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Northland Regional Council
Private Bag
Whangarei

Attention: Mr Paul Maxwell.

1 March 2023.

Dear Paul,

Re; Proposed Renewal of Northland Regional Council Resource Consent Mill Bay : Occupation Area, Pontoon and Jetty.

Our clients – Far North Holdings Limited [FNHL] on behalf of Far North District Council [FNDC] seek to renew authorisations AUT .010526.01.01 and AUT.005490.02.01 which approves the activity ‘to occupy the coastal marine area at Mill Bay’ and “ to alter the existing jetty and place a floating pontoon “ at Mill Bay, Mangonui .

The activities are set to expire on the 30th June 2023. The existing authorisations now sit in the three to six months before the consents expiry. We seek the discretion of NRC for these activities to continue operation.

The proposed renewal is surmised as relatively low risk and existing with no apparent resource management issues or effects resulting. We would anticipate given the existing nature of the activity, and the proposal for renewal to be relatively straightforward however provide the following information in support of the proposal.

Please do not hesitate to contact me should you require any further information.

Yours faithfully,

A handwritten signature in black ink, appearing to read "S Sanson".

Steven Sanson

Consultant Planner

PROPOSED RESOURCE CONSENTS [REAPPROVAL]

Far North Holdings Limited and Far North District Council – Mill Bay

1.0 INTRODUCTION

- 1.1 Our clients seek resource consent [renewal] to allow for the activity undertaken at Mill Bay as outlined in the current authorisations reference AUT .010526.01.01 and AUT.005490.02.01 which approves the activity ‘to occupy the coastal marine area at Mill Bay’ and “ to alter the existing jetty and place a floating pontoon “ at Mill Bay, Mangonui.
- 1.2 The proposed activity is an existing activity and relates to the occupation area surrounding the concrete boat ramp and the exiting jetty and pontoon at Mill Bay along with approval to alter the existing jetty and place a floating pontoon, gangway and nine piles.
- 1.3 The activity and existing authorisations are set to expire on 30 June 2023. Given the renewal timing it is considered appropriate to embody further modifications and extensions to the jetty and pontoon which will enable the consent holder to program this upgrading work.
- 1.4 The following Assessment of Environmental Effects [AEE] supports granting the existing authorisation with the same or similar type conditions, noting that a new condition suite is likely given the age of the consent and the change to Regional Planning documents since its approval.
- 1.5 The upgrading of the facilities will improve the efficiency of their operation but is considered to sit within the overall scope of the current approval.

2.0 SITE AND LOCALITY DESCRIPTION

- 2.1 The site is located within the Coastal Marine Area, commonly known as Mill Bay and generally located in the township / area within the Far North District known as Mangonui. **Figure 1** provides the general location of the site where activities are already approved. The application area is within the **Mooring Zone [Figure 2A]** and the Marine 4(Controlled Mooring) Management Area [**Figure 2B**] -



Figure 1 - General Location

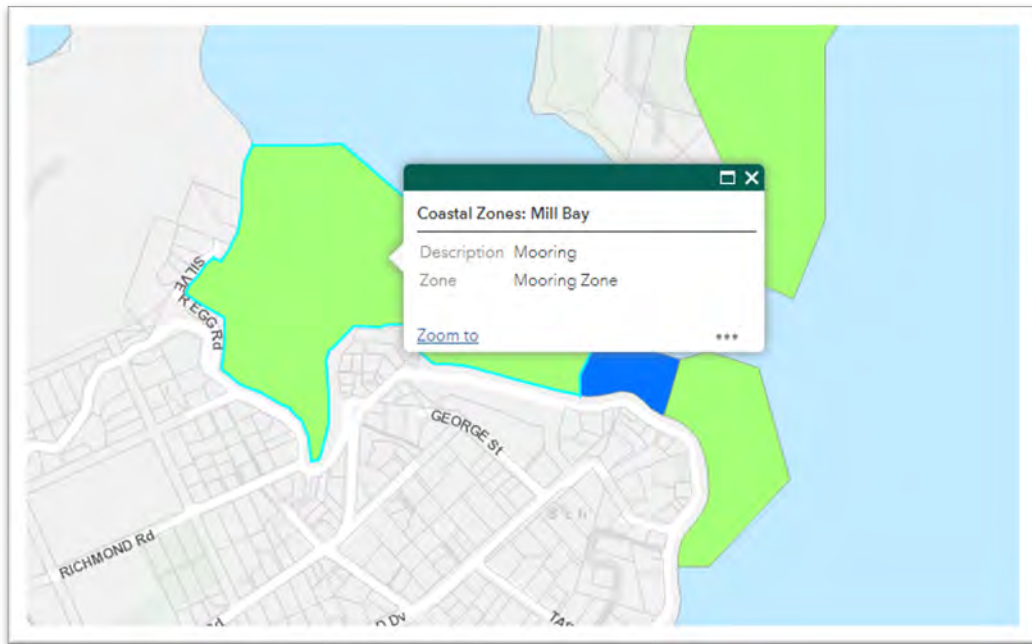


Figure 1A – Proposed Regional Plan

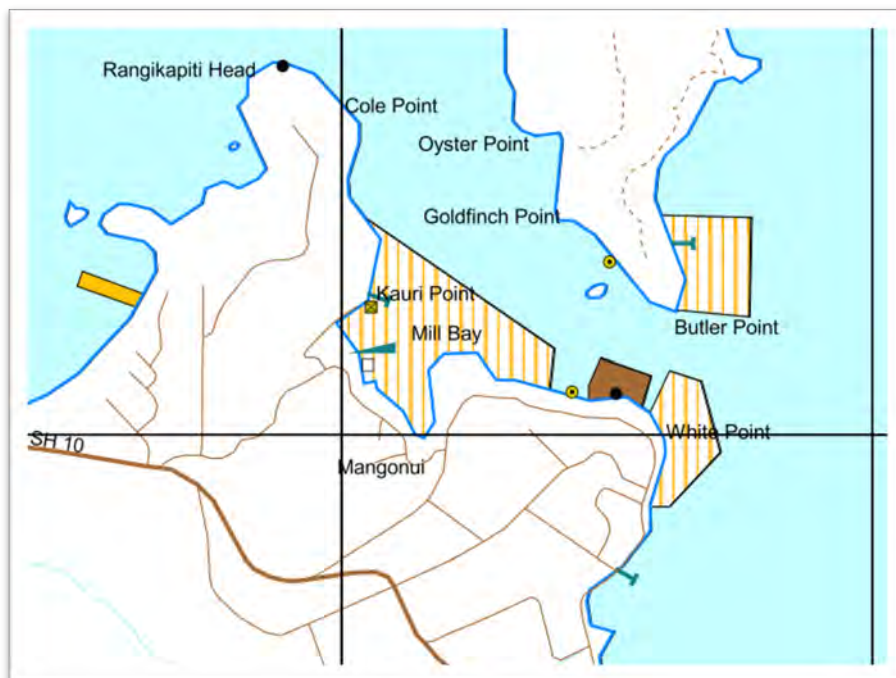


Figure 2 B – Regional Coastal Plan

2.2 The existing facilities are regularly used by locals and holiday makers throughout the year and provide a key point of access to and from the coastal marine area. These facilities are part of the Mangonui community which have been developed over a number of years. **Figure 3** provides a snapshot of the application site and surrounds.

