

8 September 2022

Kylee Lockwood
Gladstone Ports Corporation
40 Goondoon Street
GLADSTONE QLD 4680

Email: lockwoodk@gpcl.com.au and dwaneg@gpcl.com.au

Dear Ms Lockwood

DECISION NOTICE - CHANGE APPLICATION FOR MINOR CHANGE – DA2022/13/01

(GIVEN UNDER S83 PLANNING ACT 2016)

GPC as the Assessment Manager (responsible entity) has agreed to make the change to the development approval as requested. Find attached the Decision Notice for the Minor Change Application DA2022/13/01, for the following development:

1. Description Of Proposed Development

Change Application for Minor Change to development approval for Operational work for tidal work or work within a coastal management district – Expansion of RGTCT Coal Wharf for Port Related Industry (DA2005/04).

2. Changed Conditions

The following conditions have been amended:

Attachment 1. Conditions of Approval

~~2. Concurrence Agency – Ecoaccess
Refer Notice of Decision – Concurrence Agency Response dated 8 July 2005~~

Referral Agency – State Assessment and Referral Agency (SARA)
Refer letter dated 16 May 2022 (attached)

3. Changed Approved Plans/Drawings/Specifications

The following drawings have been added to the list of Approved Plans:

Drawing/report title	Prepared by	Date	Reference no.	Version
Aspect of development: Port Application				
RG Tanna Coal Terminal Berth No. 4 Expansion Project – General Arrangement	Connell Hatch	01/07/2021	103-00796	2
3.5x2.4m Toilet Block – Floor Plan	Multigrade Building Hire	16/10/2020	SQF-3754-01	A

For further information please contact Trudi Smith, Planning Specialist on 07 4976 1314 or the undersigned, on 07 4976 1287 or via email planning@gpcl.com.au.

Yours sincerely



Erin Clark
Principal Planner
8 September 2022

Enc. Changed Decision Notice DA2022/13/01

7 September 2022

Kylee Lockwood
Gladstone Ports corporation
40 Goondoon Street
GLADSTONE QLD 4680

Email: lockwoodk@gpcl.com.au

Dear Ms Lockwood

DECISION NOTICE – CHANGE APPLICATION FOR MINOR CHANGE – DA2022/13/01
(GIVEN UNDER S83 PLANNING ACT 2016)

This changed decision notice replaces the decision notice dated 20 October 2005 for DA2005/04. Changes shown in ***italicised bold*** font.

1. Application Details

This development application was **properly made** to the Gladstone Ports Corporation Limited on **29 June 2022**.

Application Number:	DA2022/13/01
Applicant Name:	Gladstone Ports Corporation Limited
Applicant Contact Details:	Kylee Lockwood Gladstone Ports Corporation 40 Goondoon Street GLADSTONE QLD 4680 Email: lockwoodk@gpcl.com.au
Approvals Sought:	Change application for a minor change to development approval for Operational work for tidal work or work within a coastal management district – Expansion of RGTCT Coal Wharf for Port Related Industry DA2005/04 (Decided 25/10/2005)
Details of Proposed Development:	Change application to facilitate the upgrade of toilet facilities on the wharf.
Location Street Address:	RG Tanna Coal Terminal GLADSTONE QLD 4680
Location Real Property Description:	Lot 250 SP178316
Land Owner:	Gladstone Ports Corporation Limited Department of Resources
Land Use Plan Precincts:	Wharves, (Off-Shore Precinct)
Present Zoning & Precinct:	Strategic Port Land – Port Industry and Commercial Precinct

2. Details Of Proposed Development

Change application to facilitate the upgrade of toilet facilities on the wharf.

3. Details Of Decision

This development application was **decided** on **20 October 2005** *and the minor change decided on 7 September 2022*.

This development application is **approved in full with conditions**. These conditions are set out in Attachment 1 and are clearly identified to indicate whether the assessment manager or a concurrence agency imposed them.

4. Details Of Approval

This development approval is a **Development Permit** given for:

- a) Change application for a minor change to development approval for Operational work for tidal work or work within a coastal management district – Expansion of RGTCT Coal Wharf for Port Related Industry DA2005/04 (Decided 25/10/2005).

5. Conditions

This development approval is subject to the conditions in the attachments.

6. Further Development Permits

Please be advised that the following development permits are required to be obtained before the development can be carried out:

1. Any Building Work approvals required;
2. Any Plumbing and Drainage Work approvals required.

7. Properly made submissions

Not applicable – No part of the application required public notification.

8. Approved Plans and Specifications –

Copies of the following amended plans, specifications or drawings are enclosed in **Attachment 3**:

Drawing/report title	Prepared by	Date	Reference no.	Version
Aspect of development: Operational works & Port related industry				
<i>RG Tanna Coal Terminal Berth No. 4 Expansion Project – General Arrangement</i>	<i>Connell Hatch</i>	<i>01/07/2021</i>	<i>103-00796</i>	<i>2</i>
<i>3.5x2.4m Toilet Block – Floor Plan</i>	<i>Multigrade Building Hire</i>	<i>16/10/2020</i>	<i>SQF-3754-01</i>	<i>A</i>

9. Currency Period for the Approval

This development approval will lapse **at the end of the periods set out in the original Decision Notice**.

10. Rights of Appeal

No legislated appeal rights are afforded with this decision notice in relation to the Port Application as the application was not made under the provisions of the *Planning Act 2016*.

For further information please contact Trudi Smith, Planning Specialist on 07 4976 1314 or Erin Clark, Principal Planner, on 07 4976 1287 or via email Planning@gpcl.com.au.

Yours sincerely

Erin Clark
Principal Planner

Enc. Attachment 1: Conditions of Approval
Attachment 2: Original approval
Attachment 3: Approved plans and specifications

ATTACHMENT 1: CONDITIONS OF APPROVAL

1. Concurrence Agency – Maritime Safety Queensland
Refer letter dated 19 May 2005 (attached)

2. ~~Concurrence Agency – Ecoaccess~~
~~Refer Notice of Decision – Concurrence Agency Response dated 8 July 2005~~

Referral Agency – State Assessment and Referral Agency (SARA)
Refer letter dated 16 May 2022 (attached)

ATTACHMENT 2: APPROVED PLANS AND SPECIFICATIONS

Drawing/report title	Prepared by	Date	Reference no.	Version
Aspect of development: Port Application				
RGTCT Proposed Beth 4 & Wharf Cross section		06/05/05	806-0030	
RGTCT Berth 4 Expansion – conveyor CC6B – Transfer/Sample Tower Arrangement		09/05/05	103-0940	A
RGTC Berth 4 Expansion - Notes		09/05/05	103-0748	B
RG Tanna Coal Terminal Berth No. 4 Expansion Project – General Arrangement	Connell Hatch	01/07/2021	103-00796	2
3.5x2.4m Toilet Block – Floor Plan	Multigrade Building Hire	16/10/2020	SQF-3754-01	A
RGTCT Berth 4 Expansion – Jerry Loading General Arrangement		09/05/05	103-0751	A
RGTCT Berth 4 Expansion – Deck & Roadway Loading		09/09/05	103-0752	A
RGCTC Berth 4 Expansion – Deck & Roadway Loading		09/09/05	103-0753	A
RGTCT Berth 4 Expansion – Deck design Loads Summary		09/09/05	103-0754	A
RGTCT Berth 4 Expansion – Approach Jerry		09/05/05	103-0759	B
RGTCT Berth 4 Expansion – Approach Jerry – Jetty Bents 1 to J13		09/05/05	103-0765	B
RGTCT Berth 4 Expansion – Existing Wharf Extension		09/05/05	103-0780	A
RGTCT Berth 4 Expansion – Existing Berth 2 Wharf Extension – Wharf Bents 40, 41, 44 - 70		9/05/05	103-0791	B
RGTCT Berth 4 Expansion – Berth 4		09/08/08	103-0796	B
RGTCT Berth 4 Expansion – berth 4 – Berth 4 – Wharf Bents 102, 103, 108 - 127		09/09/05	103-0802	B
RGTCT Berth 4 Expansion – Berthing Dolphins BD30 to BD36		09/05/05	103-0891	B
RGTCT Berth 4 Expansion – Berthing Dolphins BD29, BD37, BD38		09/0/05	103-0894	A
RGTCT Berth 4 Expansion – Conveyor CC6B – Transfer/Sample Tower Arrangement		09/05/05	103-0939	A

Gladstone Ports Corporation Limited

T: +61 7 4976 1333 • Fax: +61 7 4972 3045 • 40 Goondoon St/PO Box 259, Gladstone QLD, 4680, AUSTRALIA • www.gpcl.com.au
ACN 131 965 896 ABN 96 263 788 242



19 May 2005

Maritime Safety
Queensland

Central Qld Ports Authority
Port of Gladstone
PO Box 259
GLADSTONE Q 4680

Queensland Transport

Dear Sir

Tidal Works Application

Proposed jetty construction – RGTCT 4th berth and approach jetty

As a concurrence agency, Maritime Safety Queensland has no objection to the proposal provided the following navigation and marine safety conditions are addressed.

1. The berth and approach jetty must be built according to Drawing No.'s 103-0749 Rev. F, 806-0030, Survey Plan SP178316 received 9th May 2005.
2. The berth and approach jetty and all freestanding piles must be lit and clearly visible to approaching vessels. All lighting must be positioned so it does not cause a risk to the safe navigation of other vessels.
3. Any obstructions and debris encountered during construction must be disposed of at your own cost.
4. The applicant or his agent are responsible for the removal of any existing structure and must ensure all works, including debris containment, removal and disposal, do not compromise or impede safe navigation.
5. Any ships and equipment you or your agent use must comply with the *Transport Operations (Marine Safety) Act 1994*, the *Transport Operations (Marine Safety) Regulation 2004* and the *Transport Operations (Marine Pollution) Act 1995*, the *Transport Operations (Marine Pollution) Regulation 1995*.
6. Any ships using this structure must comply with the *Transport Operations (Marine Safety) Act 1994* and the *Transport Operations (Marine Safety) Regulation 2004*.

Maritime Safety Queensland
PO Box 123
Level 2, 136 Goondoon Street GLADSTONE Q 4680
ABN 13 200 330 520

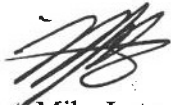
Our ref 740/31 P11647
Your ref EPA no. 260882
Enquiries Cyndy Howard
Telephone +61 7 4973 1200
Facsimile +61 7 4972 5520
Website www.transport.qld.gov.au/maritime

7. Any ship moored at this berth must not impede the safe navigation of other ships or restrict safe access to or from neighbouring structures.
8. The contractor must construct this berth and approach jetty within two years from the date of approval. If construction is not completed, you will need additional or amended comments from the Regional Harbour Master.

Maritime Safety Queensland does not need to be further consulted if all of the above conditions are met.

We will send a copy of this letter to John Harden, Environmental Protection Agency.

Yours sincerely



Capt. Mike Lutze

Regional Harbour Master (Gladstone)



Our reference: 2203-27990 SPD

16 May 2022

Gladstone Ports Corporation Limited
40 Goonoon Street, PO Box 259
GLADSTONE QLD 4680
LockwoodK@gpcl.com.au

Attention: Mrs Kylee Lockwood

Dear Mrs Lockwood

Decision notice—change application

(Given under section 83 of the *Planning Act 2016*)

Your change application under section 78 of the *Planning Act 2016* for the development approval (reference 2005/04) dated 20 October 2005 was made to the State Assessment and Referral Agency (SARA) on 7 April 2022.

Decision for change application

Date of decision:	16 May 2022
Decision details:	Make the change and impose development conditions

The changes agreed to are:

1. Addition of a toilet (WC) to the wharf and RG Tanna Coal Terminal

For further information please contact Carl Porter, Principal Planning Officer, on 07 4924 2918 or via email RockhamptonSARA@dasilgp.qld.gov.au who will be pleased to assist.

Yours sincerely

A handwritten signature in black ink, appearing to read "Luke Lankowski".

Luke Lankowski
Manager, Planning – Wide Bay Burnett

cc Port of Gladstone Ports Corporation Limited, planning@gpcl.com.au
Gladstone Regional Council, info@gladstone.qld.gov.au
enc Referral agency response showing the change



Changed referral agency response

Our reference: 2203-27990 SPD

Referral agency response—with conditions

(Given under section 56 of the *Planning Act 2016*)

Date of original response: 8 July 2005
 Original reference: IPCC00194305J11

The development application described below was properly referred to the (former) Environmental Protection Agency on 3 June 2005.

Applicant details

Applicant name: Central Queensland Port Authority
 Applicant contact details: PO Box 259 GLADSTONE QLD 4680

Location details

Street address: RG Tanna Coal Terminal
 Real property description: Lot 250 SP178316
 Local government area: Gladstone Regional Council

Application details

Development permit	Operational works that is tidal works involving <ul style="list-style-type: none"> • Extension of the existing wharf for construction of a fourth berth • Construction of a new approach jetty • Widening of the existing wharf (berths 2 and 3) • Construction of a temporary loadout facility • <u>Construction of a toilet block on the wharf (subject of current minor change application)</u>
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Referral triggers

The development application was referred to the Environmental Protection Agency under the following provisions of the *Integrated Planning Regulation 1998*:
 Schedule 2, Table 2, Item 12 - Tidal work, or development in a coastal management district

Conditions

Under section 56(1)(b)(i) of the *Planning Act 2016* (the Act), the conditions set out in Attachment 1 must be attached to any development approval.

Reasons for decision to impose conditions

The State Assessment and Referral Agency (SARA) must set out the reasons for the decision to impose conditions. These reasons are set out in Attachment 2.

Approved plans and specifications

SARA requires that the plans and specifications set out below and enclosed must be attached to the development approval *in addition to those in the original referral response reference IPCC00194305J11, dated 8 July 2005.*

Drawing/report title	Prepared by	Date	Reference no.	Version/issue
Aspect of development: Operational works that is tidal works				
<u>R.G. TANNA COAL TERMINAL BERTH NO.4 EXPANSION PROJECT GENERAL ARRANGEMENT</u>	<u>Connell Hatch</u>	<u>01.07.21</u>	<u>103-00796</u>	<u>2</u>
<u>3.5x2.4m TOILET BLOCK - FLOOR PLAN</u>	<u>Multitrade Building Hire</u>	<u>16/10/20</u>	<u>SQF-3754-01</u>	<u>A</u>

- enc Attachment 1—Changed conditions to be imposed
Attachment 2—Changed reasons for decision to impose conditions
Attachment 3—Original referral response and conditions reference IPCC00194305J11, dated 8 July 2005
Attachment 4—Approved plans and specifications
Attachment 5—Appeal provisions

Attachment 1—Changed conditions to be imposed

No.	Conditions of development approval	Condition timing
Operational work that is tidal works		
Schedule 10, Part 17, division 3, table 1 (Planning Regulation 2017)—Operational work that is tidal works or work in a coastal management district—The chief executive administering the <i>Planning Act 2016</i> nominates the Director-General of Department of Environment and Science to be the enforcement authority for the development to which this development approval relates for the administration and enforcement of any matter relating to the following condition(s):		
1.	<p><u>The proposed works must be carried out generally in accordance with the following plans:</u></p> <ul style="list-style-type: none"> • <u>R.G. Tanna Coal Terminal Berth No.4 Expansion Project General Arrangement prepared by Connell Hatch dated 01.07.21 reference 103-00796 revision 2.</u> • <u>3.5x2.4m TOILET BLOCK – FLOOR PLAN prepared by Multitrade Building Hire dated 16/10/20 reference SQF-3754-01 revision A.</u> <p><i>Condition added 16 May 2022</i></p>	<u>For the duration of works</u>
2.	<p><u>For the proposed works, only use clean materials and ensure that the works do not cause contamination</u></p> <p><i>Condition added 16 May 2022</i></p>	<u>For the duration of works</u>
3.	<p><u>Should the toilet facility collapse, fail or otherwise suffer structural consequences which impact their integrity or ability to function as intended, the works must be:</u></p> <p><u>(a) reinstated in accordance with this development approval</u></p> <p><u>(b) removed and disposed of at an appropriately licensed facility.</u></p> <p><i>Condition added 16 May 2022</i></p>	<u>As soon as reasonably practicable subsequent to the damage</u>
4.	<p><u>Submit “As Constructed drawings” to palm@des.qld.gov.au or mail to:</u></p> <p style="text-align: center;"><u>Department of Environment and Science</u></p> <p style="text-align: center;"><u>Permit and Licence Management</u></p> <p style="text-align: center;"><u>Implementation and Support Unit</u></p> <p style="text-align: center;"><u>GPO Box 2454</u></p> <p style="text-align: center;"><u>Brisbane Qld 4001</u></p> <p><i>Condition added 16 May 2022</i></p>	<u>Within two (2) weeks of the completion of the works</u>

Attachment 2—Changed reasons for decision to impose conditions

The reasons for this decision are:

subject to conditions:

- the development complies with State code 8: Coastal development and tidal works of the State Development Assessment Provisions. Specifically, the development:
 - o is for the addition of a toilet block to an existing approved wharf
 - o is not subject to coastal erosion
 - o will have no impact on public use of, and access to and along, State coastal land
 - o is not likely to be affected by the projected impacts of climate change
 - o does not impact on coastal processes or coastal resources
 - o does not impact on matters of state environmental significance (MSES).

Material used in the assessment of the application:

- material provided as part of the change application
- State Development Assessment Provisions v3.0 published by the State Assessment and Referral Agency
- *Planning Act 2016*
- Planning Regulation 2017
- Integrated Planning Regulation 1998
- *Coastal Protection and Management Act 1995* and subordinate legislation.

Attachment 3— Original referral response reference IPCC00194305J11, dated 8 July 2005

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Attachment 4—Approved plans and specifications

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Attachment 5—Appeal provisions

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Department of Resources

Author: Linda Hagen
Ref number: 2022/000232
Unit: Land Administration and Acquisitions
Phone: (07) 48373399

10 February 2022

Gladstone Ports Corporation
PO Box 259
GLADSTONE QLD 4680

Dear Sir/Madam

**Request for Owners Consent to Change Existing Development Approval under the
*Planning Act 2016***

Reference is made to your request dated 12 January 2022 requesting owner's consent to change development approval (DA2005/04) - Operational work for tidal work or work within a coastal management district for the purpose of section 79(1A) of the *Planning Act 2016*.

The department hereby gives owner's consent to the above development application for change of a development approval – Operational work for tidal work or work within a coastal management district in Lot 205 on SP178316 as shown on Multitrade Building Hire drawing number SQF-3754-01 Rev A and Gladstone Ports Corporation Limited drawing no 103/00796 for the purpose of section 79(1A) of the *Planning Act 2016* to change a development approval.

Although owner's consent for the development or change application has been provided, you are always required to comply with the purpose, terms and conditions of PPL 0/213942 being Lot 250 on SP178316 for Port and Transport related purposes and undertake works only if and when the change application has been approved by the assessment manager or responsible entity, and in accordance with the conditions of that approval.

A copy of this letter is to be attached to your *Planning Act 2016* Form 5 as the required evidence of owners consent.

You will also need to comply with all other legislative and regulatory requirements which may also include approvals that are not part of the assessment of the change application under the *Planning Act 2016* e.g. a marine park permit if in a marine park.

Further, please note that the above consent will expire on 10 August 2022. Should the change application not be lodged with the assessment manager or responsible entity prior to this date, you will be required again to lodge the *Planning Act Form 2016* Form 5 and any attachments with this Department with a further request for owner's consent - any further request will need to be reconsidered by the Department.

It is also advised that any land use activities must comply with the *Aboriginal Cultural Heritage Act 2003* or the *Torres Strait Islander Heritage Act 2003*. Please note that it is the responsibility of the assessment manager to address native title rights and interests in accordance with the *Native Title Act 1993*.

