTRUCTION METHODOLOGY OR ANY OTHER CONDITION THAT SHOULD BE CONSIDERED AS PART OF THE SAFETY IN DESIGN REVIEW UNDER THE WORK HEALTH AND SAFETY ACT 2011.

G13. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL LOCATE ALL EXISTING ABOVE GROUND AND BELOW GROUND SERVICES WHICH MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION. THE LOCATIONS OF EXISTING SERVICES (IF SHOWN) ARE INDICATIVE ONLY.



G14. THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT ANY AND ALL SERVICES THAT MAY BE AFFECTED BY THESE WORKS.

G15. IF APPLICABLE, POST INSTALLED CONCRETE ANCHORS SHALL BE INSTALLED BY PERCUSSION DRILLING ONLY. CORE DRILLING INTO EXISTING STRUCTURES IS NOT PERMITTED WITHOUT APPROVAL BY THE ENGINEER.

G16. RE-USE OF MECHANICAL SCREW-BOLT TYPE CONCRETE ANCHORS IS NOT PERMITTED. ALL INSTALLED ANCHORS SHALL BE NEW.

G17. TERMINOLOGY/ ABBREVIATIONS ARE AS FOLLOWS:

- (E) – DENOTES EXISTING ITEM/ MEMBER
- (N) – DENOTES NEW ITEM/ MEMBER
- U.N.O – UNLESS NOTED OTHERWISE
- TBC – TO BE CONFIRMED
- ULS – ULTIMATE LIMIT STATE (REF. AS1170.0)
- SLS – SERVICEABILITY LIMIT STATE (REF. AS1170.0)
- SHALL – A REQUIREMENT THAT MUST BE COMPLIED WITH
- C.O.G. – CENTRE OF GRAVITY

ALUMINIUM NOTES:

- AL1.** ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH AS1664.
- AL2.** ALUMINIUM SECTIONS SHALL COMPLY WITH AS1734, AS1866 OR AS1867.
- AL3.** ALUMINIUM EXTRUSIONS TO BE GRADE 6060-T5, 6061-T6, 6063-T5 OR 6082-T5 U.N.O.
- AL4.** TREAD PLATE TO BE ALLOY 5251 H34 OR 6106 T6 U.N.O.
- AL5.** ALUMINIUM WELDING TO BE IN ACCORDANCE WITH AS1665-2004. WORKS TO BE PERFORMED BY QUALIFIED TRADESPERSONS
- AL6.** UNLESS NOTED OTHERWISE, ALL WELDS TO BE
 - 5mm FILLET WELD ALL AROUND/ DOUBLE SIDES
 - WELD CATEGORY B AS PER AS1665
 - FILLER ALLOY TO BE 4043 OR 5183 OR 5356 OR 5556

AL7. ALL BOLTS/NUTS CONNECTING ALUMINIUM TO BE GRADE A4-70 S/S WITH TOP HAT SHOULDER/INSULATING WASHER, UNO.

AL8. THERE SHALL BE NO DIRECT CONTACT BETWEEN DISSIMILAR METALS WITHOUT WRITTEN APPROVAL BY THE SUPERINTENDENT OR ENGINEER. SEPARATION SHALL BE PROVIDED BY AN APPROVED SYNTHETIC ISOLATION MATERIAL.

AL9. ANY IDENTIFIED BUTT WELDS ARE TO BE FULL PENETRATION/ FULL STRENGTH BUTT WELDS.

STRUCTURAL STEEL NOTES:

S1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 4100.

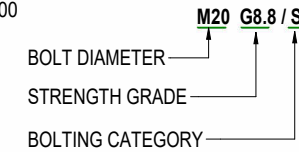
S2. STEEL TYPES SHALL BE TO THE FOLLOWING GRADES IN ACCORDANCE WITH THE RELEVANT STANDARD UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS:

STEEL TYPE	GRADE	TO COMPLY WITH
HOT ROLLED SECTIONS	GRADE 300	AS3679.1
WELDED SECTIONS (WB,WC)	GRADE 300	AS3679.2
MERCHANT BARS (ROUND, SQUARE, FLAT)	GRADE 300	AS3679.1
HOLLOW SECTIONS (SHS, RHS, CHS)	GRADE 350	AS1163
PLATES	GRADE 350	AS3678

UNIDENTIFIED STEEL HAS NOT BEEN CONSIDERED AND IS THEREFORE NOT PERMITTED.

S3. BOLTS SHALL BE AS FOLLOWS U.N.O:

- ALL HIGH STRENGTH STRUCTURAL BOLTS ARE TO BE GRADE 8.8 AND COMPLY WITH AS1252
- ALL COMMERCIAL BOLTS ARE TO BE GRADE 4.6 AND COMPLY WITH AS1111
- ALL BOLTS IN PRIMARY STRUCTURAL CONNECTIONS SHALL BE GRADE 8.8 U.N.O.
- ALL HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AS4100



- 4.6/S INDICATES COMMERCIAL BOLTS SNUG TIGHT
- 8.8/S INDICATES HIGH STRENGTH STRUCTURAL BOLTS SNUG TIGHT
- 8.8/TB INDICATES HIGH STRENGTH STRUCTURAL BOLTS TENSIONED TO BEARING MODE (SURFACE MAY BE PAINTED)
- 8.8/TF INDICATES HIGH STRENGTH STRUCTURAL BOLTS TENSIONED TO FRICTION MODE (SURFACES MUST BE UNPAINTED)
- 8.8TB & 8.8TF BOLTS SHALL BE TIGHTENED TO THE CORRECT TENSION USING THE FOLLOWING:
 - M16-M20 BOLTS PER THE 'PART TURN' METHOD (SECTION 15 AS4100)
 - M24-M36 BOLTS WITH DIRECT TENSION INDICATOR WASHERS
- INSTALLED BOLTS SHALL HAVE MINIMUM OF TWO THREADS PROJECTING BEYOND THE OUTER NUT SURFACE
- HOT DIPPED GALVANISED NUTS SHALL BE THREADED OVERSIZED AFTER GALVANISING
- THREADS MAY BE INCLUDED IN THE SHEAR PLANES
- ALL BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALVANISED

UNLESS NOTED OTHERWISE, ALL BOLTS SHALL BE M20 GRADE 8.8/S

S4. MIN. BOLT HOLES DISTANCES SHALL BE:

SIZE	BETWEEN CENTRES OF HOLES (2.5xØ)	EDGE DISTANCE (1.5xØ)
M12	30	18
M16	40	24
M20	50	30
M24	60	36
M28	70	42
M30	75	45
M32	80	48
M36	90	54



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NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

C 07/02/24 70% DETAILED DESIGN BH		<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425</p> <p>Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p> <p>Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>	<p>CLIENT:</p>	PROJECT: FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650		APPROVED BY:	SHEET CONTENTS: PROJECT NOTES SHEET 1 OF 3	SHEET SIZE: A3
B 15/12/23 25% DETAILED DESIGN BH				PROJECT REFERENCE No.: FS3192F		RPEQ:		
A 22/11/23 ISSUED FOR APPROVAL BH				DATE:		CPeNg NER		
ISSUE DATE DESCRIPTION BY				DATE:		DATE:		
AMENDMENTS				PROJECT REFERENCE No.: FS3192F		DATE:	ISSUE TYPE: APPROVAL	C

STRUCTURAL STEEL NOTES (CONT.):

S5. BOLT HOLE CLEARANCES FOR STRUCTURAL CONNECTIONS (EXCLUDING BASE PLATES) SHALL BE 2mm UNO FOR BOLT SIZES M24 OR LESS AND NO MORE THAN 3mm FOR BOLT SIZES GREATER THAN M24. FOR ANY NON-STANDARD METRIC THREADS, HOLE CLEARANCES TO BE VERIFIED WITH SUPPLIER OF THREADED COMPONENT PRIOR TO STEEL FABRICATION.

S6. WELDING SHALL COMPLY WITH AS/NZS 1554.1, AS1554.2, AS1554.3 OR AS/NZS1554.5, AS APPROPRIATE.

S7. UNLESS NOTED OTHERWISE:

- ALL WELDS 6mm CONTINUOUS FILLET WELDS DOUBLE SIDES/ALL AROUND
- WELD CATEGORY STRUCTURAL PURPOSE (SP)
- WELD METAL TENSILE STRENGTH: MIN. 490MPa
- WELD METAL MATERIAL TO BE QUALIFIED AND APPROVED FOR THE ADOPTED WELD CATEGORY TO ENSURE THE MINIMUM TENSILE STRENGTH IS ACHIEVED

S8. ALL WELDS SHALL BE INSPECTED IN ACCORDANCE WITH THE PROVISIONS OF AS/NZS1554.1. EXTENT OF NON-DESTRUCTIVE EXAMINATION (NDE) AS PER TABLE BELOW:

STRUCTURAL PURPOSE (SP) WELDS		
VISUAL MEANS	VISUAL SCANNING	100%
	VISUAL EXAMINATION IN ACCORDANCE WITH TABLE 6.2.2	FILLET WELDS 50% BUTT WELDS 50%
OTHER MEANS**	MAGNETIC PARTICLE OR LIQUID PENETRANT	FILLET WELDS 10% BUTT WELDS 10%
	RADIOGRAPHY OR ULTRASONICS	FILLET WELDS 10% BUTT WELDS 10%

** CRITICAL WELDS MARKED AS "##CW" MUST FORM PART OF THE NDE ASSESSMENT

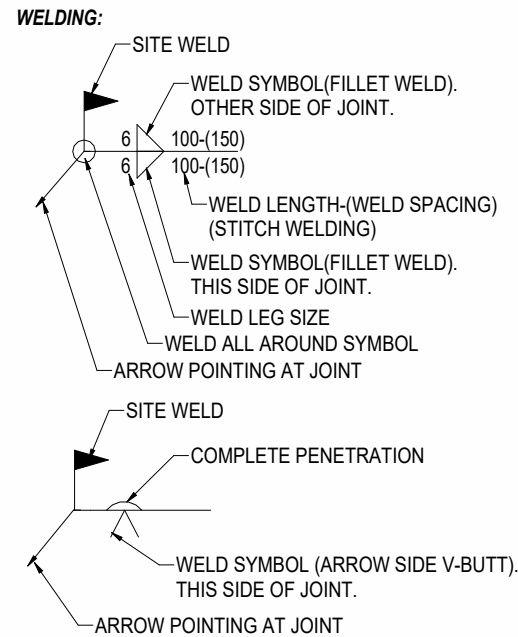
S9. ALL STRUCTURAL STEEL DETAILS, GAUGE LINE, ETC. (WHERE NOT SPECIFICALLY SHOWN) ARE TO BE IN ACCORDANCE WITH A.S.I PUBLICATIONS "DESIGN CAPACITY TABLES FOR STRUCTURAL STEEL" AND "STANDARDISED STRUCTURAL CONNECTIONS".

S10. THERE SHALL BE NO DIRECT CONTACT BETWEEN DISSIMILAR METALS WITHOUT WRITTEN APPROVAL BY THE SUPERINTENDENT OR ENGINEER.

- SEPARATION SHALL BE PROVIDED BY AN APPROVED SYNTHETIC INSULATION MATERIAL
- INSTALLATION SHALL INCLUDE BOTH WASHERS AND SLEEVES (SHOULDER WASHERS OR SIMILAR APPROVED)
- HOLE SIZES MAY REQUIRE OVERSIZING TO ACCOMMODATE THIS REQUIREMENT
- THE CONTRACTOR SHALL VERIFY IN WRITING HOLE SIZE REQUIREMENTS PRIOR TO FABRICATION AND SHALL NOT PROCEED WITH ANY FABRICATION WITHOUT WRITTEN APPROVAL FROM THE SUPERINTENDENT

S11. HOLLOW SECTION END PLATES:
ALL EXPOSED ENDS OF HOLLOW SECTIONS SHALL BE FABRICATED WITH NOMINAL 5mm END PLATES WITH A CONTINUOUS FILLET WELD TO THEIR FULL PERIMETER IN ACCORDANCE WITH THE WELDING NOTES.

STANDARD NOTATION/LEGEND:



STRUCTURAL STEEL COATING NOTES:

CO1. UNLESS NOTED OTHERWISE, OPTIONS FOR COATING OF TEMPORARY WORKS SYSTEM ARE IN ACCORDANCE WITH NOTE C02 BELOW. IT IS NOTED THAT THE FINAL COATING CHOICE IS AT THE DISCRETION OF THE CONTRACTOR BASED UPON THE FOLLOWING:

- STRUCTURE SERVICE LIFE IS NOT IMPACTED / AFFECTED BY THE COATING CHOICE
- THE CONTRACTOR REMAINS RESPONSIBLE FOR ANY UNINTENDED CONSEQUENCES OF THE COATING CHOICE. i.e., WHERE "NO COATING" IS PROVIDED AS AN OPTION, THE CONSEQUENCES OF SURFACE CORROSION / STAINING ON OTHER STRUCTURES AND FINISHES INCLUDING BOTH TEMPORARY AND PERMANENT SURFACES MUST BE TAKEN INTO CONSIDERATION

CO2. STEEL WORK PROTECTIVE COATING OPTIONS (UNLESS NOTED OTHERWISE):

1. NO COATING
2. PAINT COATING: ALL STEEL WORKS SHALL BE FULLY COATED WITH MIN. TWO (2) LAYERS OF INTERZONE 954 OR APPROVED EQUIVALENT APPLIED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AFTER FABRICATION AND BEFORE DISPATCH TO SITE.

PILING NOTES:

P1. SUPPLY AND INSTALLATION OF PILES SHALL COMPLY WITH AS2159 "PILING DESIGN AND INSTALLATION" OR AN APPROVED EQUIVALENT INTERNATIONAL STANDARD.

P2. ALL STEEL PILES SHALL HAVE A MINIMUM YIELD STRESS OF 350MPa U.N.O.

P3. ALL PILES MUST BE DRIVEN TO ACHIEVE THE DESIGN GEOTECHNICAL COMPRESSION AND TENSION STRENGTHS OF NOT LESS THAN THE VALUES STIPULATED ON THE DRAWINGS.

P5. IN THE INSTANCE OF ASSESSING PILE TENSION CAPACITIES USING A DYNAMIC TESTING METHOD SUCH AS CAPWAP AN ADDITIONAL REDUCTION FACTOR OF 0.8 SHALL BE APPLIED IN ADDITION TO THE GEOTECHNICAL STRENGTH REDUCTION FACTOR FOR DETERMINATION OF THE DESIGN GEOTECHNICAL TENSION CAPACITY.

P6. ESTIMATED EMBEDMENT DEPTHS ARE TO BE TAKEN AS APPROXIMATE ONLY.

P7. MINIMUM PILE ESTIMATED LENGTH IS 30m AND ASSUMED TO BE EMBEDDED MIN. 12m INTO THE RIVERBED, INCLUDING 5m INTO THE SILT STONE LAYER LOCATED AT ~ -10.0m AHD). THIS INFORMATION NEEDS TO BE CONFIRMED BY THE CONTRACTOR ONCE A GEOTECHNICAL INVESTIGATION REPORT IS AVAILABLE.

P8. PILE SHALL BE DRIVEN INTO THE ROCK LEVEL SUCH THAT CONSISTENT END BEARING TO THE FULL PERIMETER OF THE PILE IS ACHIEVED.

P9. THE CLIENT AND CLIENT'S PILING CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING SUITABLE PLANT, DRIVING EQUIPMENT AND PILING ACCESSORIES (SUCH AS PILING SHOES ETC) ARE CHOSEN TO ACHIEVE THE DESIGN CAPACITY REQUIREMENTS. THE ASSESSMENT SHALL BE DONE VIA A DRIVEABILITY ANALYSIS SUCH AS GRLWEAP OR SIMILAR ASSESSMENT, INCLUDING MODELLING OF THE GEOTECHNICAL STRATA, PILE SPECIFICATIONS AND DRIVING EQUIPMENT TO BE USED. THE PILING CONTRACTOR IS DEEMED TO HAVE ACCEPTED THE SOIL CONDITIONS AS DEFINED IN THE PROJECT WITH RESPECT TO DRIVEABILITY UNLESS OTHERWISE ADVISED DURING THE TENDER PROCESS.

P10. THE PILE SHALL BE DESIGNED AND CERTIFIED FOR A MINIMUM LIFE OF 50 YEARS. THE PILING CONTRACTOR IS TO DETERMINE IF SURFACE TREATMENTS SUCH AS HOT DIP GALVANISING OF THE SCREW PILES IS NECESSARY TO ACHIEVE THE REQUIRED DESIGN LIFE. CHEMICAL TESTING OF THE SOIL BY A GEOTECHNICAL ENGINEER (SUCH AS PH, CHLORIDES, RESISTIVITY etc.) MAY BE REQUIRED TO DETERMINE THE NEED FOR SURFACE TREATMENT TO THE PILES TO LIMIT CORROSION. THE TESTING, IF REQUIRED IS TO BE ALLOWED FOR AS PART OF THE PILING CONTRACTOR.

HEALTH AND SAFETY NOTES:

HS1. THE CONTRACTOR SHALL DEVELOP, IMPLEMENT AND ADMINISTER A WORKPLACE HEALTH AND SAFETY PROGRAM THAT WILL ENSURE THAT ALL CONSTRUCTION ACTIVITIES ARE PERFORMED TO THE RELEVANT WORKPLACE AND SAFETY REQUIREMENTS AND ANY OTHER RELEVANT STATUTORY REQUIREMENTS.

HS2. THE WORKPLACE HEALTH AND SAFETY PROGRAM MUST BE CO-ORDINATED WITH ADJOINING PROPERTY OWNERS AND ALL RELEVANT PARTIES AS NECESSARY TO ENSURE A SAFE BUILDING ENVIRONMENT AT ALL TIMES.

CONCRETE NOTES:

C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600. ANY MATTER IN DOUBT SHALL BE REFERRED TO THE SUPERINTENDENT.

C2. CONCRETE COMPONENTS AND QUALITY SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS:

ELEMENT	GRADE	SLUMP	MAX. NOMINAL AGGREGATE	SPECIAL REQUIREMENT
PONTOON	N50	80		

C3. MINIMUM COVER (mm) TO ALL REINFORCEMENT SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS.

ELEMENT	FORMED & NOT EXPOSED TO WEATHERFORMED & NOT EXPOSED TO WEATHER	FORMED & EXPOSED TO GROUND WATER OR WEATHER (*) INCLUDING FINISHED SURFACES BACK FILLED AFTER PLACEMENT	NOT FORMED, CAST AGAINST GROUND, ETC.
PONTOON	N/A	25	N/A
GFRP BARS	N/A	25	N/A
STAINLESS STEEL BARS	N/A	30	N/A

C4. UNO ALL DOWEL BARS SHALL BE HOT DIP GALVANISED AFTER FABRICATION IN ACCORDANCE WITH AS/NZS4680.

C5. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.

C6. FORMWORK SHALL BE DESIGNED, CONSTRUCTED AND STRIPPED IN ACCORDANCE WITH AS3610.

C7. FORMWORK DESIGN TO PROVIDE A CLASS 2 FINISH ON ALL EXPOSED SURFACES UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS. BALANCE OF SURFACES TO BE CLASS 3 FINISH.

C8. CONCRETE CURING AS FOLLOWS:

- ALL CONCRETE SHALL BE PROPERLY CURED BY KEEPING ALL EXPOSED SURFACES IN A MOIST OR DAMP CONDITION FOR AT LEAST THE FIRST SEVEN DAYS AFTER PLACING THE CONCRETE.
- WHERE APPROVED IN WRITING BY THE SUPERINTENDENT/ENGINEER, EXPOSED SURFACES ARE TO BE COATED WITH PARCHEM CONCURE A99 OR APPROVED EQUIVALENT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- ALL FORMWORK FOR FORMED SURFACES ARE TO REMAIN IN PLACE FOR FIVE (5) DAYS AFTER CONCRETE PLACEMENT, UNLESS APPROVED IN WRITING BY THE SUPERINTENDENT/ENGINEER.
- WHERE FORMWORK IS STRIPPED WITHIN 5 DAYS AFTER CONCRETE PLACEMENT, COAT EXPOSED SURFACES WITH PARCHEM CONCURE A99 OR APPROVED EQUIVALENT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- ALL CURING SHALL BE COMPATIBLE WITH SURFACE FINISHES.

C9. TESTING AND SAMPLING OF CONCRETE SHALL BE AS SPECIFIED BY PROJECT CONTROL TESTING IN AS3600 AND AS1379.

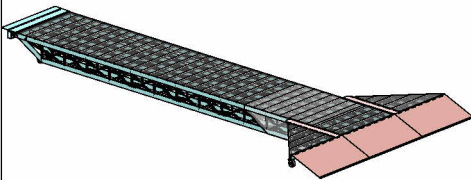
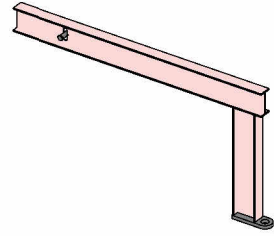

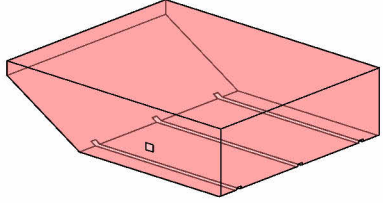
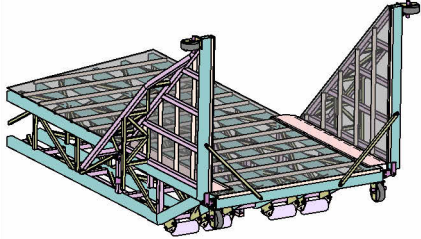
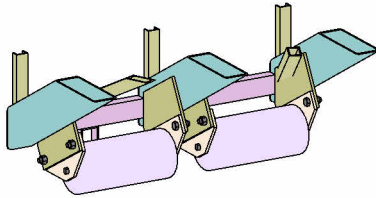
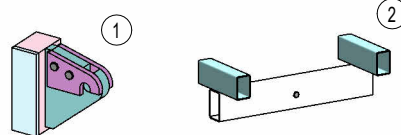
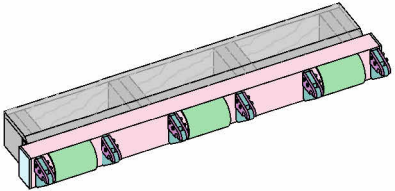


NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

B 07/02/24 70% DETAILED DESIGN BH		FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425 Unit 12, Tingalpa Central Tel. +617 3393 9447 1631 Wynnum Rd, TINGALPA email: admin@fsace.com.au PO Box 2282, TINGALPA QLD 4173 website: www.fsace.com.au	CLIENT: Fraser Coast REGIONAL COUNCIL	PROJECT: FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650	APPROVED BY: RPEQ: _____ CPEng NER DATE: _____	SHEET CONTENTS: PROJECT NOTES SHEET 2 OF 3 DRAWN: BH DATE: 17/11/23 Q.A. CHECK: PLB DATE: 07/02/24 SCALE: 1 : 1 DESIGNED: OL DWG No.: FS3192F - S003 ISSUE TYPE: APPROVAL	SHEET SIZE: A3 ISSUE: B
A 15/12/23 25% DETAILED DESIGN BH							
ISSUE	DATE	DESCRIPTION	BY	PROJECT REFERENCE No.: FS3192F			
AMENDMENTS							

MAINTENANCE REQUIREMENTS

DURABLE ITEMS - FULL DESIGN LIFE		MAINTAINABLE ITEMS - INSPECT AFTER EACH GANGWAY EXTRACTION. POTENTIAL REPLACEMENT AFTER EACH USE.		REPLACEABLE ITEMS - INSPECT AFTER EACH GANGWAY EXTRACTION. LIKELY REPLACEMENT AFTER EACH USE.	
	GANGWAY (INCLUDING TOW BAR SLEEVE)		TOW BAR INSERT		HEAVY DUTY NYLON SKIDS
	FLOTATION CHAMBER		FLARE BRACING		NYLON ROLLERS / BEARINGS
	STRUCTURAL CONNECTION POINTS: 1. HINGE PLATES 2. TOW BAR SLEEVE		ROLL OVER POINT ON JETTY		

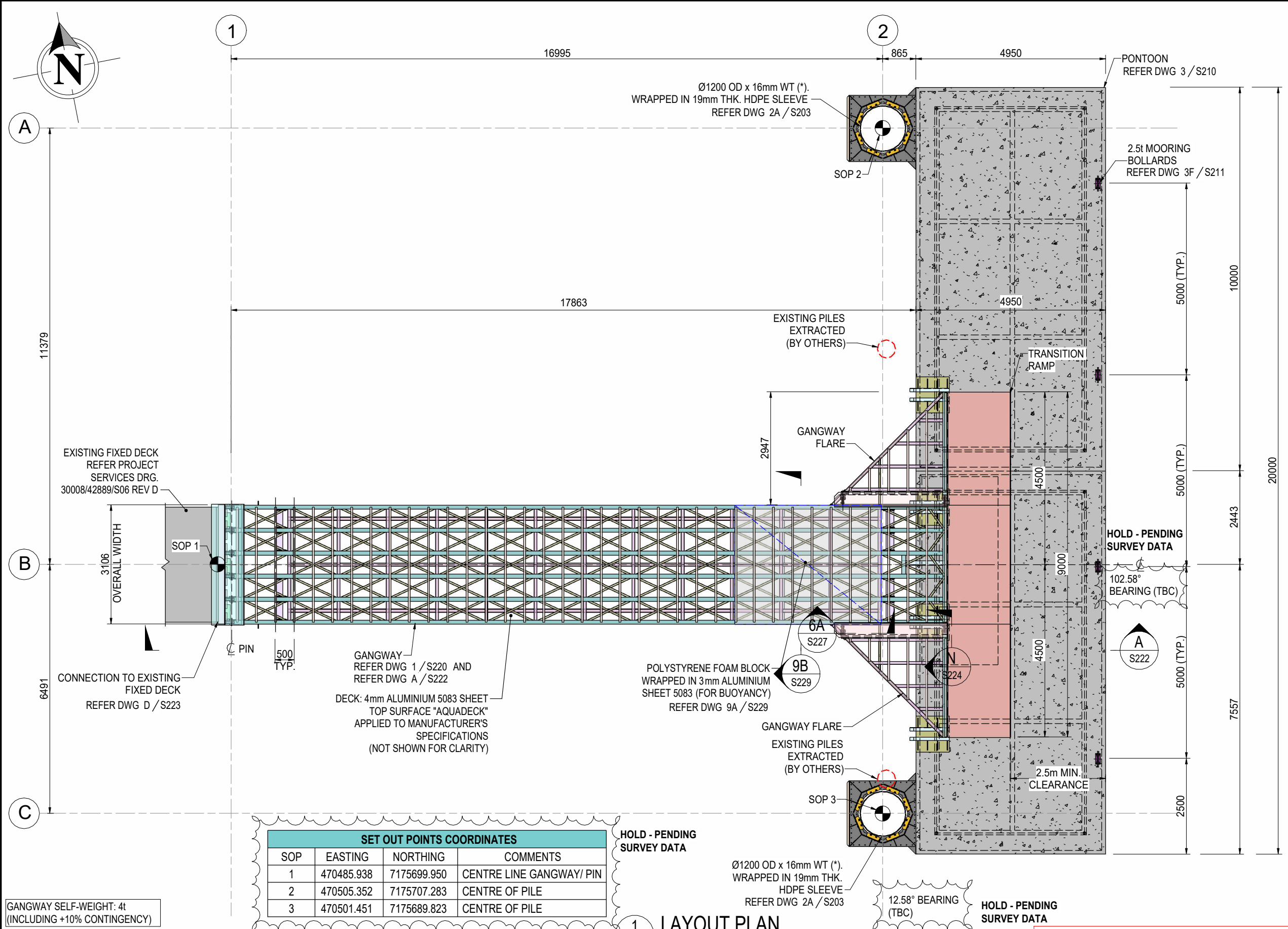
GPC Gladstone Ports Corporation
APPROVED
 Name: Trudi Smith
 Date: 10:42 am, 27/08/2024

NOTE: ALL ITEMS ASSUMED TO BE STORED IN GOOD CONDITION AND BE READILY AVAILABLE FOR USE WHEN NEEDED.