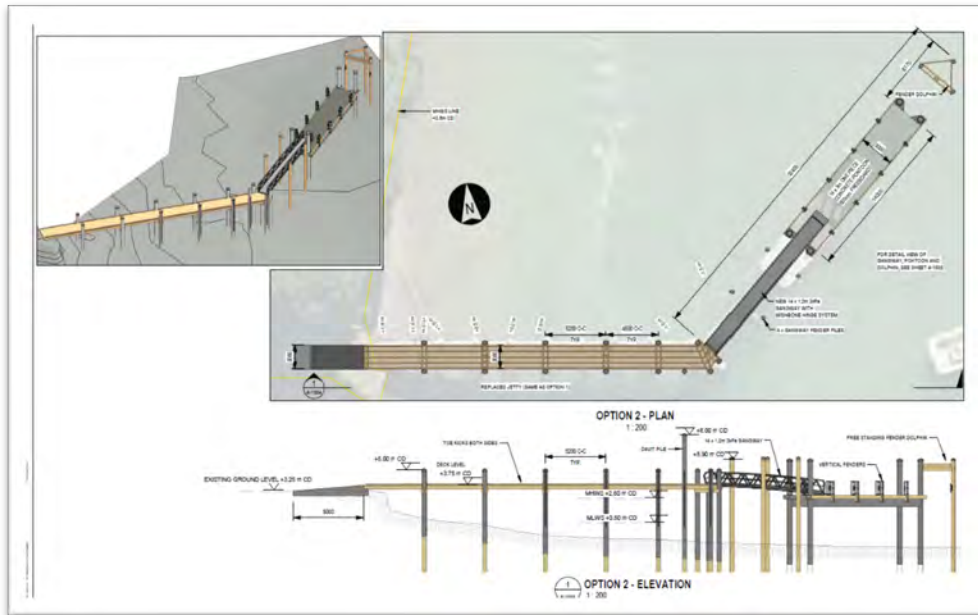


Figure 3 - Ramp and Jetty and Pontoon

- 2.3 There are a number of moorings within Mill Bay but these are not being affected by the activities sought.
- 2.4 In terms of existing seabed material and plants and animals at the site of the activity, we defer to the previous information collated and provided to the Northland Regional Council.
- 2.5 In terms of cultural, historic, scenic features and food gathering areas within 500m of the site, the FNDC maps note the coastal marine area as being within a Statutory Acknowledgment Area for Ngatikahu Ki Whangaroa as outlined in the plan referenced as OTS-116-18. Given the purpose of the applications for renewal and the minor alterations in terms of make-up proposed, this party is not considered adversely affected by the proposal given its minor nature and make up.
- 2.6 There are no other known attributions for the site and surrounds to consider in relation to the above matters, noting however that recreational fishing and food gathering is likely at various nooks and via vessel within the broader Mangonui Harbour.

3.0 DESCRIPTION OF THE ACTIVITY

- 3.1 The activity involves the replacement of the existing authorisations as discussed previously in this report. These relate to renewing the two Occupation Areas along with allowing the presence of the existing jetty , gangway and pontoon and associated piles and the proposed upgrading of existing jetty, gangway and pontoon.
- 3.2 The upgrading of the facilities involve renewing like for like in timber other than the structural piles which will be sleeved with HDPE . The existing pontoon will be replaced with a concrete one which is 5m longer than the current plastic one, and the footprint will increased to the north [harbour entrance] by the same amount. No moorings are affected. The extent of the upgrading is shown below –



4.0 CONSENTING FRAMEWORK

- 4.1 The existing approval was granted under the auspices of the Northland Regional Council Operative Regional Costal Plan [ORCP]. While the ORCP remains valid it has effectively been replaced by Council’s new Proposed Regional Plan Appeals Version August 2022 [PRP]. For the purposes of this renewal, only the PRP has been assessed, however if the ORCP is required to be assessed please advise.
- 4.2 As outlined earlier, the proposed site / activity is located in the **Mooring Zone**. As also outlined, the proposal is for a renewal consent i.e. the activity is existing and has been given effect to. In this regard, the activity is subject to the following rules:

Proposed Regional Plan – Mooring Zone :

C.1.1.21 Structures in Mooring and General Marine Zones – discretionary activity²⁴

The erection, reconstruction, placement, alteration, extension, maintenance, repair, removal, or demolition of a structure in a Mooring Zone or the General Marine Zone and any occupation of the common marine and coastal area by the structure that is not a permitted, controlled, restricted discretionary or non-complying activity in Section C.1.1 of this Plan, and the use of the structure are discretionary activities, provided:

- 1) it is not in a mapped (refer to Maps | Ngā mahere matawhenua):
 - a) Nationally Significant Surfbreak, or
 - b) Regionally Significant Anchorage, or
 - c) Outstanding Natural Feature, or
 - d) Area of Outstanding Natural Character, or
 - e) Site or Area of Significance to tāngata whenua, or
 - f) Historic Heritage Area, and
- 2) there is no removal, demolition, partial demolition or replacement of a mapped Historic Heritage Site or part of a Historic Heritage Site (refer to Maps | Ngā mahere matawhenua), and
- 3) the structure has a functional need to be located in the coastal marine area.

For the avoidance of doubt this rule covers the following RMA activities:

- Erection, reconstruction, placement, alteration, extension, maintenance, repair, removal or demolition of a structures in, on, under or over any foreshore or seabed and any incidental disturbance of the foreshore or seabed (s12(1) and s12(3)).
- Occupation of the common marine and coastal area with a cable (s12(2)).
- Use of a structure in the coastal marine area (s12(3)).

4.3 Accordingly, under the relevant plan subject to attaining the matters within the rule, the proposal is considered as a **Discretionary Activity**. In this regard matters 1) and 2) are not applicable and matter 3) is relevant as the facilities do have a functional need to be located in the coastal marine area.

4.4 Section 104B which applies to a Discretionary Activity specifies the following –

104B Determination of applications for discretionary or non-complying activities

After considering an application for a resource consent for a discretionary activity or non-complying activity, a consent authority—

- (a) may grant or refuse the application; and
- (b) if it grants the application, may impose conditions under section 108.

4.5 No other activities or consents are sought under this plan and as such Discretionary activity consent is sought.

5.0 STATUTORY CONSIDERATIONS

5.1 Section 104 of the RMA states that when considering an application for a resource consent, “the consent authority must, subject to Part II, have regard to (1) –

- (a) any actual and potential effects on the environment of allowing the activity; and
- (b) any relevant provisions of –

- (i) a national environmental standard:
 - (ii) other regulations:
 - (iii) a national policy statement:
 - (iv) a New Zealand Coastal Policy Statement:
 - (v) a regional policy statement or proposed regional policy statement:
 - (vi) a plan or proposed plan; and
- (c) any other matter the consent authority considers relevant and reasonably necessary to determine the application.”

a) Section 104 (1)(a) Any actual or potential effects on the environment of allowing the activity

5.2 The application seeks to renew existing facilities and to allow for modifications to the jetty, gangway and pontoon . These facilities enhance access to the coastal marine area which is used by locals and visitors to the area. There is no change to the presence of the existing concrete boat ramp. The jetty, gangway and pontoon would remain as is until such time as the modifications were undertaken.