Finally, owner's consent is required under the *Planning Act 2016* to enable the application to be considered properly made for lodging with the assessment manager or responsible entity and is a completely separate process to assessment of the application under the *Planning Act 2016*.

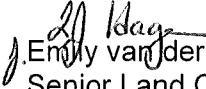
Accordingly, the State may act at a later date as assessment manager or responsible entity or referral agency or affected entity in the assessment of the change application - providing owner's consent will not influence any role the State may have in this development assessment.

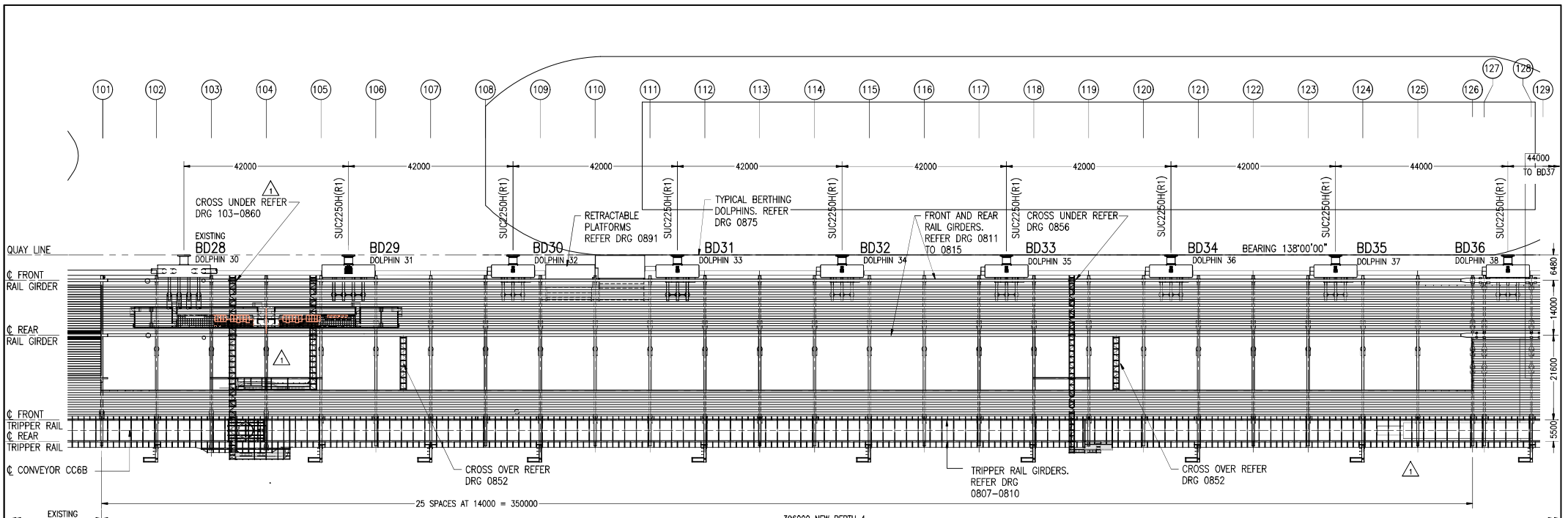
If you wish to discuss this matter please contact Emily van der Meer on (07) 48373398.

All future correspondence relative to this matter is to be referred to the contact Officer at the address below or by email to SLAM-Rockhampton@resources.qld.gov.au . Any hard copy correspondence received will be electronically scanned and filed. For this reason, it is recommended that any attached plans, sketches or maps be no larger than A3-sized.

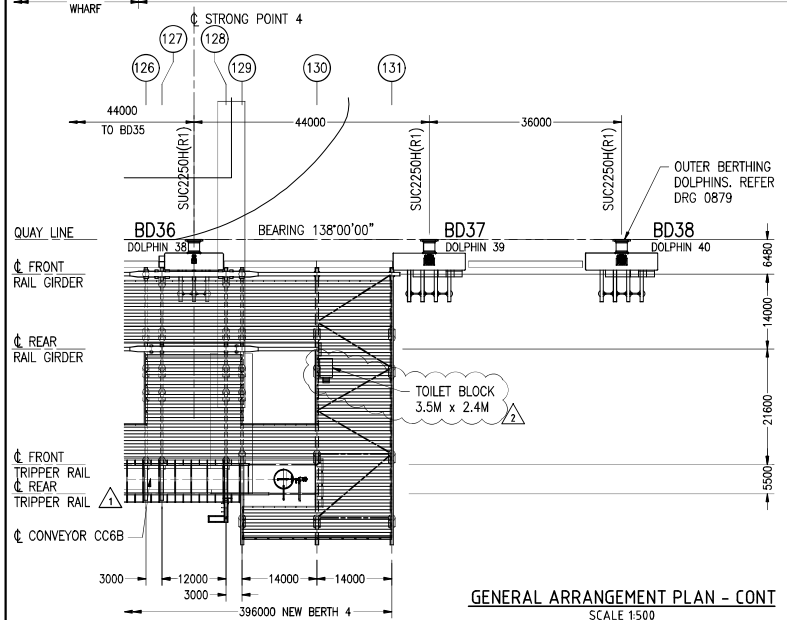
Please quote reference number 2022/000232 in any future correspondence.

Yours sincerely


J. Emily van der Meer
Senior Land Officer
A duly authorised delegate of the Minister
under the current Land Act (Ministerial) Delegation



GENERAL ARRANGEMENT PLAN
SCALE 1:500



GENERAL ARRANGEMENT PLAN - CONT
SCALE 1:500

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE

SARA ref: 2203-27990 SPD
Date: 16 May 2022



CENTRAL QUEENSLAND PORTS AUTHORITY
THIS DRAWING REMAINS THE PROPERTY OF THE CENTRAL QUEENSLAND PORTS AUTHORITY AND MUST NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF THE CENTRAL QUEENSLAND PORTS AUTHORITY

USE HARD COPY INFORMATION ONLY UNLESS ELECTRONIC CAD FILE ACCURACY IS NOT GUARANTEED.

REV	BY	DATE	REVISION DESCRIPTION
0	MMB	10.04.06	ISSUED FOR CONSTRUCTION
1	KPH	??	AS BUILT, (SUBSTATION 11 AMENDED TO SUIT REVISED ELECTRICAL LAYOUT)
2	BK	01.07.21	TOILET BLOCK ADDED & BORDER UPDATED

CHKD	DESIGN	APPR	DRG. NO.	REFERENCE DRAWING TITLE
		GRH		
		AMS		

USE HARD COPY INFORMATION ONLY UNLESS ELECTRONIC CAD FILE ACCURACY IS NOT GUARANTEED.

3RD ANGLE PROJECTION UNLESS ALL DIMENSIONS IN MILLIMETRES UNLESS DO NOT SCALE

Connell HATCH
Engineering

Connell Hatch | ABN 21 646 421 651 | Telephone: 049 7 2348 3444
433 Boundary St, Gladstone, QLD 4200, Spring Hill | Facsimile: 049 7 2348 3445
Queensland 4204 Australia | Email: cjhaw@connelhatch.com

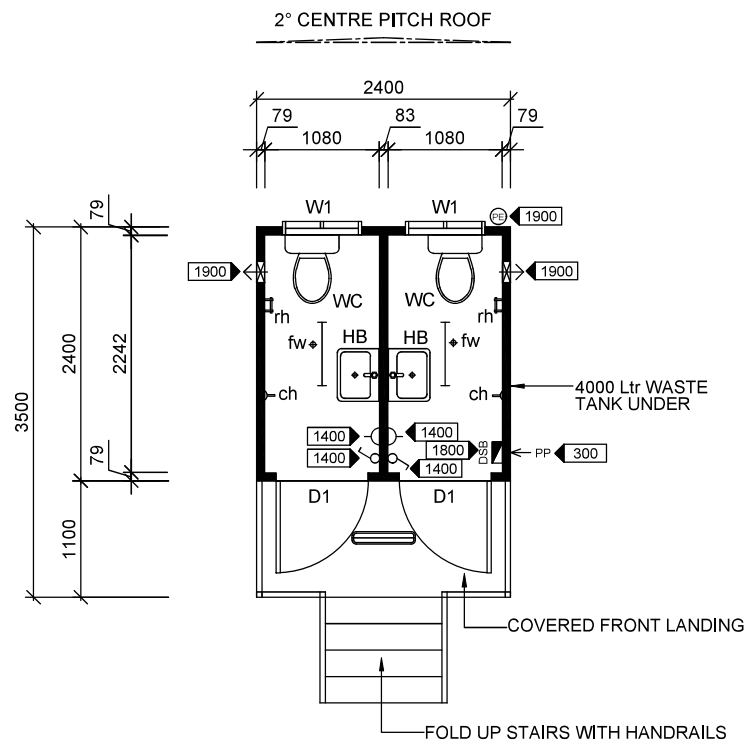
GLADSTONE PORTS CORPORATION			
SCALE AT A1:			
DRAWN	MMB	05.04.06	
CHECK	CHT	05.04.06	
DESIGN	DME	05.04.06	
RPEQ			
APPROVE	GRH	05.04.06	

R.G. TANNA COAL TERMINAL BERTH NO.4 EXPANSION PROJECT GENERAL ARRANGEMENT	Ext. Ref. No.	
	GPC DRAWING No.	103-00796
	Asset/Part No.	
REV.	JDE Ref/Rego No.	
2		

AS BUILT

Colour Schedule

External		
Cladding	-	Surfmist
Roof	-	Zincalume
Capping	-	Surfmist
Doors	-	White
Windows	-	White
Internal		
Vinyl (R10)	-	Grey
Walls	-	Grey
Ceiling	-	White



3.5x2.4m Toilet Block - Floor Plan

Scale 1:50

PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

SARA ref: 2203-27990 SPD

Date: 16 May 2022

Item List

Item	Qty	Description
D1	x(2)	2040x820mm External Metal Clad Door With Door Vent, Privacy Set & Door Closer.
W2	x(2)	300x750mm Sliding Obscure Glass Window With Flyscreen.
WC	x(2)	Toilet Pan With Dual Flush Cistern - 'P' Trap.
HB	x(2)	Stainless Steel Hand Basin - Cold Only, Mirror Over (Basin Waste - 'P' Trap Through Rear Wall Of Building).
rh	x(2)	Roll Holder.
ch	x(2)	Coat Hook.
fw	x(2)	Floor Waste.

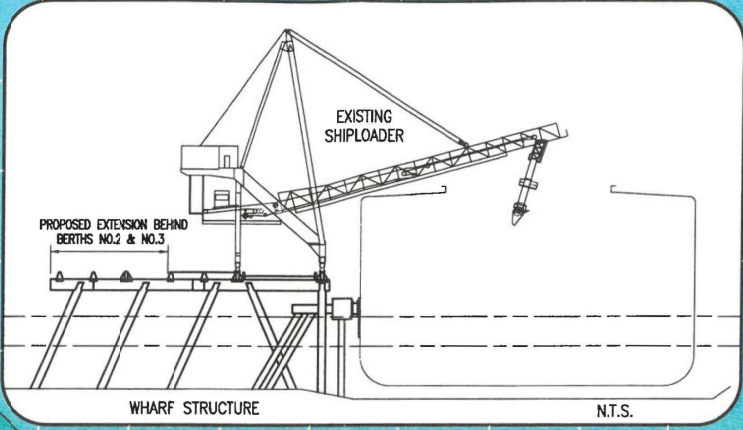
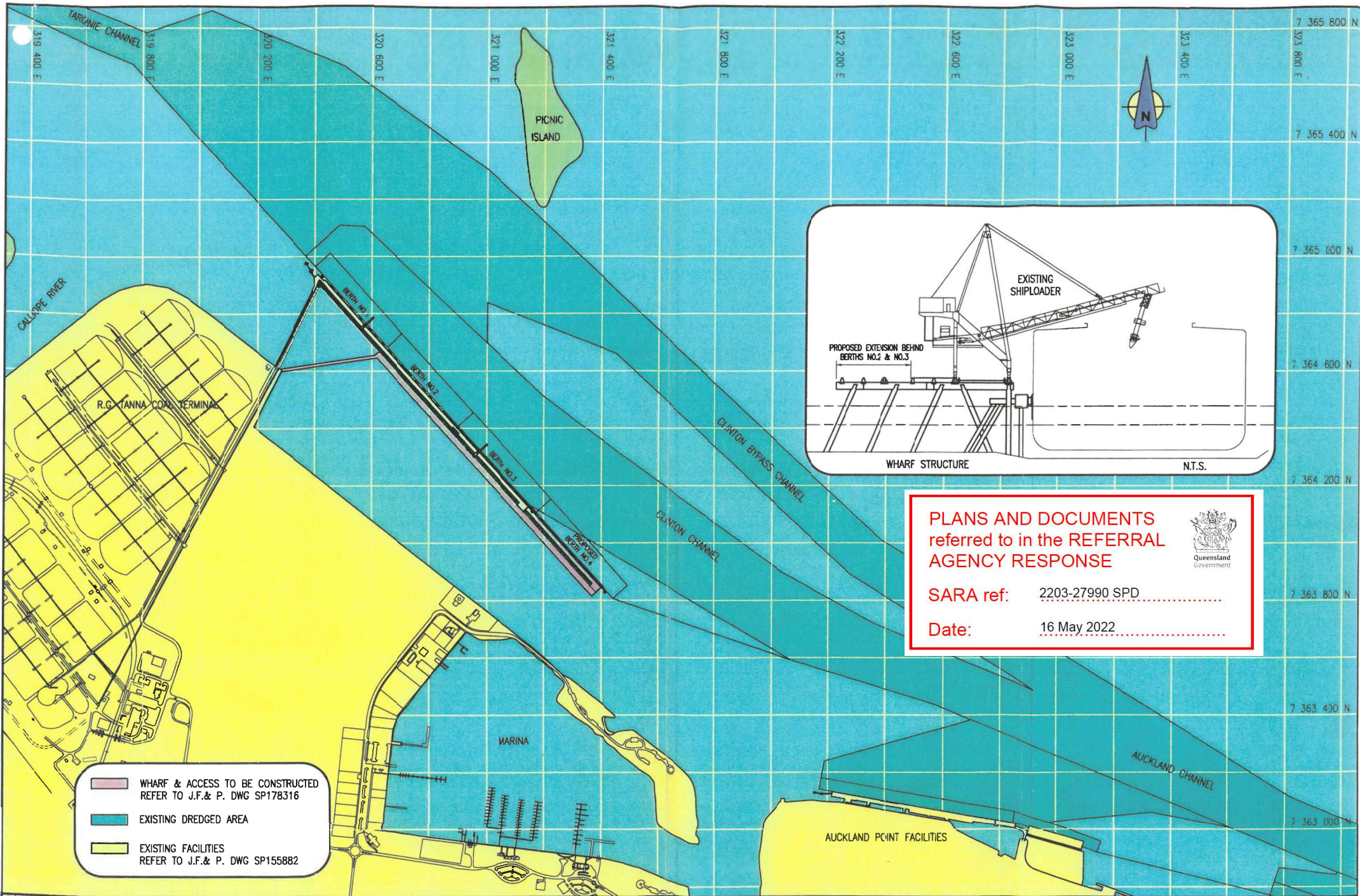
Notes

- Built To Multitrade Building Hire Specifications.
- 150x75mm PFC Bearers & C10015 Floor Joists @ 600mm Ctrs.
- 19mm T&G F11 Plywood Flooring.
- 2mm Commercial R10 Slip Resistant Vinyl, Covered In Wet Areas.
- 2155mm Internal Ceiling Height.
- Horizontal 'Panelrib' Profile External Colorbond Cladding.
- Zincalume 'Trimdek' Profile Roof Sheeting.
- Pre-finished Plywood Internal Wall & Ceiling Lining With PVC Joiners, Cornice, Skirting & Corner Moulds.
- Wall & Ceiling Insulation.
- 4000L Waste Tank Under The Building.
- Plumbing Waste Harassed Into 4000L Waste Tank.

Electrical Legend

Icon	Qty	Description
	x(1)	Internal Lockable 12 Pole Distribution Switchboard With Double Pole Main Switch, Double Pole Circuit Breakers & Light Test Point.
	x(1)	Plug In - Electrical Point Of Entry.
	x(2)	Light Switch (Double Pole)
	x(2)	10amp Single GPO (Double Pole).
	x(2)	600mm LED Internal Light Fitting.
	x(1)	600mm LED External Light Fitting.
	x(1)	PE Cell With Bypass Switch.
	x(2)	Wall Mounted Exhaust Fan


CLIENT APPROVAL			
Signature:		Date:	
Rev.	Description	Date	By
A	Issued For Client Review	16/10/20	BW
THIS DRAWING AND DESIGN IS THE SOLE PROPERTY OF JABEGIL PTY LTD T/A MULTITRADE BUILDING HIRE A.B.N. 36 010 138 600 IT MAY NOT BE REPRODUCED, COPIED WHOLE OR IN PART WITHOUT WRITTEN AUTHORITY.			
CLIENT		DATE	
GPCL		16/10/20	
TITLE		SCALE	
3,5x2,4m TOILET BLOCK - FLOOR PLAN		1:50	
DESIGN WIND LOAD		DRAWN	CHECKED
C2 (W50C)		BW	
DRAWING NUMBER		REVISION	SHEET SIZE
SQF-3754-01		A	A3



PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

SARA ref: 2203-27990 SPD

Date: 16 May 2022



- WHARF & ACCESS TO BE CONSTRUCTED REFER TO J.F.& P. DWG SP178316
- EXISTING DREDGED AREA
- EXISTING FACILITIES REFER TO J.F.& P. DWG SP155882

NO.	DRN	DATE	REVISION DESCRIPTION	APPR	DRG. NO.	REFERENCE DRAWING TITLE

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GLADSTONE PORT AUTHORITY
 * SIGNATURES ON ORIGINAL DRG.