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

ISSUE		DATE		DESCRIPTION		BY		 FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425 Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173 Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au	CLIENT:  Fraser Coast REGIONAL COUNCIL	PROJECT: FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650 PROJECT REFERENCE No.: FS3192F	APPROVED BY: RPEQ: _____ CPEng NER DATE: _____	SHEET CONTENTS: PROJECT NOTES SHEET 3 OF 3				SHEET SIZE: A3 ISSUE: A
A	07/02/24	70% DETAILED DESIGN	BH	AMENDMENTS								DRAWN: BH DATE: 17/11/23 Q.A. CHECK: PLB DATE: 07/02/24 SCALE: 1 : 1 DWG No.: FS3192F - S004 ISSUE TYPE: APPROVAL				



SET OUT POINTS COORDINATES			
SOP	EASTING	NORTHING	COMMENTS
1	470485.938	7175699.950	CENTRE LINE GANGWAY/ PIN
2	470505.352	7175707.283	CENTRE OF PILE
3	470501.451	7175689.823	CENTRE OF PILE

HOLD - PENDING SURVEY DATA

1 LAYOUT PLAN
SCALE: 1 : 100

GANGWAY SELF-WEIGHT: 4t
(INCLUDING +10% CONTINGENCY)

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
C	07/02/24	70% DETAILED DESIGN	BH
B	15/12/23	25% DETAILED DESIGN	BH
A	22/11/23	ISSUED FOR APPROVAL	BH
AMENDMENTS			

FSA CONSULTING ENGINEERS P/L
temporary works | commercial | marine ABN 68802194425

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1631 Wynnum Rd, TINGALPA
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Tel. +617 3393 9447
email: admin@fsace.com.au
website: www.fsace.com.au

CLIENT:

Fraser Coast
REGIONAL COUNCIL

PROJECT:

**FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON**

WALKER ST, MARYBOROUGH, QLD, 4650

PROJECT REFERENCE No.: **FS3192F**

APPROVED BY:

RPEQ: _____
CPEng NER _____
DATE: _____

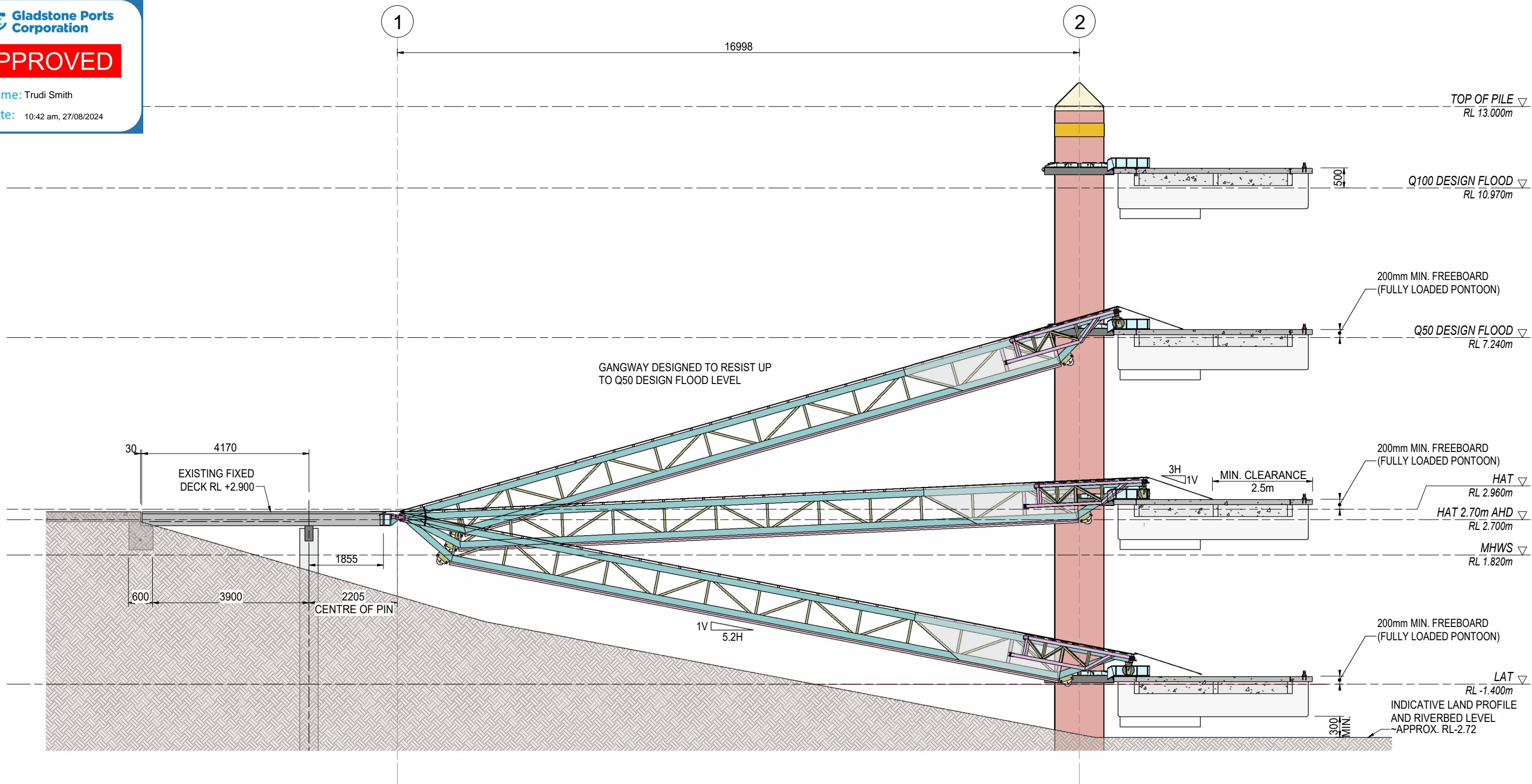
SHEET CONTENTS:

OVERALL GENERAL ARRANGEMENT

DRAWN: BH	DATE: 17/11/23	Q.A. CHECK: PLB	DATE: 07/02/24	SCALE: As indicated
DESIGNED: OL	DWG No.: FS3192F - S200	ISSUE TYPE: APPROVAL		

ISSUE: **C**

SHEET SIZE: **A3**



1 TYPICAL SECTION
S201 SCALE: 1 : 100

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
C	07/02/24	70% DETAILED DESIGN	BH
B	15/12/23	25% DETAILED DESIGN	BH
A	22/11/23	ISSUED FOR APPROVAL	BH
AMENDMENTS			



FSA CONSULTING ENGINEERS P/L
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email: admin@fsace.com.au
website: www.fsace.com.au

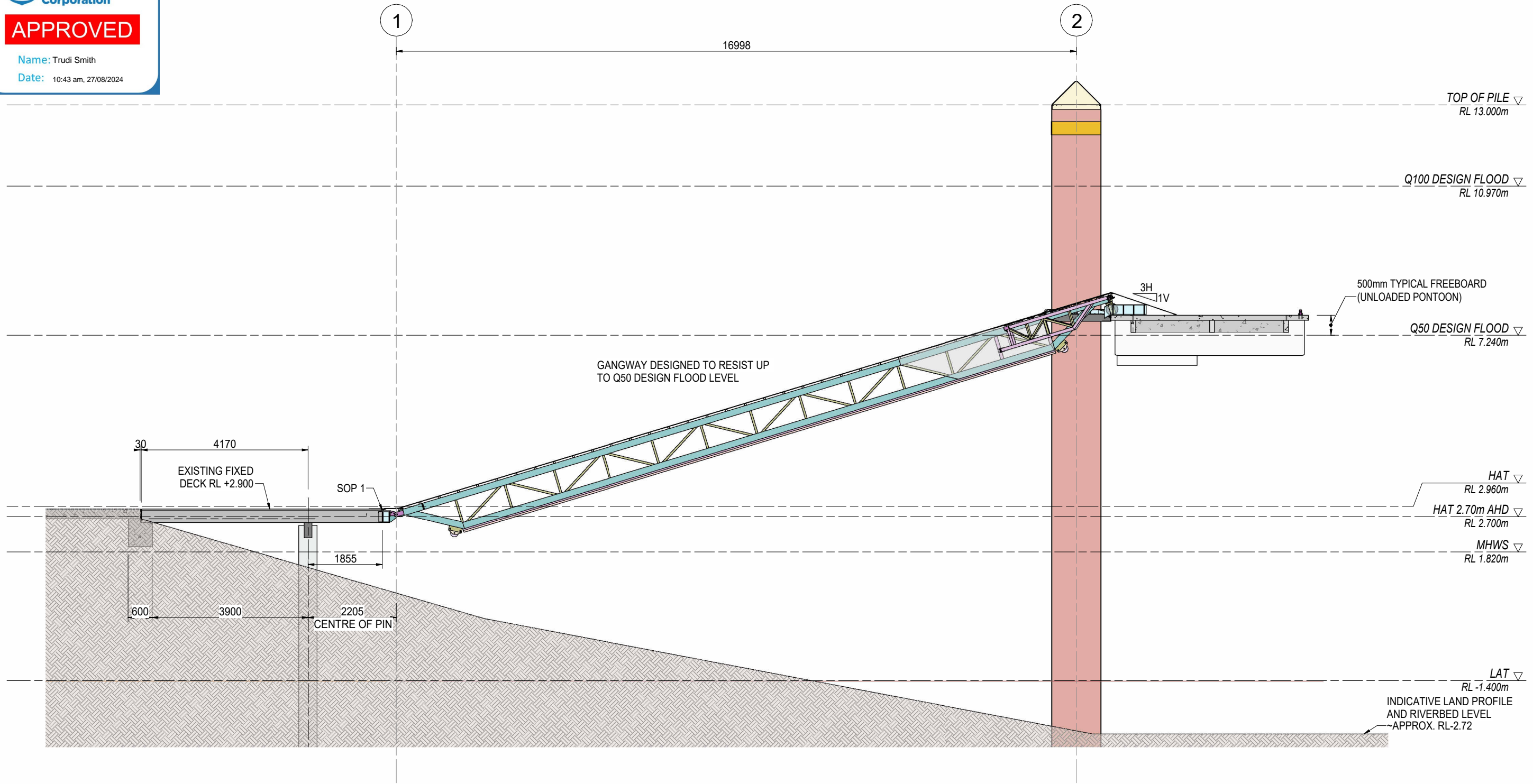
CLIENT:
Fraser Coast REGIONAL COUNCIL

PROJECT:
**FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON**
WALKER ST, MARYBOROUGH, QLD, 4650
PROJECT REFERENCE No.: FS3192F

APPROVED BY:
RPEQ: _____
CPEng NER
DATE: _____

SHEET CONTENTS:
TYPICAL SECTION SHEET 1 OF 2
DRAWN: BH DATE: 17/11/23 Q.A. CHECK: PLB DATE: 07/02/24 SCALE: 1 : 100
DESIGNED: OL DWG No.: FS3192F - S201 ISSUE TYPE: APPROVAL

SHEET SIZE:
A3
ISSUE:
C



1 TYPICAL SECTION
S202 SCALE: 1 : 100

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
C	07/02/24	70% DETAILED DESIGN	BH
B	15/12/23	25% DETAILED DESIGN	BH
A	22/11/23	ISSUED FOR APPROVAL	BH
AMENDMENTS			



FSA CONSULTING ENGINEERS P/L
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PO Box 2282, TINGALPA QLD 4173
Tel. +617 3393 9447
email: admin@fsace.com.au
website: www.fsace.com.au

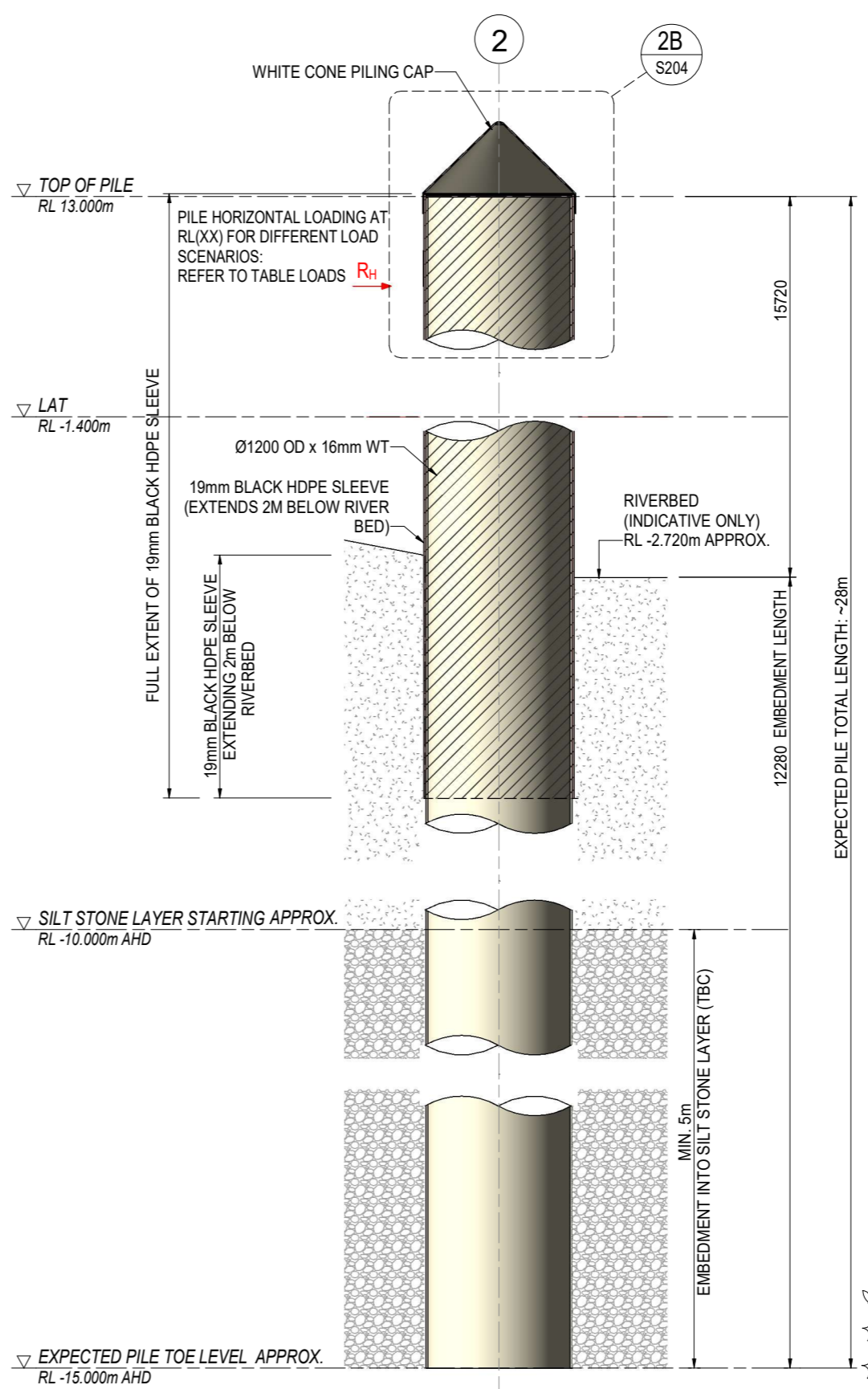
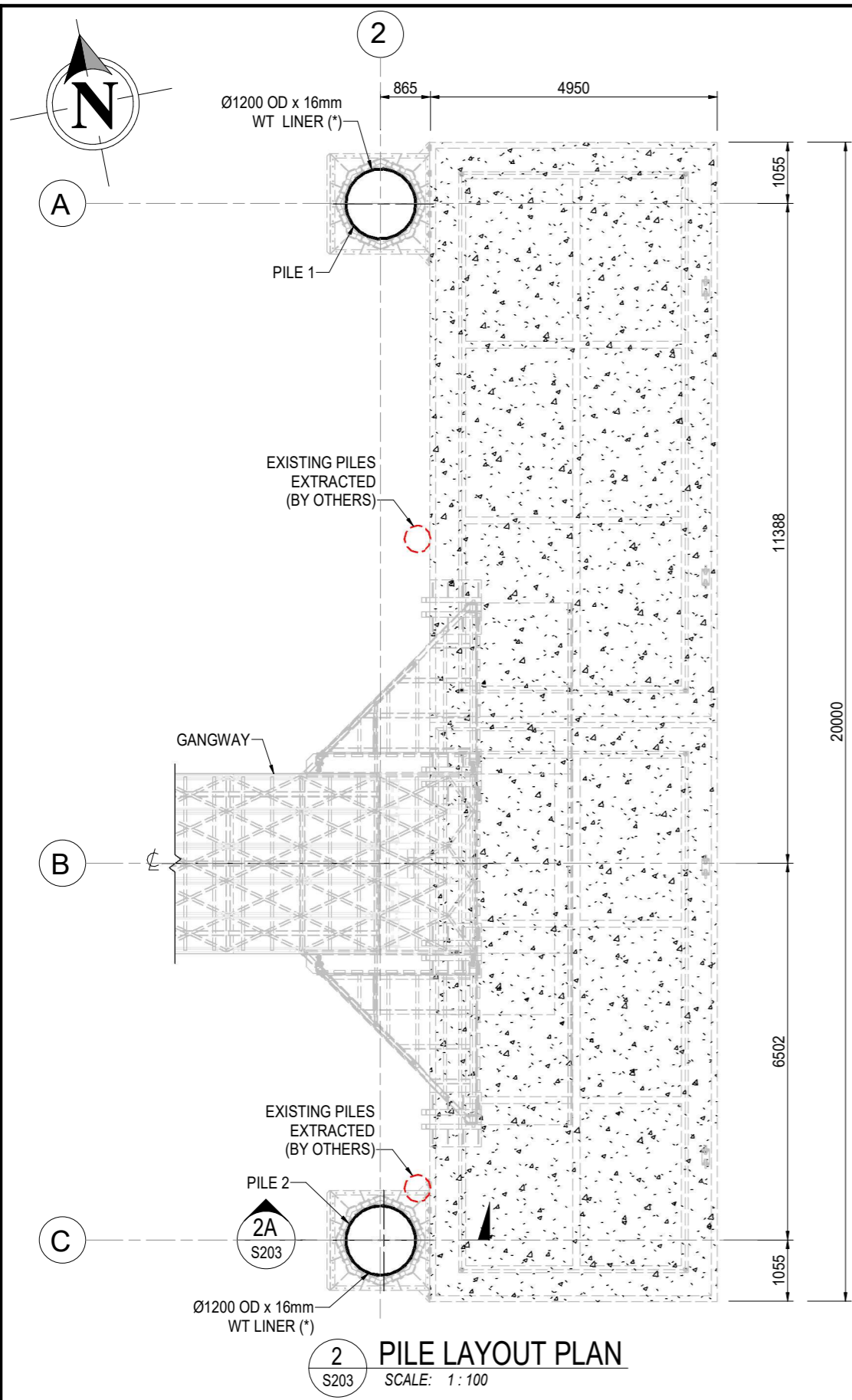


CLIENT:
PROJECT:
FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON
WALKER ST, MARYBOROUGH, QLD, 4650
PROJECT REFERENCE No.: FS3192F

APPROVED BY:
RPEQ:
CPEng NER
DATE:

SHEET CONTENTS:					
TYPICAL SECTION SHEET 2 OF 2					
DRAWN:	DATE:	Q.A. CHECK:	PLB	DATE:	SCALE:
BH	17/11/23	PLB		07/02/24	1 : 100
DESIGNED:	DWG No.:	ISSUE TYPE:			
OL	FS3192F - S202	APPROVAL			

SHEET SIZE:
A3
ISSUE:
C



(*) NOTE:

- MINIMUM PILE ESTIMATED LENGTH IS 28m
- MIN. 12m EMBEDMENT INTO THE RIVERBED (INCLUDING 5m INTO THE SILT STONE LAYER LOCATED AT ~ -10.0m AHD).
- THIS INFORMATION AS WELL AS THE PILE PROPOSED THICKNESS NEEDS TO BE CONFIRMED BY THE CONTRACTOR ONCE A GEOTECHNICAL INVESTIGATION REPORT IS AVAILABLE.

PILE HORIZONTAL LOADING:

Q100 FLOOD SCENARIO (NO GANGWAY):
ULS HORIZONTAL FORCE AT RL+11.25: 217kN

Q50 FLOOD SCENARIO (INCL. GANGWAY):
ULS HORIZONTAL FORCE (R_H) AT RL+7.50: 310kN

OPERATIONAL SCENARIO:
ULS HORIZONTAL FORCE AT RL+3.05: 162kN
SLS HORIZONTAL FORCE AT RL+3.05: 93kN

PILE VERTICAL LOADING:

- PILES ONLY SUBJECTED TO OWN WEIGHT / NO ADDITIONAL VERTICAL LOADING.

PILE FORCES FROM PRELIMINARY DESIGN ASSESSMENT:

ULS AXIAL FORCE: $N^* = 165kN$
ULS BENDING MOMENT: $M^* = 4090kNm$
ULS SHEAR FORCE: $V^* = 770kN$

NOTE:

- PILES PRELIMINARY ASSESSMENT WAS CARRIED OUT FOR LOADING PARAMETERS GIVEN IN DRG S002.
- THE ABOVE MAXIMUM PILE FORCES OCCUR BETWEEN 5m AND 8m FROM THE PILE TOE, BASED ON SOIL SPRING ANALYSIS CONSIDERING 12m TOTAL EMBEDMENT WHERE THE BOTTOM 5m ARE WITHIN THE SILT STONE LAYER ($N_{SPT} > 60$)

HOLD - PENDING SURVEY DATA

PILE COORDINATES			
PILE	EASTING	NORTHING	COMMENTS
1	470505.352	7175707.283	
2	470501.451	7175689.823	

NOT FOR CONSTRUCTION | PRINT IN COLOUR

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

ISSUE	DATE	DESCRIPTION	BY
C	07/02/24	70% DETAILED DESIGN	BH
B	15/12/23	25% DETAILED DESIGN	BH
A	22/11/23	ISSUED FOR APPROVAL	BH
AMENDMENTS			

FSA CONSULTING ENGINEERS P/L
temporary works | commercial | marine
ABN 68802194425

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1631 Wynnum Rd, TINGALPA
PO Box 2282, TINGALPA QLD 4173

Tel. +617 3393 9447
email: admin@fsace.com.au
website: www.fsace.com.au

CLIENT:

Fraser Coast REGIONAL COUNCIL

PROJECT:
FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON
WALKER ST, MARYBOROUGH, QLD, 4650

PROJECT REFERENCE No.: FS3192F

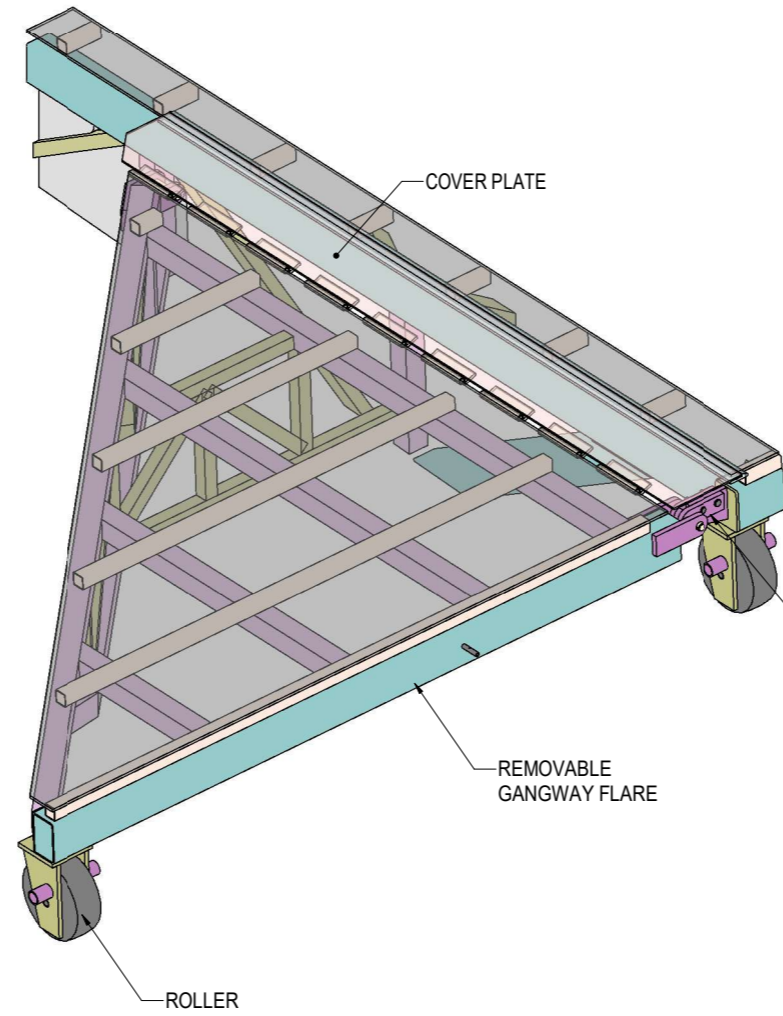
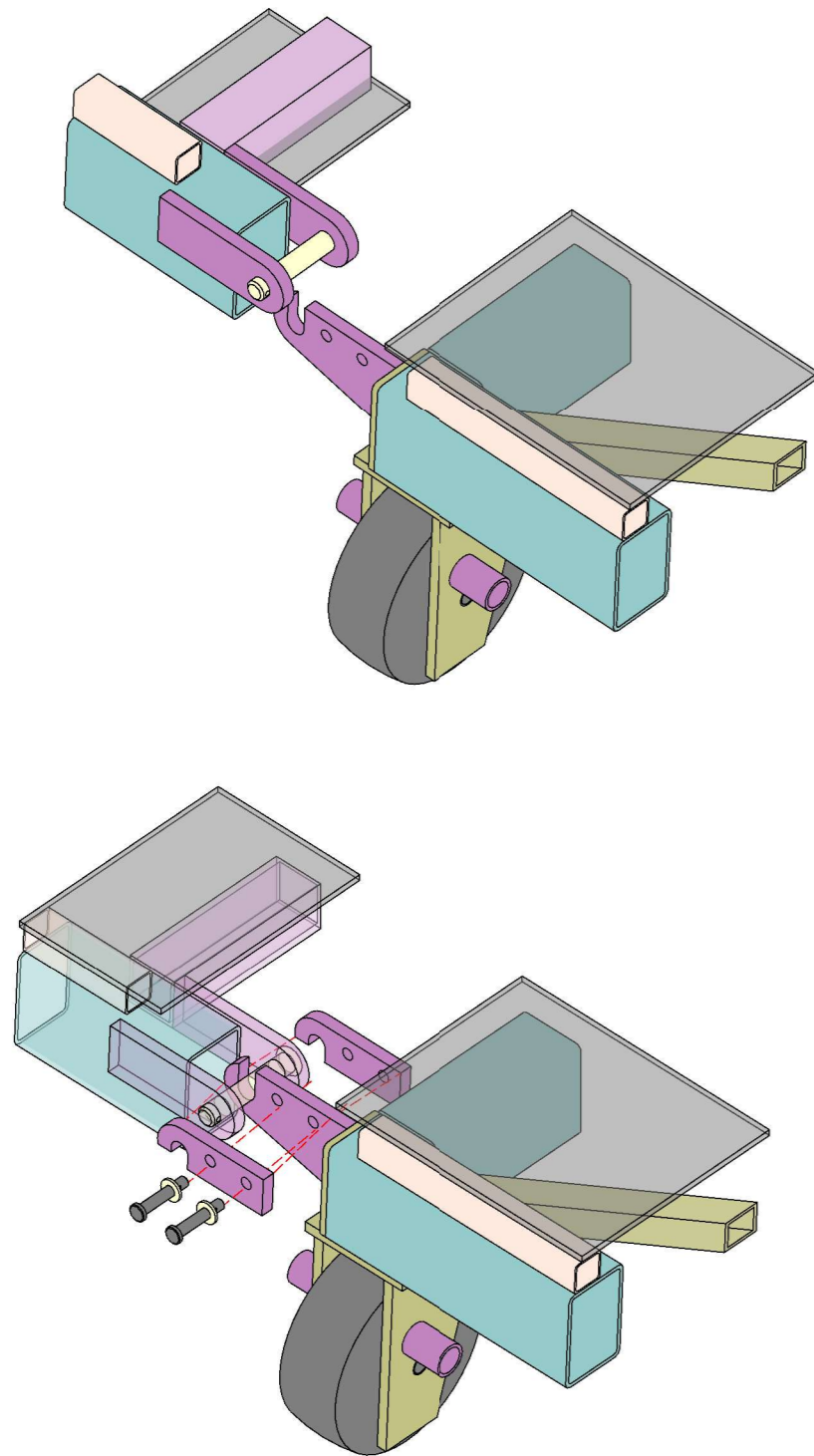
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DATE: _____

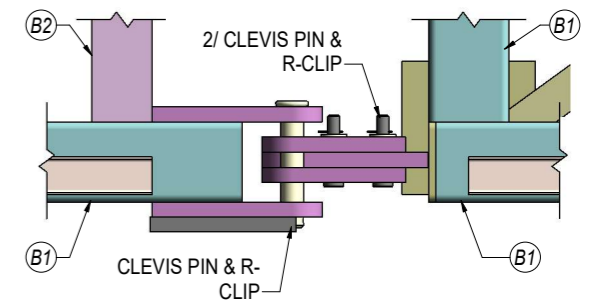
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PILE LAYOUT AND TYPICAL SECTION

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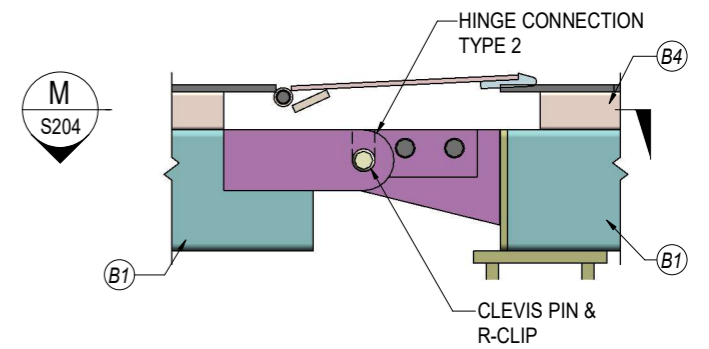
MEMBER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
B1	ALUMINIUM BEAM: 160x106x6RAD RHS	6082-T5
B2	ALUMINIUM BEAM: 80x80x6 SHS	6082-T5
B3	ALUMINIUM BEAM: 50x50x5 SHS	6060-T5
B4	ALUMINIUM BEAM: 50x50x3 SHS	6063-T5
B5	BEAM: 250PFC	TBC
B6	2/300x90 PFC	TBC