5.3 These modifications entail the following –

- renewing like for like in timber other than the structural piles which will be sleeved with HDPE;
- the existing plastic pontoon will be replaced with a concrete one which is 5m longer ;
- replacing the existing 10.0m gangway with a 14.0m gangway ;
- installing additional piles; and
- relocating dolphin piles.

5.4 While the modifications increase the footprint of the existing facility they have no effect upon any existing mooring. The extension does not affect navigational areas.

- Water Quality

Apart from short term effects generated by the removal of existing piles and the driving of new piles , effects on water quality are considered to be temporal and readily assimilated into the water column. These activities are not known to have created long term effects or effects beyond those which can occur with vessels moving the seabed through prop thrust.

- Efficiency of Service Provision

The exiting jetty, gangway and pontoon while currently functional can be more efficiently utilised through the modifications proposed. Larger vessels along with more vessels due to the increased length can make use of the facilities , demand for which has increased over the years. This ensuring more efficient use of the existing infrastructure.

- Tangata Whenua

Consultation will be served concurrently in terms of the Coastal and Marine Area Act 2011, and served to the appropriate parties as provided by NRC.

b) Section 104 (1)(b)(i) Any relevant provisions of a national environmental standard or other regulations

- 5.5 The current operative national environmental standards include the following:
- National Environmental Standards for Air Quality 2004
 - National Environmental Standards for Sources of Human Drinking Water 2007
 - National Environmental Standards for Electricity Transmission Activities 2009
 - National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health 2011
 - National Environmental Standards for Telecommunications Facilities 2016
 - National Environmental Standards for Plantation Forestry 2017
 - National Environmental Standards for Freshwater 2020
 - National Environmental Standards for Marine Aquaculture 2020
 - National Environmental Standards for Storing Tyres Outdoors (awaiting gazette notice August 2021)
- 5.6 None of these standards are considered to have relevance with the application at hand.

c) Section 104 (1)(b)(iii) and (iv) Relevant national policy statements or NZ Coastal Policy Statement

- 5.7 The current operative national policy statements include:
- New Zealand Coastal Policy Statement 2010
 - National Policy Statement for Renewable Electricity Generation 2011
 - National Policy Statement on Urban Development 2020
 - National Policy Statement for Freshwater Management (and the associated National Environmental Standards) 2020
 - National Policy Statement on Electricity Transmission 2008
 - National Policy Statement for Highly Productive Land 2022
- 5.8 Other than the New Zealand Coastal Policy Statement [NZCPS] , none of these policy statements are directly applicable to this proposal.
- 5.9 The site is located within the coastal environment, and as such the New Zealand Coastal Policy Statement [NZCPS] is relevant to this application. The NZCPS contains 7 objectives and a number of policies grouped under 29 headings. The most relevant objectives are those relating to enhancing recreational opportunities [Objective 4]; appropriate development and activities [Objective 6] and activities within the coastal environment [Policy 6]. These relevant objectives and policies are set out below.
- **Objective 4**
To maintain and enhance the public open space qualities and recreation opportunities of the coastal environment by:

- recognising that the coastal marine area is an extensive area of public space for the public to use and enjoy;
- maintaining and enhancing public walking access to and along the coastal marine area without charge, and where there are exceptional reasons that mean this is not practicable providing alternative linking access close to the coastal marine area; and
- recognising the potential for coastal processes, including those likely to be affected by climate change, to restrict access to the coastal environment and the need to ensure that public access is maintained even when the coastal marine area advances inland.

5.10 Many people enjoy the recreation opportunities afforded by the coastal environment through recreational boating which in turn requires accessibility to boat ramps and pontoons where beach access is not available. Enhancing the use of the existing facilities improves the opportunities for people to make use of the infrastructure. As such achieving this objective.

○ **Objective 6**

To enable people and communities to provide for their social, economic, and cultural wellbeing and their health and safety, through subdivision, use, and development, recognising that:

- the protection of the values of the coastal environment does not preclude use and development in appropriate places and forms, and within appropriate limits;
- some uses and developments which depend upon the use of natural and physical resources in the coastal environment are important to the social, economic and cultural wellbeing of people and communities;
- functionally some uses and developments can only be located on the coast or in the coastal marine area;
- the coastal environment contains renewable energy resources of significant value;
- the protection of habitats of living marine resources contributes to the social, economic and cultural wellbeing of people and communities;
- the potential to protect, use, and develop natural and physical resources in the coastal marine area should not be compromised by activities on land;
- the proportion of the coastal marine area under any formal protection is small and therefore management under the Act is an important means by which the natural resources of the coastal marine area can be protected;
- historic heritage in the coastal environment is extensive but not fully known, and vulnerable to loss or damage from inappropriate subdivision, use, and development.

5.11 Boat launching activities have a functional need to be located within the coastal marine area and provide for social, economic and cultural wellbeing for people and communities. The renewal of the facilities will enhance each of these well beings by enabling coastal water access. The infrastructure is already in place and the modifications enhances the efficient use of that existing infrastructure. The boat ramp and associated infrastructure has been assessed as an appropriate location within previous documents. The associated modification is also considered to be an appropriate location.

○ **Policy 6 - Activities in the coastal environment**

In relation to the coastal environment:

- a. *recognise that the provision of infrastructure, the supply and transport of energy including the generation and transmission of electricity, and the extraction of minerals are activities important to the social, economic and cultural well-being of people and communities;*
 - b. *consider the rate at which built development and the associated public infrastructure should be enabled to provide for the reasonably foreseeable needs of population growth without compromising the other values of the coastal environment ;*
2. *Additionally, in relation to the coastal marine area:*
- a. *recognise potential contributions to the social, economic and cultural wellbeing of people and communities from use and development of the coastal marine area, including the potential for renewable marine energy to contribute to meeting the energy needs of future generations;*

- b. recognise the need to maintain and enhance the public open space and recreation qualities and values of the coastal marine area;
- c. recognise that there are activities that have a functional need to be located in the coastal marine area, and provide for those activities in appropriate places;
- d. recognise that activities that do not have a functional need for location in the coastal marine area generally should not be located there; and
- e. promote the efficient use of occupied space, including by:
 - i. requiring that structures be made available for public or multiple use wherever reasonable and practicable;
 - ii. requiring the removal of any abandoned or redundant structure that has no heritage, amenity or reuse value; and
 - iii. considering whether consent conditions should be applied to ensure that space occupied for an activity is used for that purpose effectively and without unreasonable delay.

5.12 The infrastructure being the boat ramp and the jetty, gangway and pontoon is already existing and is well used by the community. Retaining and improving the facilities enhances the social, economic and cultural wellbeing of people and communities. There are only a handful of areas suitable for launching boats with trailers in this location and given the demand, retaining and enhancing the facilities will assist in spreading the load on existing infrastructure and enhancing the recreational qualities within Mill Bay.