SCALE AT B1: 1:5000

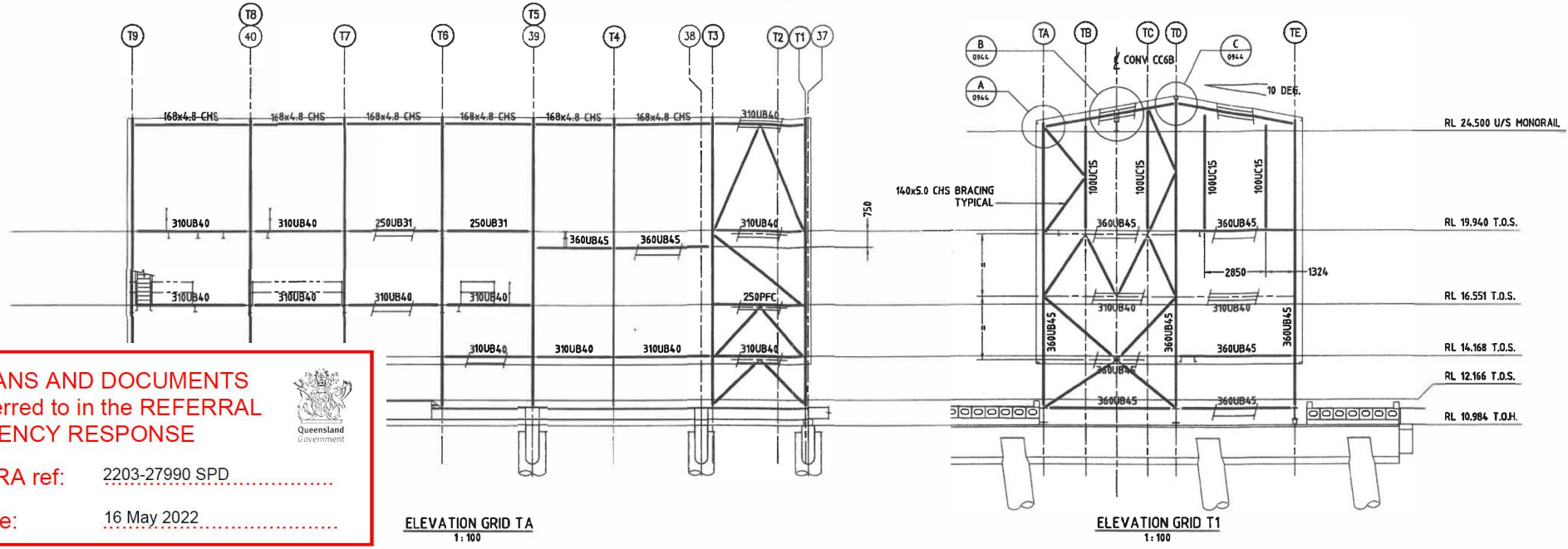
DRAWN*	G.KUSS	06-05-05
CHECK*	D.BARTON	06-05-05
DESIGN*	F.HUBCZENKO	06-05-05
APPROVE*	K.BIRLESON	06-05-05

RPEG 3439

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R.G. TANNA COAL TERMINAL PROPOSED BERTH NO.4 AND WHARF-CROSS SECTION

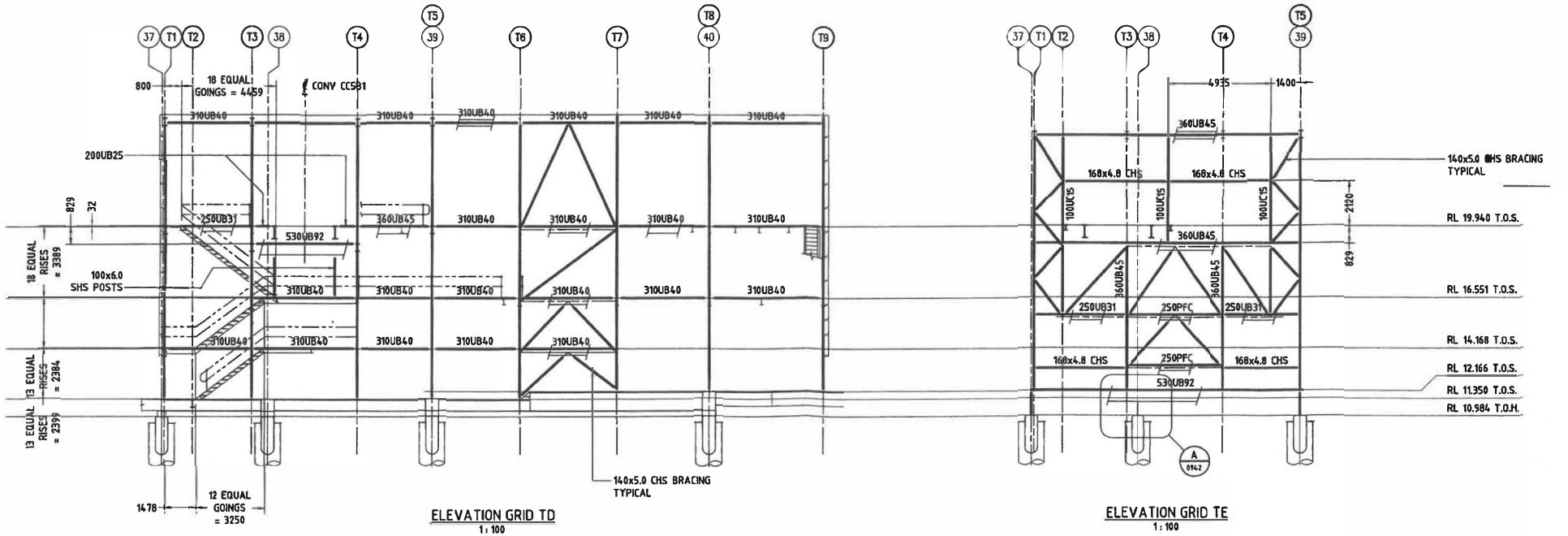
CLIENT No: 806-0030
 DRAWING No:
 REV. FILE No: B1



PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE

SARA ref: 2203-27990 SPD

Date: 16 May 2022



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NO. DRAWN	DATE	ISSUED FOR APPROVALS		APPROV	DWG. NO.	TRANSFER / SAMPLE TOWER ARRANGEMENT - PLANS - SHEET 1 OF 2	103-0936	TRANSFER / SAMPLE TOWER ARRANGEMENT - PLANS - SHEET 2 OF 2	103-0939	TRANSFER / SAMPLE TOWER ARRANGEMENT - ELEVATIONS - SHEET 2 OF 2	103-0941	TRANSFER / SAMPLE TOWER ARRANGEMENT - SECTIONS	104-0942	TRANSFER / SAMPLE TOWER - DETAILS - SHEET 1 OF 3	103-0943	TRANSFER / SAMPLE TOWER - DETAILS - SHEET 2 OF 3	103-0944	Signature: <i>[Handwritten]</i> Date: <i>17/05/2022</i>	DRAWN* CHECK* DESIGN*	JOW 04/05

DESIGN DATA:

THE FOLLOWING PROVIDES A BRIEF SUMMARY OF KEY DESIGN DATA FOR THE MARINE STRUCTURES. REFER TO THE DESIGN REPORT FOR FURTHER DETAILS

- TIDE LEVELS - REFER DRAWING 103-0749
- WIND SPEEDS (3 SECOND GUST) - $V_{99} = 20m/s$
 $V_{50} = 70m/s$
 - SHIPLANDER MAY TEMPORARILY PARK OR RETURN TO THE STRONGPOINT UNDER WINDS OF $V = 29m/s$
- CYCLONIC WAVE CONDITIONS - $H_{wk} = 3.0m$
 $H_s = 1.7m$
 $T_p = 7.0s$
- CURRENTS
 TIDAL CURRENT OF 3 KNOTS RUNNING AT MAXIMUM ANGLE OF YAW OF 30 DEGREES TO THE QUAY LINE
- BERTHING DOLPHIN CRITERIA
 DESIGN - 220,000dwt MAXIMUM
 - 25,000dwt MINIMUM
 BERTHING VELOCITY - 0.15m/s
 BERTHING ANGLE - 3 DEGREES
 - QUARTER POINT CONFIGURATION
 MOORING HOOKS - BERTHING DOLPHINS BD29 & BD30 = 4x100t
 - BERTHING DOLPHINS BD31 TO BD37 = 2 x 60t
 - BERTHING DOLPHINS BD38 & BD39 = 4 x 100t
 DESIGN MOORING LOADS - BERTHING DOLPHINS BD29 & BD30 = 300t
 - BERTHING DOLPHINS BD31 TO BD37 = 120t
 - BERTHING DOLPHINS BD38 & BD39 = 300t
- LIVE LOADS
 VEHICLE LOADS - T44 AND A14 STANDARD LOADING TO AUSTRROADS BRIDGE DESIGN CODE
 - MANOEUVRING OF MOBILE CRANES WITH 22t MAXIMUM AXLE LOADS
 - OPERATION OF 50t MOBILE CRANE ON OUTRIGGER WITH 3m LONG SPREADER BEAMS.
 MAXIMUM OUTRIGGER LOAD 35t AT 5m SPACING
 REFER REFERENCE DRG. 103-0382 FOR SPREADER BEAM DETAILS
 - UNIFORMLY DISTRIBUTED LOAD OF 14kPa
 - REFER DRAWINGS 103-0751 AND 103-0754 FOR FULL RANGE OF LIVE LOADS
 WALKWAYS - UNIFORMLY DISTRIBUTED LOAD OF 2.5kPa
 RETRACTABLE GANGWAY ACCESS PLATFORM - UNIFORMLY DISTRIBUTED LOAD OF 4kPa
- MECHANICAL
 CONVEYORS C05B1 AND C06B CAPACITY 6000t/h
 - BELT SPEED 5.5m/s

GENERAL NOTES:

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION.
- WORKS COVERED UNDER THIS CONTRACT INVOLVE EXTENSION OR MODIFICATION OF EXISTING STRUCTURES, OR SET OUT RELATIVE TO EXISTING STRUCTURES. IT IS THEREFORE NECESSARY THAT ALL RELEVANT DIMENSIONS OF THE EXISTING WORKS BE VERIFIED ON SITE PRIOR TO FINAL PRODUCTION OF SHOP DRAWINGS AND COMMENCEMENT OF FABRICATION.
- THE CONTRACTOR SHALL RECOVER ANY MATERIAL DROPPED ON THE SEABED IMMEDIATELY AFTER IT OCCURS. IT SHALL NOT BE LEFT UNTIL THE END OF THE CONTRACT. THE CONTRACTOR SHALL CERTIFY THE SEABED IS CLEAR OF MATERIALS DROPPED DURING THE CONTRACT AT THE END OF THE CONTRACT BEFORE A CERTIFICATE OF PRACTICAL COMPLETION IS ISSUED.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL WORKS IN A STABLE CONDITION AND ENSURE THAT NO PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL SUBMIT CALCULATIONS TO THE SUPERINTENDENT WHEN REQUESTED.
- THE CONTRACTORS WORK AREA SHALL BE DEFINED (FOR THE PURPOSE OF THE WORKPLACE HEALTH AND SAFETY ACT) AS THE WHARF AND DOLPHIN STRUCTURES, THE ONSHORE WORK AREA, AND OTHER AREAS AS USED BY THE CONTRACTOR FROM TIME TO TIME AS NECESSARY TO UNDERTAKE THE CONTRACT WORKS.
- ALL LEVELS IN THIS DRAWING SET ARE TO PORT DATUM, WHICH IS LAT. IN THIS DRAWING SET THE TERM "RL" IS USED TO DENOTE LEVELS TO PORT DATUM. THIS MAY NOT BE THE CASE FOR DRAWINGS BY OTHERS.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

STEELWORK NOTES:

- ALL STEEL USED IN THIS CONTRACT SHALL BE HOT ROLLED STRUCTURAL GRADE STEEL MANUFACTURED BY THE OPEN HEARTH, BASIC OXYGEN (L.O.) OR ELECTRICAL FURNACE PROCESSES. THE USE OF STEEL MANUFACTURED BY THE BESSEMER OR THOMAS PROCESSES WILL NOT BE PERMITTED.
- UNLESS NOTED OTHERWISE-
 - ALL STEEL SHALL BE GRADE 350 IN ACCORDANCE WITH AS3678 OR AS3679.
 - ALL ROLLED AND WELDED BEAM SECTIONS SHALL BE GRADE 300 IN ACCORDANCE WITH AS3679.
 - ALL RECTANGULAR, SQUARE AND CIRCULAR HOLLOW SECTIONS SHALL BE GRADE 350 CONFORMING WITH AS1163.
- UNIDENTIFIED STEEL SHALL NOT BE USED IN STRUCTURAL MEMBERS.
- ALL STEEL SHALL BE FREE FROM EXCESSIVE RUST, PITTING AND OTHER DEFECTS WHICH EITHER IMPAIR THE STRUCTURAL CAPACITY OF THE MEMBER OR ARE LIKELY TO IMPAIR THE QUALITY OF THE PROTECTIVE COATING SYSTEM.
- ALL PLATES, GUSSETS, MEMBERS ETC. SHALL HAVE SHARP EDGES AND CORNERS ROUNDED AND GROUND SMOOTH TO A MINIMUM RADIUS OF 20mm.
- ALL STEEL 32mm THICK AND OVER WHICH IS INTENDED TO BE USED IN THE WORK SHALL BE TIMED ULTRASONICALLY (FROM BOTH SIDES) FOR FLAWS, LAMINATIONS AND OTHER DEFECTS IN ACCORDANCE WITH AS1710 CLASS 2. TEST CERTIFICATES FOR EACH PLATE TESTED SHALL BE SUBMITTED AND WRITTEN APPROVAL OBTAINED BEFORE FABRICATION WORK COMMENCES.
- ALL PILE CAP PLATES AND GUSSETS SHALL BE 12mm THICK UNLESS NOTED OTHERWISE.
- ALL SEAL AND END PLATES SHALL BE 10mm THICK UNLESS NOTED OTHERWISE.
- ALL STAIRS, LADDERS, HANDRAILS, KICKPLATES, WALKWAYS AND PLATFORMS SHALL BE CONSIDERED AS STRUCTURAL STEELWORK FOR THE PURPOSES OF THE SPECIFICATION, AND SHALL BE IN ACCORDANCE WITH AS1657. THE JOINTS AND CONNECTIONS OF ALL HANDRAILS SHALL BE FULLY SEAL WELDED, ENCLOSING THESE SECTIONS FROM THE CORROSIVE MARINE ENVIRONMENT.
- WHERE TEMPORARY ERECTION BOLTS ARE USED AND LATER REMOVED, HOLES SHALL BE PLUG WELDED AND GROUND FLUSH.
- ALL STAINLESS STEEL, INCLUDING BOLTS, NUTS AND WASHERS, SHALL BE MARINE GRADE 316, OR 316L WHERE WELDING IS SPECIFIED.

FABRICATION NOTES:

- ALL MEMBERS SHALL BE FABRICATED TRUE TO SHAPE AND SIZE, WITHOUT DISTORTION AND WITH ALL NECESSARY PROVISIONS FOR HANDLING, FIELD SPlicing, FIELD WELDING AND THE LIKE.
- THE CONTRACTOR SHALL PROVIDE ALL CLEATS AND HOLES REQUIRED FOR FIXING OF NON STRUCTURAL ELEMENTS TO STEELWORK WHETHER SHOWN ON THE DRAWINGS OR NOT.
- ALL CUTTING AND SHEARING SHALL BE NEATLY DONE AND ALL PORTIONS EXPOSED TO VIEW SHALL BE NEATLY FINISHED WITH ALL EDGES GROUND OFF TO A SMOOTH RADIUS OF NOT LESS THAN 20mm.
- ANY PLATE OR SECTION INJURED BY HAMMER MARKS, OR OTHERWISE MARKED OR DEFACED SHALL BE REJECTED.
- ITEMS OR PARTS FABRICATED FROM OTHER THAN GRADE 350 STEEL SHALL BE MARKED FOR IDENTIFICATION.
- FIELD SPLICES, WHERE NOT SHOWN ON THE DRAWINGS BUT REQUIRED BY THE CONTRACTOR FOR FABRICATION, HANDLING, TRANSPORTATION OR ERECTION REASONS, SHALL BE CLEARLY SHOWN ON THE REVISED SHOP DRAWINGS. THE LOCATION OF ALL SUCH FIELD SPLICES ARE SUBJECT TO APPROVAL. ADJOINING MEMBERS SHALL BE MATCH MARKED AS NECESSARY, AND JOINED ON SITE BY QUALIFIED COMPLETE PENETRATION BUTT WELDS, THE PROCEDURE AND PREPARATION FOR WHICH SHALL BE SUBMITTED WITH AND SHOWN ON THE SHOP DRAWINGS. ALL SUCH WELDS SHALL BE COMPLETELY TESTED BY NON-DESTRUCTIVE MEANS. THE LOCATION OF ALL FIELD SPLICES SHALL BE SHOWN ON THE AS-CONSTRUCTED DRAWINGS.
- UNLESS NOTED OTHERWISE ON THE DRAWINGS, STANDARD CONNECTION DETAILS SHALL CONFORM WITH AISC STANDARD STRUCTURAL CONNECTIONS.


WELDING NOTES:

- UNLESS NOTED OTHERWISE, ALL WELDING SHALL BE-
 - IN CONFORMANCE WITH THE SPECIFICATION
 - QUALIFIED AND SP CATEGORY
 - CONTINUOUS 8mm FILLET WELDS ON BOTH SIDES
 - PERFORMED USING E48XX ELECTRODES FOR STEEL GRADES 250, 300 AND 350
- ELECTRODES SHALL COMPLY WITH REQUIREMENTS OF AS1554.1 (OR APPROVED EQUIVALENT STANDARD)
- UNLESS OTHERWISE SHOWN, ALL BUTT WELDS SHALL BE QUALIFIED COMPLETE PENETRATION BUTT WELDS AND, WHERE POSSIBLE, SHALL BE DOUBLE V-BUTT WELDS, OR DOUBLE U-BUTT WELDS.
- WHERE NO DEPTH OF PREPARATION IS SPECIFIED, INCOMPLETE PENETRATION BUTT WELDS REQUIRE A FULL DEPTH PREPARATION.
- SURFACE PREPARATION FOR ALL BUTT WELDS SHALL BE SHOWN ON THE SHOP DRAWINGS.
- ALL BUTT WELDS OF TUBULAR AND BOXED MEMBERS SHALL BE BACKED BY SUITABLE MRD STEEL BACKING RINGS OR PLATES, UNLESS APPROVED OTHERWISE.
- OVER-REINFORCEMENT OF BUTT WELDS AND PRONOUNCED HUMPS SHALL BE GROUND OFF TO PRODUCE A SMOOTH PROFILE, OR GROUND FLUSH AS SPECIFIED ON THE DRAWINGS.
- ARC STRIKES OUTSIDE THE AREA OF PERMANENT WELDS SHALL BE AVOIDED ON ANY MATERIAL. CRACKS OR BLEMISHES RESULTING FROM ARC STRIKES SHALL BE GROUND TO A SMOOTHER CONTOUR AND CHECKED TO ENSURE SOUNDNESS.
- ADDITIONAL WELD METAL TO COMPENSATE FOR DEFICIENCY IN SIZE SHALL BE DEPOSITED USING AN ELECTRODE PREFERABLY SMALLER THAN THAT USED FOR MAKING THE ORIGINAL WELD AND PREFERABLY NOT MORE THAN 6MM IN DIAMETER. THE SURFACES SHALL BE CLEANED THOROUGHLY BEFORE WELDING.
- THE FINISHED SURFACE AND PROFILE OF ALL WELDING SHALL BE SMOOTH AND FREE FROM SHARP EDGES OR CREVICES THAT WOULD BE DETRIMENTAL TO THE PERFORMANCE OF THE STRUCTURE OR TO THE PROTECTIVE TREATMENT. ALL SLAG AND WELD SPLATTER SHALL BE THOROUGHLY REMOVED, AND THE WELD SURFACE SHALL BE REPLACED, REPAIRED AND GROUND AS DIRECTED UNTIL A SATISFACTORY SURFACE FINISH HAS BEEN ACHIEVED.
- NON-DESTRUCTIVE TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH : - ULTRASONIC TESTING AS 2207
 - RADIOGRAPHIC EXAMINATION AS 2177.1
- TOLERANCE FOR ALIGNMENT OF SPLICES SHALL BE <10% OF THE THICKNESS OF THE THINNER PART JOINED

PROTECTIVE TREATMENT:

- REFER SPECIFICATION FOR DETAILS OF PROTECTIVE TREATMENT AND SURFACE PREPARATION.
- ANY DAMAGE TO PROTECTIVE COATINGS WHICH OCCURS DURING TRANSPORT, HANDLING AND CONSTRUCTION SHALL BE REPLACED STRICTLY IN ACCORDANCE WITH THE SPECIFICATION AND THE MANUFACTURER'S RECOMMENDATIONS AS SOON AS PRACTICAL AFTER THE DAMAGE HAS OCCURRED. DAMAGE TO THE PROTECTIVE COATING SHALL BE REPAIRED PROGRESSIVELY DURING THE COURSE OF CONSTRUCTION AND NOT LEFT UNTIL COMPLETION OF ACTIVITIES.