E FLARE HINGED CONNECTION
SCALE: 1:10



M PLAN
SCALE: 1:10



N ELEVATION
SCALE: 1:10

GPC Gladstone Ports Corporation

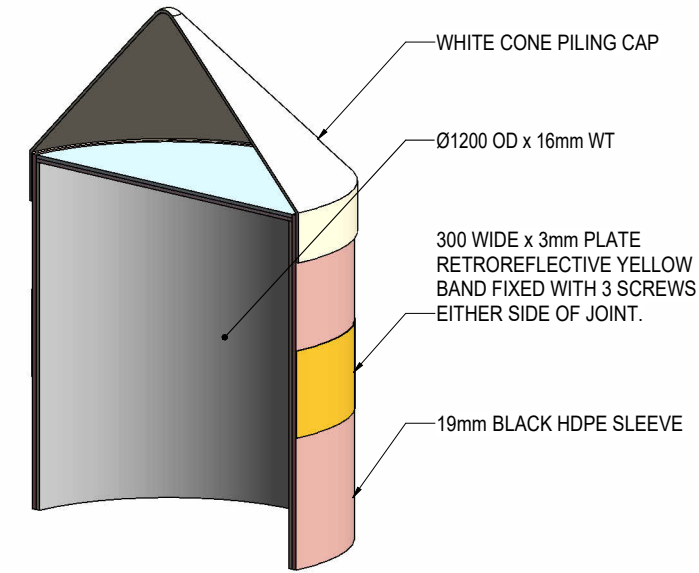
APPROVED

Name: Trudi Smith
Date: 10:43 am, 27/08/2024

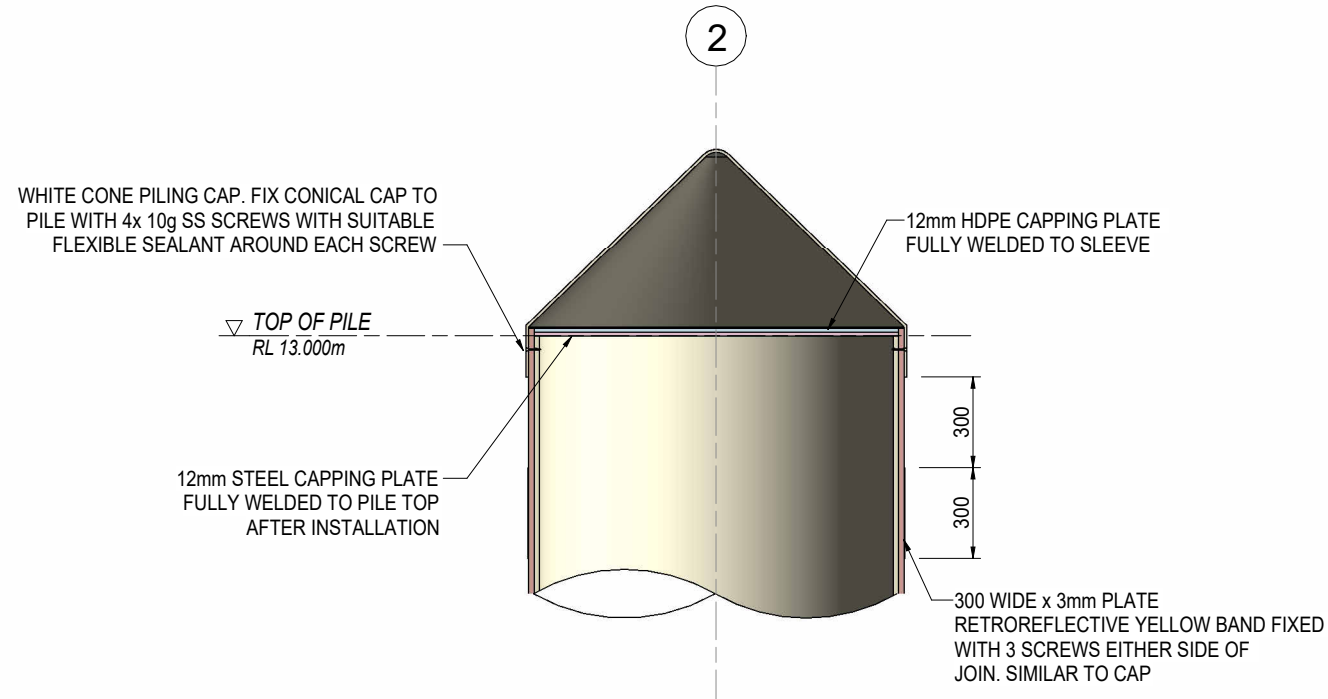
NOTE: 1. REFER SHEETS S001 AND S002 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425</p> <p>Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p> <p>Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>				<p>CLIENT:</p> <p>Fraser Coast REGIONAL COUNCIL</p>		<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>		<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER _____ DATE: _____</p>		<p>SHEET CONTENTS:</p> <p>GANGWAY PINNED HINGE DETAILS SHEET 2 OF 2</p> <p>DRAWN: BH DATE: 17/11/23 Q.A. CHECK: PLB DATE: 15/12/23 SCALE: 1:10 DESIGNED: OL DWG No.: FS3192F - S204 ISSUE TYPE: APPROVAL</p>			<p>SHEET SIZE: A3</p> <p>ISSUE: A</p>
ISSUE	DATE	DESCRIPTION	BY										
A	15/12/23	25% DETAILED DESIGN	BH										
AMENDMENTS													



2C ISOMETRIC VIEW
 S204 SCALE: NOT TO SCALE

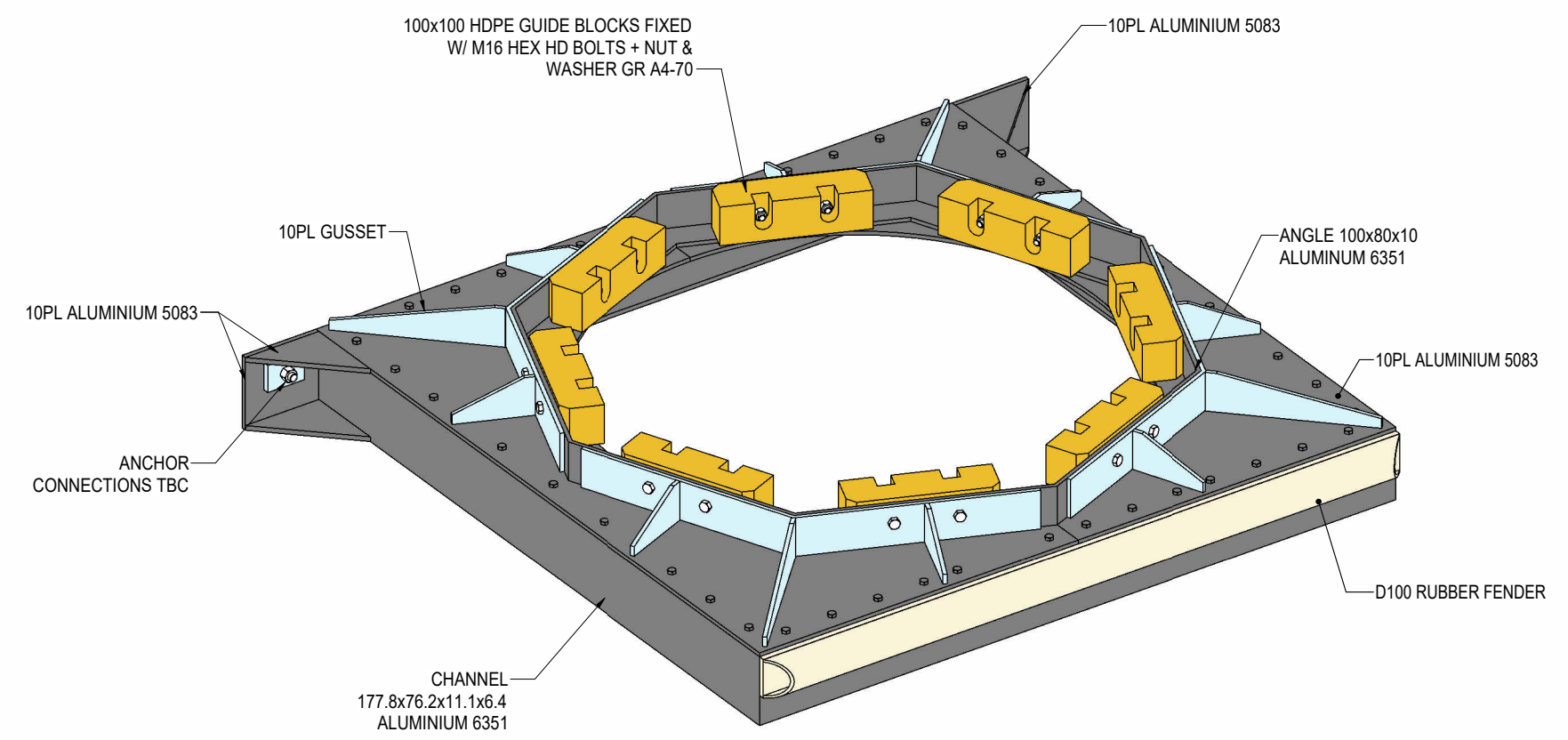


2B DETAIL
 S203 SCALE: 1 : 25

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425 Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173 Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>				<p>CLIENT:</p> <p>Fraser Coast REGIONAL COUNCIL</p>		<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>		<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER DATE: _____</p>		<p>SHEET CONTENTS:</p> <p style="text-align: center;">PILE DETAILS</p>				<p>SHEET SIZE: A3</p>												
ISSUE	DATE	DESCRIPTION	BY	<table border="1"> <tr> <td>DRAWN:</td> <td>DATE:</td> <td>Q.A. CHECK:</td> <td>DATE:</td> <td>SCALE:</td> </tr> <tr> <td>BH</td> <td>17/11/23</td> <td>PLB</td> <td>07/02/24</td> <td>1 : 25</td> </tr> <tr> <td>DESIGNED:</td> <td>DWG No.:</td> <td>ISSUE TYPE:</td> <td colspan="2"></td> </tr> <tr> <td>OL</td> <td>FS3192F - S204</td> <td>APPROVAL</td> <td colspan="2"></td> </tr> </table>	DRAWN:	DATE:	Q.A. CHECK:	DATE:	SCALE:	BH	17/11/23	PLB	07/02/24	1 : 25	DESIGNED:	DWG No.:	ISSUE TYPE:			OL	FS3192F - S204	APPROVAL			<p>ISSUE: B</p>	
DRAWN:	DATE:	Q.A. CHECK:	DATE:	SCALE:																						
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DESIGNED:	DWG No.:	ISSUE TYPE:																								
OL	FS3192F - S204	APPROVAL																								



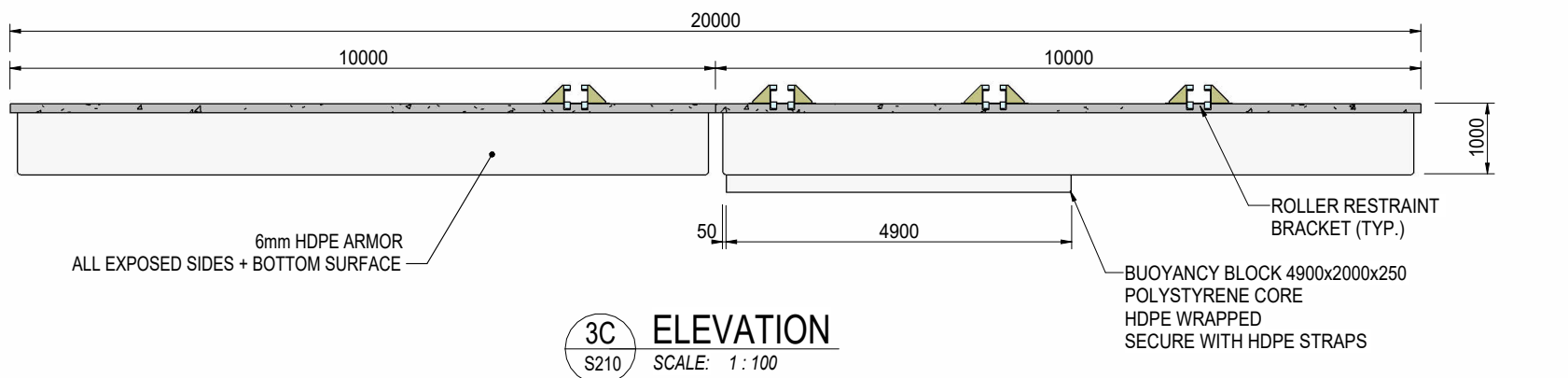
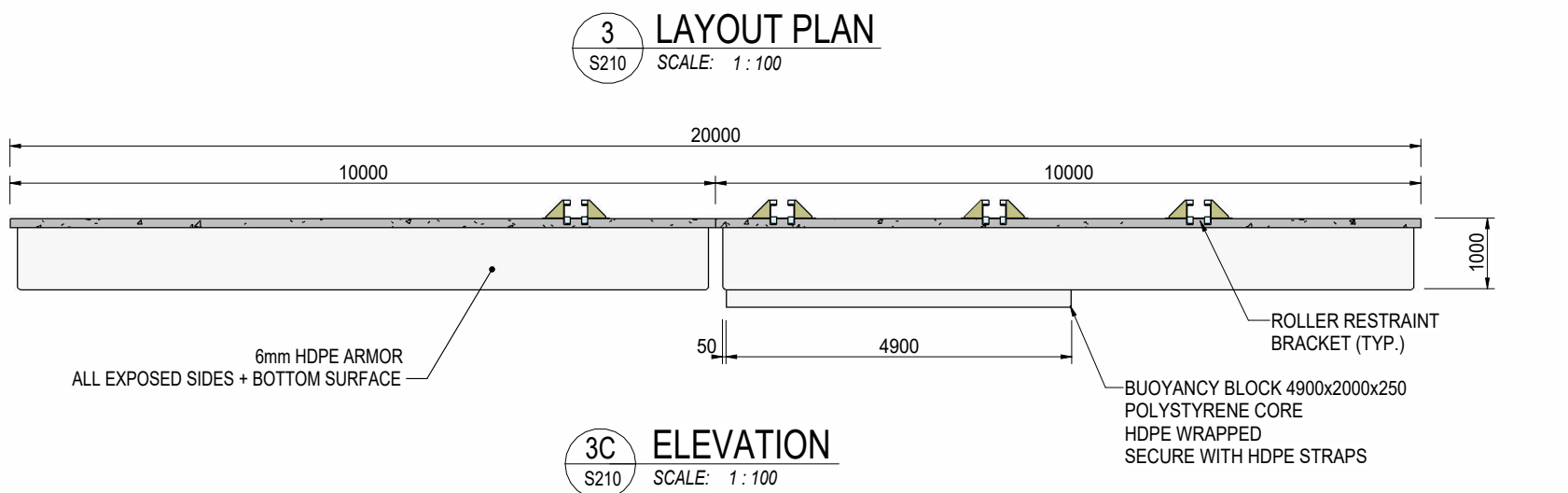
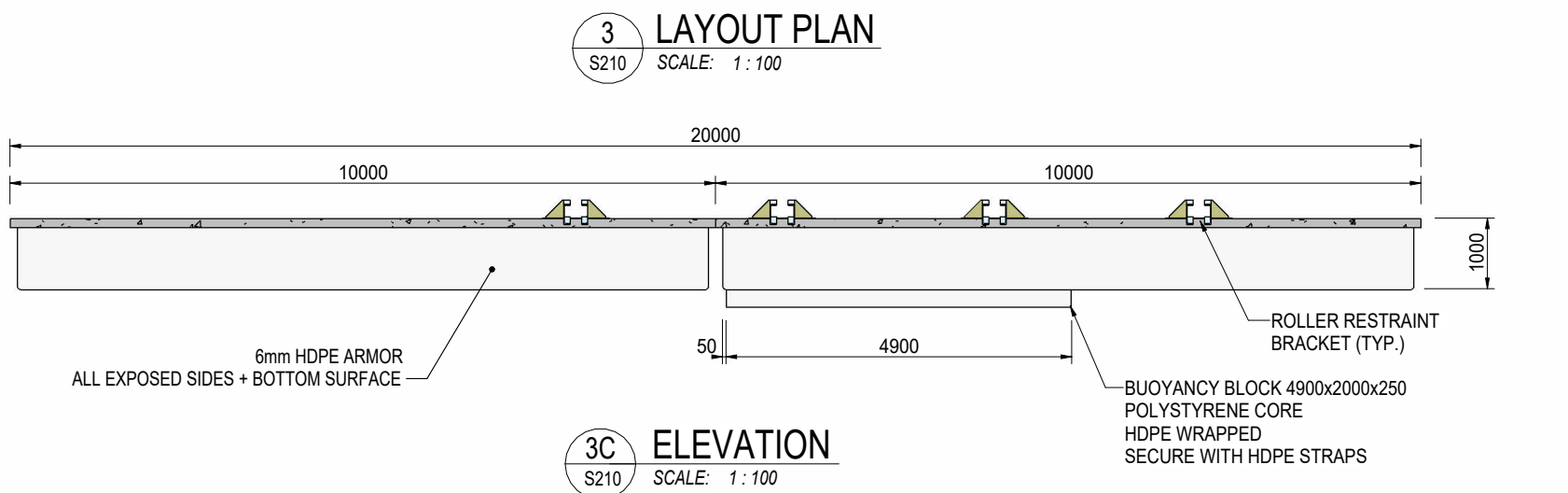
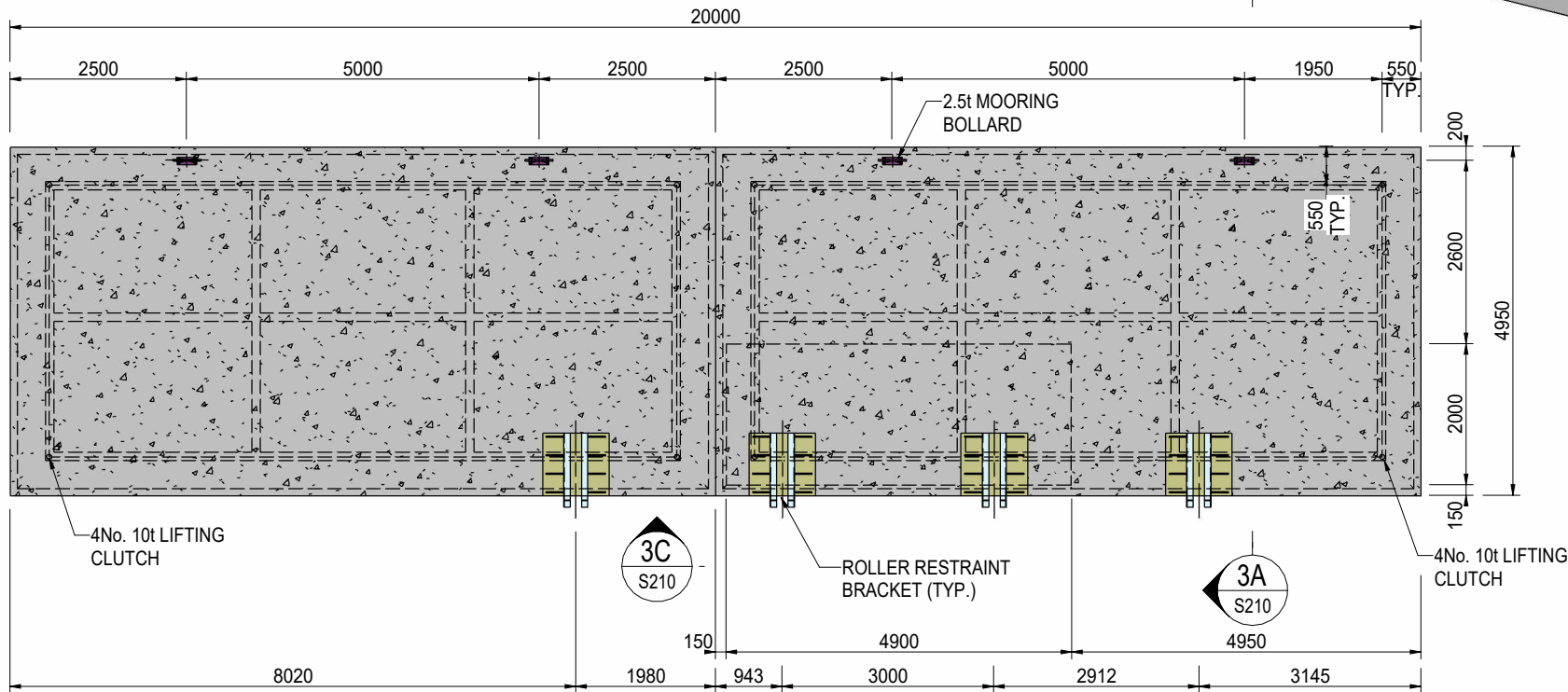
NOTE:
PILE BRACKET TO SUIT 1200mm
OD PILE LINER

8A ISOMETRIC VIEW
S205 SCALE: NOT TO SCALE

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

<table border="1"> <tr> <td>B</td> <td>07/02/24</td> <td>70% DETAILED DESIGN</td> <td>BH</td> </tr> <tr> <td>A</td> <td>15/12/23</td> <td>25% DETAILED DESIGN</td> <td>BH</td> </tr> <tr> <td>ISSUE</td> <td>DATE</td> <td>DESCRIPTION</td> <td>BY</td> </tr> <tr> <td colspan="4">AMENDMENTS</td> </tr> </table>				B	07/02/24	70% DETAILED DESIGN	BH	A	15/12/23	25% DETAILED DESIGN	BH	ISSUE	DATE	DESCRIPTION	BY	AMENDMENTS				<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425 Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173 Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>	<p>CLIENT:</p>	<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>	<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER DATE: _____</p>	<p>SHEET CONTENTS:</p> <p>PILE BRACKET DETAILS SHEET 1 OF 3</p>				<p>SHEET SIZE:</p> <p>A3</p> <p>ISSUE:</p> <p>B</p>
B	07/02/24	70% DETAILED DESIGN	BH																									
A	15/12/23	25% DETAILED DESIGN	BH																									
ISSUE	DATE	DESCRIPTION	BY																									
AMENDMENTS																												
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BH	17/11/23	PLB	07/02/24																									
DESIGNED:	DWG No.:	ISSUE TYPE:																										
OL	FS3192F - S205	APPROVAL																										



NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

ISSUE	DATE	DESCRIPTION	BY
B	07/02/24	70% DETAILED DESIGN	BH
A	15/12/23	25% DETAILED DESIGN	BH
AMENDMENTS			



FSA CONSULTING ENGINEERS P/L
temporary works | commercial | marine
ABN 68802194425
Unit 12, Tingalpa Central
1631 Wynnum Rd, TINGALPA
PO Box 2282, TINGALPA QLD 4173
Tel. +617 3393 9447
email: admin@fsace.com.au
website: www.fsace.com.au



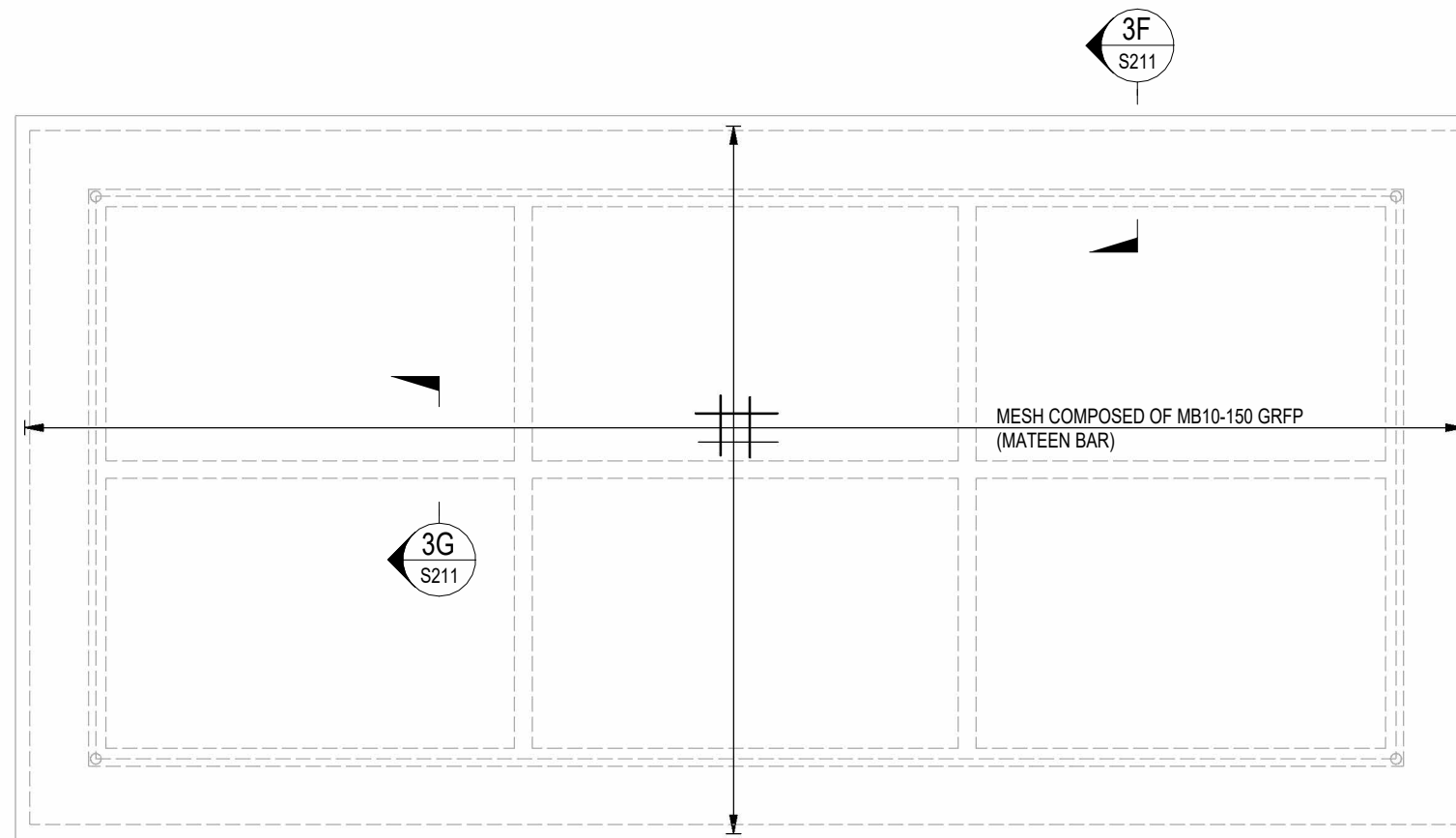
CLIENT:
FRASER COAST REGIONAL COUNCIL
WALKER ST, MARYBOROUGH, QLD, 4650
PROJECT:
FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON
PROJECT REFERENCE No.: **FS3192F**

APPROVED BY:
RPEQ:
CPEng NER
DATE:

SHEET CONTENTS:
PONTOON DETAILS

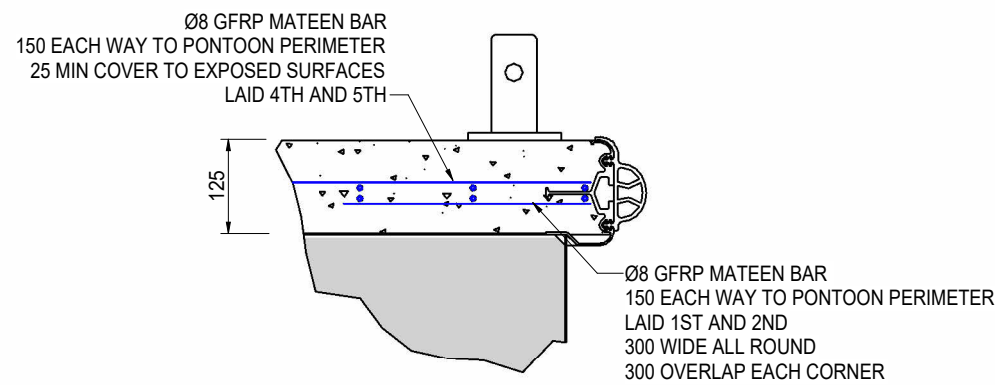
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DESIGNED:	DWG No.:	ISSUE TYPE:			
OL	FS3192F - S210	APPROVAL			

SHEET SIZE:
A3
ISSUE:
B

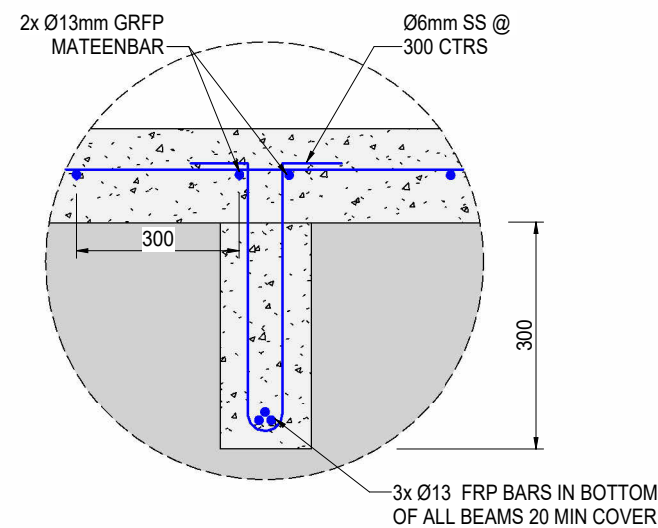


- NOTES
1. FOR GENERAL NOTES REFER TO S002 AND S003.
 2. ALL CONCRETE WORK TO COMPLY WITH AS3600.
 3. ALL CONCRETE TO BE 50 MPa (GRADE N50).
 4. ALL PONTOON REINFORCING TO BE FIBRE REINFORCED POLYMER (FRP) AND 316 STAINLESS STEEL (SS).
 5. COVER OF REINFORCEMENT TO EXPOSED SURFACES TO BE 25mm MIN. TO FRP BARS FOR INTERNAL SURFACES, 30mm TO SS BARS, 40mm TO EXPOSED DECK SURFACE.
 6. ALL BAR LAPS TO BE MIN. 40ϕ (WHERE ϕ IS THE BAR DIAMETER).
 7. MATEEN BAR IS DENOTED AS "MB" ON THIS DRAWING.