5.13 It can be concluded from the above review of the objectives and policies of the NZCPS 2010 that the proposal does not conflict with its overall aims.

d) Section 104 (1)(b)(v) Relevant Regional Policy Statement of Proposed Regional Policy Statement

5.14 The Northland Regional Policy Statement is an operative document (June 2018) that provides the policy framework for regional matters to be managed in accordance with Section 62 of the Act. Policy matters that are relevant to this application are set out in **Table 1** below:

Table 1 Objectives and Policies of the Regional Policy Statement

OBJECTIVES and POLICIES		PERFORMANCE OF PROPOSAL
3.2	<p>Region-wide Water Quality</p> <p><i>Improve the overall quality of Northland's fresh and coastal water with a particular focus on:</i></p> <p><i>Reducing the overall Trophic Level Index status of the region's lakes;</i></p> <p><i>Increasing the overall Macroinvertebrate Community Index status of the region's rivers and streams;</i></p> <p><i>Reducing sedimentation rates in the region's estuaries and harbours;</i></p> <p><i>Improving microbiological water quality at popular contact recreation sites, recreational and cultural shellfish gathering sites, and commercial shellfish growing areas to minimise risk to human health; and</i></p> <p><i>Protecting the quality of registered drinking water supplies and the potable quality of other drinking water sources.</i></p>	<p>Removing and placing piles will have a temporary impact on water quality however the effects of this is assessed to be no more than minor.</p>

OBJECTIVES and POLICIES		PERFORMANCE OF PROPOSAL
3.4	<p>Indigenous ecosystems and biodiversity Safeguard Northland's ecological integrity by:</p> <p>a) Protecting areas of significant indigenous vegetation and significant habitats of indigenous fauna;</p> <p>b) Maintaining the extent and diversity of indigenous ecosystems and habitats in the region; and</p> <p>c) Where practicable, enhancing indigenous ecosystems and habitats, particularly where this contributes to the reduction in the overall threat status of regionally and nationally threatened species.</p>	There are no significant vegetation or habitats identified within the consent area. By allowing the presence of the facilities for boaties to utilise will help protect other surrounding areas from recreational use.
3.5	<p>Enabling economic wellbeing Northland's natural and physical resources are sustainably managed in a way that is attractive for business and investment that will improve the economic wellbeing of Northland and its communities.</p>	The application improves the use of the existing infrastructure facilitating economic wellbeing for any businesses which may utilise the infrastructure now or in the future. This will in turn help the local communities to prosper.
3.8	<p>Efficient and effective infrastructure Manage resource use to:</p> <p>(a) Optimise the use of existing infrastructure;</p> <p>(b) Ensure new infrastructure is flexible, adaptable, and resilient, and meets the reasonably foreseeable needs of the community; and</p> <p>(c) Strategically enable infrastructure to lead or support regional economic development and community wellbeing.</p>	Renewing the facilities will optimise the use of the existing infrastructure such that the community will be able to have more flexible use in the future, as such providing for future economic development and overall enhanced community wellbeing.
3.12	<p>Tangata Whenua role in decision-making Tangata whenua kaitiaki role is recognised and provided for in decision-making over natural and physical resources.</p>	As above, notice of the application will be served to local tangata whenua for comment.
5.2.2	<p>Future-proofing infrastructure Encourage the development of infrastructure that is flexible, resilient, and adaptable to the reasonably foreseeable needs of the community.</p>	Renewing and enabling the modifications to the facilities will enable more flexible use in which the boat ramp and pontoon can be utilised ensures the infrastructure will be meeting the needs of the community now and in the future.
8.1.1	<p>Tangata whenua participation The regional and district councils shall provide opportunities for tangata whenua to participate in the review, development, implementation, and monitoring of plans and resource consent processes under the Resource Management Act 1991.</p>	This role would sit with the Regional Council.

e) Section 104 (1)(b)(vi) Relevant Regional Plan or Proposed Plan

Regional Coastal Plan for Northland (RCP)

5.15 As noted previously given the weighting of the PRP , the objectives and policies of the Coastal Plan are not assessed.

Proposed Northland Regional Plan (PRP)[December 2022]

5.16 The relevant objectives and policies relating to land disturbance and sediment control are contained in Chapter D of the PRP which had its decisions recently notified. The recent changes to this document have been reflected in the policy assessment below.

Table 2 Relevant PRP objectives and policies

<p>D.1.1</p>	<p>When an analysis of effects on tangata whenua and their taonga is required</p> <p><i>A resource consent application must include in its assessment of environmental effects an analysis of the effects of an activity on tangata whenua and their taonga if one or more of the following is likely:</i></p> <ol style="list-style-type: none"> 1) adverse effects on mahinga kai or access to mahinga kai, or 2) any damage, destruction or loss of access to wāhi tapu, sites of customary value and other ancestral sites and taonga with which Māori have a special relationship, or 3) adverse effects on indigenous biodiversity in the beds of waterbodies or the coastal marine area where it impacts on the ability of tangata whenua to carry out cultural and traditional activities, or 4) the use of genetic engineering and the release of genetically modified organisms to the environment, or 5) adverse effects on tāiapure, mataitai or Māori non-commercial fisheries, or 6) adverse effects on protected customary rights, or 7) adverse effects on sites and areas of significance to tangata whenua mapped in the Regional Plan (refer I Maps Ngā mahere matawhenua). 	<p>Given the renewals proposed, with slight alternations and amendments to that originally approved, the effects to the matters listed are not considered to arise from the proposal.</p> <p>The proposal seeks to increase access to the coastal marine area. There are no known sites of customary value that have been formally mapped.</p> <p>Cultural and traditional activities are not considered to be impacted by the slight changes proposed to the renewal.</p> <p>There are no known adverse effects to indigenous biodiversity.</p> <p>Genetic engineering is not proposed.</p> <p>There are no maori fisheries as listed within the development area or protected customary rights.</p> <p>There are no mapped sites of significance.</p>
<p>D.1.2</p>	<p>Requirements of an analysis of effects on tangata whenua and their taonga</p> <p><i>If an analysis of the effects of an activity on tangata whenua and their taonga is required in a resource consent application, the analysis must:</i></p> <ol style="list-style-type: none"> 1) include such detail as corresponds with the scale and significance of the effects that the activity may have on tangata whenua and their taonga, and 2) have regard to (but not be limited to): <ol style="list-style-type: none"> a) any relevant planning document recognised by an iwi authority (lodged with the Council) to the extent that its content has a bearing on the resource management issues of the region, and b) the outcomes of any consultation with tangata whenua with respect to the consent application, and c) statutory acknowledgements in Treaty Settlement legislation, and 3) follow best practice, including requesting, in the first instance, that the relevant tangata whenua undertake the assessment, and 4) specify the tangata whenua that the assessment relates to, and 5) be evidence-based, and 6) incorporate, where appropriate, mātauranga Māori, and 7) identify and describe all the cultural resources and activities that may be affected by the activity, and 8) identify and describe the adverse effects of the activity on the cultural resources and cultural practices (including the effects on the 	<p>Refer above. An assessment is not considered necessary.</p>