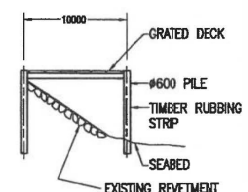
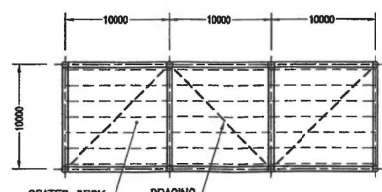
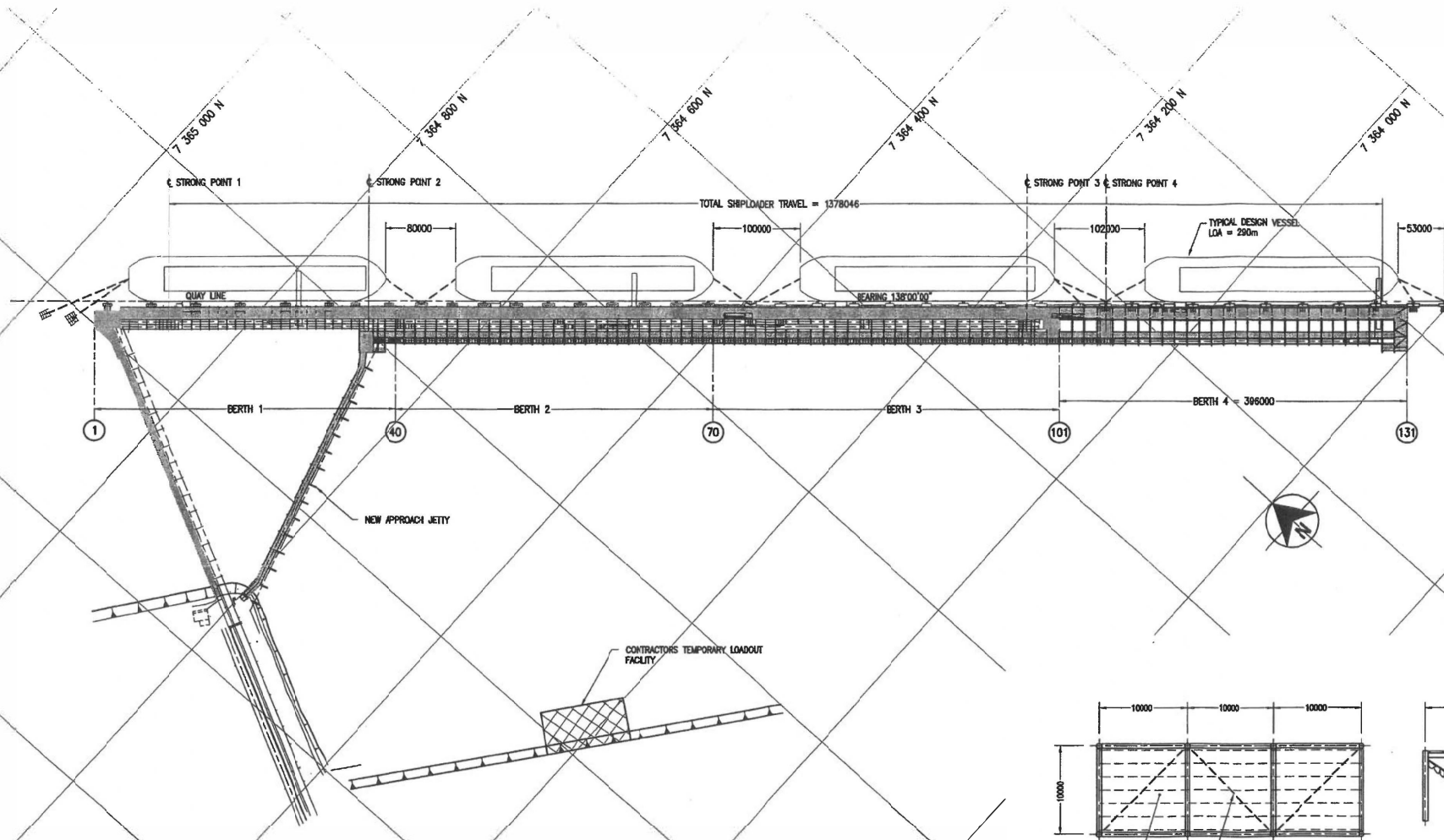
PLANS AND DOCUMENTS
referred to in the REFERRAL
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Queensland
Government

SARA ref: 2203-27990 SPD

Date: 16 May 2022

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NO.	DATE	REVISION	APPROVAL	DRAWN	CHECKED	DESIGN	APPROVED
1							
2							
3							



PLAN

TYPICAL SECTION

TEMPORARY LOAD OUT FACILITY
SCALE 1:250

DATUM AND TIDAL DATA

Metres	
+5	+4.69 HAT
+4	+3.91 MHWS
+3	+3.06 MHW
+2	+2.268 AHD
+1	+1.52 MLWN
0.00	+0.67 MLWS
	0.00 LAT

PORT DATUM = LAT

PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

SARA ref: 2203-27990 SPD

Date: 16 May 2022



NOTE:
1. THESE WORKS DO NOT INCLUDE DREDGING WORKS

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NO.	ISSUE DATE	REVISION DESCRIPTION
A	18.04.06	ISSUED FOR SECTION 86 (AS DRG 103-0748)
B	27.04.06	ISSUED FOR SECTION 86
C	05.05.06	ISSUED FOR SECTION 86
D	05.05.06	ISSUED FOR APPROVALS
E	13.05.06	ISSUED FOR APPROVALS
F	18.05.06	ISSUED FOR APPROVALS

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APPR.	DRG. NO.	REFERENCE DRAWING TITLE

Connell HATCH

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 Email: connell@connelhatch.com.au

PORT OF GLADSTONE

* SIGNATURES ON ORIGINAL DRG

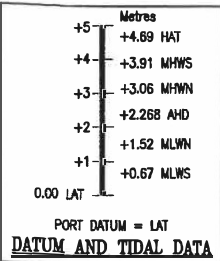
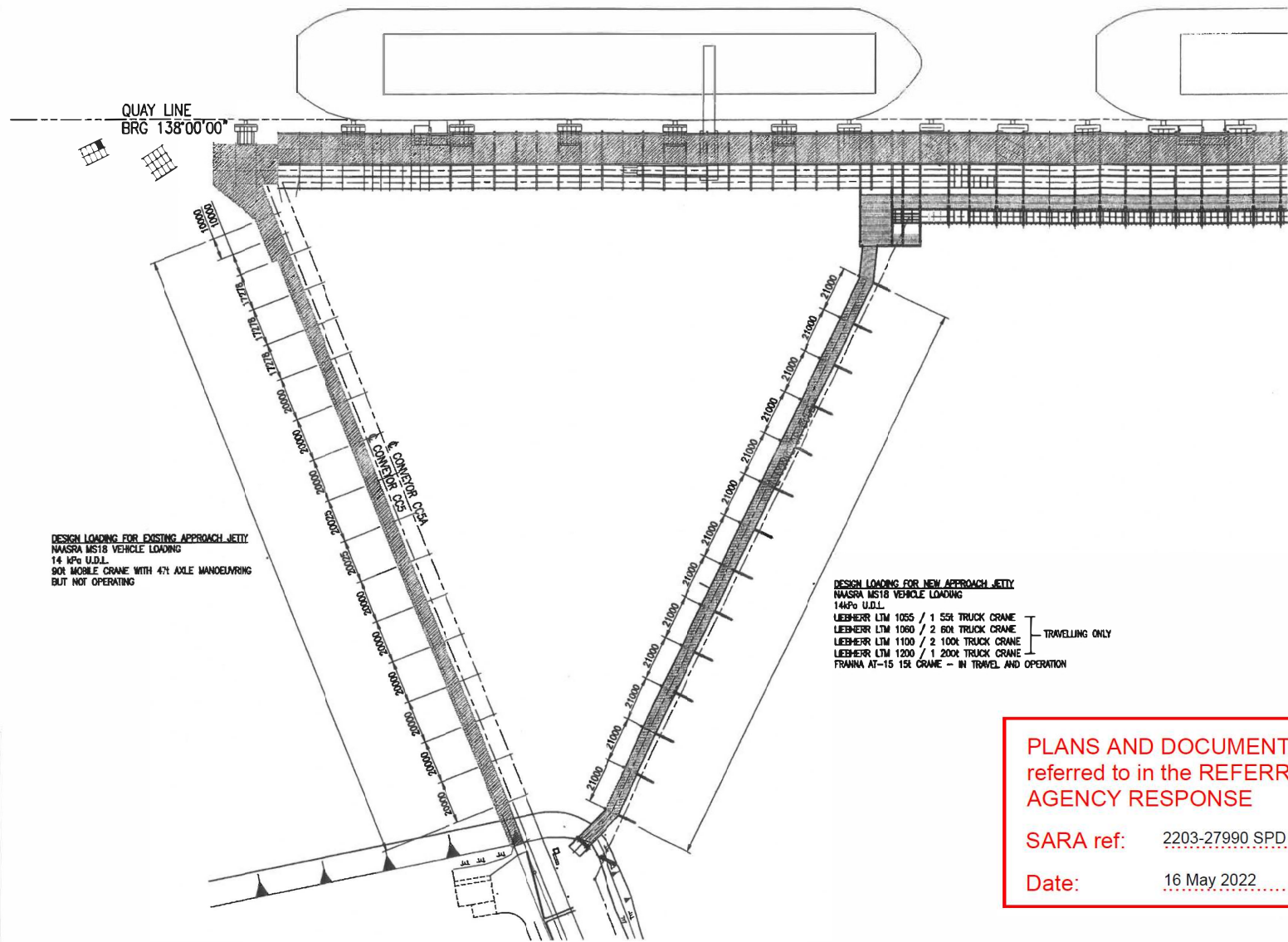
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DO NOT SCALE

DATUMS --
LEVEL -- L.A.T.
HORIZONTAL -- A.G.D. 86

APPROVED: *Buchanan* 19/05/22
APPROVED: *Roca* 16/05/22

RG TANNA COAL TERMINAL BERTH 4 EXPANSION GENERAL ARRANGEMENT


CLIENT No: 103-0749
DRAWING No: 103-0749
REV: F FILE No: A1



PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE

SARA ref: 2203-27990 SPD.....

Date: 16 May 2022.....



NOTE:
REFER TO DR 103-0754 FOR DEFINITION OF LOADS

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* SIGNATURES ON ORIGINAL DRG

ALL DIMENSIONS IN MM U.L.O.
DO NOT SCALE.

DRUMS -
LEVEL - L.A.T.
HORIZONTAL - A.S.D. 85

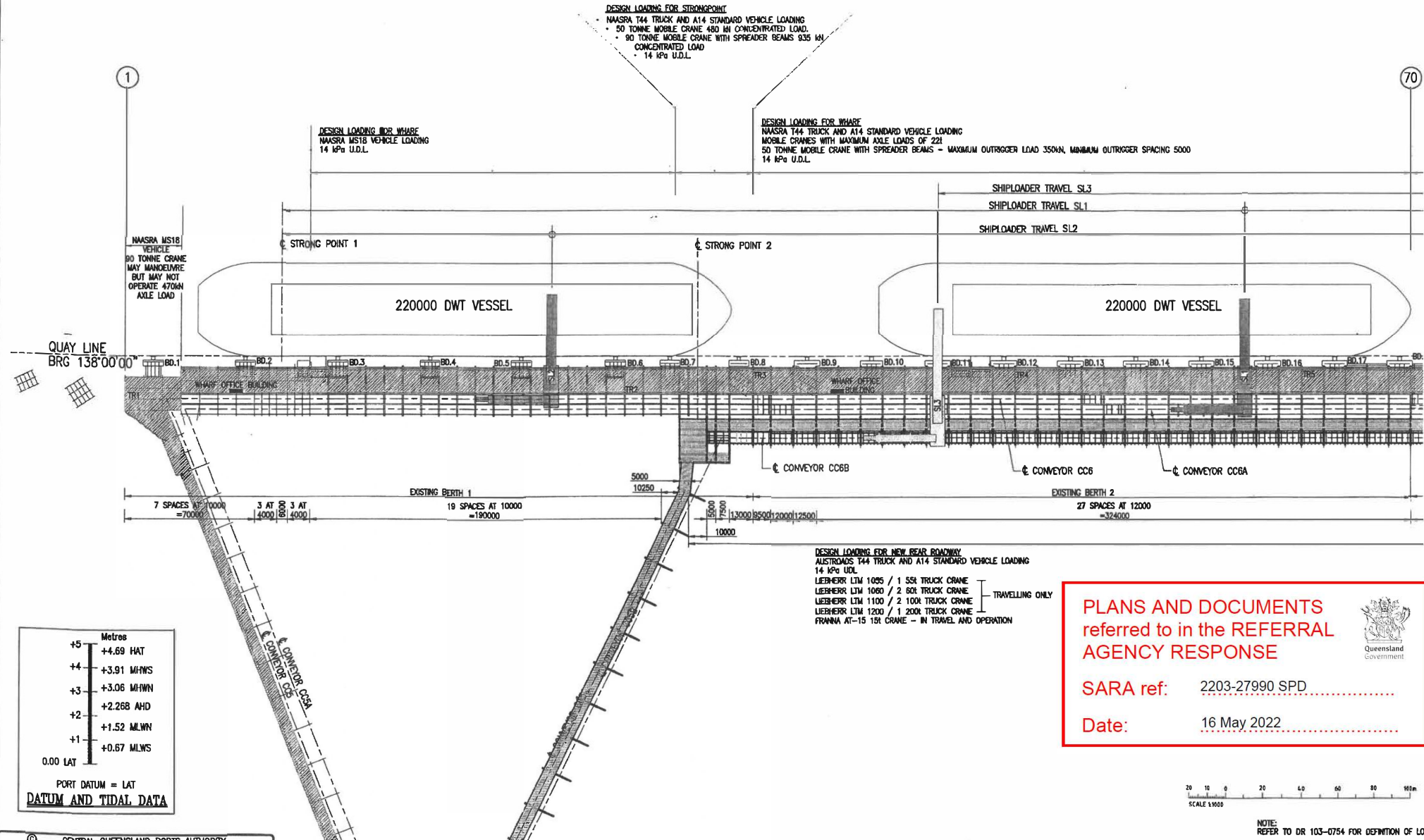
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RPEA 6618

RG TANNA COAL TERMINAL
BERTH 4 EXPANSION
JETTY LOADING
GENERAL ARRANGEMENT
SHEET 1 OF 1

CLIENT No:
DRAWING No:
103-0751

REV: A FILE No: A1



DESIGN LOADING FOR STRONGPOINT

- NAASRA T44 TRUCK AND A14 STANDARD VEHICLE LOADING
- 50 TONNE MOBILE CRANE 480 kN CONCENTRATED LOAD
- 80 TONNE MOBILE CRANE WITH SPREADER BEAMS 935 kN CONCENTRATED LOAD
- 14 kPa U.D.L.

DESIGN LOADING FOR WHARF

NAASRA M518 VEHICLE LOADING
14 kPa U.D.L.

DESIGN LOADING FOR WHARF

NAASRA T44 TRUCK AND A14 STANDARD VEHICLE LOADING
MOBILE CRANES WITH MAXIMUM AXLE LOADS OF 221
50 TONNE MOBILE CRANE WITH SPREADER BEAMS - MAXIMUM OUTRIGGER LOAD 350kN, MINIMUM OUTRIGGER SPACING 5000
14 kPa U.D.L.

DESIGN LOADING FOR NEW REAR ROADWAY

AUSTROADS T44 TRUCK AND A14 STANDARD VEHICLE LOADING
14 kPa UDL


- LIEBHERR LTM 1005 / 1 55t TRUCK CRANE
- LIEBHERR LTM 1060 / 2 80t TRUCK CRANE
- LIEBHERR LTM 1100 / 2 100t TRUCK CRANE
- LIEBHERR LTM 1200 / 1 200t TRUCK CRANE
- FRANNA AT-15 15t CRANE - IN TRAVEL AND OPERATION

TRAVELLING ONLY

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE

SARA ref: 2203-27990 SPD

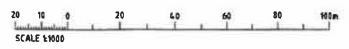
Date: 16 May 2022



DATUM AND TIDAL DATA

Metres	+5
	+4.69 HAT
	+3.91 MHWS
	+3.06 MHWN
	+2.268 AHD
	+1.52 MLWN
	+0.67 MLWS
0.00 LAT	

PORT DATUM = LAT



NOTE:
REFER TO DR 103-0754 FOR DEFINITION OF LOADS

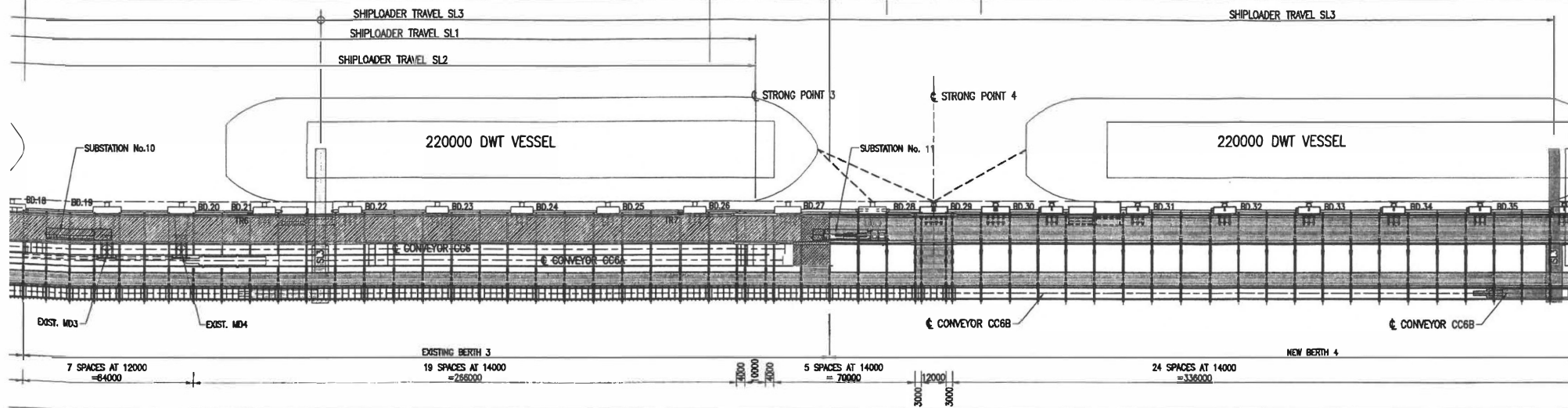
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<table border="1"> <thead> <tr> <th>NO.</th> <th>DRN.</th> <th>DATE</th> <th>REVISION DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M518</td> <td>09.05.00</td> <td>ISSUED FOR APPROVALS</td> </tr> </tbody> </table>		NO.	DRN.	DATE	REVISION DESCRIPTION	A	M518	09.05.00	ISSUED FOR APPROVALS	<table border="1"> <thead> <tr> <th>APPR.</th> <th>DRG. NO.</th> <th>REFERENCE DRAWING TITLE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		APPR.	DRG. NO.	REFERENCE DRAWING TITLE				<p>© 2005</p>		<p>CONSENT TO BE USED IN CONNECTION WITH THE PORT OF GLADSTONE GENERAL ARRANGEMENT DRAWING NO. 103-0752</p>		<p>DATE OF ISSUE: 09.05.00</p>	
NO.	DRN.	DATE	REVISION DESCRIPTION																				
A	M518	09.05.00	ISSUED FOR APPROVALS																				
APPR.	DRG. NO.	REFERENCE DRAWING TITLE																					

DESIGN LOADING FOR WHARF
 AUSTRROADS T44 TRUCK AND A14 STANDARD VEHICLE LOADING
 MOBILE CRANES WITH MAXIMUM AXLE LOADS OF 22t
 50 TONNE MOBILE CRANE WITH SPREADER BEAMS - MAXIMUM OUTRIGGER LOAD 350kN, MINIMUM OUTRIGGER SPACING 5000
 14 kPa U.D.L.