3E REINF PLAN
S211 SCALE: 1:50



3F DETAIL
S211 SCALE: 1:10



3G DETAIL
S211 SCALE: 1:10



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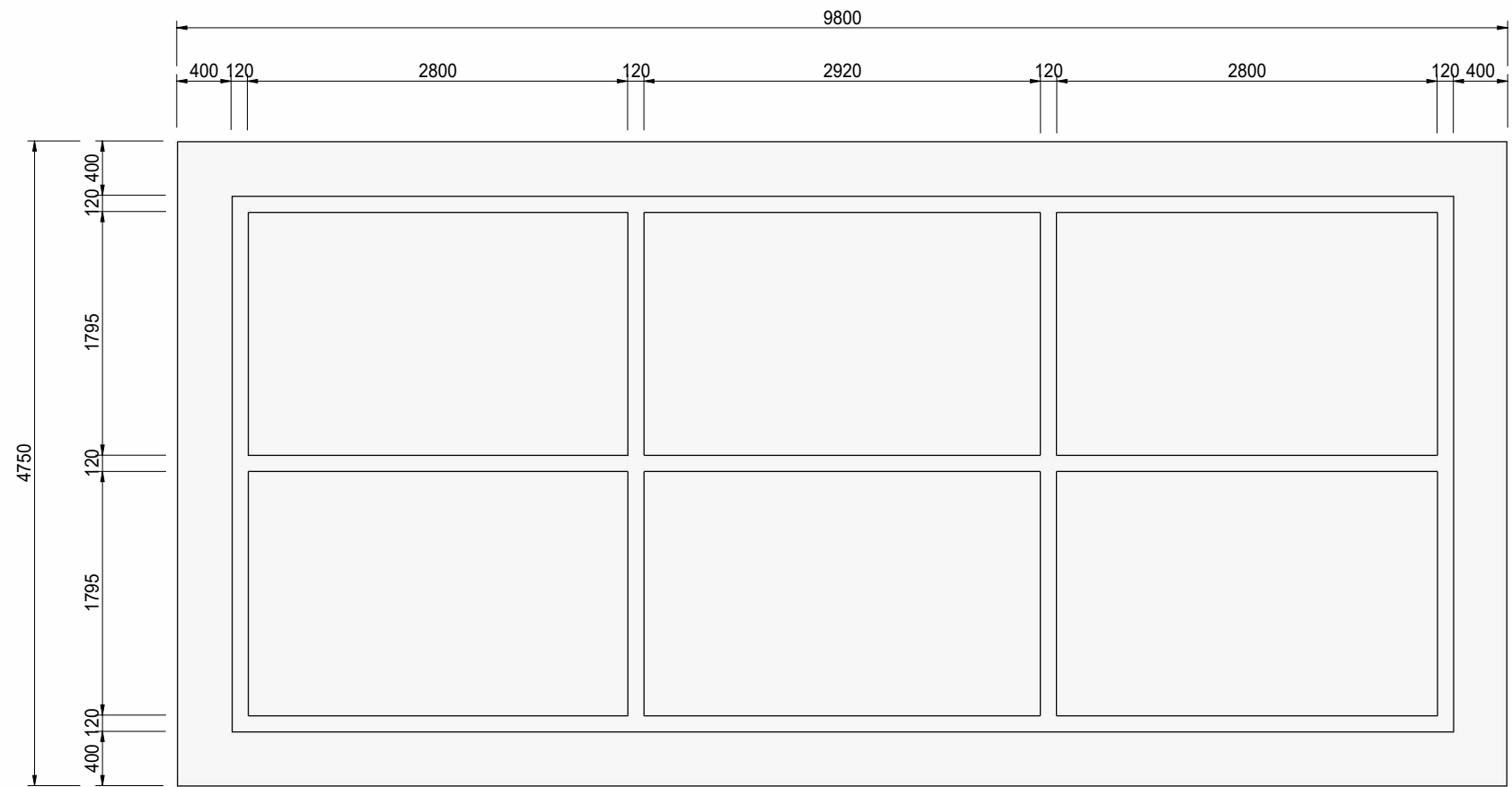
NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425 Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173 Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au		CLIENT: Fraser Coast REGIONAL COUNCIL	PROJECT: FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650 PROJECT REFERENCE No.: FS3192F	APPROVED BY: RPEQ: CPEng NER DATE:	SHEET CONTENTS: PONTOON DETAILS REINF DETAILS	SHEET SIZE: A3
A ISSUE DATE 07/02/24 DESCRIPTION 70% DETAILED DESIGN AMENDMENTS BY BH	DATE 07/02/24 DESCRIPTION 70% DETAILED DESIGN AMENDMENTS BY BH	DATE 17/11/23 DWG No.: FS3192F - S211	Q.A. CHECK: PLB DATE: 07/02/24 SCALE: As indicated ISSUE TYPE: APPROVAL	DATE: 07/02/24 SCALE: As indicated ISSUE TYPE: APPROVAL	SHEET SIZE: A	

GPC Gladstone Ports Corporation

APPROVED

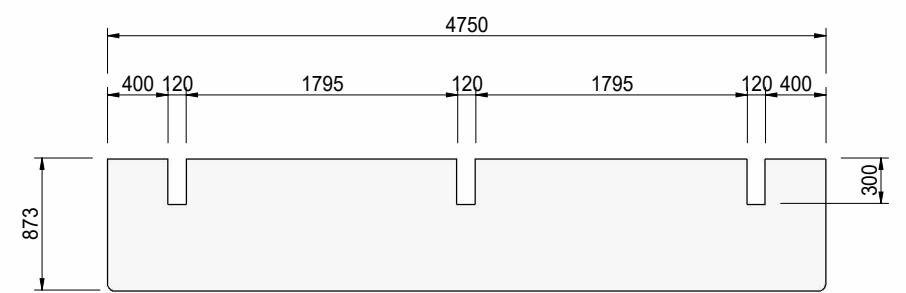
Name: Trudi Smith
Date: 10:44 am, 27/08/2024



5 LAYOUT PLAN
S212 SCALE: 1 : 50



5A ELEVATION
S212 SCALE: 1 : 50

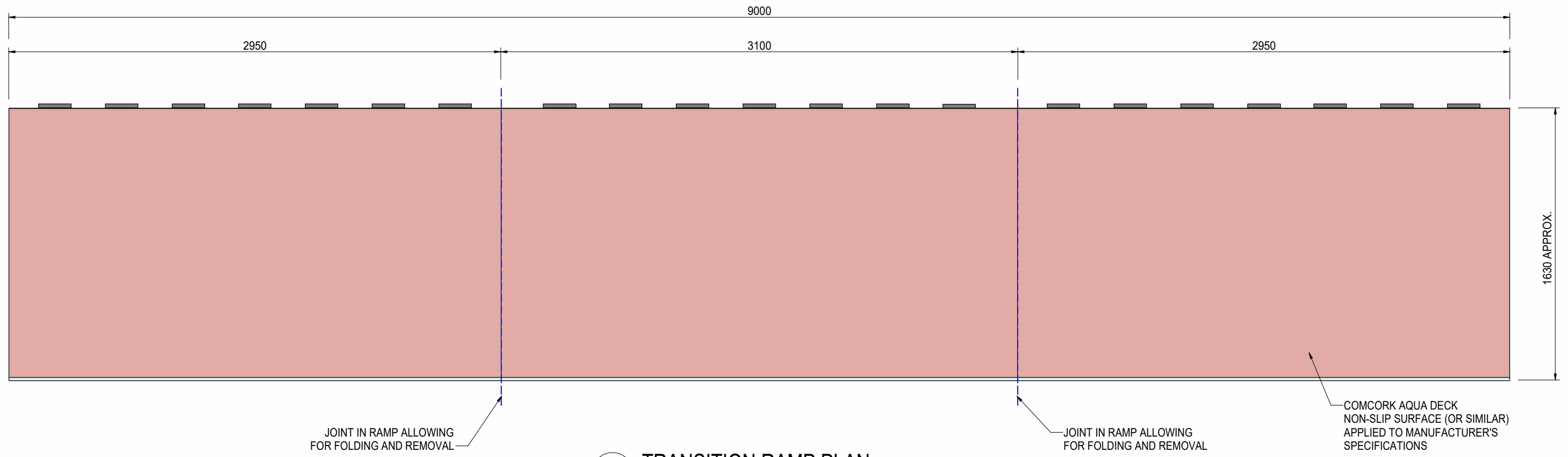


5B SECTION
S212 SCALE: 1 : 50

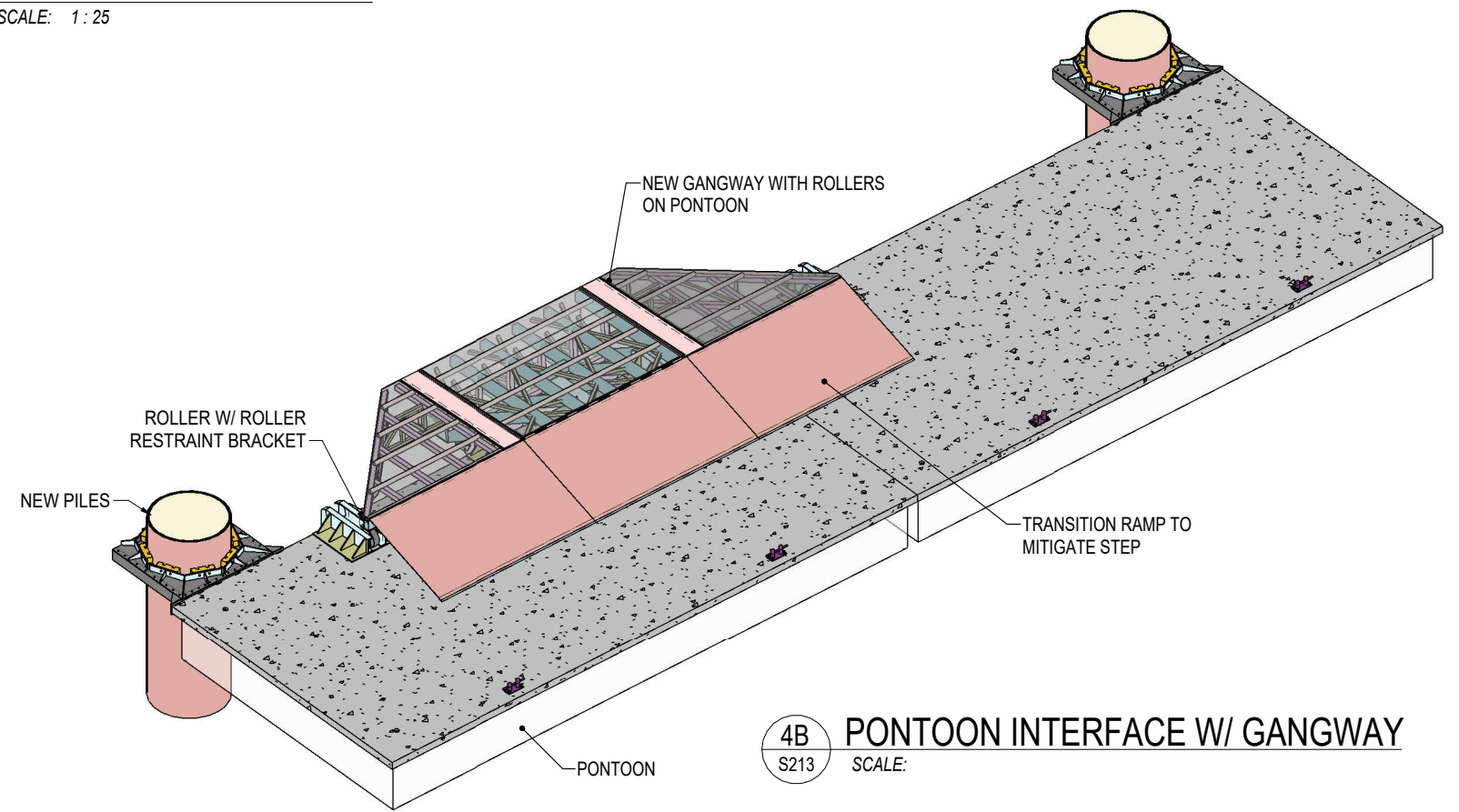
NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425 Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173 Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>				<p>CLIENT:</p>		<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>		<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER DATE: _____</p>		<p>SHEET CONTENTS:</p> <p>FOAM BLOCK DETAILS</p>				<p>SHEET SIZE:</p> <p>A3</p>										
<table border="1"> <thead> <tr> <th>ISSUE</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>07/02/24</td> <td>70% DETAILED DESIGN</td> <td>BH</td> </tr> <tr> <td>A</td> <td>15/12/23</td> <td>25% DETAILED DESIGN</td> <td>BH</td> </tr> <tr> <td colspan="4">AMENDMENTS</td> </tr> </tbody> </table>				ISSUE	DATE	DESCRIPTION	BY	B	07/02/24	70% DETAILED DESIGN	BH	A	15/12/23	25% DETAILED DESIGN	BH	AMENDMENTS				<p>DATE: 17/11/23</p> <p>DWG No.: FS3192F - S212</p>		<p>Q.A. CHECK: PLB</p> <p>DATE: 07/02/24</p> <p>SCALE: 1 : 50</p> <p>ISSUE TYPE: APPROVAL</p>		<p>ISSUE:</p> <p>B</p>
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B	07/02/24	70% DETAILED DESIGN	BH																					
A	15/12/23	25% DETAILED DESIGN	BH																					
AMENDMENTS																								



4 TRANSITION RAMP PLAN
S213 SCALE: 1:25



4B PONTOON INTERFACE W/ GANGWAY
S213 SCALE:

GPC Gladstone Ports Corporation

APPROVED

Name: Trudi Smith
Date: 10:44 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

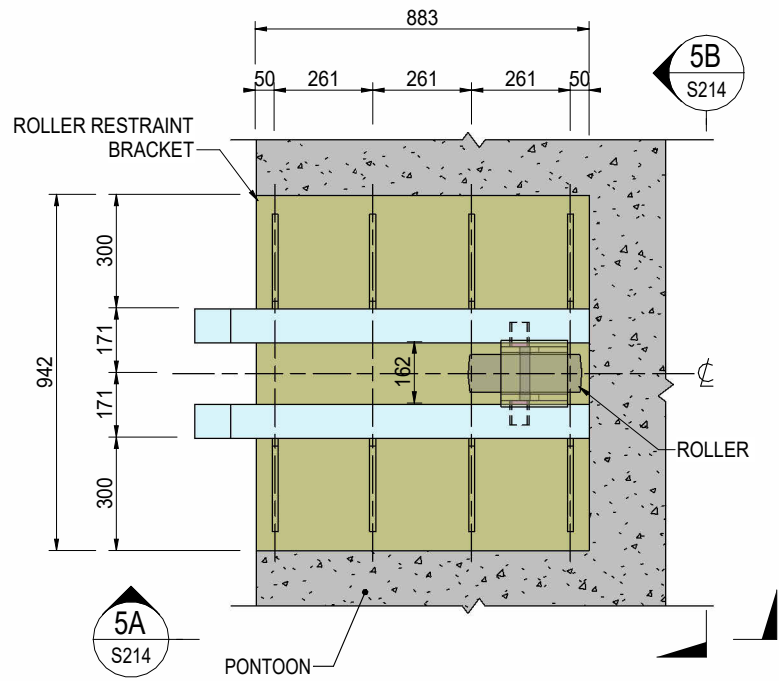
NOT FOR CONSTRUCTION | PRINT IN COLOUR

		FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425		CLIENT: Fraser Coast REGIONAL COUNCIL		PROJECT: FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650		APPROVED BY:		SHEET CONTENTS: TRANSITION RAMP		SHEET SIZE: A3		
A	07/02/24	70% DETAILED DESIGN	BH	Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173	Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au	PROJECT REFERENCE No.: FS3192F		RPEQ:	DATE:	DRAWN: BH	DATE: 17/11/23	Q.A. CHECK: PLB	DATE: 07/02/24	SCALE: 1:25
ISSUE		DATE	DESCRIPTION	BY				CPEng NER		DESIGNED: OL	DWG No.: FS3192F - S213	ISSUE TYPE: APPROVAL	ISSUE: A	
AMENDMENTS								DATE:						

GPC Gladstone Ports Corporation

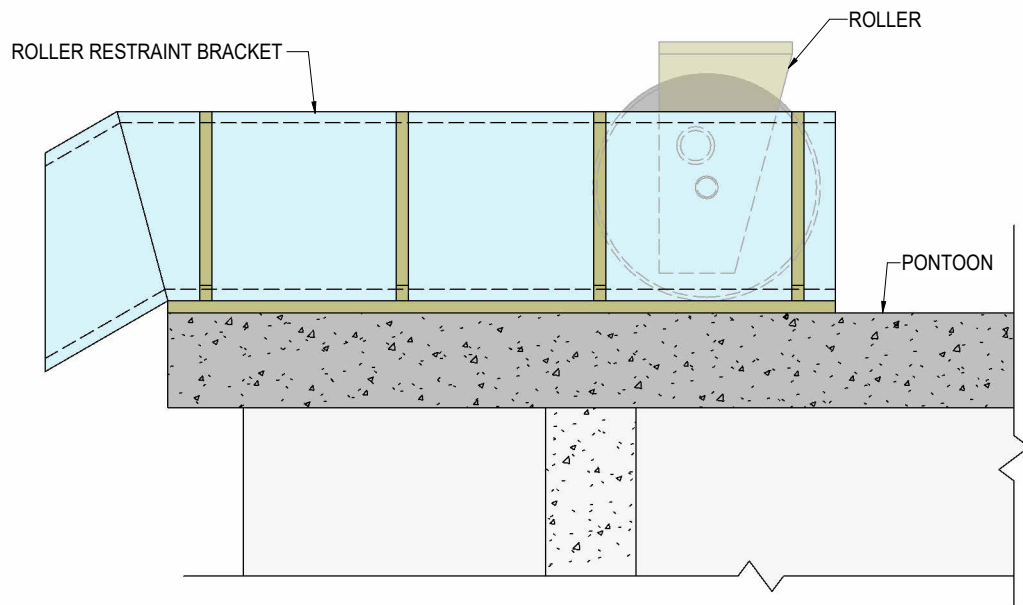
APPROVED

Name: Trudi Smith
Date: 10:44 am, 27/08/2024

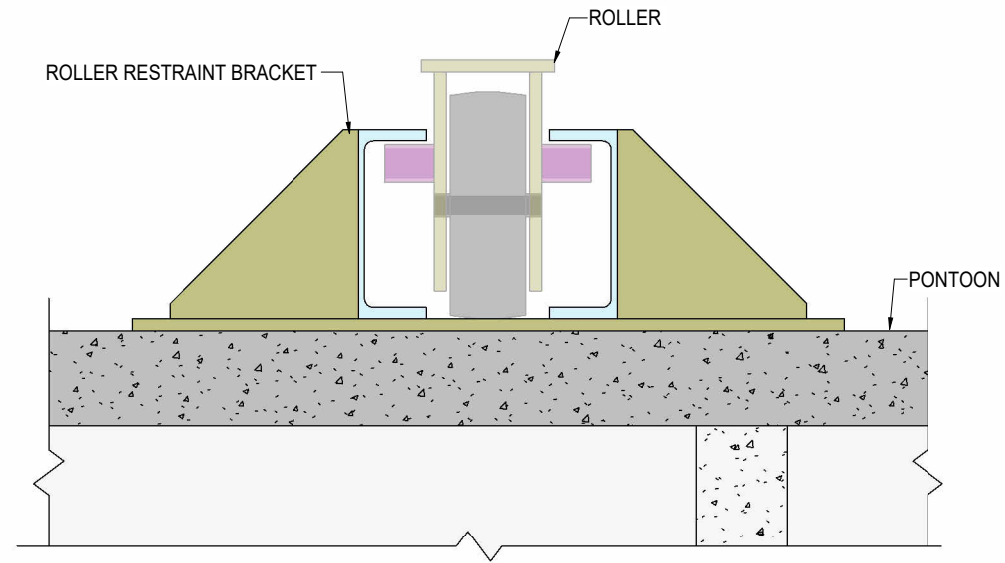


5 ROLLER RESTRAINT BRACKET PLAN
S214 SCALE: 1 : 20

NOTE:
ROLLER RESTRAINT BRACKET DESIGN AND CONNECTION TO PONTOON TO BE DEVELOPED ON THE NEXT DESIGN STAGE



5A SECTION
S214 SCALE: 1 : 10

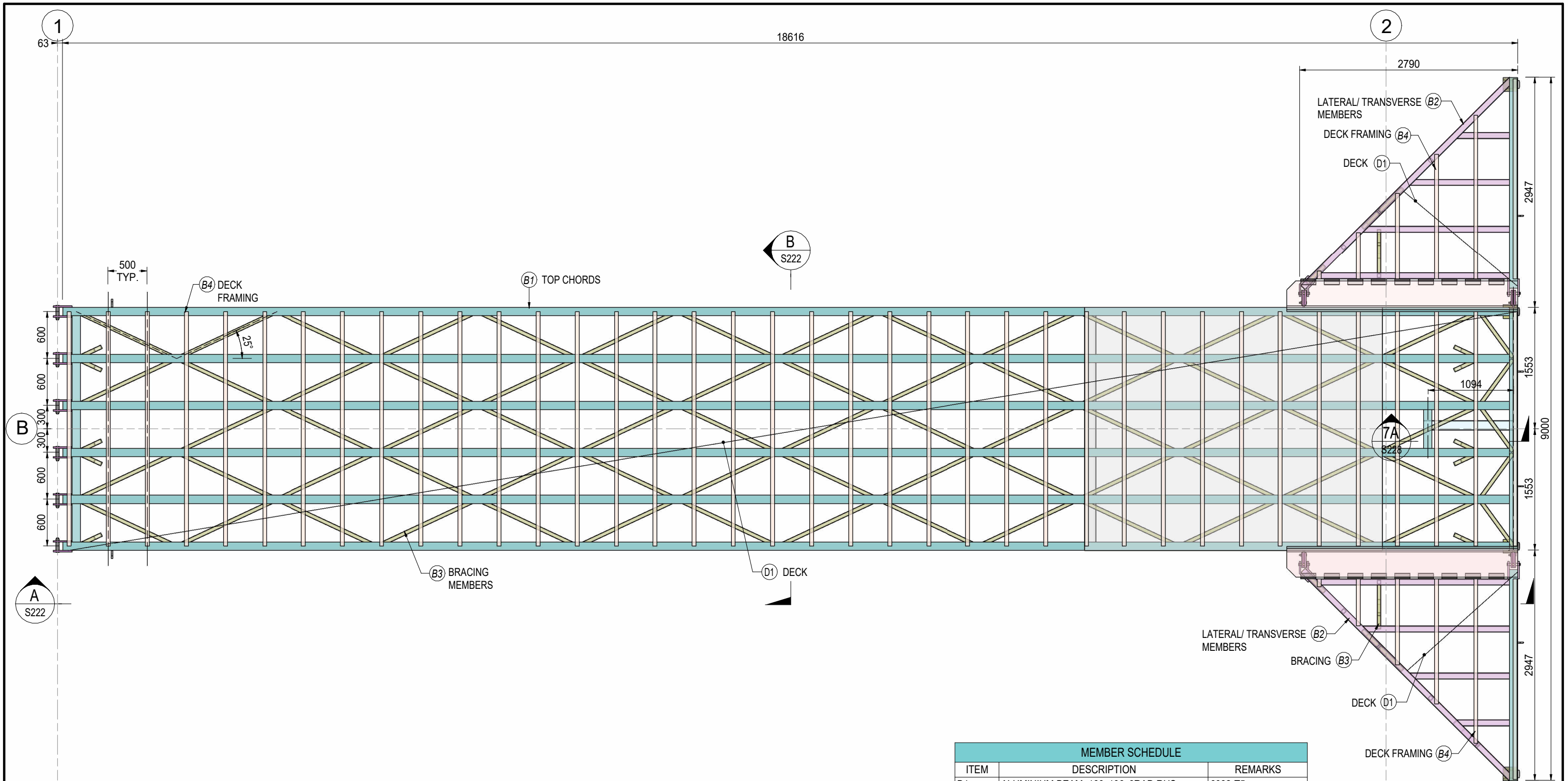


5B SECTION
S214 SCALE: 1 : 10

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425</p> <p>Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p> <p>Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>				<p>CLIENT:</p> <p>Fraser Coast REGIONAL COUNCIL</p>		<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON</p> <p>WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>		<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER _____ DATE: _____</p>		<p>SHEET CONTENTS:</p> <p>ROLLER RESTRAINT BRACKET DETAILS</p>			<p>SHEET SIZE: A3</p>																										
<table border="1"> <thead> <tr> <th>ISSUE</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>07/02/24</td> <td>70% DETAILED DESIGN</td> <td>BH</td> </tr> <tr> <td colspan="4">AMENDMENTS</td> </tr> </tbody> </table>				ISSUE	DATE	DESCRIPTION	BY	A	07/02/24	70% DETAILED DESIGN	BH	AMENDMENTS				<table border="1"> <tr> <td>DRAWN:</td> <td>DATE:</td> <td>Q.A. CHECK:</td> <td>DATE:</td> <td>SCALE:</td> </tr> <tr> <td>BH</td> <td>17/11/23</td> <td>PLB</td> <td>07/02/24</td> <td>As indicated</td> </tr> <tr> <td>DESIGNED:</td> <td>DWG No.:</td> <td colspan="3">ISSUE TYPE:</td> </tr> <tr> <td>OL</td> <td>FS3192F - S214</td> <td colspan="3">APPROVAL</td> </tr> </table>		DRAWN:	DATE:	Q.A. CHECK:	DATE:	SCALE:	BH	17/11/23	PLB	07/02/24	As indicated	DESIGNED:	DWG No.:	ISSUE TYPE:			OL	FS3192F - S214	APPROVAL			<p>ISSUE: A</p>	
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DESIGNED:	DWG No.:	ISSUE TYPE:																																					
OL	FS3192F - S214	APPROVAL																																					



MEMBER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
B1	ALUMINIUM BEAM: 160x106x6RAD RHS	6082-T5
B2	ALUMINIUM BEAM: 80x80x6 SHS	6082-T5
B3	ALUMINIUM BEAM: 50x50x5 SHS	6060-T5
B4	ALUMINIUM BEAM: 50x50x3 SHS	6063-T5
B5	ALUMINIUM BEAM: 200x120x6RAD RHS	6082-T5
B6	300x180x20PL RHS	TBC
B7	STEEL BEAM: 180UB22.2	GRADE 300
D1	DECK: 4mm ALUMINIUM PL	5083
S1	ROLL OVER MEMBER: HALF 273.1CHS x 12.7	