	<p><i>mauri of the cultural resources, the cultural practices affected, how they are affected, and the extent of the effects), and</i></p> <p><i>9) identify, where possible, how to avoid, remedy or mitigate the adverse effects on cultural values of the activity that are more than minor, and</i></p> <p><i>10) include any other relevant information.</i></p>	
F.1.4	<p>Enabling economic well-being</p> <p><i>Northland's natural and physical resources are managed in a way that is attractive for business and investment that will improve the economic well-being of Northland and its communities.</i></p>	Renewing the approvals and allowing the modifications assists in improving economic prosperity for any business which utilizes this structure.
F.1.7	<p>Use and development in the coastal marine area</p> <p><i>Use and development in the coastal marine area:</i></p> <p><i>1) makes efficient use of space occupied in the common marine and coastal area, and</i></p> <p><i>2) is of a scale, density and design compatible with its location, and</i></p> <p><i>3) recognises the need to maintain and enhance public open space and recreational opportunities, and</i></p> <p><i>4) is provided for in appropriate places and forms, and within appropriate limits.</i></p>	The application enhances the recreational opportunities of the existing maritime infrastructure.

5.17 Overall it is considered that the dredging activity would not be contrary to the objectives and policies of the PRP.

f) Section 104 (1)(c) Any other relevant matters

5.18 The applicant has undertaken a review of the demand upon maritime infrastructure particularly the ability for the public to access the coastal marine area. The review has highlighted the growing demand for access to the coast via trailer craft along with demand for improved access to and from the foreshore. This application facilitates meeting this growing demand at an appropriate location with minimal effects on the environment.

Part II Matters

5.19 An assessment of Part 2 matters is not required unless there are issues of invalidity, incomplete coverage or uncertainty in the planning provisions. The Proposed Regional Plan contains provisions that are relevant to the proposal, and there is no evidence to suggest the relevant provisions are invalid, incomplete or present uncertainty in making any decision. No assessment of the application against Part 2 provisions is therefore required.

6.0 CONCLUSIONS

6.1 The proposal has been assessed against the provisions applicable to a Discretionary Activity.

6.2 The Assessment of Environmental Effects concluded that the effects of the proposed changes would be less than minor.

6.3 The application has also been assessed as not being in conflict with the statutory provisions of the relevant Plans, Section 104B, and the overall purpose of the Act as contained in Part II. The application is therefore considered to pass the statutory tests of the RMA.

6.4 As effects on the environment were assessed as being less than minor, no persons are considered

to be adversely affected. On this basis the application can be processed without public or limited notification.

We therefore look forward to a favourable response from Council.

Yours faithfully,



Steven Sanson

Consultant Planner

Appendices included:

Appendix 1 – Application Forms [10526 & 5490]

Appendix 2 – Existing Authorisations

Appendix 3 – Relevant Plans [Shorewise Engineering Consultants]

Application for a Resource Consent – Resource Management Act 1991

This application form must be provided with applications to the council for new and replacement resource consents, and changes to the conditions on an existing resource consent.

If you would like to talk or meet with a consents officer to discuss your application prior to lodging with the council, please phone **0800 002 004** or email request to info@nrc.govt.nz.

PART 1: Administration Matters

1 Full Name of Applicant(s) *(the name(s) that will be on the resource consent document)*

Surname:

First Names:

OR

If the application is being made on behalf of a trust, the Trustee(s) who has/have signing authority for the trust must be named.

Trust Name:

Trustee's Name(s):

OR

Company Name: FAR NORTH HOLDINGS LIMITED

Contact Person: CHRIS GALBRAITH

Email address: Chris@boimarina.co.nz

Please Note: If an email address is provided, then all correspondence for this application will be via email.

Postal address:

Telephone: *(please tick preferred contact number)*

Residential

Business

Mobile

2 Details of the Address for Service of documents if different from the Applicant (e.g. Consultant). This address will be used for all documents if completed.

Company Name: BAY OF ISLANDS PLANNING [2022] LIMITED

Contact Person: STEVEN SANSON

Email address: STEVE@BAYPLAN.CO.NZ

Please Note: If an email address is provided, then all correspondence for this application will be via email.

Postal address: PO BOX 318, PAIHIA 0247

Telephone: (please tick preferred contact number)

Residential Business

Mobile 0211606035

3 Invoices

Charges relating to the processing of this resource consent application should be sent to:

Applicant Address for service

Charges relating to the ongoing monitoring of a resource consent should be sent to:

Applicant Address for service

4 Name and Address of all Owners/Occupiers of the Site relating to Application if different from the Applicant

Owner(s):

Postal Address:

Telephone: (please tick preferred contact number)

Residential Business

Mobile

Occupier(s):

Postal Address:

Telephone: (please tick preferred contact number)

Residential Business

Mobile

Please Note: If the applicant is not the owner of the land to which the activity relates, then it is good practice to submit the application with written approval from the landowner.

5 Extending Timeframes

The Resource Management Act 1991 (RMA) specifies timeframes for processing resource consent applications (e.g. 20 working days for a non-notified application); however, these timeframes can be extended, if necessary, with the Applicant's agreement. If the council does not meet these timeframes, then it is required to refund 1% of the total processing cost of the application for each day it exceeds the timeframe up to a maximum of 50%.

Do you agree to the council extending RMA resource consent processing timeframes?

- Yes**, provided that I can continue to exercise my existing resource consent until processing of this application is completed.
(Replacement application only. No refund is required to be paid until after the existing resource consent expires.)
- Yes**, provided that the extension is for the specific purpose of discussing and trying to agree on resource consent conditions.
- Yes**, provided that the application process is completed before this date (dd/mm/yy):
- No**.

6 Deposit Fee

An initial minimum fee is payable with this application. These fees can be found on the council's website www.nrc.govt.nz – [Schedule of Minimum Estimated Initial Fees](#) information. Please contact council consents staff if you need assistance with determining the correct minimum initial fee.

Unless agreed to prior to lodging your application, the council will not commence processing your resource consent application until payment of the minimum initial fee is received (i.e. the statutory processing time for the application will not start).

This minimum initial fee may be paid online, or by EFTPOS at one of the council's offices.

Instructions for paying online can be found on the council's website at "[Pay online](#)". Please use either the first six numbers of your resource consent (e.g. CONXXXXXX or AUT.XXXXXX), if known, or the Applicant's name as the Reference/Customer number when paying online.

If you do pay online, then please enclose evidence of payment so that the council is aware that the payment has been made.

If the costs of processing the resource consent application are greater than the minimum estimated initial fee, then the applicant will be required to pay the additional actual and reasonable costs of processing the application.

Note: Annual User Charges for Resource Consent Holders

Holders of resource consents will in most cases be required to pay a "Minimum Annual Charge" for administration of the resource consent once issued. There is also likely to be additional annual charges for the monitoring of the resource consent, which will be dependent on the type of activity the resource consent is for. These charges are detailed on the council's website www.nrc.govt.nz in the Annual Charges section of the council's [Charging Policy](#).