DESIGN LOADING FOR STRONGPOINT
 AUSTRROADS T44 TRUCK AND A14 STANDARD VEHICLE LOADING
 • 50 TONNE MOBILE CRANE 480 kN CONCENTRATED LOAD.
 • 80 TONNE MOBILE CRANE WITH 835 kN CONCENTRATED LOAD
 • 14 kPa U.D.L.

DESIGN LOADING FOR STRONGPOINT
 AUSTRROADS T44 TRUCK AND A14 STANDARD VEHICLE LOADING 14 kPa U.D.L.
 LIEBHERR LTM 1100 / 2 100t TRUCK CRANE WITH 835 kN CONCENTRATED LOAD
 IN TRAVEL AND OPERATION WITH A SPREADER BEAM ONLY

DESIGN LOADING FOR NEW WHARF
 AUSTRROADS T44 TRUCK AND A14 STANDARD VEHICLE LOADING 14 kPa U.D.L.
 LIEBHERR LTM 1055 / 1 55t TRUCK CRANE
 LIEBHERR LTM 1060 / 2 60t TRUCK CRANE
 LIEBHERR LTM 1100 / 2 100t TRUCK CRANE
 LIEBHERR LTM 1200 / 1 200t TRUCK CRANE
 FRANNA AT-15 15t CRANE - IN TRAVEL AND OPERATION
 FOR MAXIMUM OUTRIGGER LOADS FOR ABOVE CRANES REFER DRG 103-0754

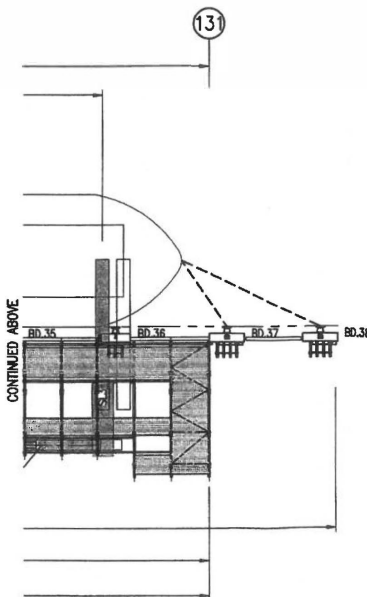


DESIGN LOADING FOR NEW BEAR ROADWAY
 AUSTRROADS T44 TRUCK AND A14 STANDARD VEHICLE LOADING
 14 kPa UDL
 LIEBHERR LTM 1055 / 1 55t TRUCK CRANE
 LIEBHERR LTM 1060 / 2 60t TRUCK CRANE
 LIEBHERR LTM 1100 / 2 100t TRUCK CRANE
 LIEBHERR LTM 1200 / 1 200t TRUCK CRANE
 FRANNA AT-15 15t CRANE - IN TRAVEL AND OPERATION

DESIGN LOADING FOR NEW BEAR ROADWAY
 AUSTRROADS T44 TRUCK AND A14 STANDARD VEHICLE LOADING
 14 kPa UDL
 LIEBHERR LTM 1055 / 1 55t TRUCK CRANE
 LIEBHERR LTM 1060 / 2 60t TRUCK CRANE
 LIEBHERR LTM 1100 / 2 100t TRUCK CRANE
 LIEBHERR LTM 1200 / 1 200t TRUCK CRANE
 FRANNA AT-15 15t CRANE - IN TRAVEL AND OPERATION

PORT DATUM = LAT
DATUM AND TIDAL DATA

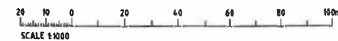
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+4.69	HAT
+3.91	MHW
+3.06	MHN
+2.268	AMD
+1.52	MLWN
+0.67	MLWS
0.00	LAT



PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

SARA ref: 2203-27990 SPD

Date: 16 May 2022



NOTE: REFER TO DR 103-0754 FOR DEFINITION OF LOADS

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 Tel: 07 3248 2000
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 Email: connell@connellhatch.com.au

PORT OF GLADSTONE

SIGNATURES ON ORIGINAL DRG

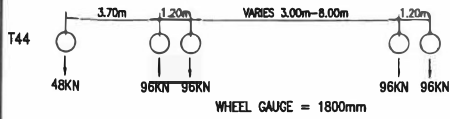
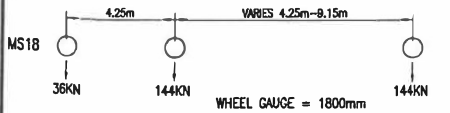
ALL DIMENSIONS IN MM U.N.L.O.	DRAWN*
DO NOT SCALE	CHECK*
NOTES: -	DESIGN*
LEVEL -	APPROVE*
HORIZONTAL - A.S.D. 85	

APPROVE: [Signature] 9/5/22
 1150 6618

RG TANNA COAL TERMINAL BERTH 4 EXPANSION DECK AND ROADWAY LOADING GENERAL ARRANGEMENT SHEET 2 OF 2

CLIENT No.	
DRAWING No.	103-0753
REV. A	FILE No.

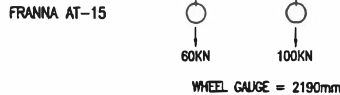
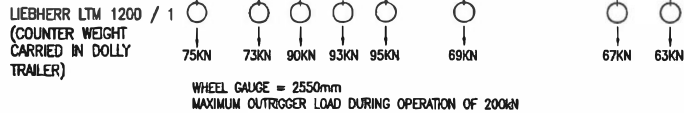
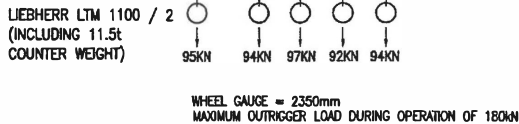
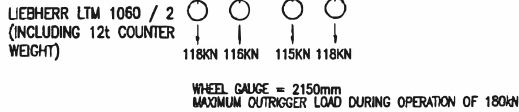
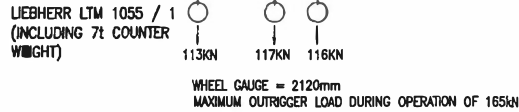
A1



VEHICLE AXLE LOAD DIAGRAMS



VEHICLE WHEEL LOAD DIAGRAMS

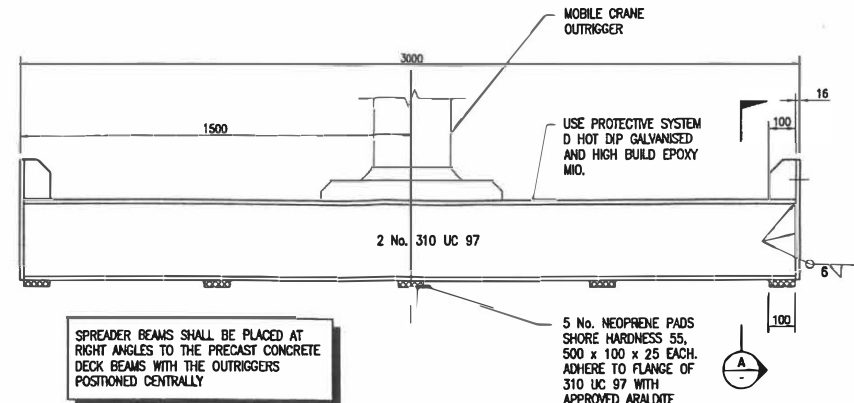


MAXIMUM AXLE LOAD T.B.C.
CRANE AXLE LOAD DIAGRAMS (TRAVELLING)

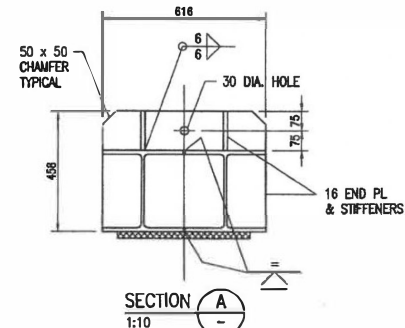
NOTE:
UNO LIEBHERR CRANES MAY NOT OPERATE WITH OUTRIGGERS UNLESS SPREADER BEAM IS USED

THE FOLLOWING TABLE SHOWS THE FACTORS USED IN CONJUNCTION WITH THE LIVE LOADS SPECIFIED ABOVE

LIVE LOAD	DYNAMIC ALLOWANCE FACTOR	LOAD FACTOR AT	
		ULS	SLS
VEHICLE LOADS (TRAVEL)	1.25	2.0	1.0
CRANE LOADS (TRAVEL)	1.25	2.0	1.0
CRANE LOADS (OPERATIONAL)	1.2	1.5	1.0
14kPa UDL	1.0	1.5	1.0



SPREADER BEAM DETAIL
1:10



SECTION A
1:10

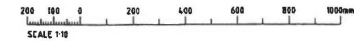
PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE



SARA ref: 2203-27990 SPD

Date: 16 May 2022

- NOTES:
- ALL LOADS ARE SPECIFIED IN TERMS OF UNFACTORED WORKING LOADS AND APPLY ONLY TO VEHICLE AND CRANE CONFIGURATIONS AS SHOWN
 - FOR SERVICEABILITY LIMIT STATES THE SLS LOAD FACTOR IS MULTIPLIED BY THE DYNAMIC ALLOWANCE. FOR ULTIMATE LIMIT STATES THE ULS LOAD FACTOR IS MULTIPLIED BY THE DYNAMIC ALLOWANCE
 - AT THE ULTIMATE LIMIT STATES IT IS ASSUMED THAT A DESIGN VEHICLE CAN OCCUPY EACH DESIGN LANE, HOWEVER IT IS ASSUMED ONLY 1 CRANE CAN OCCUPY THE ROADWAY, REGARDLESS OF THE NUMBER OF DESIGN LANES (TRAVEL AND OPERATION)
 - WHERE TWO OR THREE DESIGN LANES ARE LOADED SIMULTANEOUSLY THE LANE REDUCTION FACTOR WILL BE 0.9 AND 0.8 RESPECTIVELY.



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APPR	DWG. NO.	REFERENCE DRAWING TITLE

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 433 Boundary St, Brisbane QLD 4000, Australia
 Telephone: +61 7 3208 3444
 Facsimile: +61 7 3208 3445
 Email: client@connelhatch.com.au

PORT OF GLADSTONE
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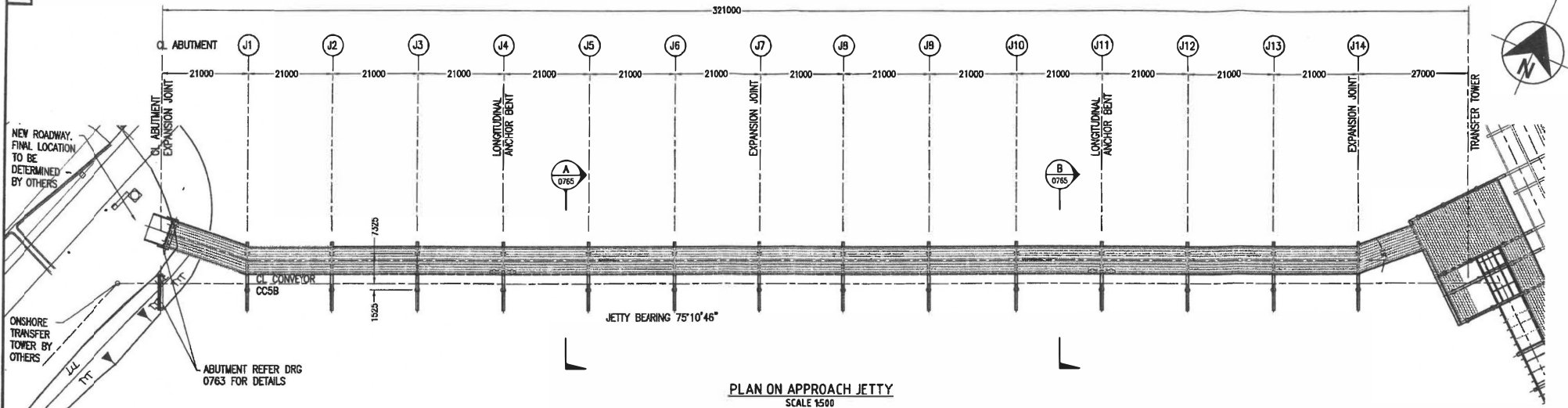
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RG TANNA COAL TERMINAL BERTH 4 EXPANSION DECK DESIGN LOADS SUMMARY DRAWING

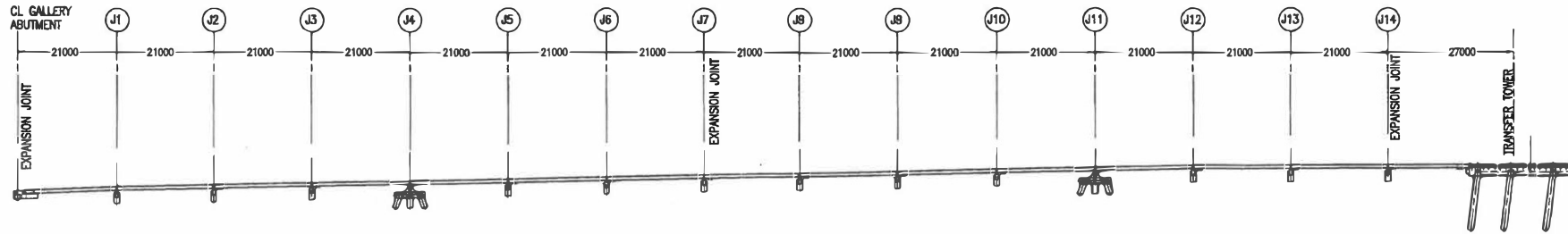
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 DRAWING No: 103-0754
 REV: A FILE No: A1

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A1



PLAN ON APPROACH JETTY
SCALE 1:500



ELEVATION ON APPROACH JETTY
SCALE 1:500

0 10 20 30 40 50m
SCALE 1:500

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 LEVEL: A.G.D. 86
 HORIZONTAL: A.G.D. 86
 APPROVED: [Signature] 14.04.05
 RPEA 6618

RG TANNA COAL TERMINAL
 BERTH 4 EXPANSION
 APPROACH JETTY
 GENERAL ARRANGEMENT
 CLIENT No: 103-0759
 DRAWING No: 103-0759
 REV: B
 FILE No: A1

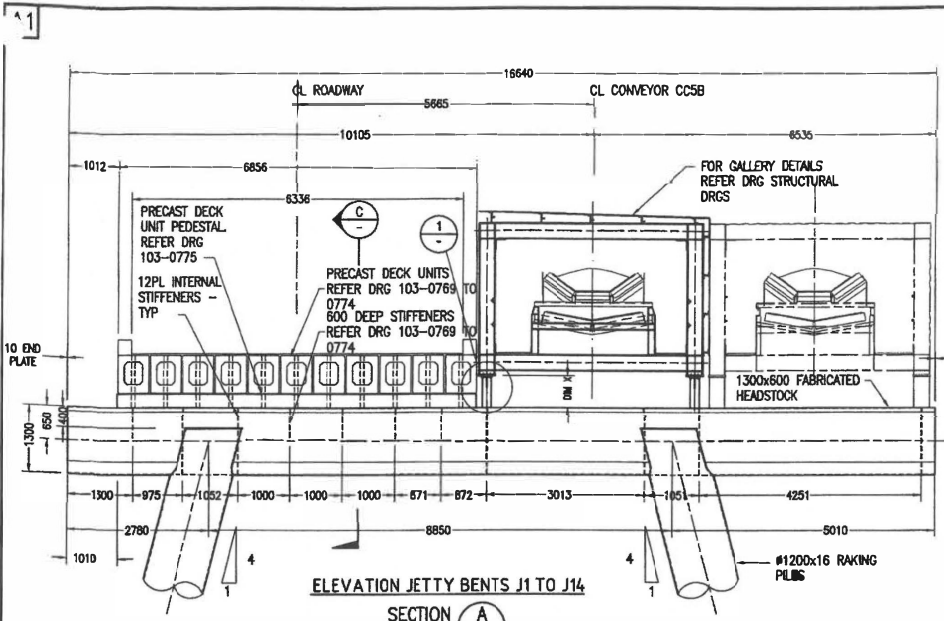
PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

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Date: 16 May 2022

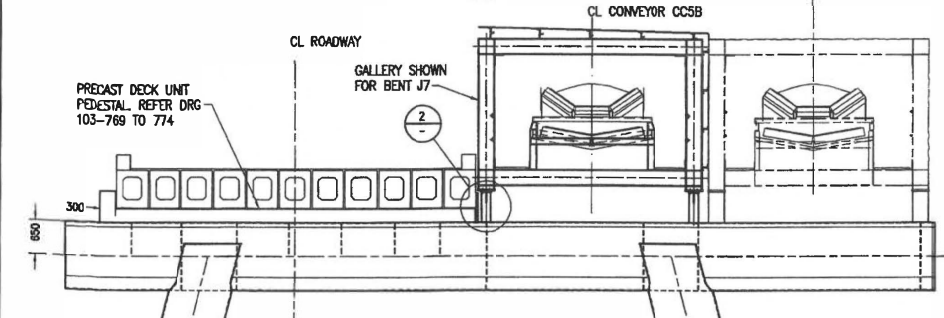


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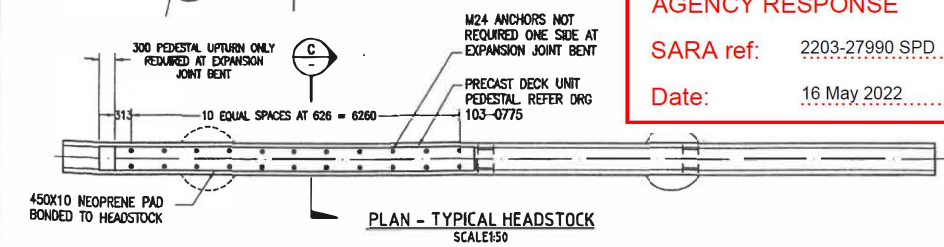


ELEVATION JETTY BENTS J1 TO J14

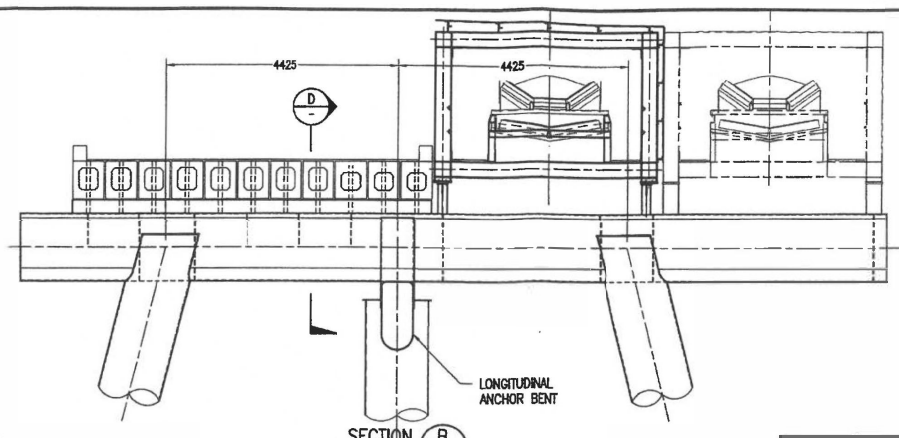
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SCALE 1:50