1 GANGWAY LAYOUT PLAN ON TOP CHORDS
S220 SCALE: 1:50

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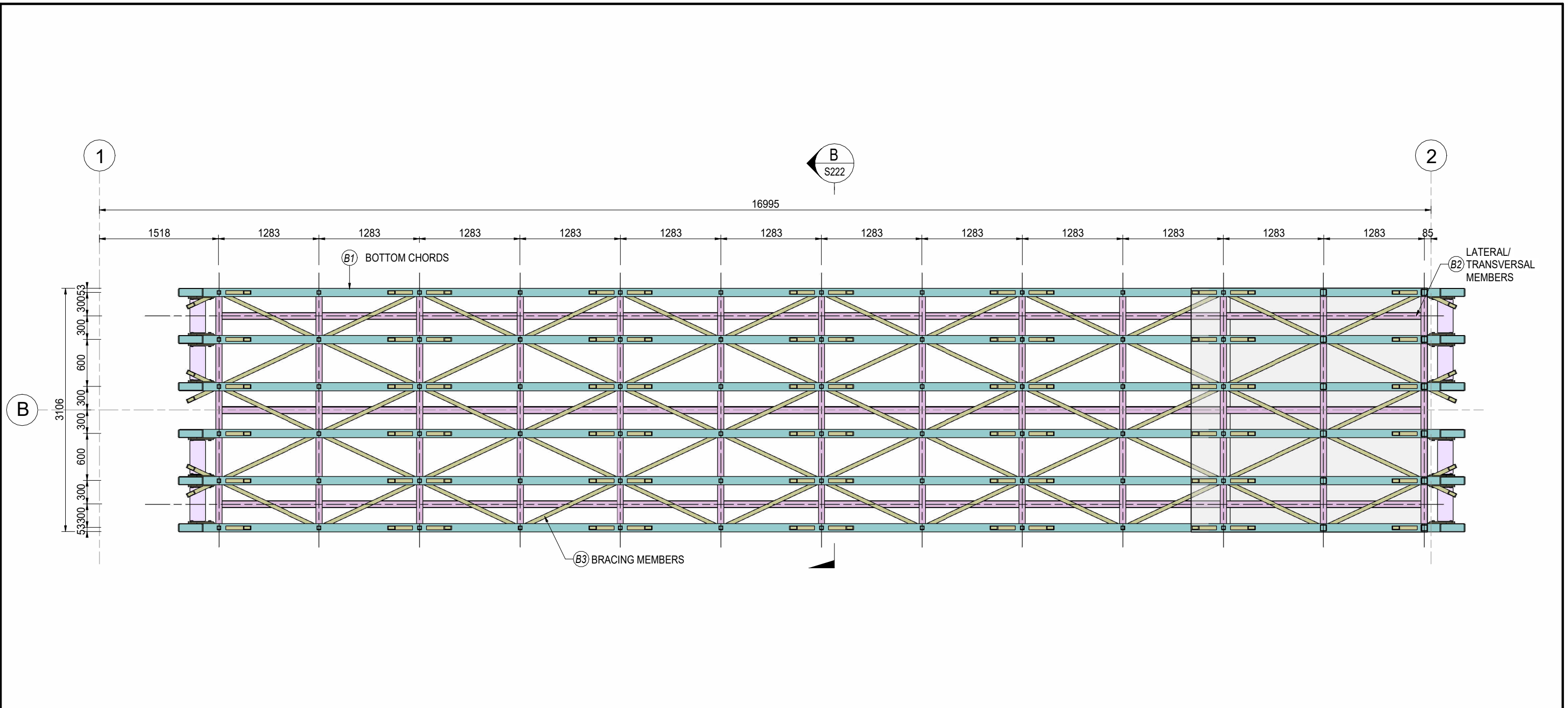
GPC Gladstone Ports Corporation

APPROVED

Name: Trudi Smith
Date: 10:45 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p>		<p>CLIENT:</p> <p>Fraser Coast REGIONAL COUNCIL</p>		<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>		<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER _____ DATE: _____</p>		<p>SHEET CONTENTS:</p> <p>GANGWAY LAYOUT PLAN SHEET 1 OF 2</p> <p>ISSUE TYPE: APPROVAL</p>		<p>SHEET SIZE:</p> <p>A3</p>															
<table border="1"> <tr> <th>ISSUE</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> <tr> <td>B</td> <td>07/02/24</td> <td>70% DETAILED DESIGN</td> <td>BH</td> </tr> <tr> <td>A</td> <td>15/12/23</td> <td>25% DETAILED DESIGN</td> <td>BH</td> </tr> <tr> <td colspan="4">AMENDMENTS</td> </tr> </table>	ISSUE	DATE	DESCRIPTION	BY	B	07/02/24	70% DETAILED DESIGN	BH	A	15/12/23	25% DETAILED DESIGN	BH	AMENDMENTS												
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B	07/02/24	70% DETAILED DESIGN	BH																						
A	15/12/23	25% DETAILED DESIGN	BH																						
AMENDMENTS																									



2 GANGWAY LAYOUT PLAN ON BOTTOM CHORDS
S221 SCALE: 1:50

MEMBER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
B1	ALUMINIUM BEAM: 160x106x6RAD RHS	6082-T5
B2	ALUMINIUM BEAM: 80x80x6 SHS	6082-T5
B3	ALUMINIUM BEAM: 50x50x5 SHS	6060-T5
B4	ALUMINIUM BEAM: 50x50x3 SHS	6063-T5
B5	ALUMINIUM BEAM: 200x120x6RAD RHS	6082-T5
B6	300x180x20PL RHS	TBC
B7	STEEL BEAM: 180UB22.2	GRADE 300
D1	DECK: 4mm ALUMINIUM PL	5083
S1	ROLL OVER MEMBER: HALF 273.1CHS x 12.7	

GPC Gladstone Ports Corporation

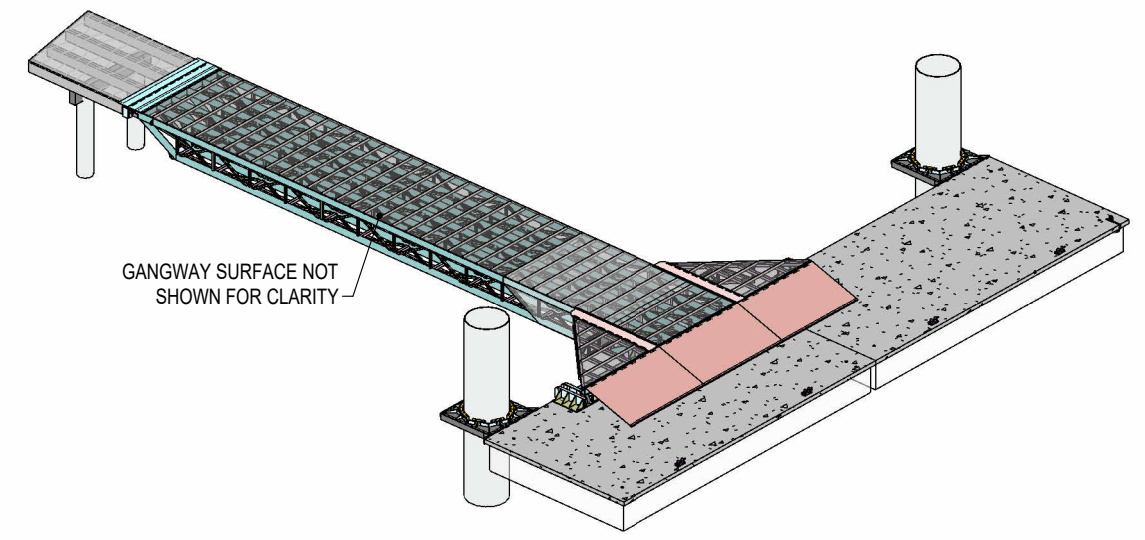
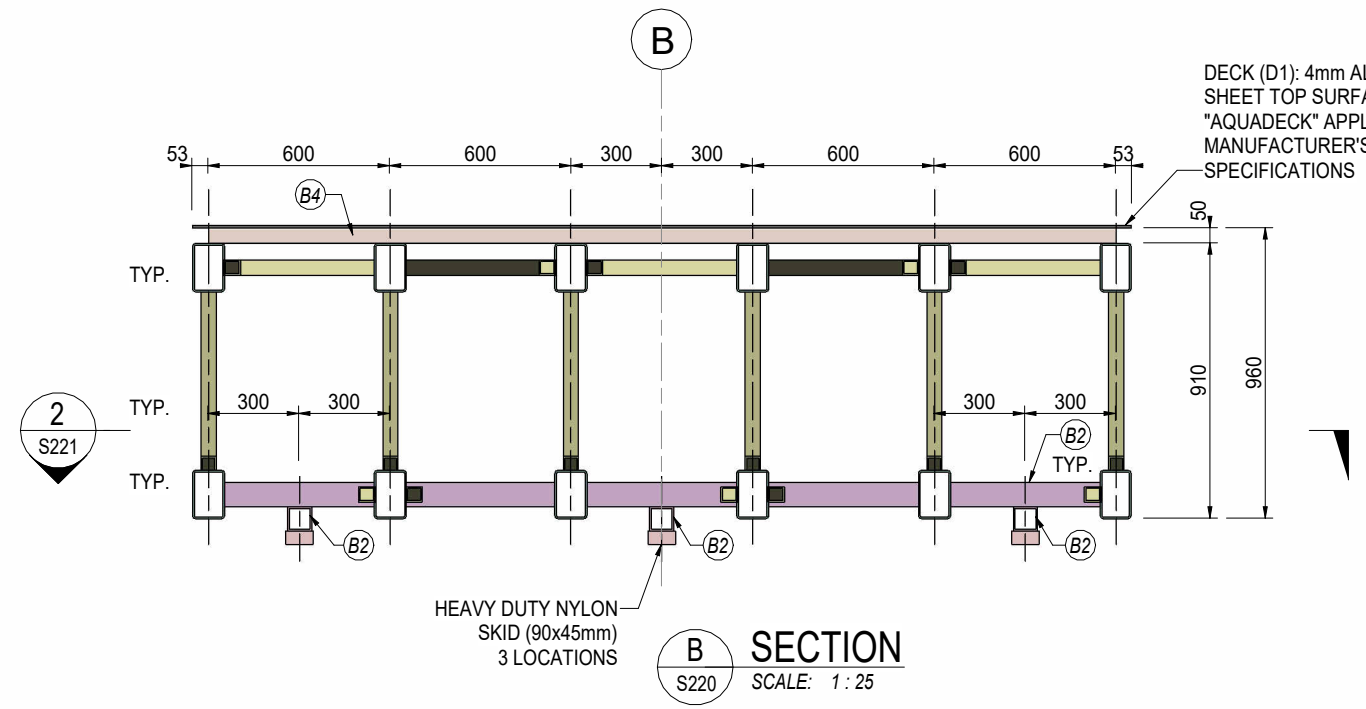
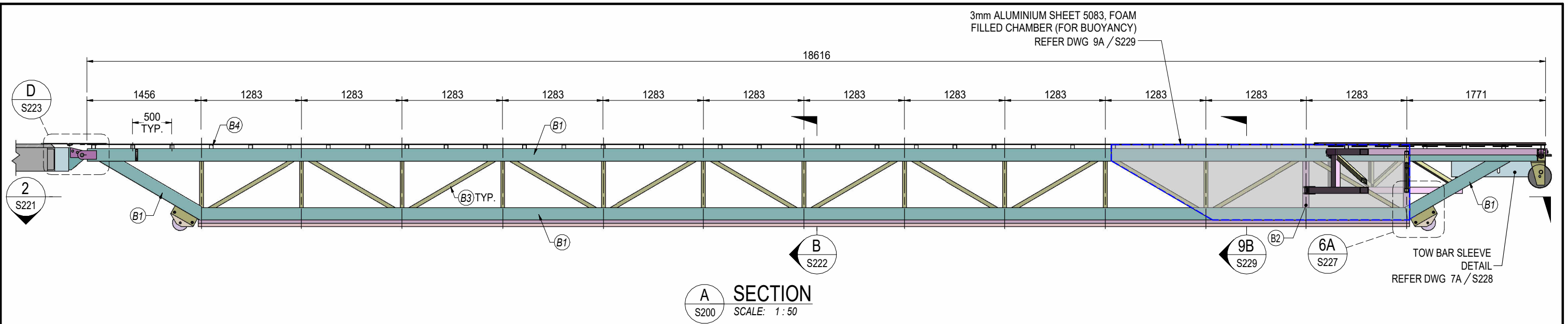
APPROVED

Name: Trudi Smith
Date: 10:45 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425</p> <p>Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p> <p>Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>		<p>CLIENT:</p> <p>Fraser Coast REGIONAL COUNCIL</p>		<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON</p> <p>WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>		<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER _____ DATE: _____</p>		<p>SHEET CONTENTS:</p> <p>GANGWAY LAYOUT PLAN SHEET 2 OF 2</p> <p>DRAWN: BH DESIGNED: OL</p> <p>DATE: 17/11/23 DWG No.: FS3192F - S221</p> <p>Q.A. CHECK: PLB DATE: 07/02/24 ISSUE TYPE: APPROVAL</p> <p>SCALE: 1:50</p>				<p>SHEET SIZE: A3</p> <p>ISSUE: A</p>
<p>A 07/02/24 70% DETAILED DESIGN BH</p> <p>ISSUE DATE DESCRIPTION BY</p> <p>AMENDMENTS</p>												



MEMBER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
B1	ALUMINIUM BEAM: 160x106x6RAD RHS	6082-T5
B2	ALUMINIUM BEAM: 80x80x6 SHS	6082-T5
B3	ALUMINIUM BEAM: 50x50x5 SHS	6060-T5
B4	ALUMINIUM BEAM: 50x50x3 SHS	6063-T5
B5	ALUMINIUM BEAM: 200x120x6RAD RHS	6082-T5
B6	300x180x20PL RHS	TBC
B7	STEEL BEAM: 180UB22.2	GRADE 300
D1	DECK: 4mm ALUMINIUM PL	5083
S1	ROLL OVER MEMBER: HALF 273.1CHS x 12.7	

GPC Gladstone Ports Corporation

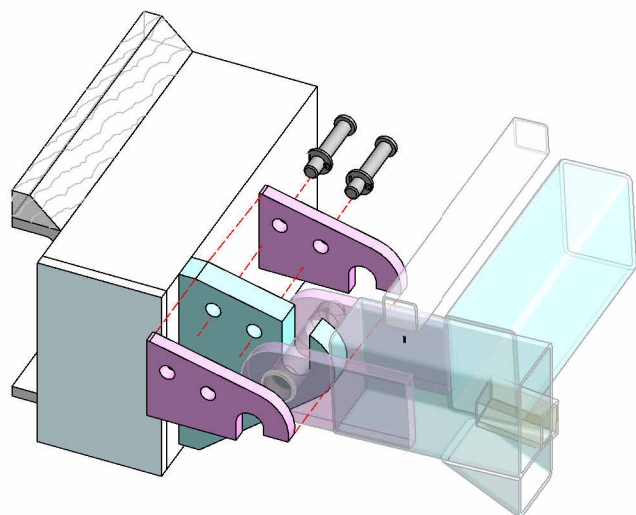
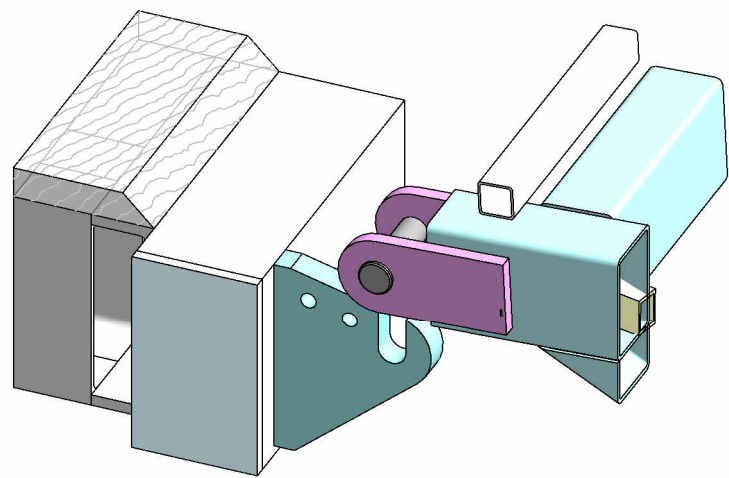
APPROVED

Name: Trudi Smith
Date: 10:45 am, 27/08/2024

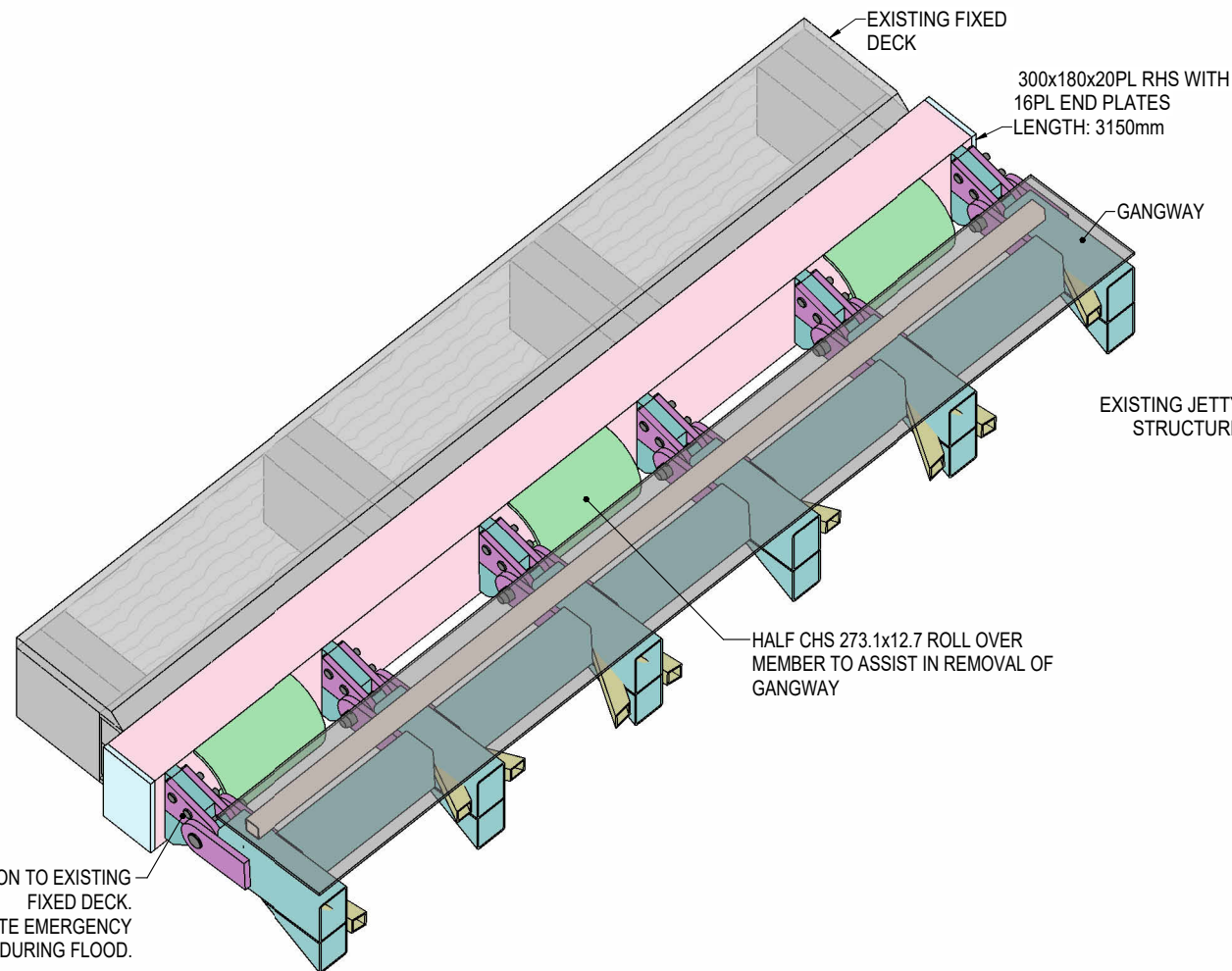
NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

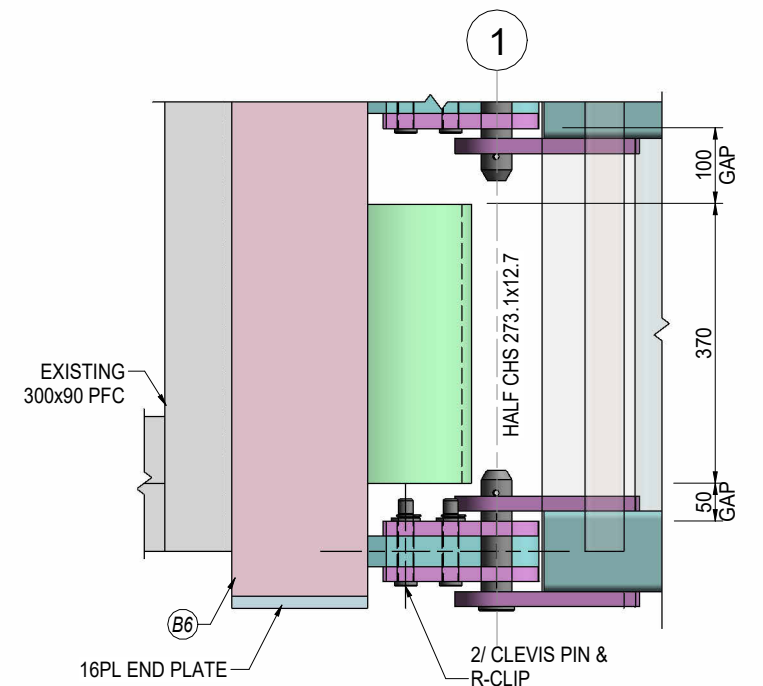
<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425</p> <p>Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p> <p>Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>		<p>CLIENT:</p> <p>Fraser Coast REGIONAL COUNCIL</p>	<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>	<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER _____ DATE: _____</p>	<p>SHEET CONTENTS:</p> <p>GANGWAY ELEVATION, SECTION AND ISOMETRIC</p> <p>DRAWN: BH DATE: 17/11/23 Q.A. CHECK: PLB DATE: 07/02/24 SCALE: As indicated</p> <p>DESIGNED: OL DWG No.: FS3192F - S222 ISSUE TYPE: APPROVAL</p>	<p>SHEET SIZE: A3</p> <p>ISSUE: A</p>
<p>A 07/02/24 70% DETAILED DESIGN BH</p> <p>ISSUE DATE DESCRIPTION BY</p> <p>AMENDMENTS</p>						



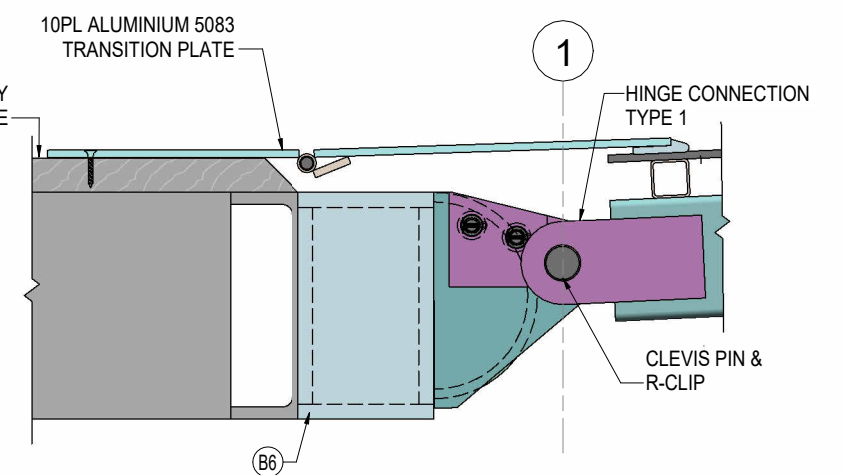
PINNED HINGE CONNECTION TO EXISTING FIXED DECK. HINGE TO FACILITATE EMERGENCY REMOVAL DURING FLOOD.



C GANGWAY PIN & ROLL OVER DETAIL
S223 SCALE: 1:10



E PLAN
S223 SCALE: 1:10



D ELEVATION
S222 SCALE: 1:10

MEMBER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
B1	ALUMINIUM BEAM: 160x106x6RAD RHS	6082-T5
B2	ALUMINIUM BEAM: 80x80x6 SHS	6082-T5
B3	ALUMINIUM BEAM: 50x50x5 SHS	6060-T5
B4	ALUMINIUM BEAM: 50x50x3 SHS	6063-T5
B5	ALUMINIUM BEAM: 200x120x6RAD RHS	6082-T5
B6	300x180x20PL RHS	TBC
B7	STEEL BEAM: 180UB22.2	GRADE 300
D1	DECK: 4mm ALUMINIUM PL	5083
S1	ROLL OVER MEMBER: HALF 273.1CHS x 12.7	

GPC Gladstone Ports Corporation

APPROVED

Name: Trudi Smith
Date: 10:47 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY
A	07/02/24	70% DETAILED DESIGN	BH
AMENDMENTS			



FSA CONSULTING ENGINEERS P/L
temporary works | commercial | marine
ABN 68802194425

Unit 12, Tingalpa Central
1631 Wynnum Rd, TINGALPA
PO Box 2282, TINGALPA QLD 4173

Tel. +617 3393 9447
email: admin@fsace.com.au
website: www.fsace.com.au

CLIENT:

Fraser Coast REGIONAL COUNCIL

PROJECT:
FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON
WALKER ST, MARYBOROUGH, QLD, 4650

PROJECT REFERENCE No.: FS3192F

APPROVED BY:

RPEQ: _____
CPEng NER _____
DATE: _____

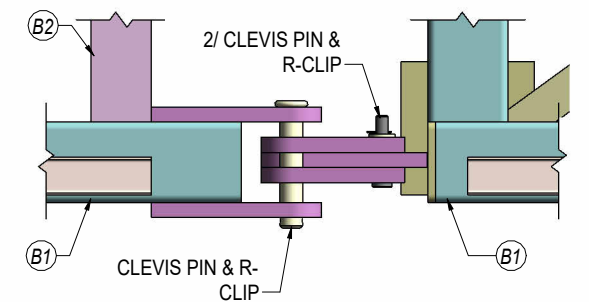
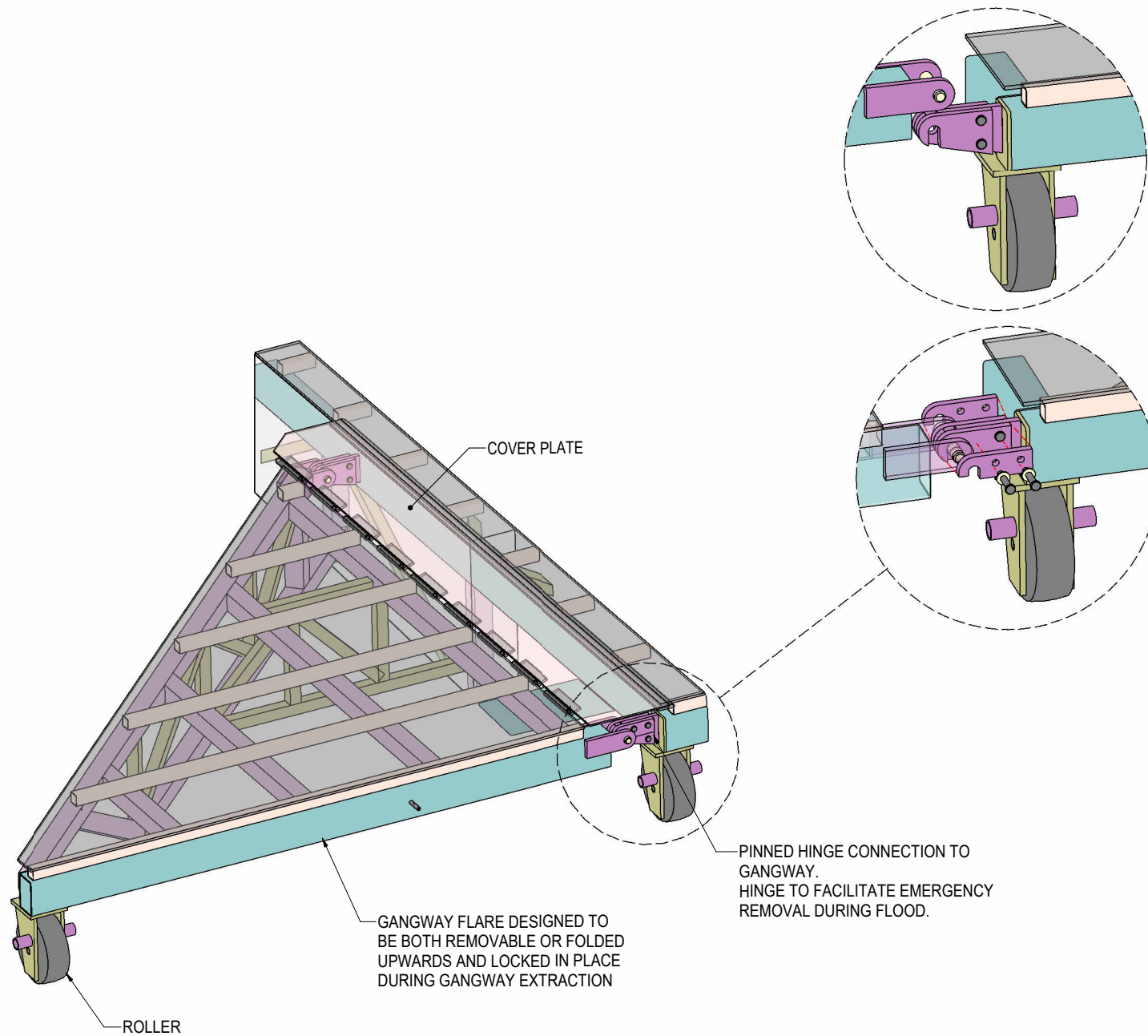
SHEET CONTENTS:
GANGWAY PINNED HINGE DETAILS SHEET 1 OF 2