7 Applications for Activities within the Coastal Marine Area (CMA)

Prior to lodging an application with the council to undertake any activity in the coastal marine area (CMA), the applicant is required under the Marine and Coastal Area (Takutai Moana) Act 2011 to notify the application to all groups who have applied for customary marine title in that location, and seek their view on the application. This notification should, as a minimum, include a summary of the application that provides sufficient detail for a group to understand what is being proposed

The council cannot accept an application to undertake an activity in the CMA unless the applicant for the resource consent provides evidence of this notification occurring. A response from customary marine title groups is not required by the council.

To ensure you meet the above requirement, you are advised to contact council consents staff to obtain a list of all of the current customary marine title applicant groups within the area where you are proposing to apply for a resource consent.

Information on customary marine titles is available on the [Ministry of Justice/Marine and Coastal Area Applications](#) website.

8 Consultation

The RMA does not require any person, including the applicant or council, to consult with anyone. It is, however, best practice to do so and will allow the council to make a more informed decision.

It is important to remember that consultation does not require reaching an agreement – it is to allow you and the council to be informed about a person’s views. If you do consult, and there are concerns raised that cannot be resolved and you still want to go ahead with your application, then you should have made a genuine attempt to consult with that person(s) in an open and honest manner. Their views should be recorded so they can be taken into account by the council when considering your resource consent application.

PART 2: Application Details

1 Description of Activity

Please describe in detail the activity for which resource consent is being sought.

RENEWAL OF ACTIVITY & MINOR ALTERATIONS

2 Location Description of Activity

Site Address: MILL BAY

Legal Description: N/A

(Legal description can be obtained from your Certificate of Title, valuation notice, or rates demand)

3 Site Plan

On a separate page (*minimum A4 size*), please provide a site plan showing the location of the activity, site layout, and surrounding environment in relation to property boundaries. Please include any buildings or developments on the site.

These plans should be provided electronically and be of good quality, to enable use in resource consent documentation.

If you do not have access to mapping software, we recommend you use the council's "[Property and Boundaries](https://localmaps.nrc.govt.nz/LocalMapsGallery/)" map available on our website <https://localmaps.nrc.govt.nz/LocalMapsGallery/>.

This council map contains aerial photography and shows property boundaries and details. You can carry out a property search and print maps of aerial photography.

4 Resource Consent(s) being Applied for

Coastal Permit

Mooring

Marine Farm

Structure

Pipeline/Cable

Other (*specify*) RENEWAL

Land Use Consent

Quarry

Earthworks

Dam Structure

Vegetation Clearance

Construct/Alter a Bore

Structure in/over Watercourse

Other (*specify*)

Water Permit

- Stream/Surface Take Damming Groundwater Take
 Diverting Water Other (specify)

Discharge Permit

- Domestic Effluent to Land General Discharge to Land Farm Dairy Effluent to Land/Water
 Air Water Other (specify)

5 Is this application to replace an existing or expired resource consent(s)? Yes No

If Yes:

(a) Please state the resource consent number(s):

10526

(b) Do you agree to surrender the existing resource consent once a new one has been issued:

Yes No

6 Is this application to change a condition of an existing resource consent? Yes No

If Yes, please state the resource consent number(s):

.....
.....

7 Please specify the duration sought for your resource consent(s) –

Only for new or replacement applications.

20 years months

8 Do you also require consent(s) from a district council? Yes No

If Yes, please complete the following:

Type of consent required?

Has it been applied for? Yes No

Has it been granted? (If Yes, please attach) Yes No

PART 3: Assessment of Environmental Effects (AEE)

1 An AEE must be provided with your application that has been completed in accordance with the requirements of [Schedule 4 of the RMA](#).

As a minimum, your AEE must include the following:

- Description of the environmental effects of the activity.
- Description of ways in which adverse environmental effects can be avoided, remedied or mitigated.
- Names of people affected by the proposal.
- Record of any consultation you have undertaken, including with affected persons (if any).
- Discussion of any monitoring of environmental effects that might be required.
- An assessment of the activity against any relevant objectives, policies, or rules in the Regional Plans.
- For a coastal permit, an assessment of your activity against any relevant objectives and policies of the New Zealand Coastal Policy Statement.
- An assessment of effects on tangata whenua and their taonga.

This AEE needs to be provided in a separate document attached to this application form.

Any activity needing a resource consent will have some environmental effects. The council will not accept an AEE that says there are no environmental effects from the activity.

You will need to complete the AEE at a level that corresponds with the scale and significance of the effects that the activity may have on the environment. Depending on the scale of the activity, you may need to get help from an expert(s) to prepare your AEE.

The council has a set of standard AEE forms for a selection of common activities. These AEE forms do not cover the relevant objectives, policies, or rules in the Regional Plans nor effects on tangata whenua. If you use one of these forms, then you will need to provide a separate assessment of these matters. These AEE forms can be found on the council's website www.nrc.govt.nz – “Forms and Fees”.

It is important that you provide the council with a complete and well-prepared AEE, otherwise the council may not accept your application.

If your application is for a change to a condition of resource consent under Section 127 of the RMA, then your AEE only needs to cover the effects of the change being requested.

2 Assessment of Effects on tangata whenua and their taonga

The Regional Plan for Northland requires that an AEE must also include an assessment of the effects on tangata whenua and their taonga if one or more of the following is likely:

- Adverse effects on [mahinga kai](#) or access to [mahinga kai](#); or
- Any damage, destruction or loss of access to [wāhi tapu](#), sites of customary value and other ancestral sites and [taonga](#) with which Māori have a special relationship; or

- Adverse effects on indigenous biodiversity in the beds of waterbodies or the coastal marine area where it impacts on the ability of tangata whenua to carry out cultural and traditional activities; or
- Adverse effects on [taiāpure](#), [mātaitai](#) or Māori non-commercial fisheries; or
- Adverse effects on protected customary rights; or
- Adverse effects on sites and areas of significance to tangata whenua mapped in the Regional Plan for Northland (refer [Maps | Ngā mahere matawhenua](#)).

Your AEE must include an assessment of whether any of the above affects are likely to occur.

If they are likely to occur, then you will need to complete a Cultural Impact Assessment (CIA) and provide this with your resource consent application. The Regional Plan for Northland provides details of what must be included in this CIA, and should be referred to.

The best way to find out what the effects of your proposal may be on tangata whenua is to contact local iwi/hapū groups (who represent tangata whenua) and discuss your proposal with them. Council consents staff can provide a list of contact details for local iwi/hapū groups in the area of your proposal. You can then send a copy of your proposal to these groups and seek feedback from them prior to lodging your application. Some iwi/hapū have also developed iwi/hapū Environmental Management Plans that are useful documents that can assist to identify issues of concern to those iwi/hapū for activities occurring in their rohe. The iwi/hapū Environmental Management Plans can be obtained directly from the iwi/hapū or from the council upon request.

3 Assessment of Affected Persons

If the adverse effects of your activity on a person are likely to be minor, or more than minor, then that person is deemed to be an “affected person” for your resource consent application.

An affected person may include neighbouring land owners and occupiers, and/or organisations such as the Department of Conservation, Land Information New Zealand (LINZ), Fish and Game Council, Iwi and Hapū, and community groups.