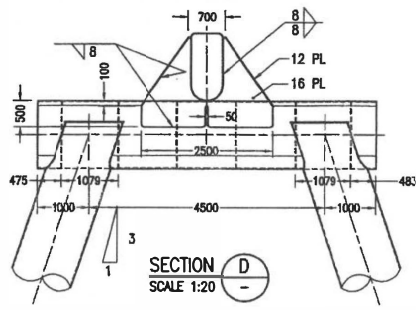
EXPANSION JOINT BENTS J7 AND J14



PLAN - TYPICAL HEADSTOCK
SCALE 1:50



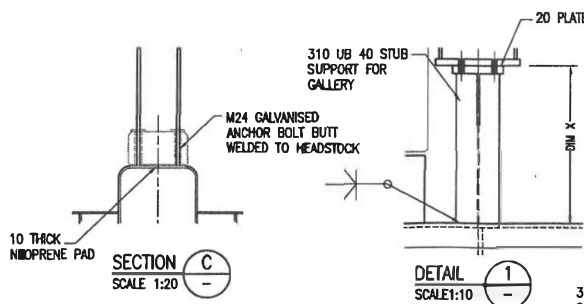
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SCALE 1:20



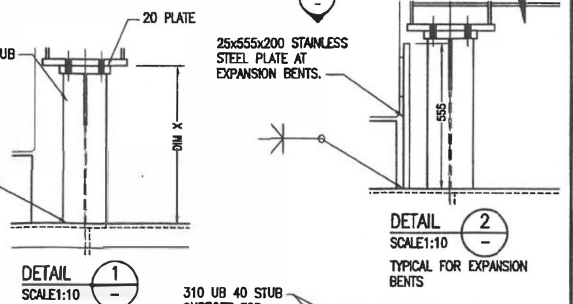
SECTION D
SCALE 1:20

HEADSTOCK	RL T.O.H
J1	RL 6.037
J2	RL 6.454
J3	RL 6.866
J4	RL 7.278
J5	RL 7.690
J6	RL 8.102
J7	RL 8.514
J8	RL 8.926
J9	RL 9.338
J10	RL 9.750
J11	RL 10.162
J12	RL 10.574
J13	RL 10.627
J14	RL 10.679

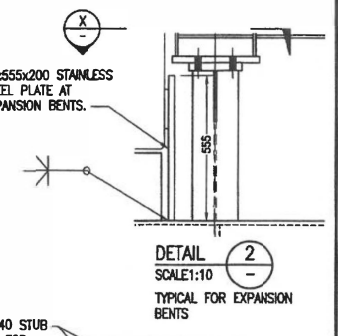
NOTE:
RL 'A' = T.O.H. LESS 650mm



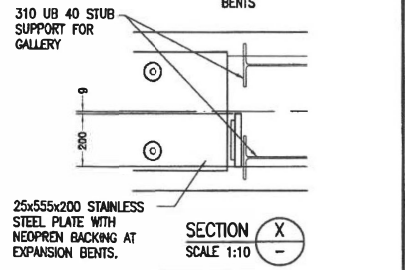
SECTION C
SCALE 1:20



DETAIL 1
SCALE 1:10



DETAIL 2
SCALE 1:10



SECTION X
SCALE 1:10

PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE
 SARA ref: 2203-27990 SPD
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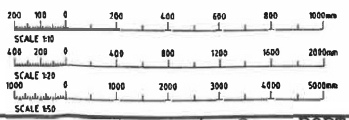
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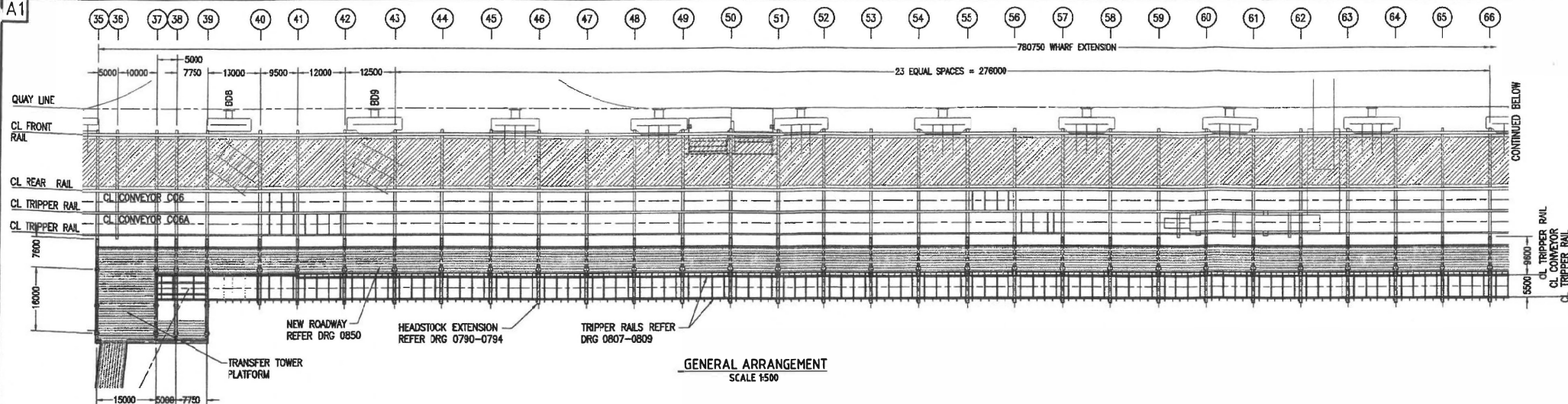
Connell HATCH
 CONSULTING ENGINEERS
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 HORIZONTAL - A.C.D. 88
 APPROVED: BUCHANAN/14.04.05

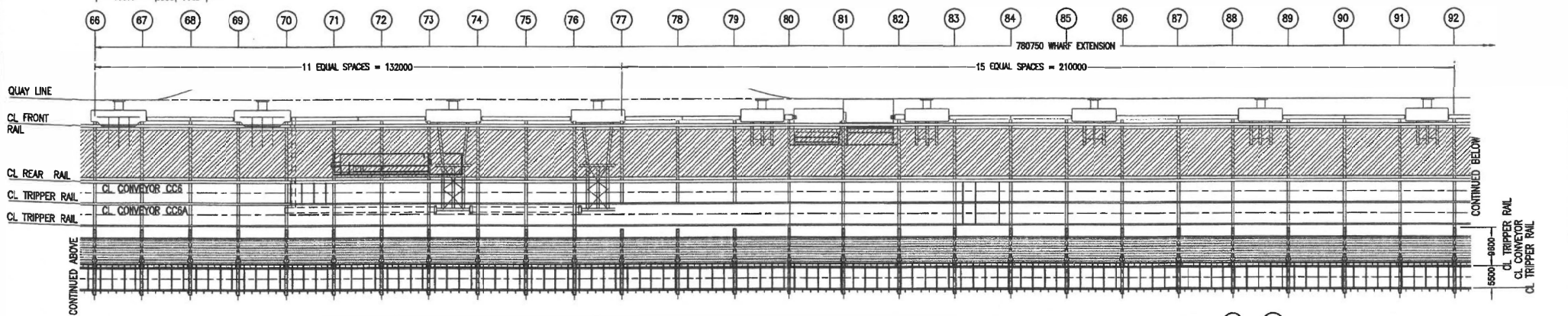
RG TANNA COAL TERMINAL
 BERTH 4 EXPANSION
 APPROACH JETTY
 JETTY BENTS 1 TO J13
 CLIENT No:
 DRAWING No:
103-0765
 REV: B FILE No: A1



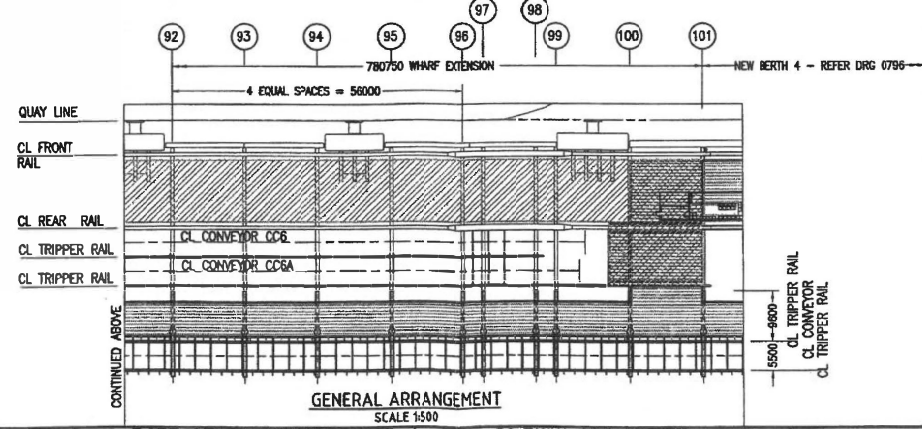
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GENERAL ARRANGEMENT
SCALE 1:500



GENERAL ARRANGEMENT
SCALE 1:500



GENERAL ARRANGEMENT
SCALE 1:500

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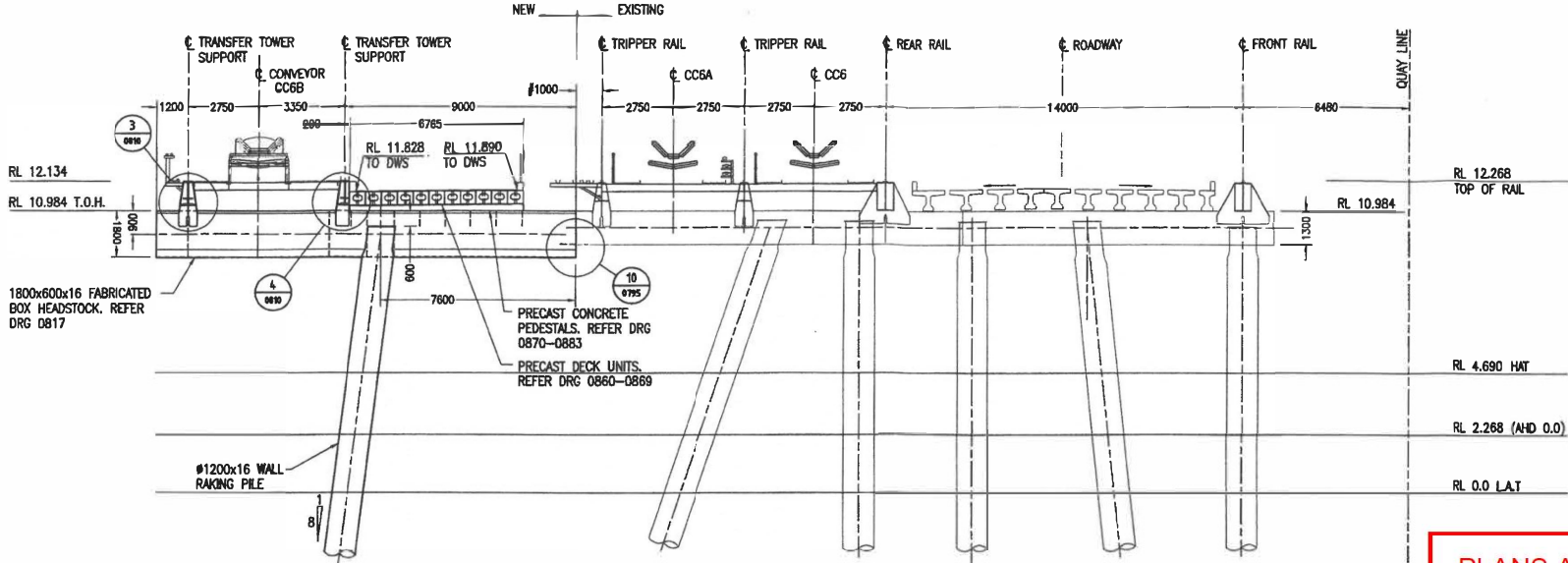
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 100 St George St, Brisbane QLD 4000
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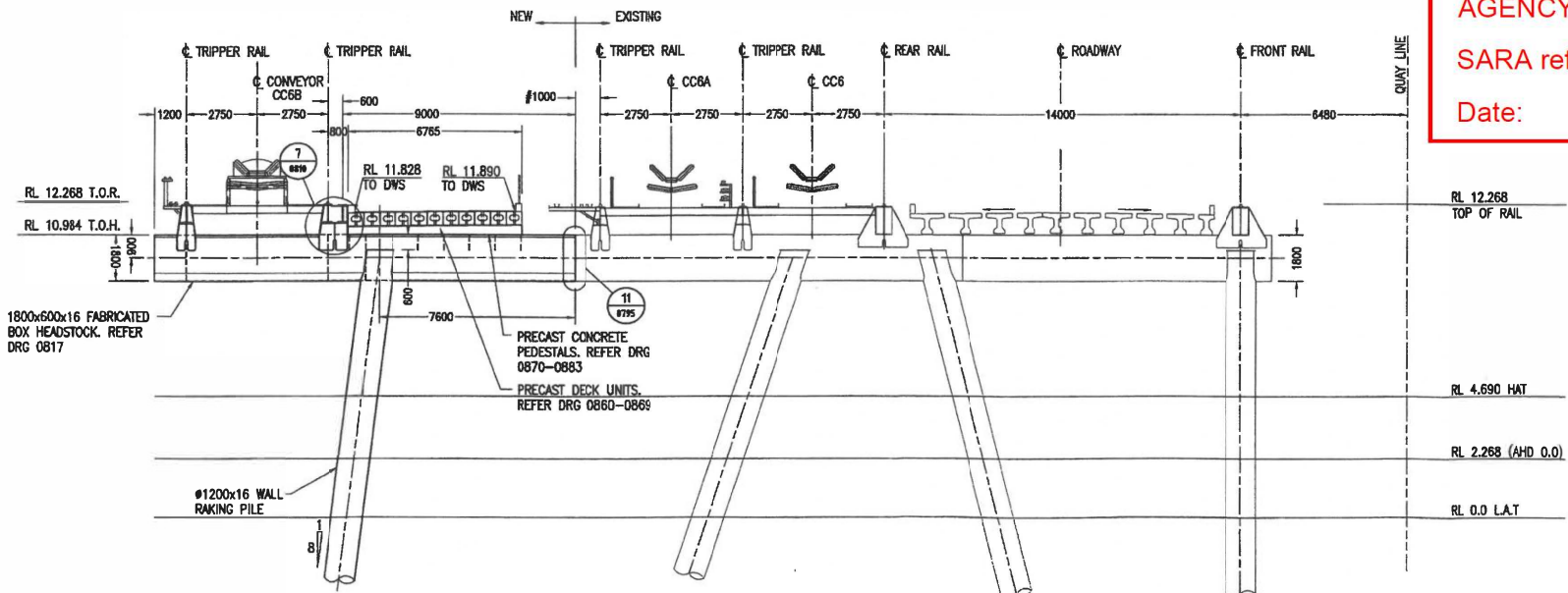
**RG TANNA COAL TERMINAL
 BERTH 4 EXPANSION
 EXISTING WHARF EXTENSION
 GENERAL ARRANGEMENT**

CLIENT No: 103-0780
 DRAWING No: 103-0780
 REV: A
 FILE No: A1

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ELEVATION - BENT 40
EXISTING BERTH 2
SCALE 1:100



ELEVATION - BENTS 41, 44 - 70
EXISTING BERTH 2
SCALE 1:100

PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE


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NOTE:
1. DIMENSIONS MARKED THUS # TO BE MEASURED ON SITE PRIOR TO COMMENCEMENT OF SHOP DRAWINGS GRINDING OF EXISTING HEADSTOCK ENDS (TO ENSURE GOOD WELD SURFACE) SHOULD BE ALLOWED FOR IN DIMENSIONING.

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 400 St Johns Rd, Brisbane QLD 4000
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 Email: sales@connelhatch.com.au

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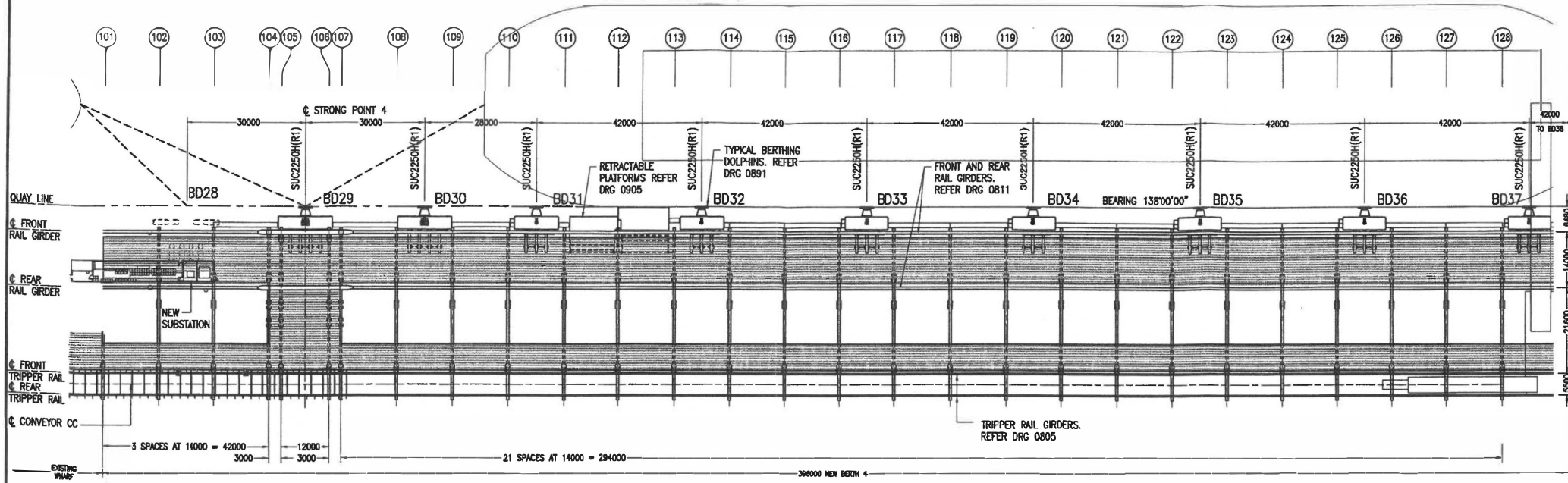
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APPROVED: *Buchanan* 14.04.05
 RPE6 6618

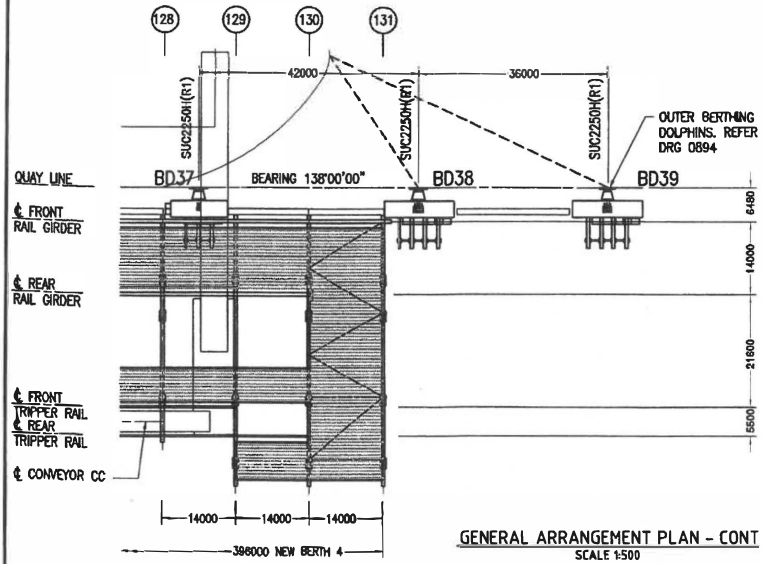
**RG TANNA COAL TERMINAL
 BERTH 4 EXPANSION
 EXISTING BERTH 2
 WHARF EXTENSION
 WHARF BENTS 40, 41, 44 - 70**

CLIENT No:	103-0791
DRAWING No:	
REV B	FILE No: A1

A1



GENERAL ARRANGEMENT PLAN
SCALE 1:500



GENERAL ARRANGEMENT PLAN - CONT
SCALE 1:500

PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE
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 1. All dimensions are in millimeters unless otherwise stated.
 2. All dimensions are in millimeters unless otherwise stated.
 3. All dimensions are in millimeters unless otherwise stated.