DRAWN: BH
DATE: 17/11/23
G.A. CHECK: PLB
DATE: 07/02/24
SCALE: 1:10

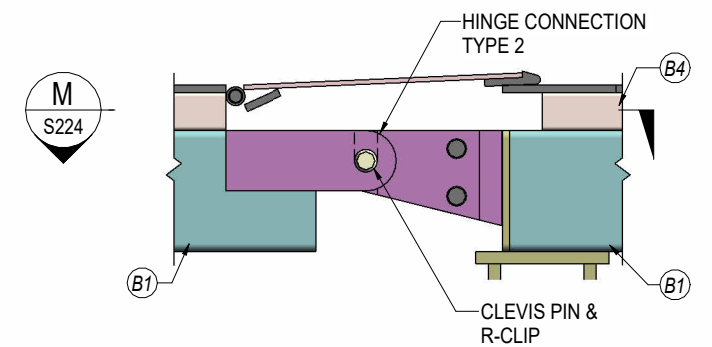
ISSUE TYPE: APPROVAL

SHEET SIZE: A3
ISSUE: A

MEMBER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
B1	ALUMINIUM BEAM: 160x106x6RAD RHS	6082-T5
B2	ALUMINIUM BEAM: 80x80x6 SHS	6082-T5
B3	ALUMINIUM BEAM: 50x50x5 SHS	6060-T5
B4	ALUMINIUM BEAM: 50x50x3 SHS	6063-T5
B5	ALUMINIUM BEAM: 200x120x6RAD RHS	6082-T5
B6	300x180x20PL RHS	TBC
B7	STEEL BEAM: 180UB22.2	GRADE 300
D1	DECK: 4mm ALUMINIUM PL	5083
S1	ROLL OVER MEMBER: HALF 273.1CHS x 12.7	



M PLAN
S224 SCALE: 1:10



N ELEVATION
S200 SCALE: 1:10

E FLARE HINGED CONNECTION
S224 SCALE:

GPC Gladstone Ports Corporation

APPROVED

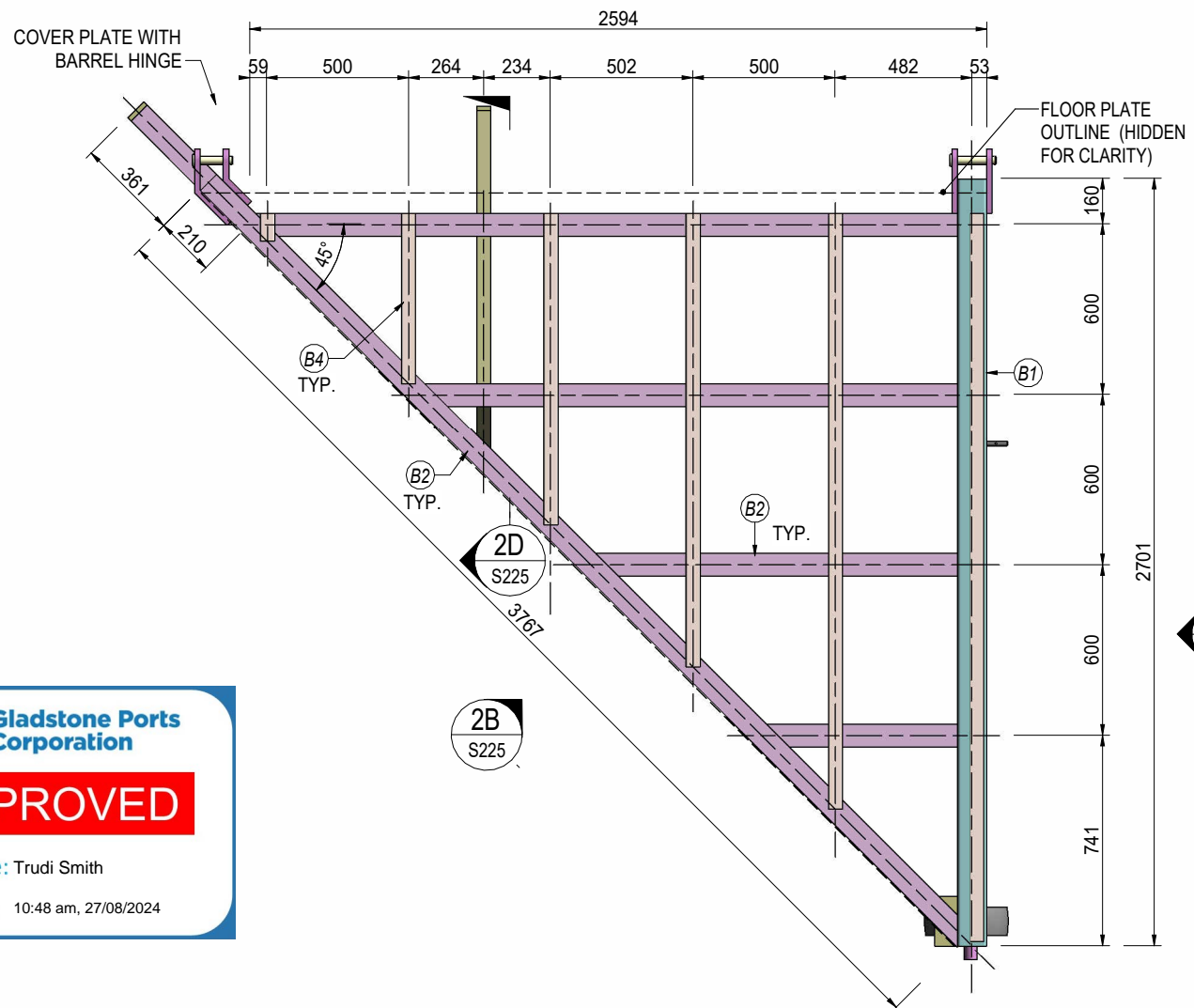
Name: Trudi Smith
Date: 10:48 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

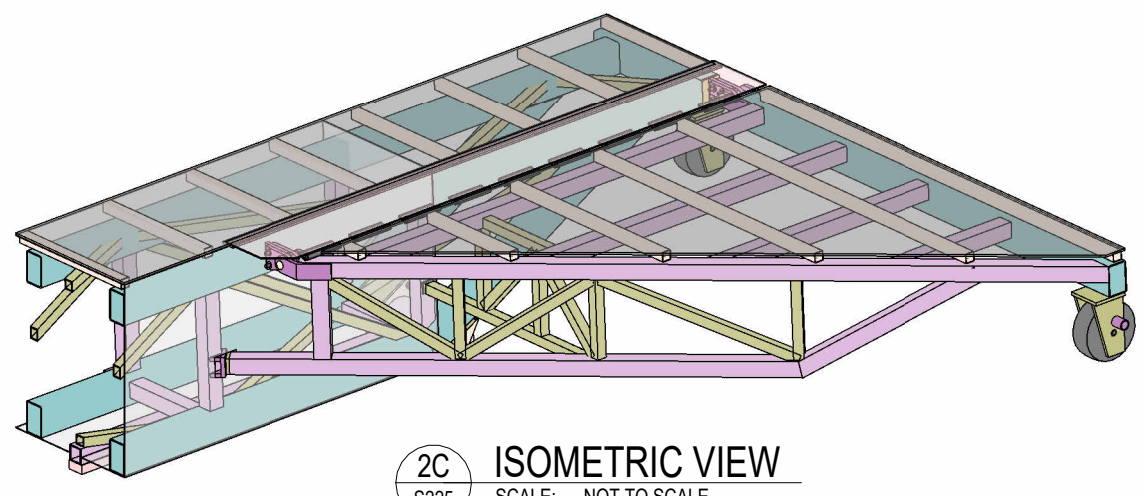
NOT FOR CONSTRUCTION PRINT IN COLOUR

<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425</p> <p>Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p> <p>Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>		<p>CLIENT:</p> <p>Fraser Coast REGIONAL COUNCIL</p>	<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>	<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER _____ DATE: _____</p>	<p>SHEET CONTENTS:</p> <p>GANGWAY PINNED HINGE DETAILS SHEET 2 OF 2</p> <p>DRAWN: BH DATE: 17/11/23 Q.A. CHECK: PLB DATE: 07/02/24 SCALE: As indicated DESIGNED: OL DWG No.: FS3192F - S224 ISSUE TYPE: APPROVAL</p>	<p>SHEET SIZE: A3</p> <p>ISSUE: A</p>												
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ISSUE	DATE	DESCRIPTION	BY															
A	07/02/24	70% DETAILED DESIGN	BH															
AMENDMENTS																		

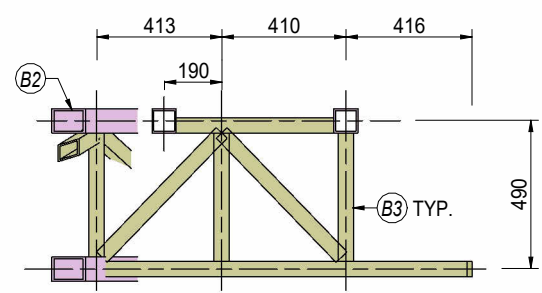
MEMBER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
B1	ALUMINIUM BEAM: 160x106x6RAD RHS	6082-T5
B2	ALUMINIUM BEAM: 80x80x6 SHS	6082-T5
B3	ALUMINIUM BEAM: 50x50x5 SHS	6060-T5
B4	ALUMINIUM BEAM: 50x50x3 SHS	6063-T5
B5	ALUMINIUM BEAM: 200x120x6RAD RHS	6082-T5
B6	300x180x20PL RHS	TBC
B7	STEEL BEAM: 180UB22.2	GRADE 300
D1	DECK: 4mm ALUMINIUM PL	5083
S1	ROLL OVER MEMBER: HALF 273.1CHS x 12.7	



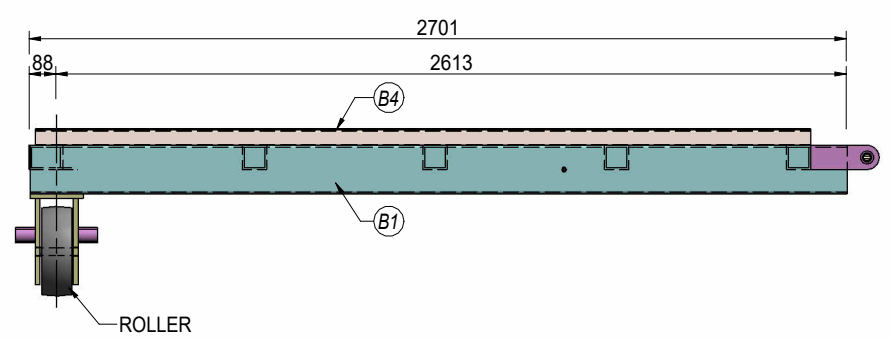
2 LAYOUT PLAN
S225 SCALE: 1 : 25



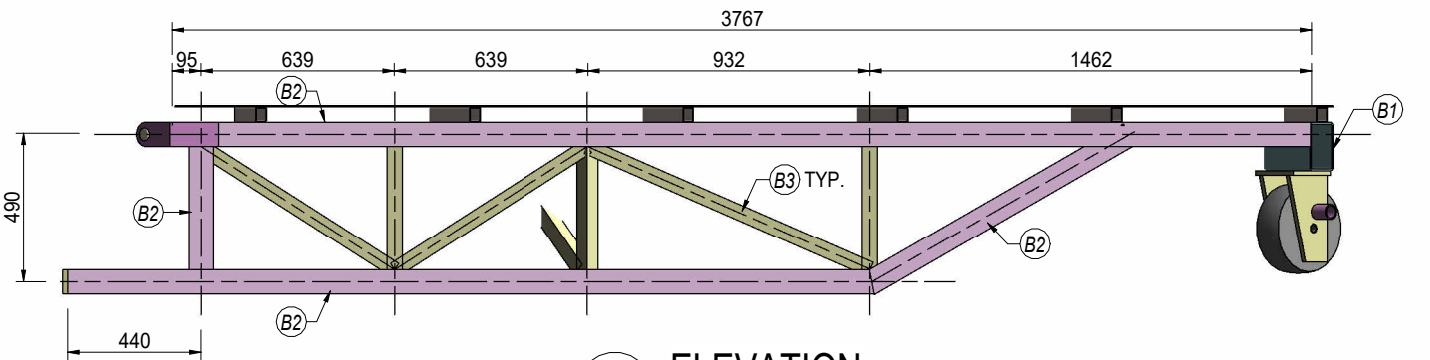
2C ISOMETRIC VIEW
S225 SCALE: NOT TO SCALE



2D SECTION
S225 SCALE: 1 : 25



2A ELEVATION
S225 SCALE: 1 : 25



2B ELEVATION
S225 SCALE: 1 : 25

GPC Gladstone Ports Corporation

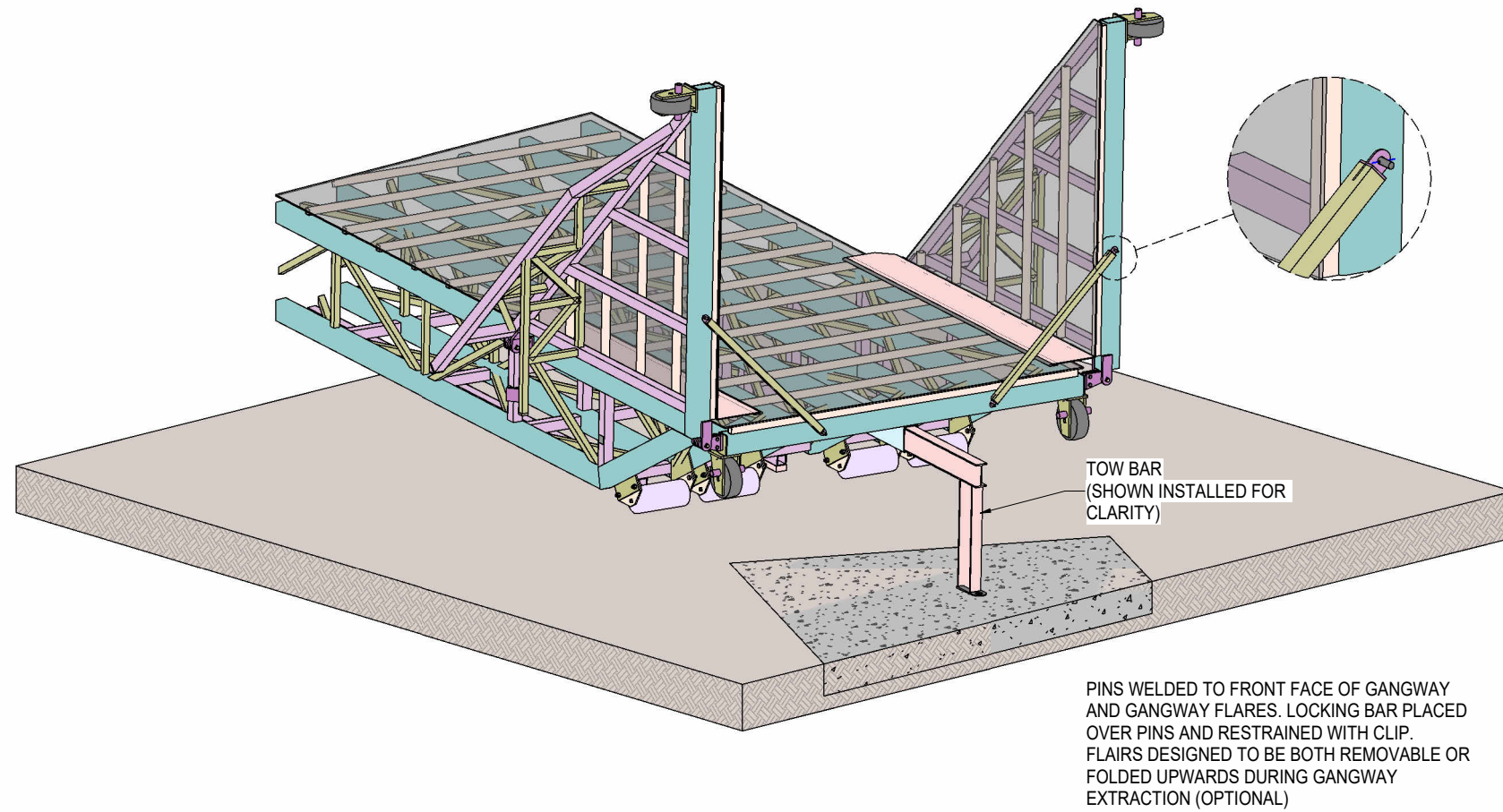
APPROVED

Name: Trudi Smith
Date: 10:48 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

<p>ISSUE DATE DESCRIPTION BY</p> <p>A 07/02/24 70% DETAILED DESIGN BH</p> <p>AMENDMENTS</p>		<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425</p> <p>Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p> <p>Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>	<p>CLIENT:</p> <p>Fraser Coast REGIONAL COUNCIL</p>	<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>	<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER _____ DATE: _____</p>	<p>SHEET CONTENTS:</p> <p>GANGWAY FLARE PLAN, ELEVATIONS & ISOMETRIC VIEWS</p> <p>DRAWN: BH DATE: 17/11/23 Q.A. CHECK: PLB DATE: 07/02/24 SCALE: 1 : 25</p> <p>DESIGNED: OL DWG No.: FS3192F - S225 ISSUE TYPE: APPROVAL</p>	<p>SHEET SIZE: A3</p> <p>ISSUE: A</p>
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1 FLARES LOCKED IN UPRIGHT POSITION
S226 SCALE:

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

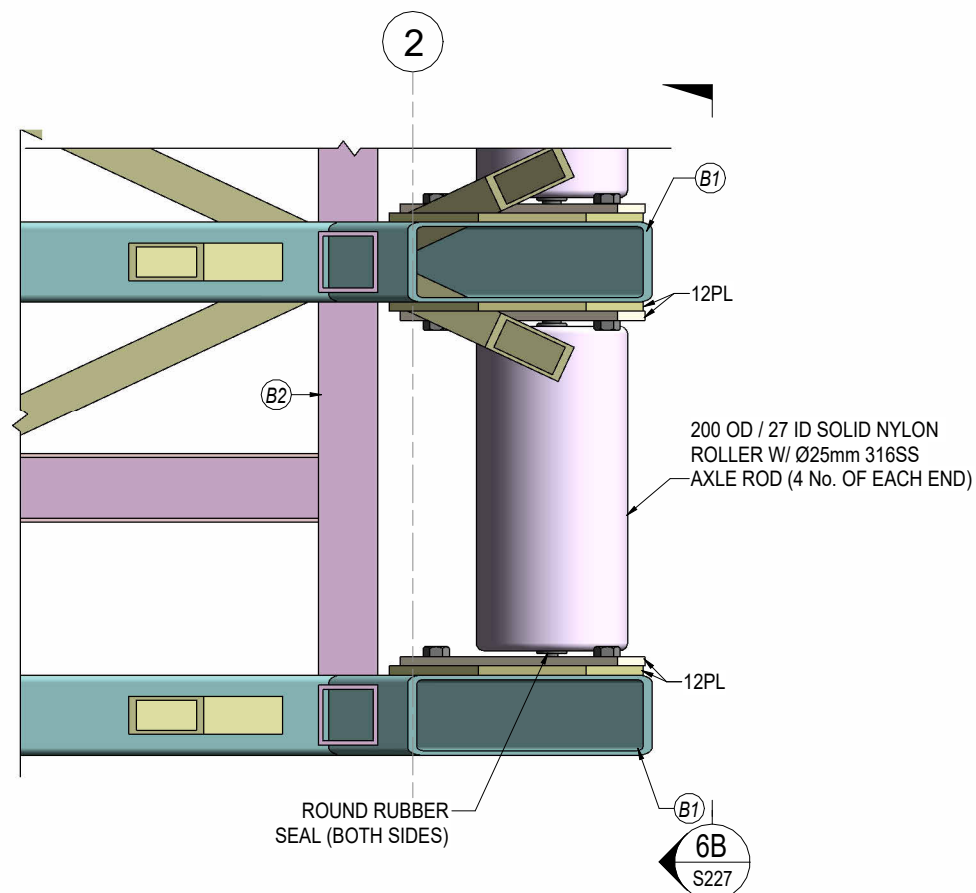
NOT FOR CONSTRUCTION | PRINT IN COLOUR

				FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425 Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173 Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au		CLIENT: 		PROJECT: FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650 PROJECT REFERENCE No.: FS3192F		APPROVED BY: RPEQ: _____ CPEng NER DATE: _____		SHEET CONTENTS: GANGWAY FLARE DETAILS				SHEET SIZE: A3
ISSUE	DATE	DESCRIPTION	BY	DESIGNED:	DWG No.:	Q.A. CHECK:	DATE:	SCALE:	ISSUE:							
A	07/02/24	70% DETAILED DESIGN	BH	OL	FS3192F - S226	PLB	07/02/24	1 : 1	A	APPROVAL						
AMENDMENTS																

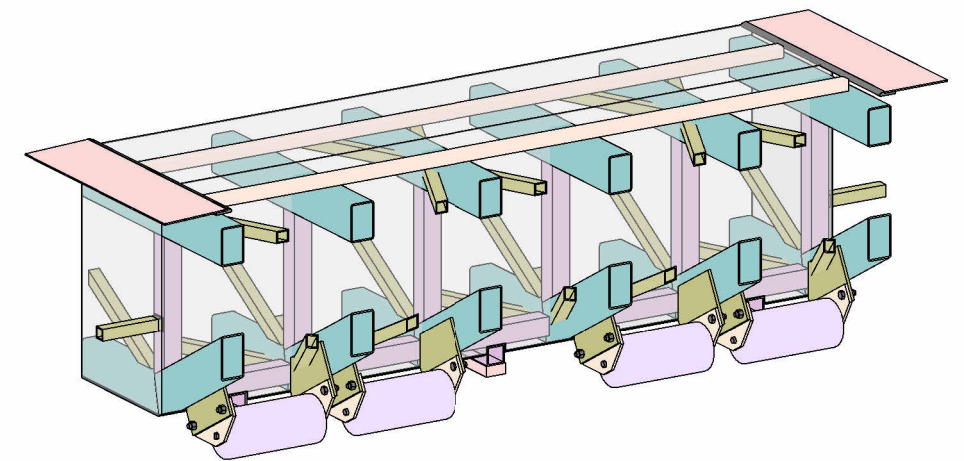
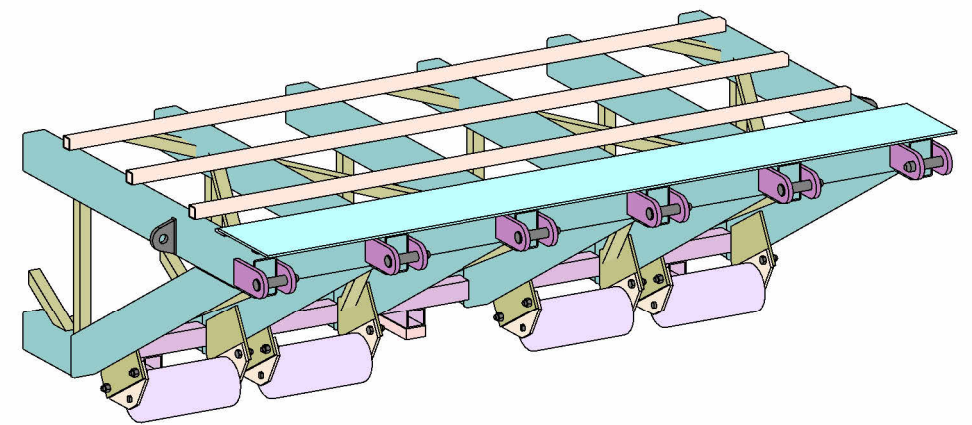
GPC Gladstone Ports Corporation

APPROVED

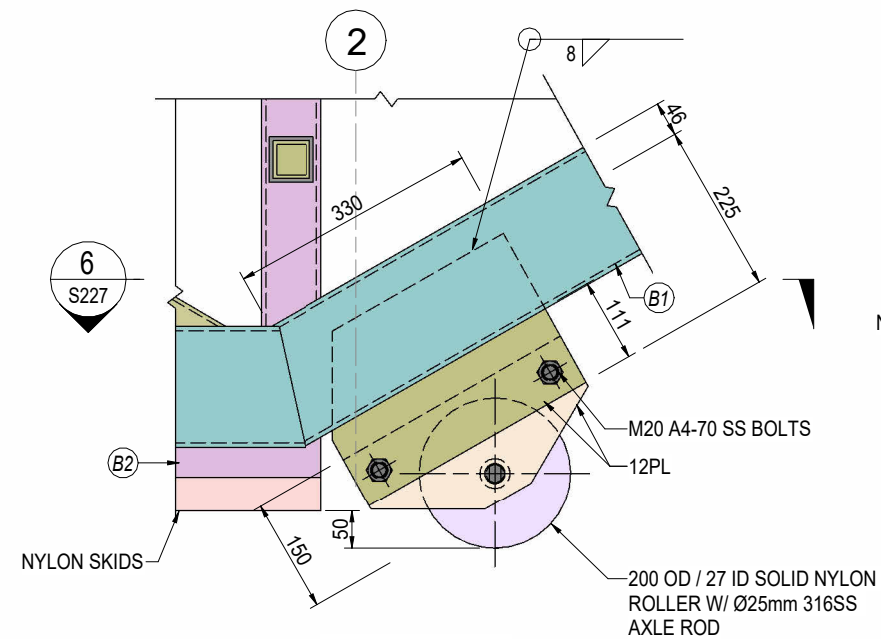
Name: Trudi Smith
Date: 10:48 am, 27/08/2024



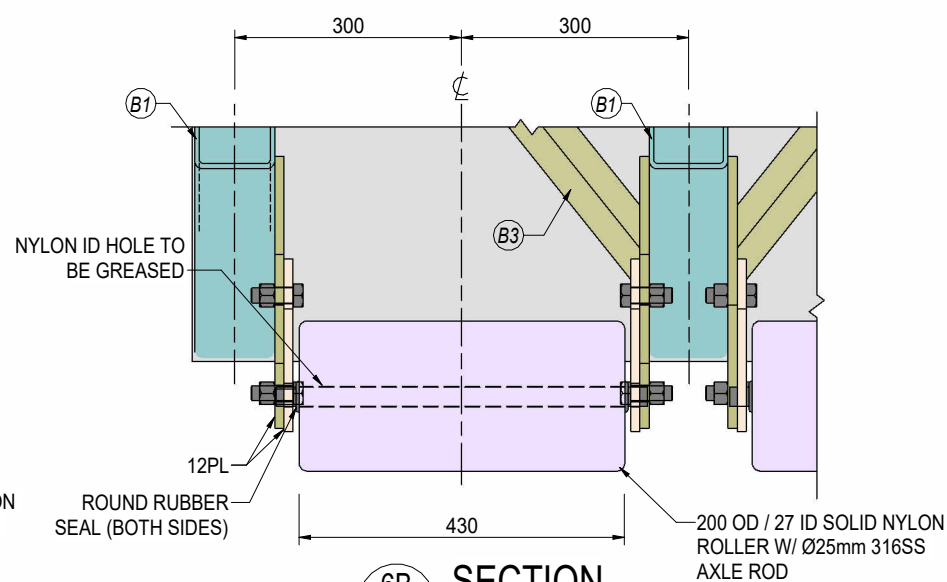
6 PLAN ON CASTOR WHEEL BRACKET
S227 SCALE: 1 : 10



6C ISOMETRIC VIEW
S227 SCALE: NOT TO SCALE



6A ELEVATION
S200 SCALE: 1 : 10



6B SECTION
S227 SCALE: 1 : 10

MEMBER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
B1	ALUMINIUM BEAM: 160x106x6RAD RHS	6082-T5
B2	ALUMINIUM BEAM: 80x80x6 SHS	6082-T5
B3	ALUMINIUM BEAM: 50x50x5 SHS	6060-T5
B4	ALUMINIUM BEAM: 50x50x3 SHS	6063-T5
B5	ALUMINIUM BEAM: 200x120x6RAD RHS	6082-T5
B6	300x180x20PL RHS	TBC
B7	STEEL BEAM: 180UB22.2	GRADE 300
D1	DECK: 4mm ALUMINIUM PL	5083
S1	ROLL OVER MEMBER: HALF 273.1CHS x 12.7	

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY
A	07/02/24	70% DETAILED DESIGN	BH
AMENDMENTS			

FSA CONSULTING ENGINEERS P/L
temporary works | commercial | marine
ABN 68802194425

Unit 12, Tingalpa Central
1631 Wynnum Rd, TINGALPA
PO Box 2282, TINGALPA QLD 4173

Tel. +617 3393 9447
email: admin@fsace.com.au
website: www.fsace.com.au

CLIENT:

Fraser Coast REGIONAL COUNCIL

PROJECT:
FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON
WALKER ST, MARYBOROUGH, QLD, 4650