If you do not think there will be any affected persons for your resource consent application, then you do not need to provide any details on this matter in your AEE. However, the council will still undertake an assessment of whether there are any affected persons as part of processing the resource consent application.

If there are persons you have identified who may be affected, and you have discussed your proposal with these persons, please record any comments made by them and your response, and include this information with your application. If you have written approvals from these parties, then these should be provided as well. The council has a written approval form that can be used for this purpose.

Iwi Settlement Acts

If there is an **Iwi Settlement Act** that covers the area of your application, then there may be “Statutory Acknowledgement” areas which could be adversely affected by your activity. If the location of your activity is within, adjacent to, or may have an adverse effect on, a Statutory Acknowledgement area, then you will need to assess whether the trustees of the Statutory Acknowledgement are affected persons. Information about Statutory Acknowledgements in Northland can be found on the council’s webpage at [“Statutory Acknowledgements in Northland”](#).

Checklist

The following information **must** be included in your application to ensure that is not returned as incomplete under Section 88 of the RMA.

- All applicable application form details have been completed.
 - Assessment of Environmental Effects in accordance with Schedule 4 of the RMA.
 - Assessment of effects on tangata whenua and their taonga.
 - Site plan(s). These are required to be of good quality, and preferably electronically, to enable use in resource consent documentation.
 - Evidence of payment of the required minimum estimated initial fee.
 - If you are applying for a coastal permit, evidence that you have provided notice of your application to all groups who have applied for customary marine title in the location of your application and that you have sought their view on the application. The council cannot legally accept an application without evidence of this.
-

Information Privacy Issues

The information you provide in this application is regarded as official information. It is required under the provisions of the Resource Management Act 1991 to process this application. The information will be held by the council and is subject to the provisions of the Local Government Official Information and Meetings Act 1987, and the Privacy Act 1993. The information you provide in this application will generally be available to the public.

Under Section 88 and/or 127 of the Resource Management Act 1991 (RMA), the undersigned makes this application for resource consent(s).

- 1 I/We confirm that I have authority to sign on behalf of the person(s) named as the applicant(s) for this application for resource consent.**
- 2 I/We have read, and understand, all of the information contained within this application form, including the requirement to pay any additional actual and reasonable costs for the processing of the application.**
- 3 I/We confirm that all of the information provided is true and correct and I understand that any inaccurate information provided could result in my resource consent (if granted) being cancelled.**

Signature(s):

Date:

Signature(s):

Date:

Signature(s):

Date:

Please note that a signature is not required if submitting application electronically.

Application for a Resource Consent – Resource Management Act 1991

This application form must be provided with applications to the council for new and replacement resource consents, and changes to the conditions on an existing resource consent.

If you would like to talk or meet with a consents officer to discuss your application prior to lodging with the council, please phone **0800 002 004** or email request to info@nrc.govt.nz.

PART 1: Administration Matters

1 Full Name of Applicant(s) *(the name(s) that will be on the resource consent document)*

Surname:

First Names:

OR

If the application is being made on behalf of a trust, the Trustee(s) who has/have signing authority for the trust must be named.

Trust Name:

Trustee's Name(s):

OR

Company Name: FAR NORTH HOLDINGS LIMITED

Contact Person: CHRIS GALBRAITH

Email address: Chris@boimarina.co.nz

Please Note: *If an email address is provided, then all correspondence for this application will be via email.*

Postal address:

Telephone: *(please tick preferred contact number)*

Residential Business

Mobile

2 Details of the Address for Service of documents if different from the Applicant (e.g. Consultant). This address will be used for all documents if completed.

Company Name: BAY OF ISLANDS PLANNING [2022] LIMITED

Contact Person: STEVEN SANSON

Email address: STEVE@BAYPLAN.CO.NZ

Please Note: If an email address is provided, then all correspondence for this application will be via email.

Postal address: PO BOX 318, PAIHIA 024

Telephone: (please tick preferred contact number)

Residential Business

Mobile -0211606035

3 Invoices

Charges relating to the processing of this resource consent application should be sent to:

Applicant Address for service

Charges relating to the ongoing monitoring of a resource consent should be sent to:

Applicant Address for service

4 Name and Address of all Owners/Occupiers of the Site relating to Application if different from the Applicant

Owner(s):

Postal Address:

Telephone: (please tick preferred contact number)

Residential Business

Mobile

Occupier(s):

Postal Address:

Telephone: (please tick preferred contact number)

Residential Business

Mobile

Please Note: If the applicant is not the owner of the land to which the activity relates, then it is good practice to submit the application with written approval from the landowner.

5 Extending Timeframes

The Resource Management Act 1991 (RMA) specifies timeframes for processing resource consent applications (e.g. 20 working days for a non-notified application); however, these timeframes can be extended, if necessary, with the Applicant's agreement. If the council does not meet these timeframes, then it is required to refund 1% of the total processing cost of the application for each day it exceeds the timeframe up to a maximum of 50%.

Do you agree to the council extending RMA resource consent processing timeframes?

- Yes**, provided that I can continue to exercise my existing resource consent until processing of this application is completed.
(Replacement application only. No refund is required to be paid until after the existing resource consent expires.)
- Yes**, provided that the extension is for the specific purpose of discussing and trying to agree on resource consent conditions.
- Yes**, provided that the application process is completed before this date (dd/mm/yy):
- No**.

6 Deposit Fee

An initial minimum fee is payable with this application. These fees can be found on the council's website www.nrc.govt.nz – [Schedule of Minimum Estimated Initial Fees](#) information. Please contact council consents staff if you need assistance with determining the correct minimum initial fee.

Unless agreed to prior to lodging your application, the council will not commence processing your resource consent application until payment of the minimum initial fee is received (i.e. the statutory processing time for the application will not start).

This minimum initial fee may be paid online, or by EFTPOS at one of the council's offices.

Instructions for paying online can be found on the council's website at "[Pay online](#)". Please use either the first six numbers of your resource consent (e.g. CONXXXXXX or AUT.XXXXXX), if known, or the Applicant's name as the Reference/Customer number when paying online.

If you do pay online, then please enclose evidence of payment so that the council is aware that the payment has been made.

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PART 2: Application Details

1 Description of Activity

Please describe in detail the activity for which resource consent is being sought.

CONSENT RENEWAL TO OCCUPY COASTAL MARINE AREA

2 Location Description of Activity

Site Address: MILL BAY

Legal Description: N/A

(Legal description can be obtained from your Certificate of Title, valuation notice, or rates demand)

3 Site Plan

On a separate page (*minimum A4 size*), please provide a site plan showing the location of the activity, site layout, and surrounding environment in relation to property boundaries. Please include any buildings or developments on the site.

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Coastal Permit

Mooring

Marine Farm

Structure

Pipeline/Cable

Other (*specify*) RENEWAL

Land Use Consent

Quarry

Earthworks

Dam Structure

Vegetation Clearance

Construct/Alter a Bore

Structure in/over Watercourse

Other (*specify*)

PART 3: Assessment of Environmental Effects (AEE)

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- Adverse effects on indigenous biodiversity in the beds of waterbodies or the coastal marine area where it impacts on the ability of tangata whenua to carry out cultural and traditional activities; or
- Adverse effects on [taiāpure](#), [mātaimai](#) or Māori non-commercial fisheries; or
- Adverse effects on protected customary rights; or
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If there are persons you have identified who may be affected, and you have discussed your proposal with these persons, please record any comments made by them and your response, and include this information with your application. If you have written approvals from these parties, then these should be provided as well. The council has a written approval form that can be used for this purpose.