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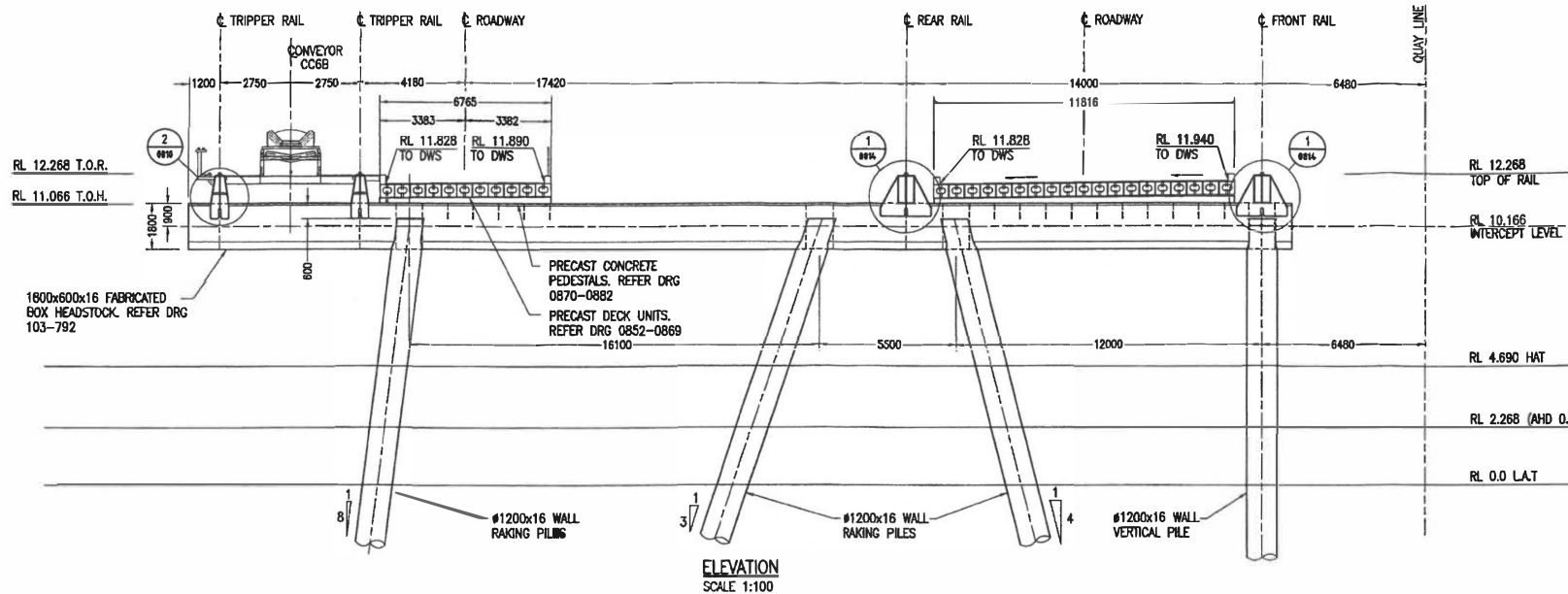
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HORIZONTAL - A.C.D. 66

DESIGN: Buchanan
 APPROVED: Buchanan 14.04.05
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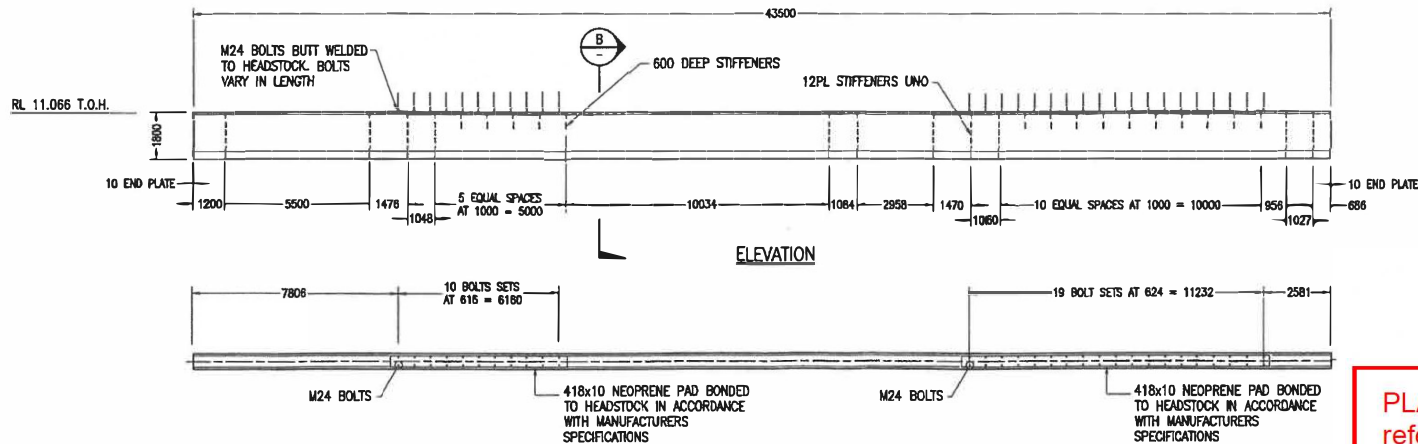
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BERTH 4 EXPANSION
BERTH 4
GENERAL ARRANGEMENT

CLIENT No:	
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REV:	B
FILE No:	A1

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ELEVATION
SCALE 1:100



PLAN

**TRANSVERSE HEADSTOCK DETAILS BENTS 102, 103, 108 TO 127
BERTH 4
SCALE 1:100**

PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE


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PORT OF GLADSTONE

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 ALL DIMENSIONS IN MM U.N.L.O.
 DO NOT SCALE

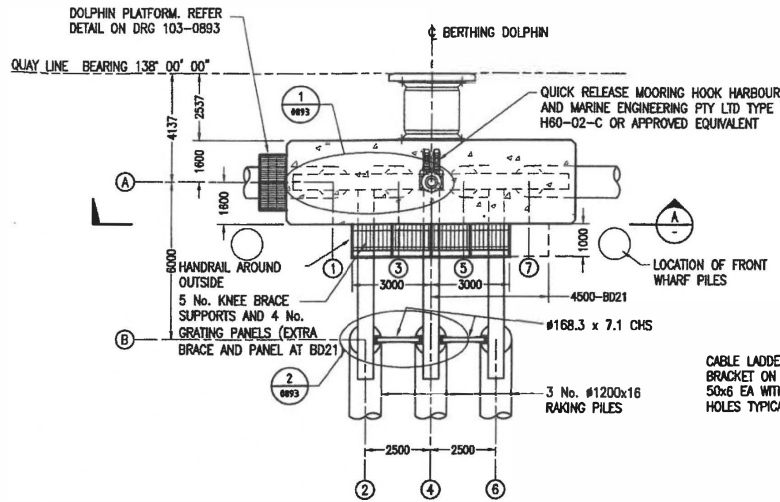
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APPROVED: *[Signature]* BUCHANAN 14.04.05
 RPEO 6618

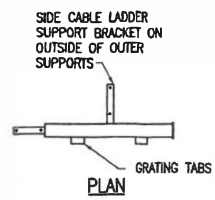
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BERTH 4 EXPANSION
BERTH 4
WHARF BENTS 102, 103, 108 - 127**

CLIENT No: DRAWING No: **103-0802**
 REV: B FILE No: A1

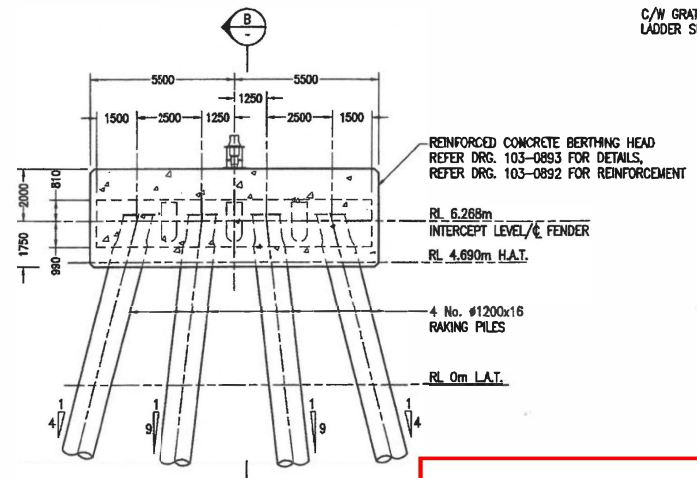
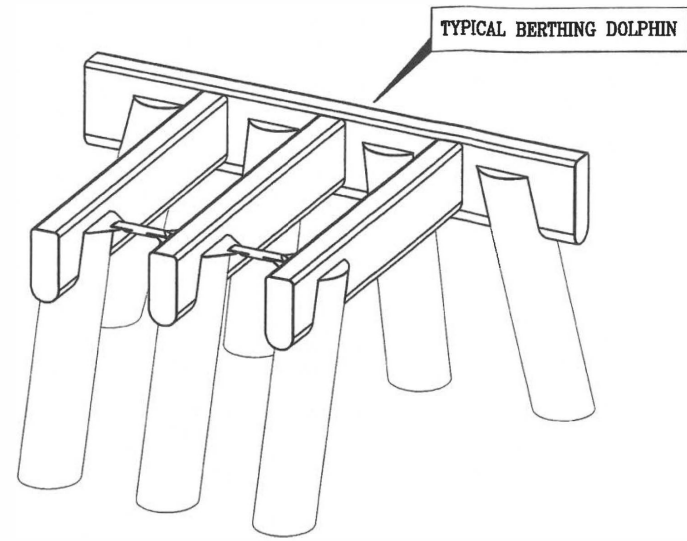
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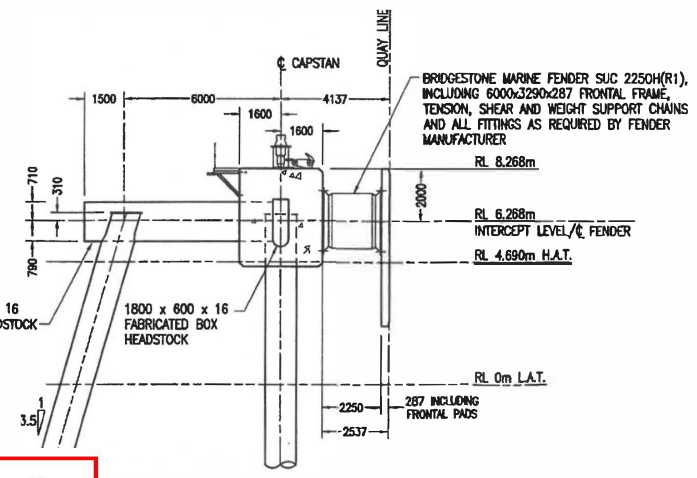
PLAN - BERTHING DOLPHINS BD31 TO BD37
SCALE 1:100



KNEE BRACE SUPPORT
SCALE 1:20
C/W GRATING TABS AND CABLE LADDER SUPPORT BRACKETS



SECTION A
SCALE 1:100



SECTION B
SCALE 1:100

PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

SARA ref: 2203-27990 SPD

Date: 16 May 2022

- NOTES:
- FOR STANDARD STEELWORK NOTES REFER DRG. 103-0748
 - FOR PILE DETAILS REFER DRG 103-0750

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NO.	DRG.	DATE	REVISION DESCRIPTION	APPR.	DRG. NO.	REFERENCE DRAWING TITLE
A	MMH	14.04.08	PRELIMINARY			
B	MMH	08.05.08	ISSUED FOR APPROVALS			

Connell HATCH
Connell Hatch Pty Ltd
 433 Boundary St, Eastwood, Qld 4114
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Telephone: +61 7 2348 2444
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 Email: info@connelhatch.com

PROJ: 14-08-08-01-01-01-01
 DRAWING: 103-0891
 DATE: 16 May 2022

© PORT OF GLADSTONE

* SIGNATURES ON ORIGINAL DRG
 ALL DIMENSIONS IN MM UNL.D.
 DO NOT SCALE

DATUMS :-
 LEVEL - L.A.T.
 HORIZONTAL - A.G.D. 88

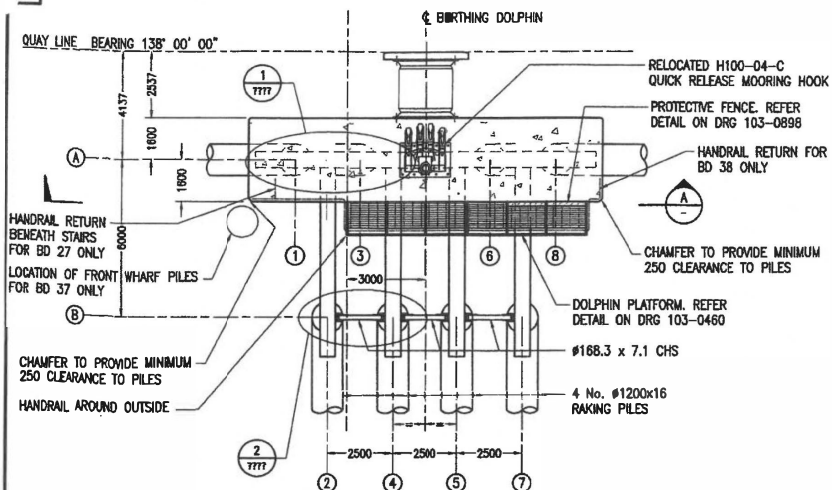
DRAWN*
 CHECK*
 DESGN*
 APPROV* *Richard 9/5/22*
RAEQ 6618

RG TANNA COAL TERMINAL
 BERTH 4 EXPANSION
 BERTHING DOLPHINS BD30 TO BD36
 GENERAL ARRANGEMENT

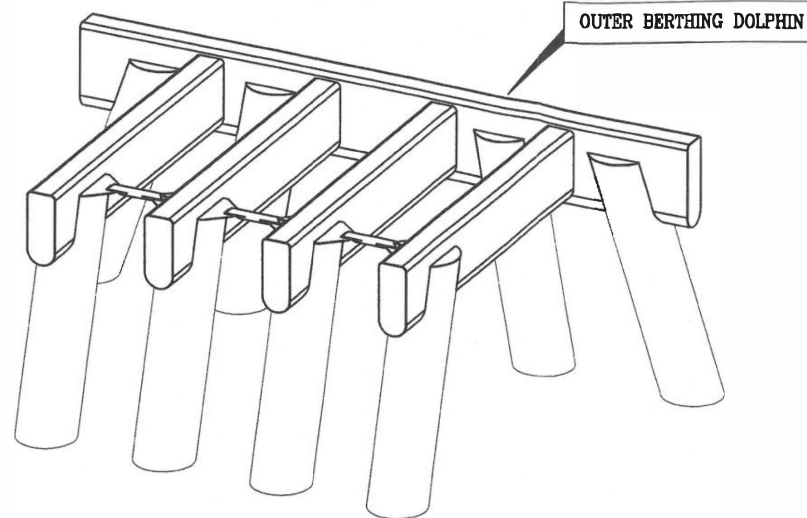
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 DRAWING No.
103-0891
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P:\01\Projects\Gladstone\Berth 4 Expansion\Berthing Dolphins\103-0891.dwg (103-0891.dwg) 14/05/2022 13:17

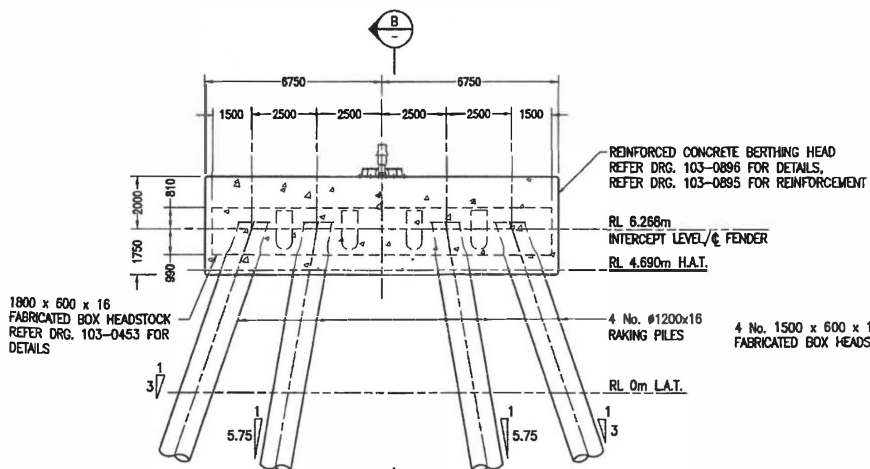
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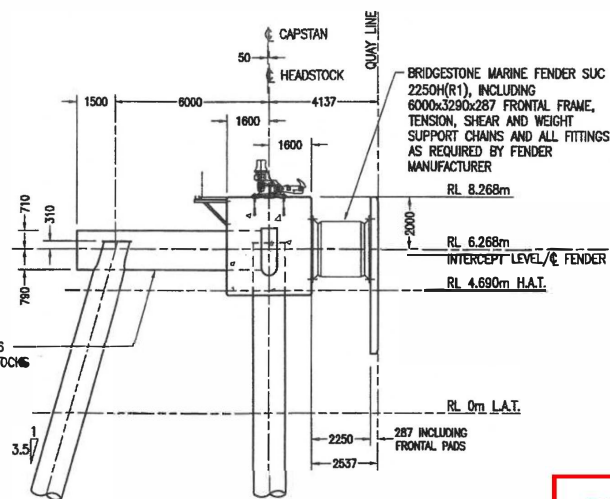
PLAN - BERTHING DOLPHINS BD29, BD30, BD38, BD39
SCALE 1:100