PROJECT REFERENCE No.: FS3192F

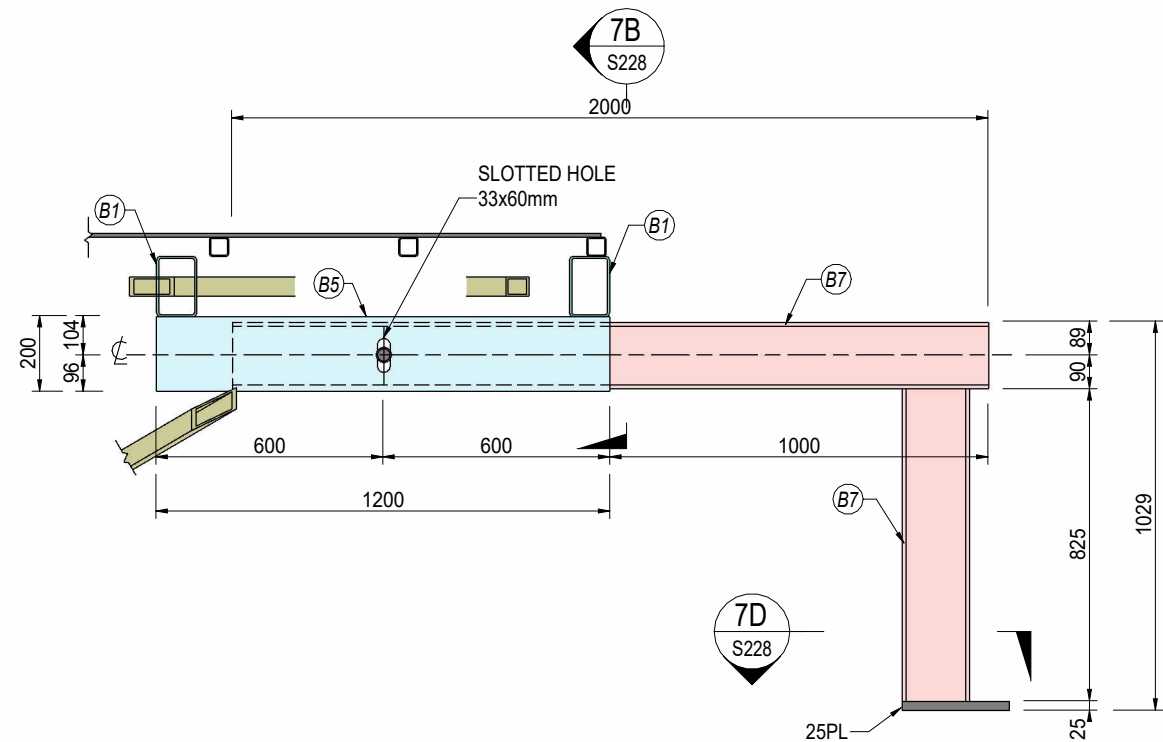
APPROVED BY:

RPEQ: _____
CPEng NER
DATE: _____

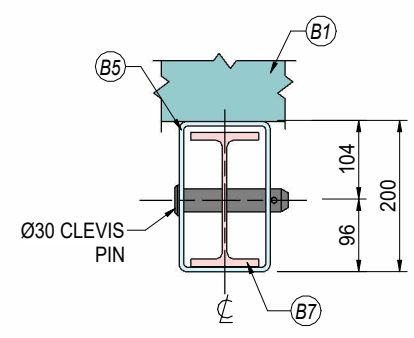
SHEET CONTENTS:
NYLON ROLLER BRACKET DETAILS

DRAWN: BH	DATE: 17/11/23	Q.A. CHECK: PLB	DATE: 07/02/24	SCALE: 1 : 10
DESIGNED: OL	DWG No.: FS3192F - S227	ISSUE TYPE: APPROVAL		

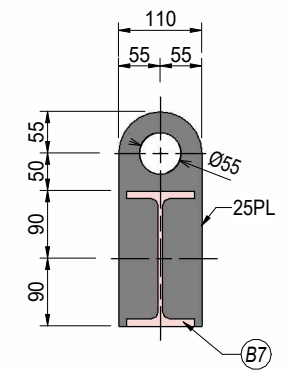
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ISSUE: A



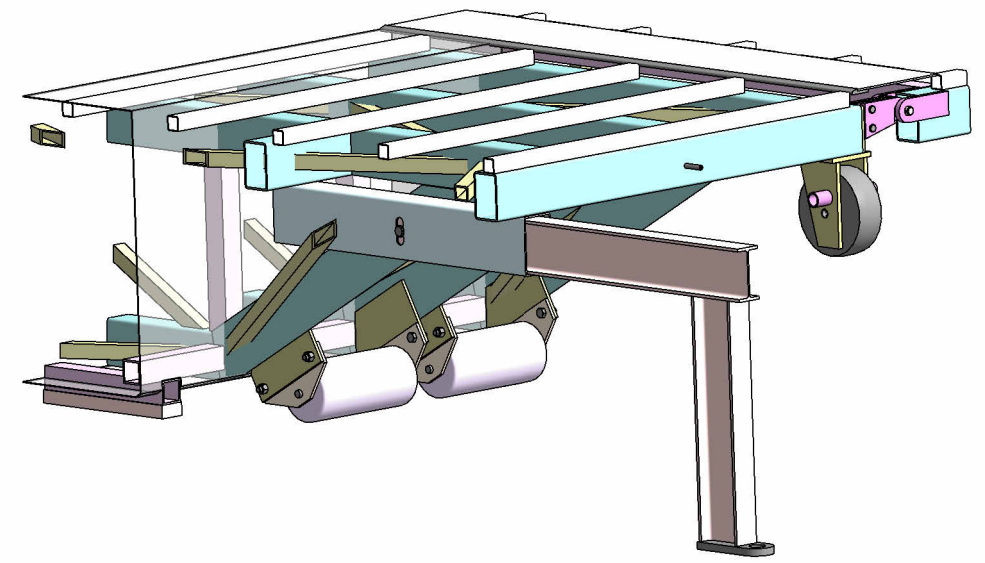
7A ELEVATION
S220 SCALE: 1:20



7B SECTION
S228 SCALE: 1:10



7D SECTION
S228 SCALE: 1:10



7C ISOMETRIC VIEW
S228 SCALE: NOT TO SCALE

MEMBER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
B1	ALUMINIUM BEAM: 160x106x6RAD RHS	6082-T5
B2	ALUMINIUM BEAM: 80x80x6 SHS	6082-T5
B3	ALUMINIUM BEAM: 50x50x5 SHS	6060-T5
B4	ALUMINIUM BEAM: 50x50x3 SHS	6063-T5
B5	ALUMINIUM BEAM: 200x120x6RAD RHS	6082-T5
B6	300x180x20PL RHS	TBC
B7	STEEL BEAM: 180UB22.2	GRADE 300
D1	DECK: 4mm ALUMINIUM PL	5083
S1	ROLL OVER MEMBER: HALF 273.1CHS x 12.7	

GPC Gladstone Ports Corporation

APPROVED

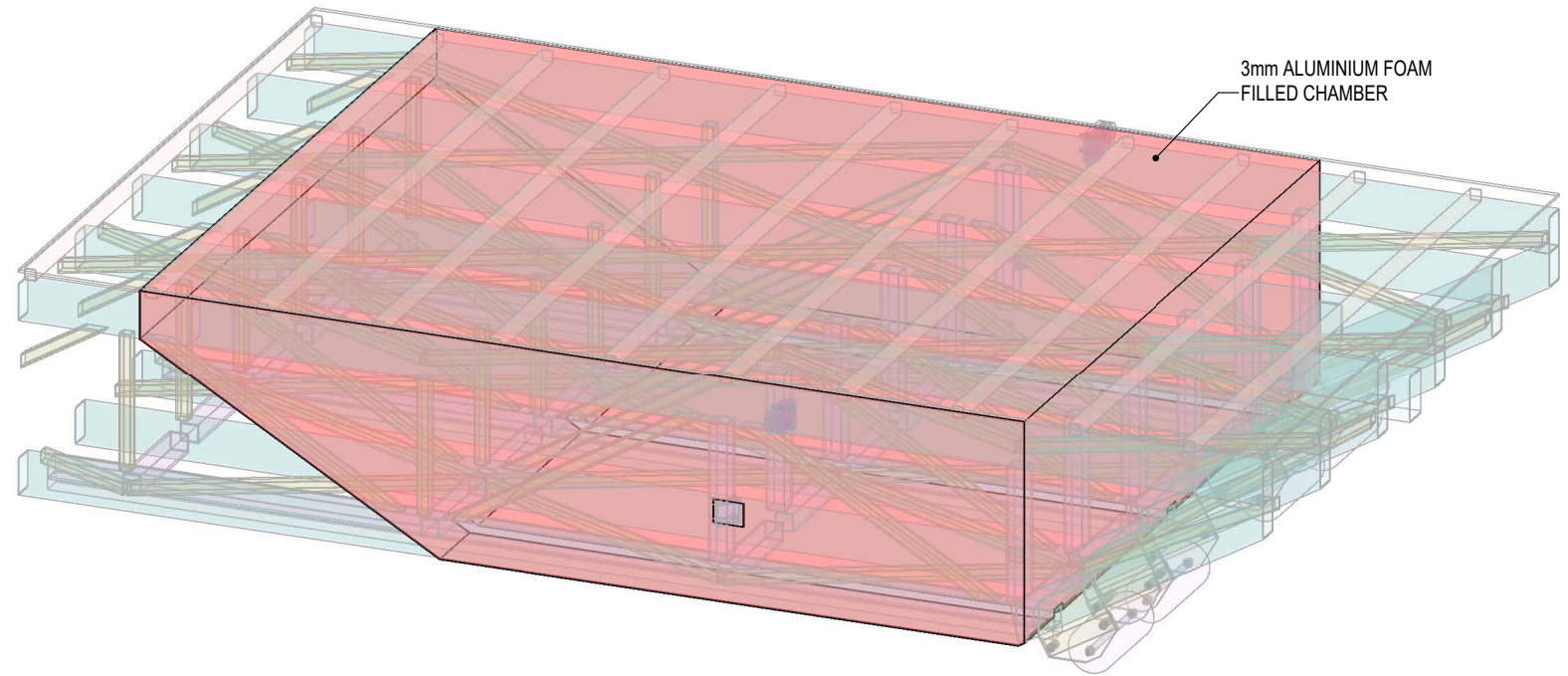
Name: Trudi Smith
Date: 10:49 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION PRINT IN COLOUR

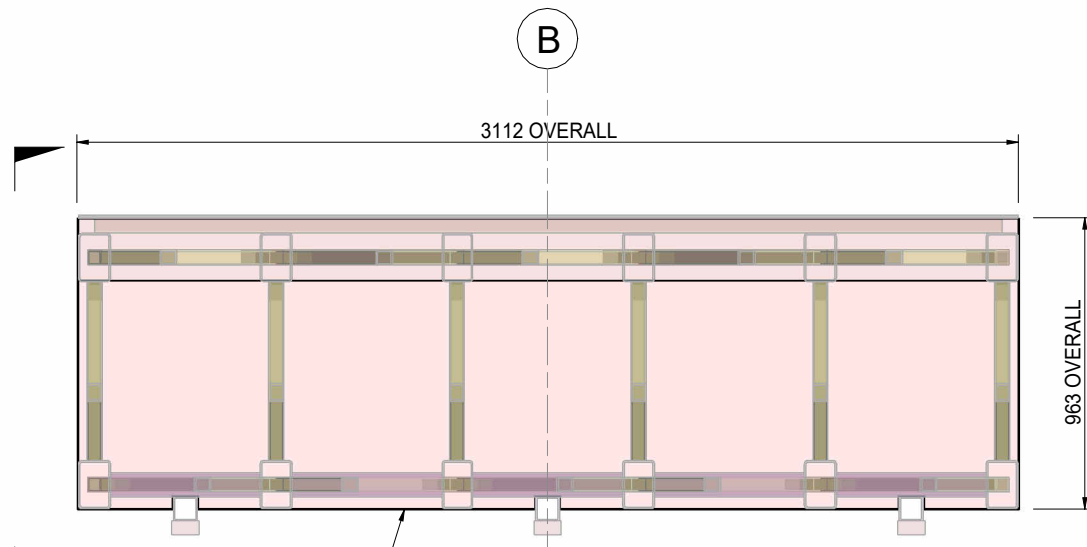
<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425</p> <p>Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p> <p>Tel. +617 3393 9447 email: admin@fsace.com.au website: www.fsace.com.au</p>		<p>CLIENT:</p> <p>Fraser Coast REGIONAL COUNCIL</p>	<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>	<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER _____ DATE: _____</p>	<p>SHEET CONTENTS:</p> <p>TOW BAR DETAIL</p> <p>DRAWN: BH DATE: 17/11/23 Q.A. CHECK: PLB DATE: 07/02/24 SCALE: As indicated DESIGNED: OL DWG No.: FS3192F - S228 ISSUE TYPE: APPROVAL</p>	<p>SHEET SIZE: A3</p> <p>ISSUE: A</p>
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ISSUE	DATE	DESCRIPTION	BY
A	07/02/24	70% DETAILED DESIGN	BH
AMENDMENTS			



3mm ALUMINIUM FOAM FILLED CHAMBER

9A ISOMETRIC VIEW
SCALE: NOT TO SCALE



B

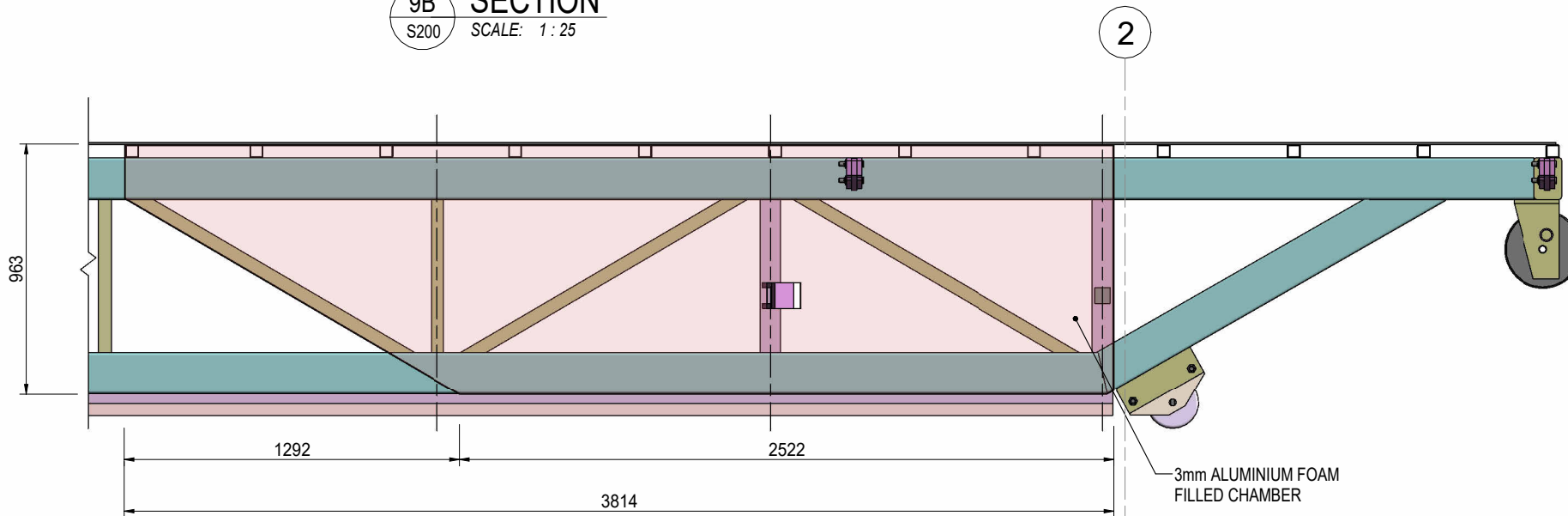
3112 OVERALL

963 OVERALL

3mm ALUMINIUM FOAM FILLED CHAMBER

9C
S229

9B SECTION
SCALE: 1 : 25



2

3mm ALUMINIUM FOAM FILLED CHAMBER

9C SECTION
SCALE: 1 : 25

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY
A	07/02/24	70% DETAILED DESIGN	BH
AMENDMENTS			



FSA CONSULTING ENGINEERS P/L
temporary works | commercial | marine
ABN 68802194425
Unit 12, Tingalpa Central
1631 Wynnum Rd, TINGALPA
PO Box 2282, TINGALPA QLD 4173
Tel. +617 3393 9447
email: admin@fsace.com.au
website: www.fsace.com.au

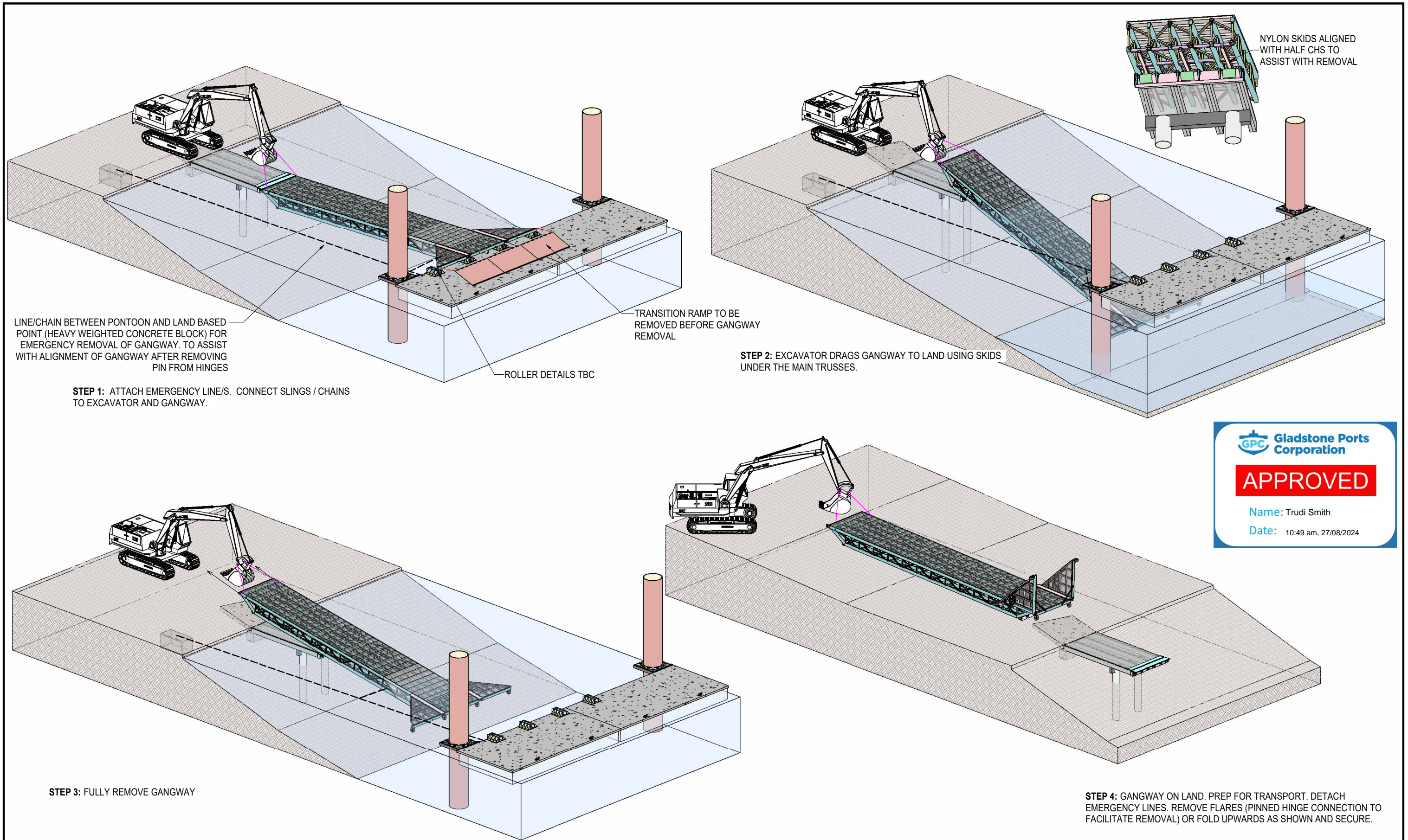


CLIENT:
PROJECT:
FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON
WALKER ST, MARYBOROUGH, QLD, 4650
PROJECT REFERENCE No.: FS3192F

APPROVED BY:
RPEQ:
CPEng NER
DATE:

SHEET CONTENTS:					
GANGWAY FLOTATION DETAILS					
DRAWN:	DATE:	Q.A. CHECK:	PLB	DATE:	SCALE:
BH	17/11/23	PLB		07/02/24	1 : 25
DESIGNED:	DWG No.:	ISSUE TYPE:			
OL	FS3192F - S229	APPROVAL			

SHEET SIZE:
A3
ISSUE:
A



Gladstone Ports Corporation

APPROVED

Name: Trudi Smith
Date: 10:49 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

ISSUE		DATE		DESCRIPTION		BY	
A		07/02/24		70% DETAILED DESIGN		BH	
AMENDMENTS							

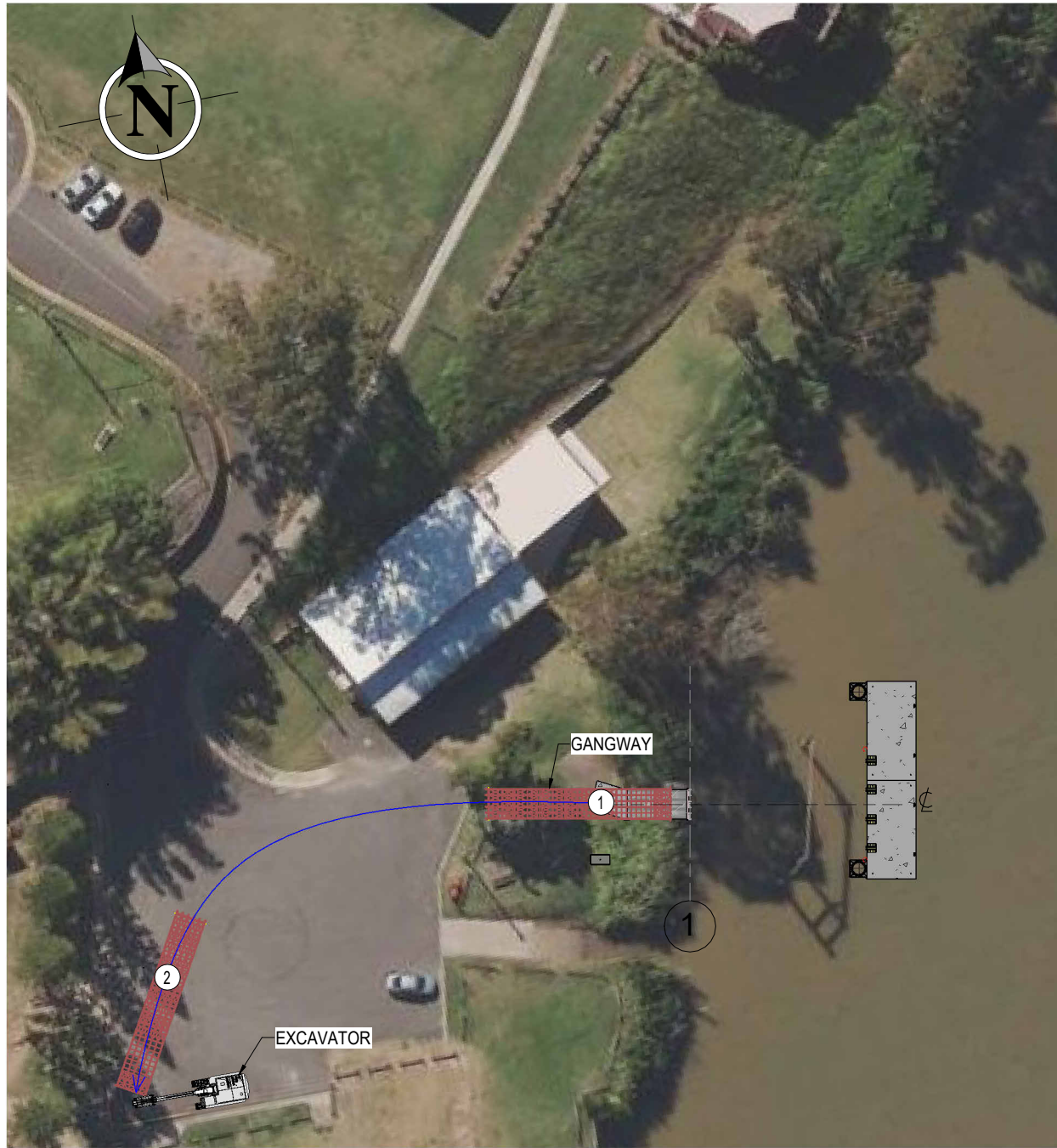
<p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425</p> <p>Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p>	<p>CLIENT:</p>	<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>	<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER _____ DATE: _____</p>	<p>SHEET CONTENTS:</p> <p>GANGWAY REMOVAL SEQUENCE SHEET 1 OF 5</p>	<p>SHEET SIZE:</p> <p>A3</p>

DRAWN:	BH	DATE:	17/11/23	Q.A. CHECK:	PLB	DATE:	07/02/24	SCALE:	1 : 1
DESIGNED:	OL	DWG No.:	FS3192F - S240	ISSUE TYPE: APPROVAL					

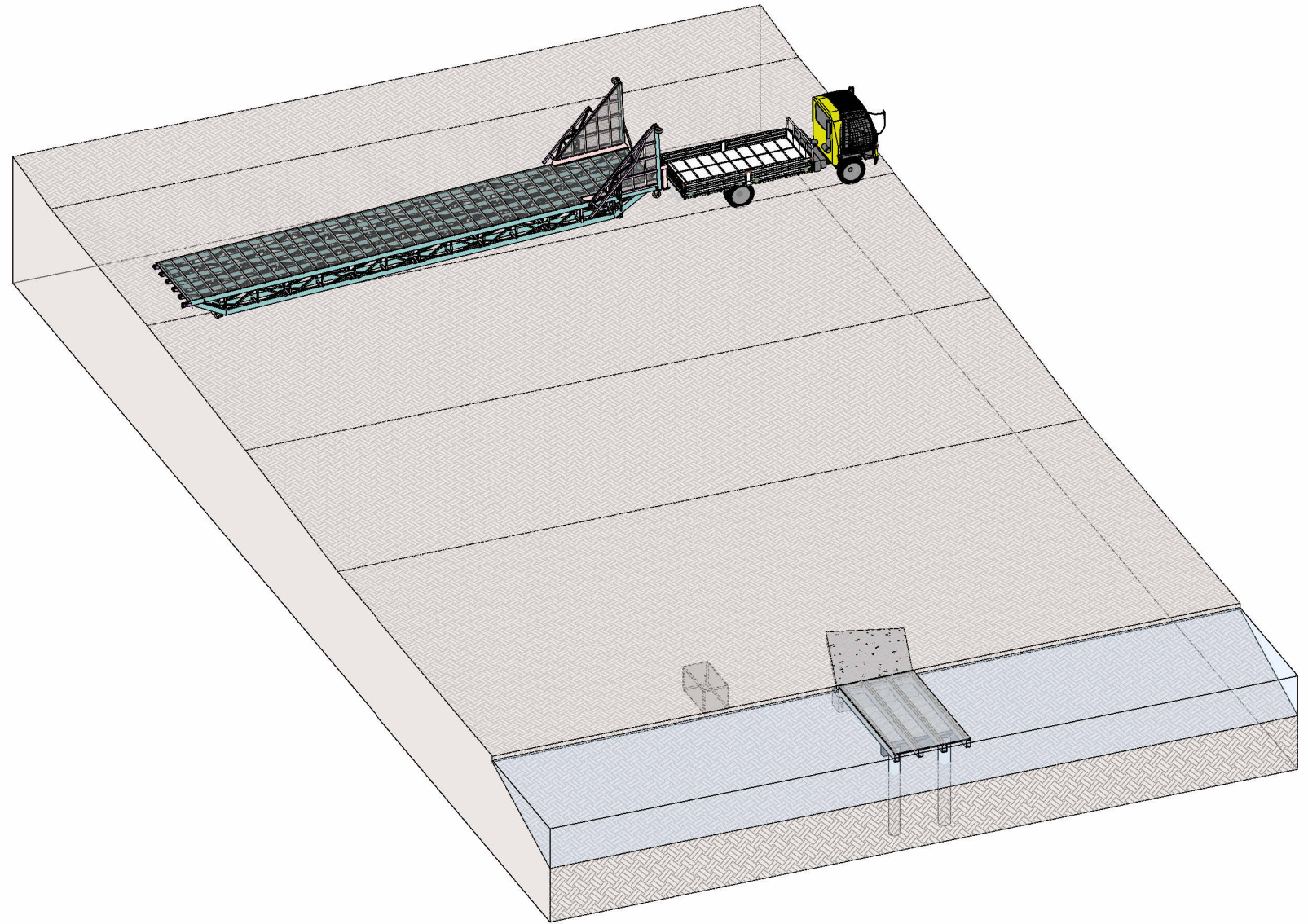
GPC Gladstone Ports Corporation

APPROVED

Name: Trudi Smith
Date: 10:49 am, 27/08/2024



STEP 5: EXCAVATOR TO ASSIST WITH POSITIONING OF GANGWAY TO ACHIEVE MOST EFFICIENT EXTRACTION PATH. INSERT TOW BAR INTO RHS SLEEVE AND SECURE WITH CLEVIS PIN.

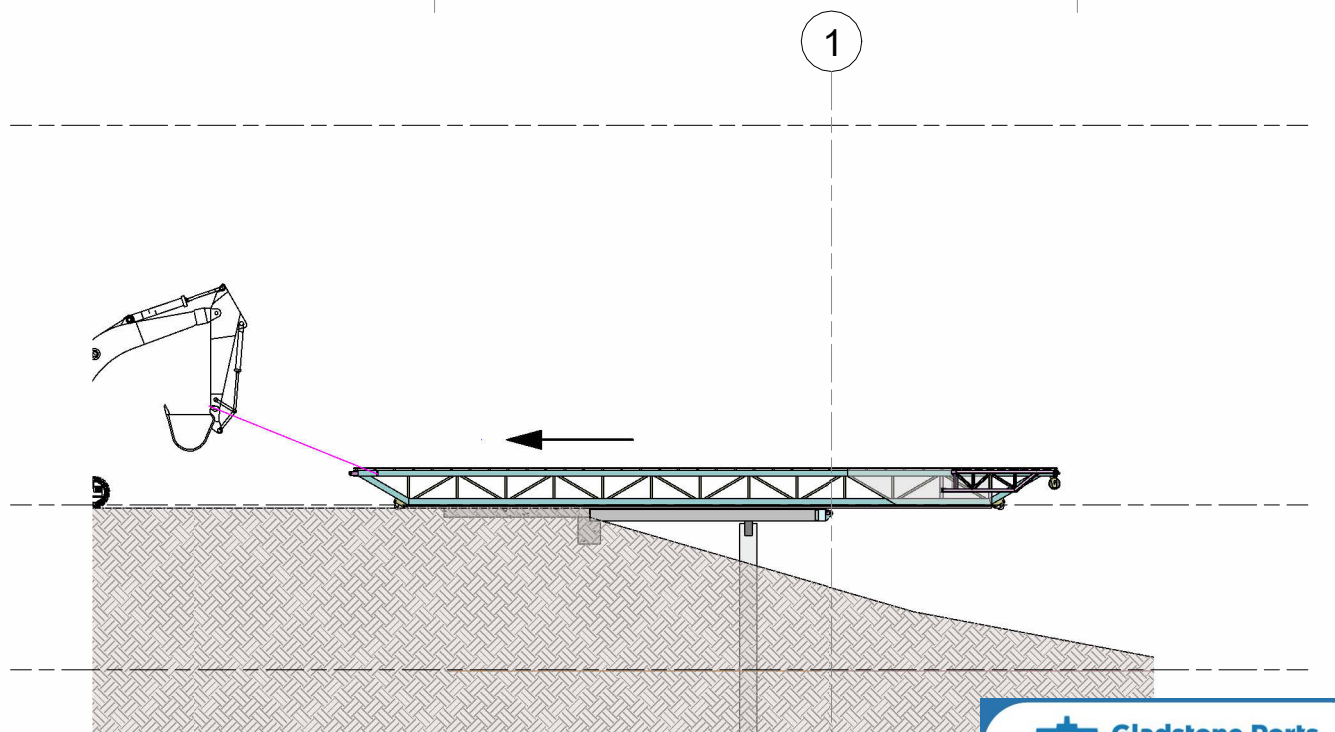
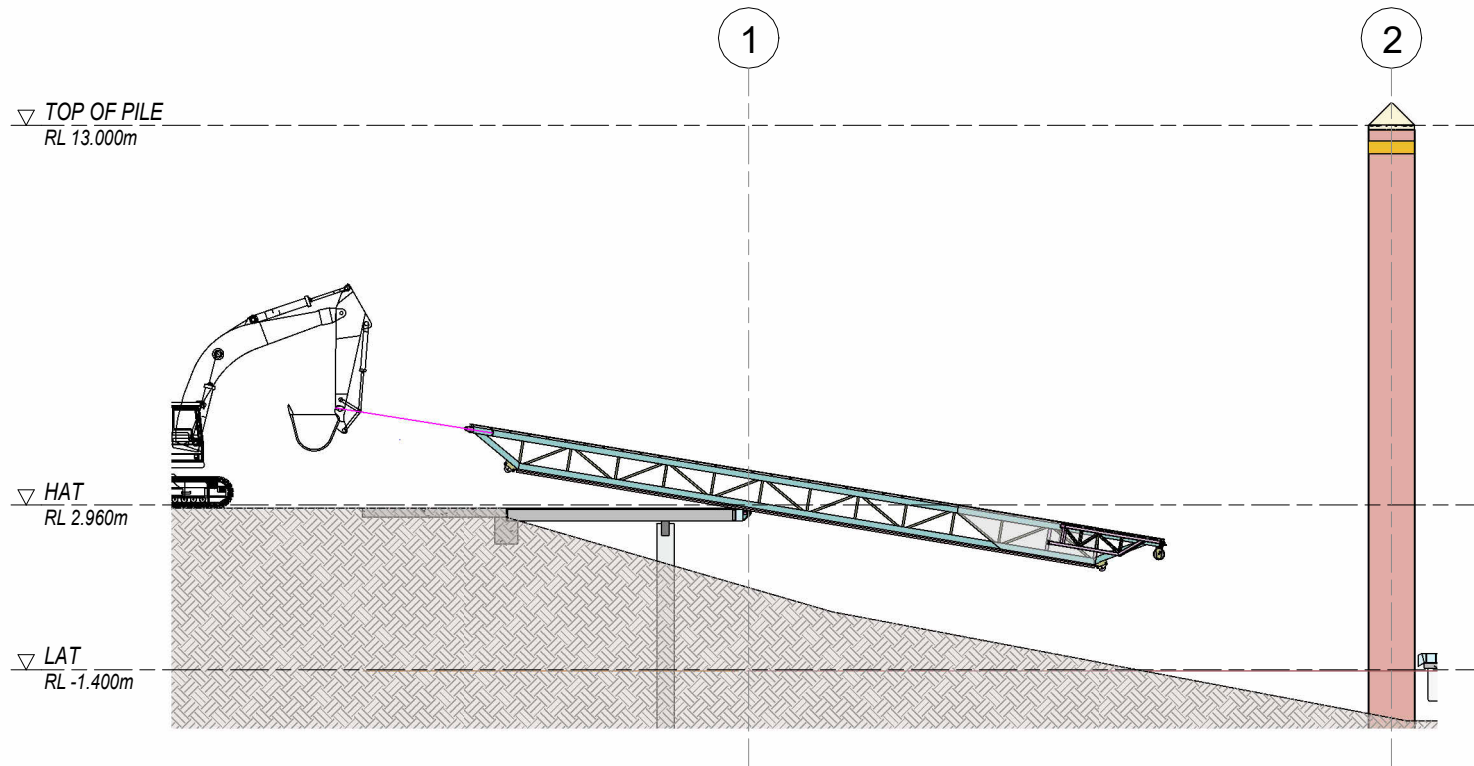
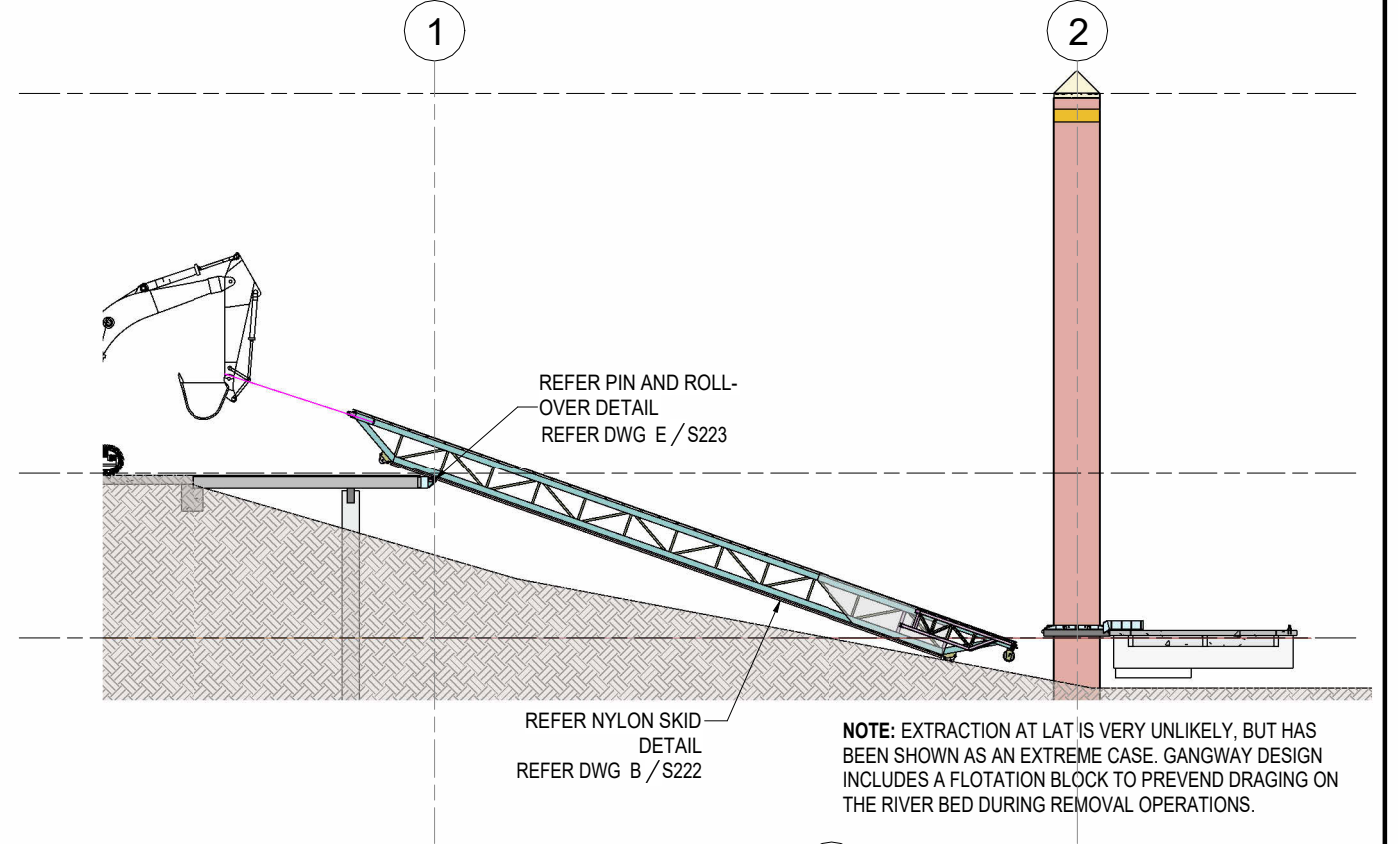
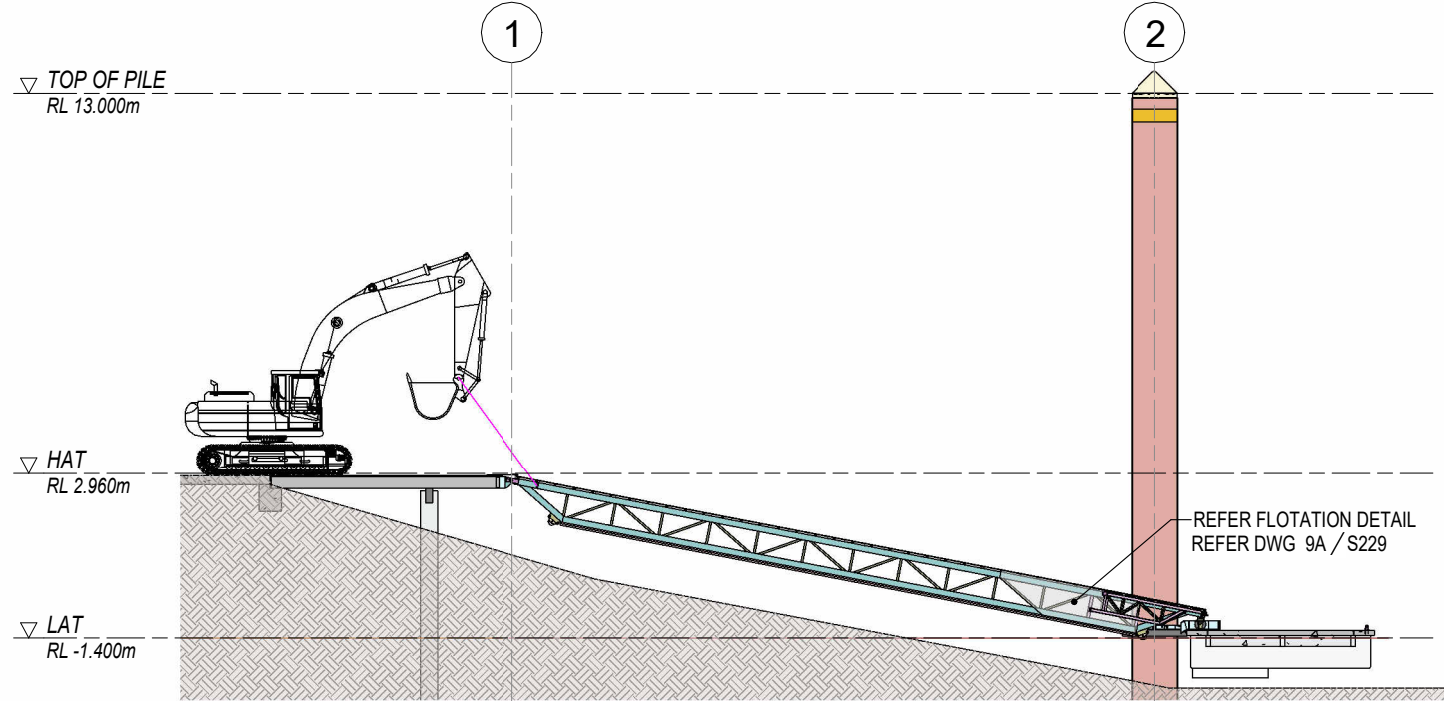


STEP 6: TRANSPORT GANGWAY TO HIGHER GROUND. ASSUMED VEHICLE: LIGHT TRUCK >4.5t TOWING CAPACITY

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

NOT FOR CONSTRUCTION | PRINT IN COLOUR

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ISSUE	DATE	DESCRIPTION	BY										
A	07/02/24	70% DETAILED DESIGN	BH										
AMENDMENTS													



NOTE: THE GANGWAY WILL BE MOVED / DRAGGED ONTO THE JETTY. SKIDS ARE PERMANENTLY INSTALLED UNDER THE TRUSS BOTTOM CHORDS.

Gladstone Ports Corporation

APPROVED

Name: Trudi Smith
Date: 10:49 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY
A	07/02/24	70% DETAILED DESIGN	BH
AMENDMENTS			



FSA CONSULTING ENGINEERS P/L
temporary works | commercial | marine
ABN 68802194425

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email: admin@fsace.com.au
website: www.fsace.com.au

CLIENT:

PROJECT:
FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON
WALKER ST, MARYBOROUGH, QLD, 4650

PROJECT REFERENCE No.: FS3192F

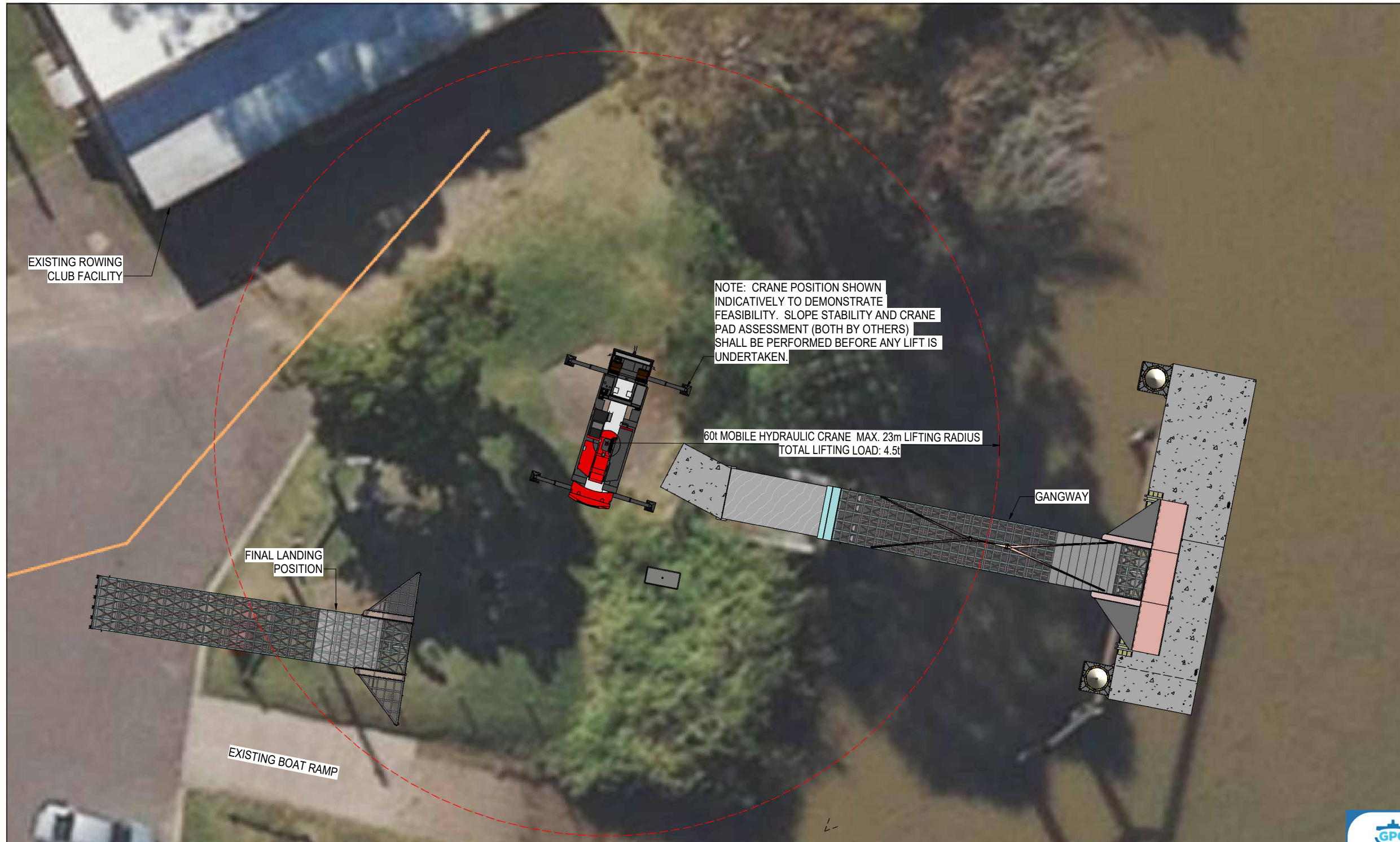
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RPEQ: _____
CPEng NER _____
DATE: _____

SHEET CONTENTS:
GANGWAY REMOVAL SEQUENCE SHEET 3 OF 5

DRAWN: BH	DATE: 17/11/23	Q.A. CHECK: PLB	DATE: 07/02/24	SCALE: 1 : 200
DESIGNED: OL	DWG No.: FS3192F - S242	ISSUE TYPE: APPROVAL		

SHEET SIZE: A3
ISSUE: A



10 GANGWAY EXTRACTION ALTERNATE OPTION
 S243 SCALE: 1 : 250

GPC Gladstone Ports Corporation
APPROVED
 Name: Trudi Smith
 Date: 10:50 am, 27/08/2024

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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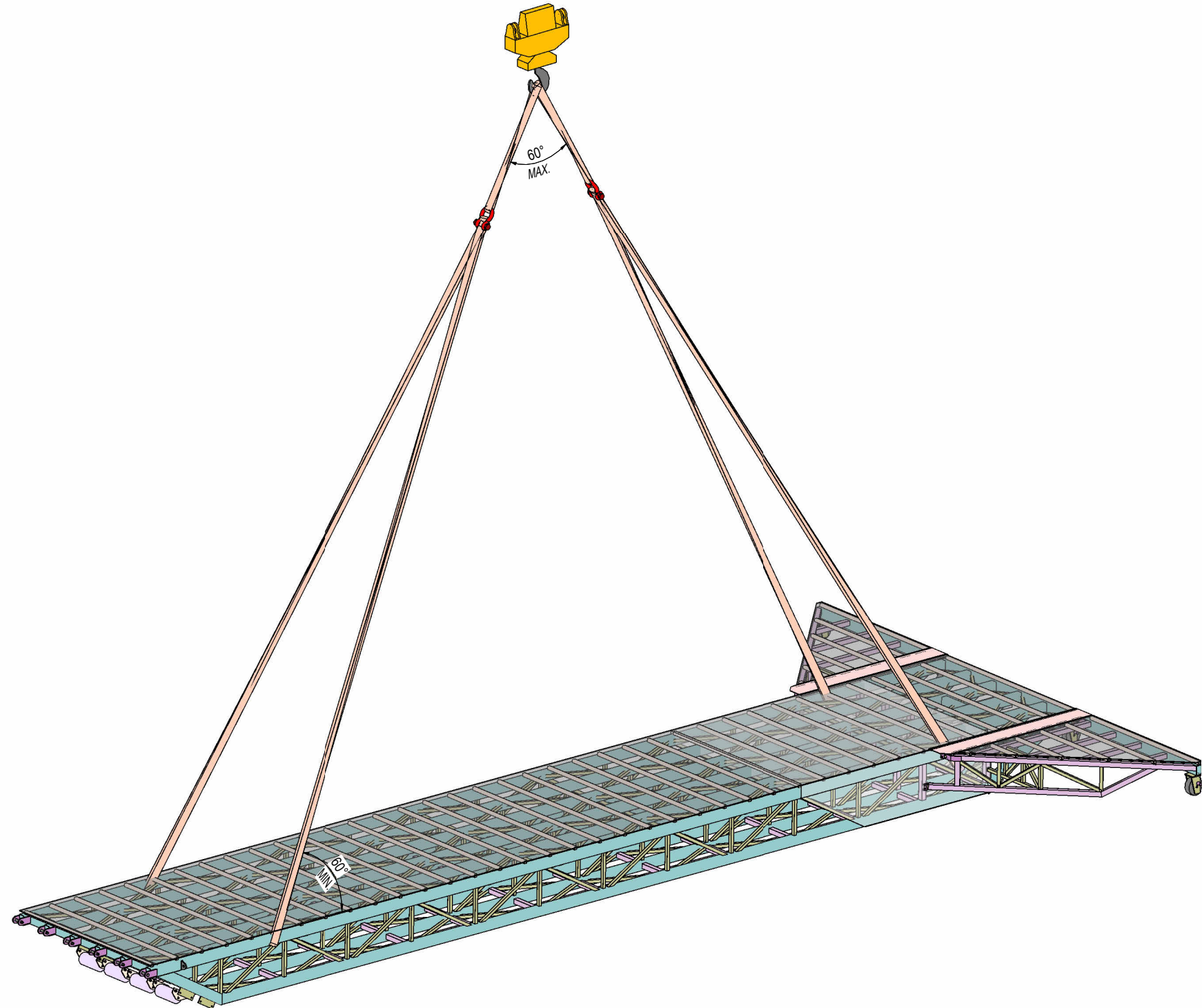
FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425 Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173		CLIENT: Fraser Coast REGIONAL COUNCIL		PROJECT: FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650 PROJECT REFERENCE No.: FS3192F		APPROVED BY: RPEQ: CPEng NER DATE:		SHEET CONTENTS: GANGWAY REMOVAL SEQUENCE SHEET 4 OF 5			SHEET SIZE: A3
ISSUE	DATE	DESCRIPTION	BY	ISSUE	DATE	DESCRIPTION	BY	DATE	SCALE	ISSUE TYPE	ISSUE
A	07/02/24	70% DETAILED DESIGN	BH		17/11/23	PLB	PLB	07/02/24	1 : 250	APPROVAL	A
AMENDMENTS				DESIGNED:	DWG No.:	FS3192F - S243					

60t MOBILE HYDRAULIC CRANE ALLOWABLE LOADING:
 • GANGWAY SELF-WEIGHT: 4.0t
 • GROSS LIFTING LOAD: 4.5t
 (ADDITIONAL 10% CONTIGENCY FOR RIGGING)
 • 60° SLING ANGLE

GPC Gladstone Ports Corporation

APPROVED

Name: Trudi Smith
 Date: 10:50 am, 27/08/2024

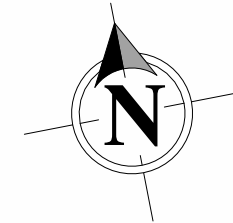


10A LIFTING CONFIGURATION ISOMETRIC
 S244 SCALE:

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY																					
A	07/02/24	70% DETAILED DESIGN	BH																					
AMENDMENTS																								
DRAWN: BH DESIGNED: OL		DATE: 17/11/23 DWG No.: FS3192F - S244	Q.A. CHECK: PLB DATE: 07/02/24	SCALE: APPROVAL																				



NOTE:
REFER STEP 5 ON SHEET S241 FOR GANGWAY EXTRACTION PROCESS WITH ASSISTANCE FROM EXCAVATOR FROM RIVER BANK TO POINT 1. IN PARKING AREA.

1 S246
1 S245
GANGWAY TRANSPORT SWEEP PATH
SCALE: 1 : 500

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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ISSUE	DATE	DESCRIPTION	BY
A	07/02/24	70% DETAILED DESIGN	BH
AMENDMENTS			



FSA CONSULTING ENGINEERS P/L
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email: admin@fsace.com.au
website: www.fsace.com.au

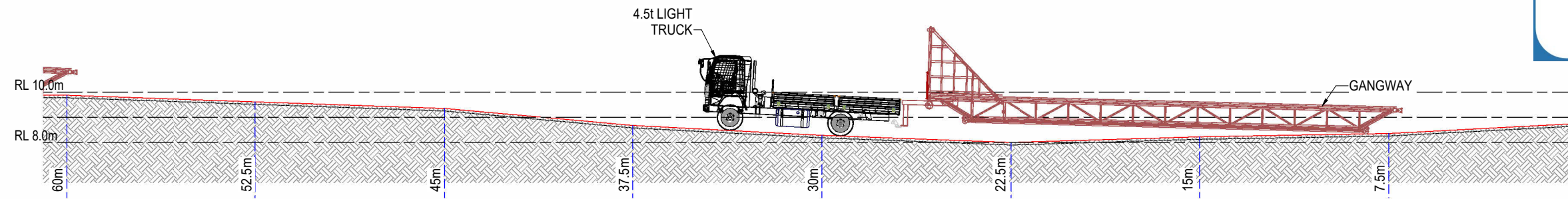


PROJECT:
FRASER COAST REGIONAL COUNCIL
WIDE BAY ROWING CLUB PONTOON
WALKER ST, MARYBOROUGH, QLD, 4650
PROJECT REFERENCE No.: FS3192F

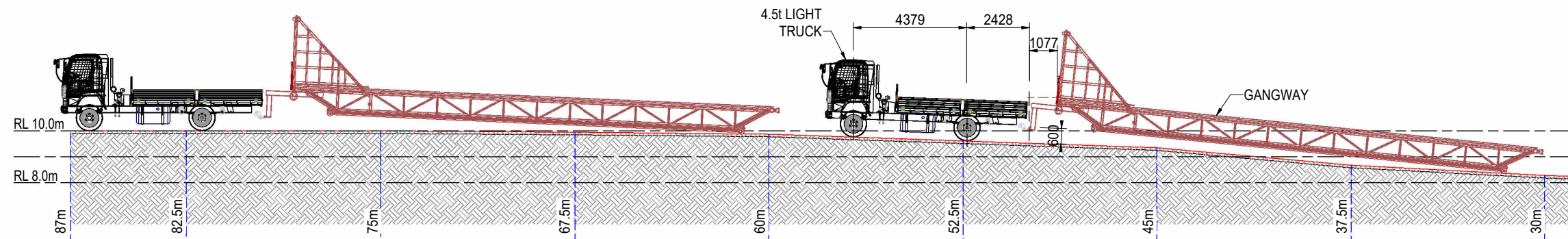
APPROVED BY:
RPEQ: _____
CPEng NER
DATE: _____

SHEET CONTENTS:					
GANGWAY TRANSPORT SWEEP PATH					
DRAWN:	DATE:	Q.A. CHECK:	DATE:	SCALE:	SHEET SIZE:
BH	17/11/23	PLB	07/02/24	1 : 500	A3
DESIGNED:	DWG No.:	ISSUE TYPE:			
OL	FS3192F - S245	APPROVAL			

ISSUE:
A



1 VERTICAL CLEARANCE ASSESSEMENT SECTION 1
S246 SCALE: 1 : 200



2 VERTICAL CLEARANCE ASSESSEMENT SECTION 2
S246 SCALE: 1 : 200

NOTE: 1. REFER SHEETS S002 TO S004 FOR PROJECT NOTES.

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				 <p>FSA CONSULTING ENGINEERS P/L temporary works commercial marine ABN 68802194425 Unit 12, Tingalpa Central 1631 Wynnum Rd, TINGALPA PO Box 2282, TINGALPA QLD 4173</p>	<p>CLIENT:</p>  <p>Fraser Coast REGIONAL COUNCIL</p>	<p>PROJECT:</p> <p>FRASER COAST REGIONAL COUNCIL WIDE BAY ROWING CLUB PONTOON WALKER ST, MARYBOROUGH, QLD, 4650</p> <p>PROJECT REFERENCE No.: FS3192F</p>	<p>APPROVED BY:</p> <p>RPEQ: _____ CPEng NER DATE: _____</p>	<p>SHEET CONTENTS:</p> <p>GANGWAY TRANSPORT VERTICAL CLEARANCE ASSESSMENT</p>				<p>SHEET SIZE: A3</p> <p>ISSUE: A</p>
ISSUE	DATE	DESCRIPTION	BY					<p>DRAWN: BH</p> <p>DESIGNED: OL</p>	<p>DATE: 17/11/23</p> <p>DWG No.: FS3192F - S246</p>	<p>Q.A. CHECK: PLB</p> <p>ISSUE TYPE: APPROVAL</p>	<p>DATE: 07/02/24</p> <p>SCALE: 1 : 200</p>	