3D-VIEW



SECTION A
SCALE 1:100



SECTION B
SCALE 1:100

- NOTES:**
- FOR STANDARD STEELWORK NOTES REFER DRG. 103-0748
 - FOR PILE DETAILS REFER DRG 103-0750

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE



SARA ref: 2203-27990 SPD

Date: 16 May 2022

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NO.	DRN	DATE	REVISION DESCRIPTION
A	103-0894	ISSUED FOR APPROVALS	

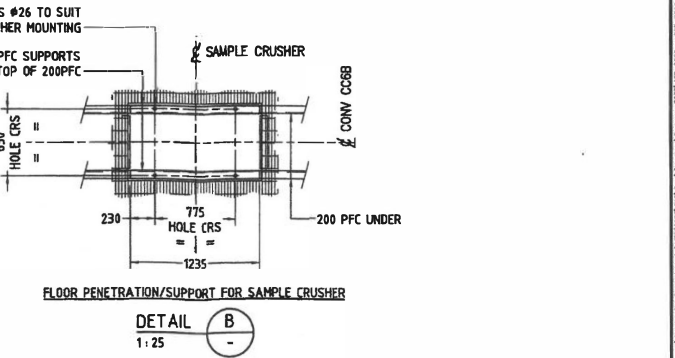
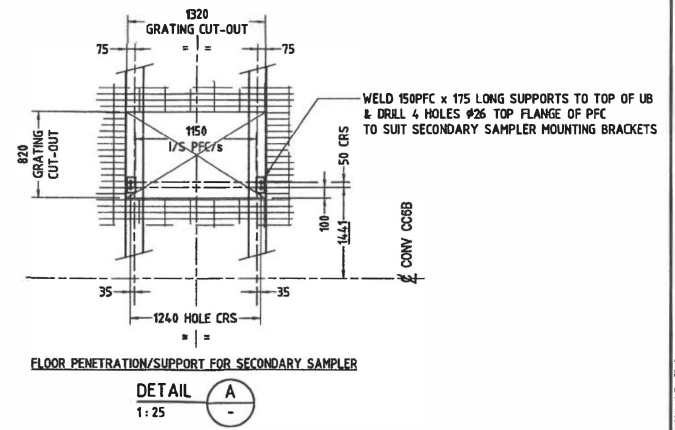
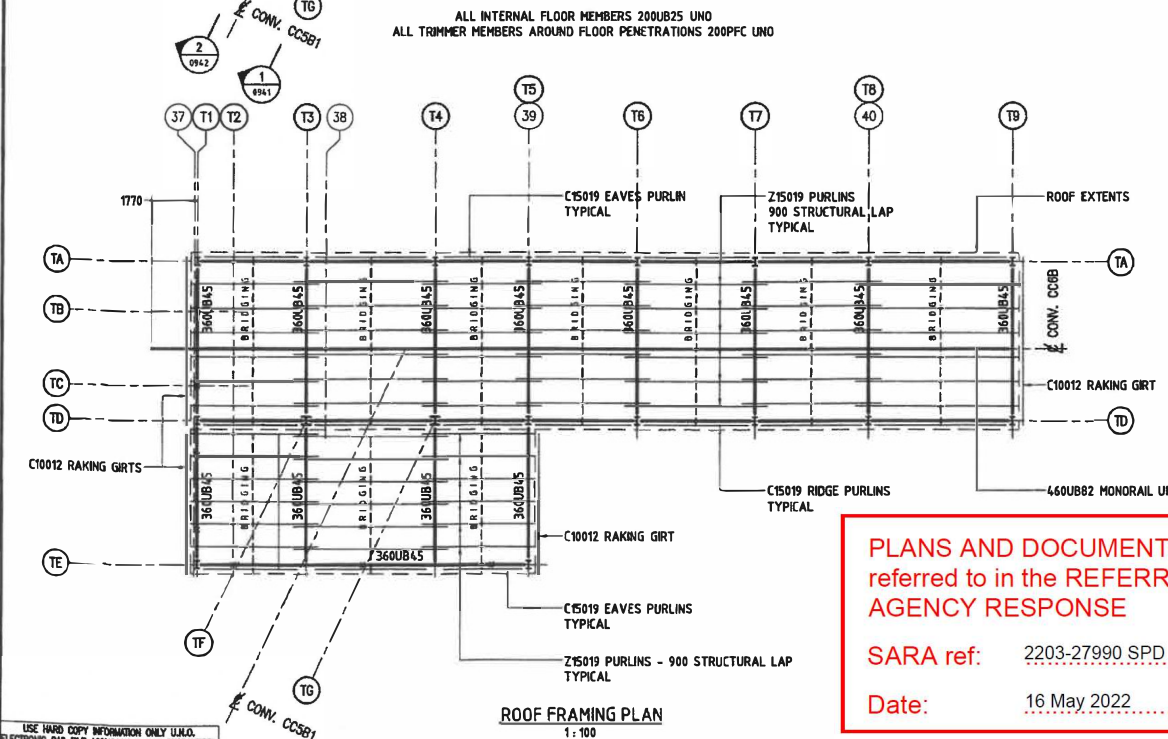
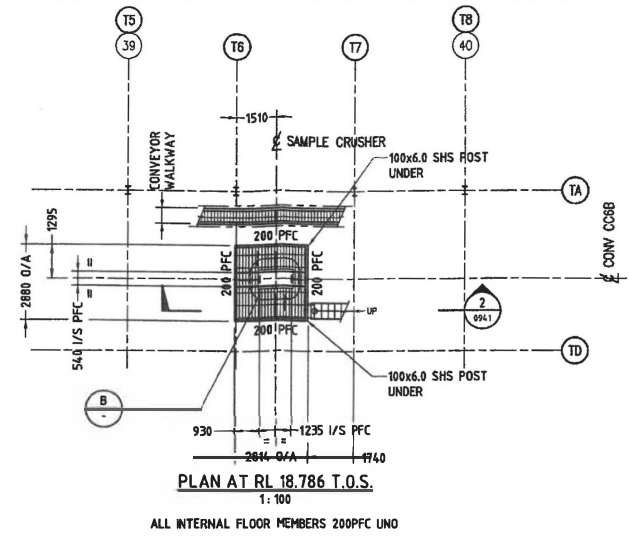
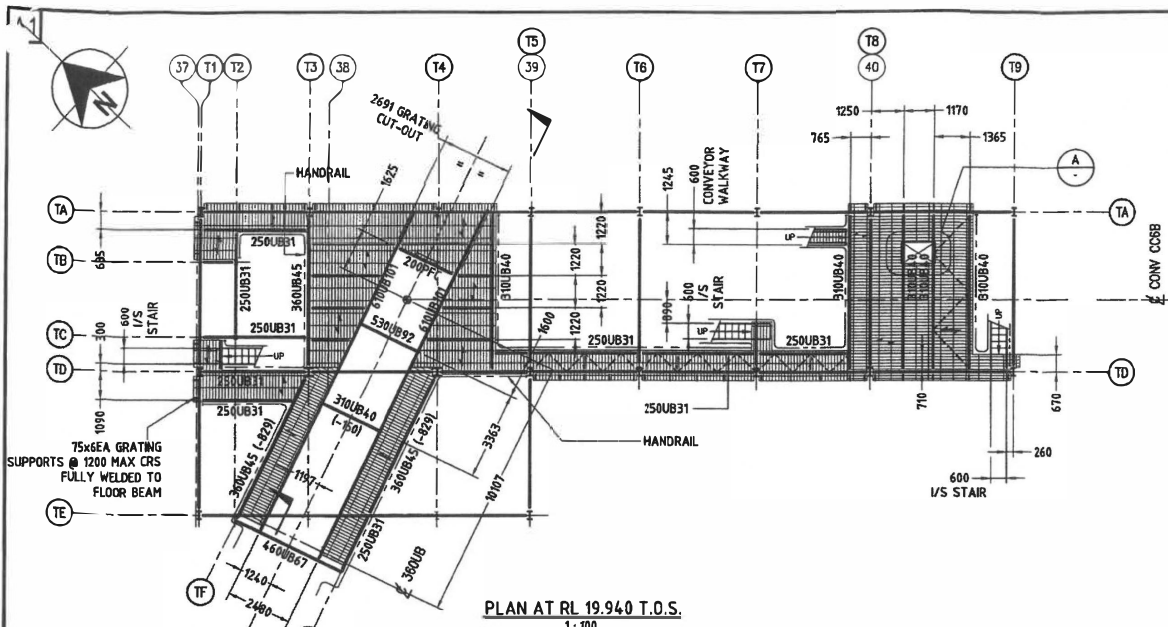
APPR	DRG. NO.	REFERENCE DRAWING TITLE

Connell HATCH
 433 Boundary St, Brisbane City QLD 4000 Australia
 Telephone: +61 7 3238 3344
 Facsimile: +61 7 3238 3145
 Email: info@connellhatch.com.au

PORT OF GLADSTONE	
* SIGNATURES ON ORIGINAL DRG	DRAWN*
ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED	CHECK*
DO NOT SCALE	DESIGN*
DATUMS -	APPROVED*
LEVEL - L.A.T.	
HORIZONTAL - A.G.D. 86	

RG TANNA COAL TERMINAL BERTH 4 EXPANSION BERTHING DOLPHINS BD29, BD37, BD38 GENERAL ARRANGEMENT	
CLIENT No:	103-0894
DRAWING No:	
REV: A	FILE No: A1

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PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

SARA ref: 2203-27990 SPD

Date: 16 May 2022

NO. / REV. / DATE		REVISION DESCRIPTION	APPR.	DRG. NO.	REFERENCE DRAWING TITLE
A	01	ISSUED FOR APPROVALS		103-0938	TRANSFER / SAMPLE TOWER ARRANGEMENT - PLANS - SHEET 1 OF 2
				103-0940	TRANSFER / SAMPLE TOWER ARRANGEMENT - ELEVATIONS - SHEET 1/2
				103-0941	TRANSFER / SAMPLE TOWER ARRANGEMENT - ELEVATIONS - SHEET 2/2
				103-0942	TRANSFER / SAMPLE TOWER ARRANGEMENT - ELEVATIONS - SHEET 2/2
				103-0943	TRANSFER / SAMPLE TOWER ARRANGEMENT - SHEET 1 OF 3
				103-0944	TRANSFER / SAMPLE TOWER - DETAILS - SHEET 2 OF 3

Connell HATCH
Engineering & Construction
Level 11/111, 111 St. George's Quay, Brisbane QLD 4000
Tel: 07 3251 1111
Fax: 07 3251 1112
www.connellhatch.com.au

PORT OF GLADSTONE
3RD ANGLE PROJECTION
UNO
ALL DIMENSIONS IN MILLIMETRES (I.E.D.)
DO NOT SCALE

SCALE AT A1:
DRAWN: JCW 04/05
CHECKED:
DESIGN:
APPROVED: *Sheehan 9/5/05*
RPEA 6618

**RG TANNA COAL TERMINAL
BERTH 4 EXPANSION
CONVEYOR CC88
TRANSFER / SAMPLE TOWER ARRANGEMENT
PLANS - SHEET 2 OF 2**

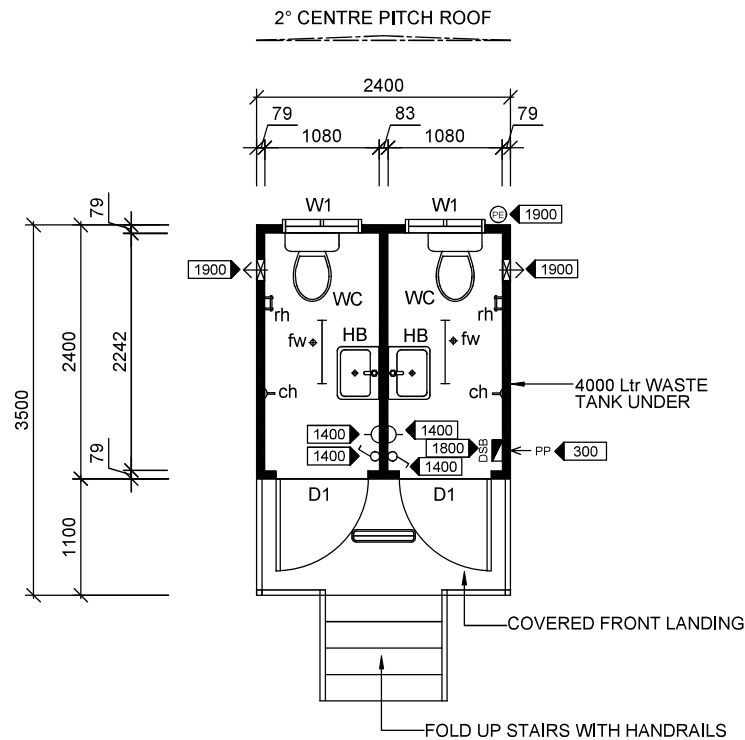
CLIENT No:
DRAWING No:
103-0939
REV. A FILE No: H88301CS A1

P:\CA\Projects\Tanna_Coal_Terminal\BERTH_4_EXPANSION\CONVEYOR_CC88\103-0939.dwg

Colour Schedule

External		
Cladding	-	Surfmist
Roof	-	Zincalume
Capping	-	Surfmist
Doors	-	White
Windows	-	White

Internal		
Vinyl (R10)	-	Grey
Walls	-	Grey
Ceiling	-	White



3.5x2.4m Toilet Block - Floor Plan

Scale 1:50

Item List

Item	Qty	Description
D1	x(2)	2040x820mm External Metal Clad Door With Door Vent, Privacy Set & Door Closer.
W2	x(2)	300x750mm Sliding Obscure Glass Window With Flyscreen.
WC	x(2)	Toilet Pan With Dual Flush Cistern - 'P' Trap.
HB	x(2)	Stainless Steel Hand Basin - Cold Only, Mirror Over (Basin Waste - 'P' Trap Through Rear Wall Of Building).
rh	x(2)	Roll Holder.
ch	x(2)	Coat Hook.
fw	x(2)	Floor Waste.

Notes

- Built To Multitrade Building Hire Specifications.
- 150x75mm PFC Bearers & C10015 Floor Joists @ 600mm Ctrs.
- 19mm T&G F11 Plywood Flooring.
- 2mm Commercial R10 Slip Resistant Vinyl, Covered In Wet Areas.
- 2155mm Internal Ceiling Height.
- Horizontal 'Panelrib' Profile External Colorbond Cladding.
- Zincalume 'Trimdek' Profile Roof Sheeting.
- Pre-finished Plywood Internal Wall & Ceiling Lining With PVC Joiners, Cornice, Skirting & Corner Moulds.
- Wall & Ceiling Insulation.
- 4000L Waste Tank Under The Building.
- Plumbing Waste Harassed Into 4000L Waste Tank.

Electrical Legend

Icon	Qty	Description
	x(1)	Internal Lockable 12 Pole Distribution Switchboard With Double Pole Main Switch, Double Pole Circuit Breakers & Light Test Point.
	x(1)	Plug In - Electrical Point Of Entry.
	x(2)	Light Switch (Double Pole)
	x(2)	10amp Single GPO (Double Pole).
	x(2)	600mm LED Internal Light Fitting.
	x(1)	600mm LED External Light Fitting.
	x(1)	PE Cell With Bypass Switch.
	x(2)	Wall Mounted Exhaust Fan



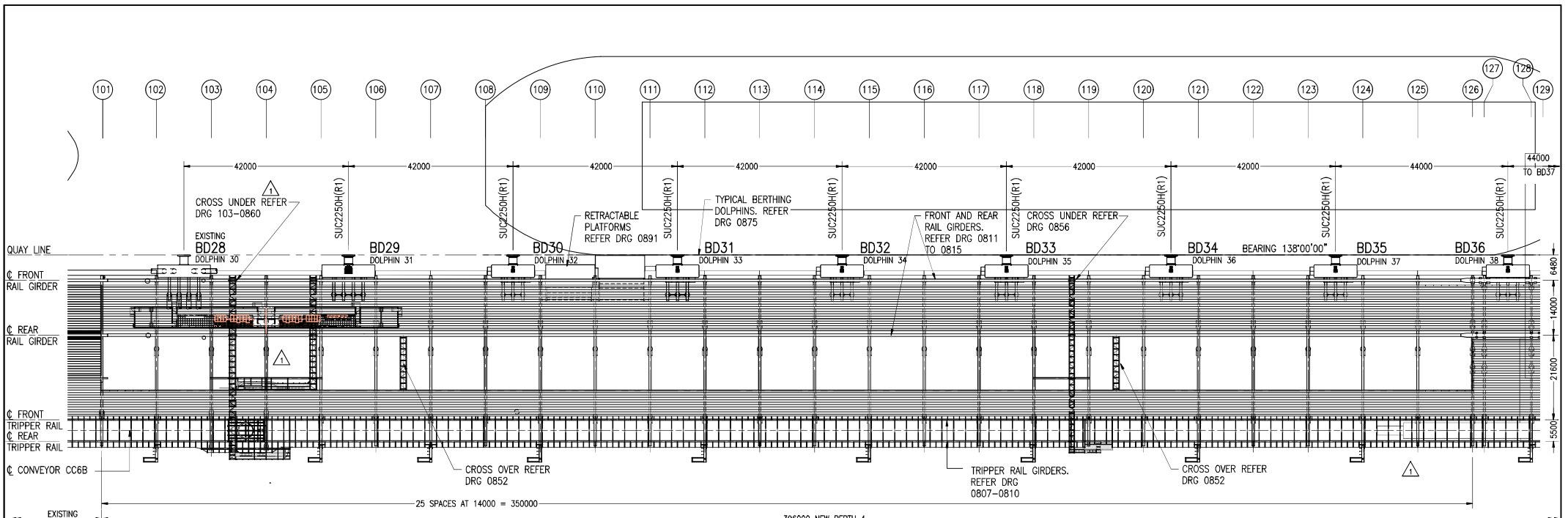
CLIENT APPROVAL

Signature:		Date:	
Rev.	Description	Date	By
A	Issued For Client Review	16/10/20	BW

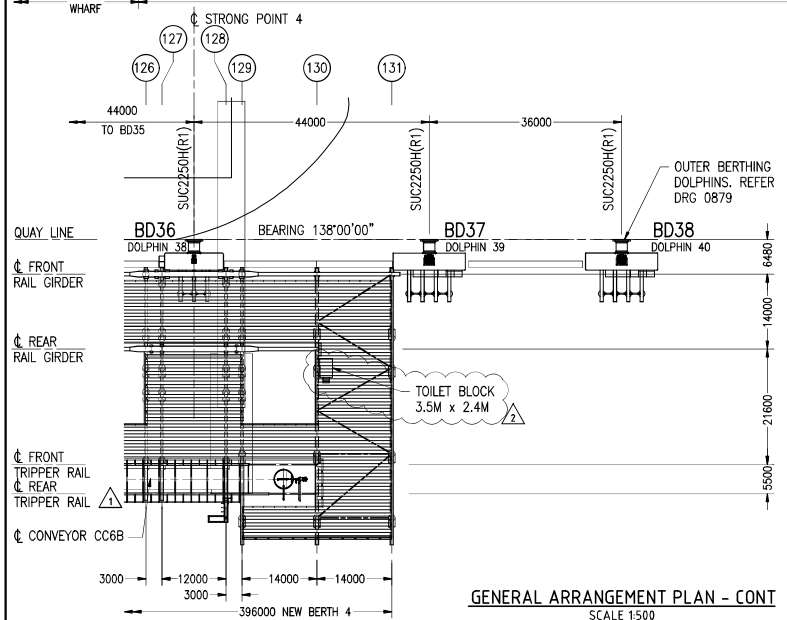


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CLIENT	DATE	
GPCL	16/10/20	
TITLE	SCALE	
3.5x2.4m TOILET BLOCK - FLOOR PLAN	1:50	
DESIGN WIND LOAD	DRAWN	CHECKED
C2 (W50C)	BW	
DRAWING NUMBER	REVISION	SHEET SIZE
SQF-3754-01	A	A3



GENERAL ARRANGEMENT PLAN
SCALE 1:500



GENERAL ARRANGEMENT PLAN - CONT
SCALE 1:500



Gladstone Ports Corporation

APPROVED

Name: Erin Clark
Date: 3:36pm 08/09/2022

UILT

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REV	BY	DATE	REVISION DESCRIPTION
0	MMB	10.04.06	ISSUED FOR CONSTRUCTION
1	KPH	??	AS BUILT, (SUBSTATION 11 AMENDED TO SUIT REVISED ELECTRICAL LAYOUT)
2	BK	01.07.21	TOILET BLOCK ADDED & BORDER UPDATED

CHKD	DESIGN	APPR	DRG. NO.	REFERENCE DRAWING TITLE
		GRH		
		AMS		

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3RD ANGLE PROJECTION U.N.O.
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DO NOT SCALE.



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GLADSTONE PORTS CORPORATION			
SCALE AT A1:			
DRAWN	MMB	05.04.06	
CHECK	CHT	05.04.06	
DESIGN	DME	05.04.06	
RPEQ			
APPROVE	GRH	05.04.06	

**R.G. TANNA COAL TERMINAL
BERTH NO.4
EXPANSION PROJECT
GENERAL ARRANGEMENT**

Ext. Ref. No.	
GPC DRAWING No.	103-00796
Asset/Part No.	
REV. JDE Ref/Rego No.	2