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If there is an **Iwi Settlement Act** that covers the area of your application, then there may be “Statutory Acknowledgement” areas which could be adversely affected by your activity. If the location of your activity is within, adjacent to, or may have an adverse effect on, a Statutory Acknowledgement area, then you will need to assess whether the trustees of the Statutory Acknowledgement are affected persons. Information about Statutory Acknowledgements in Northland can be found on the council’s webpage at [“Statutory Acknowledgements in Northland”](#).

Checklist

The following information **must** be included in your application to ensure that is not returned as incomplete under Section 88 of the RMA.

- All applicable application form details have been completed.
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-

Information Privacy Issues

The information you provide in this application is regarded as official information. It is required under the provisions of the Resource Management Act 1991 to process this application. The information will be held by the council and is subject to the provisions of the Local Government Official Information and Meetings Act 1987, and the Privacy Act 1993. The information you provide in this application will generally be available to the public.

Under Section 88 and/or 127 of the Resource Management Act 1991 (RMA), the undersigned makes this application for resource consent(s).

- 1 I/We confirm that I have authority to sign on behalf of the person(s) named as the applicant(s) for this application for resource consent.**
- 2 I/We have read, and understand, all of the information contained within this application form, including the requirement to pay any additional actual and reasonable costs for the processing of the application.**
- 3 I/We confirm that all of the information provided is true and correct and I understand that any inaccurate information provided could result in my resource consent (if granted) being cancelled.**

Signature(s):

Date:

Signature(s):

Date:

Signature(s):

Date:

Please note that a signature is not required if submitting application electronically.



Resource Consent

Pursuant to the Resource Management Act 1991, the Northland Regional Council (hereinafter called "the Council") does hereby grant a Resource Consent to:

FAR NORTH DISTRICT COUNCIL, PRIVATE BAG 752, KAIKOHE 0440

FAR NORTH HOLDINGS LIMITED, PO BOX 7, OPUA 0241

To occupy the coastal marine area at or about location co-ordinates 1648210E, 6128330N at Mill Bay, Mangonui (jetty area), to the extent shown as Occupation Area on the **attached** Northland Regional Council Plan No. 4095 as follows:

Pursuant to Section 108 of the Act, this consent is issued subject to the following conditions:

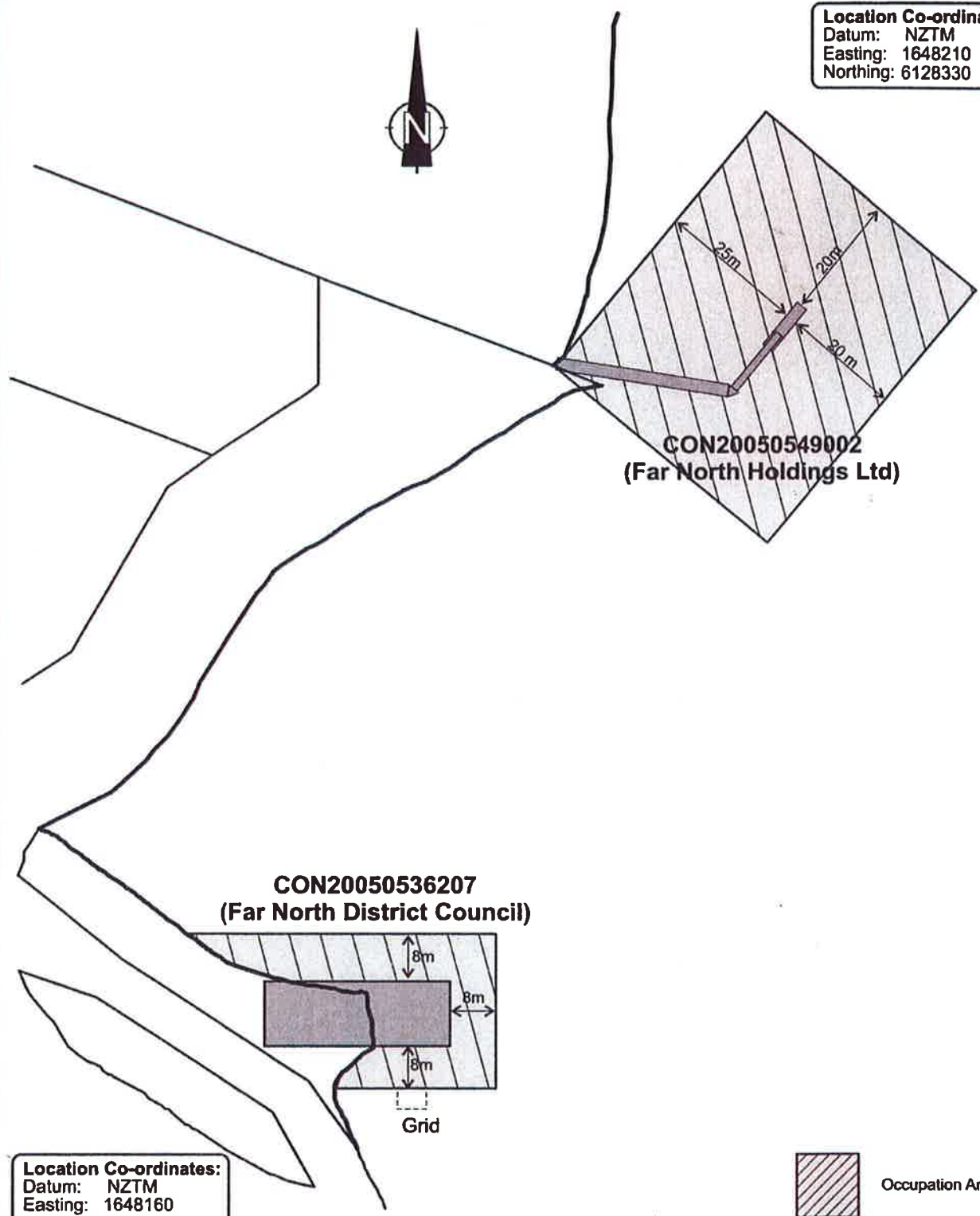
- 1 The Consent Holder shall not unreasonably exclude the public from the Occupation Area for the purpose of public access to and along the coastal marine area. Notwithstanding the generality of this, the Occupation Area shall be available for public access, free of charge, at all times, other than times when it is necessary to limit public access for reasons of safety or where facility or vessel operations are such that it is necessary to limit public access.
- 2 Nothing in this consent shall act to exclude, diminish or supersede any other consented activity, existing at the date of commencement of this consent, within the area of occupation.
- 3 The Consent Holder shall keep the coastal marine area free of debris resulting directly or indirectly from the Consent Holder's activities, including, but not limited to its occupation of the area.
- 4 These conditions may be reviewed by the Regional Council annually, during the month of March, where there is a need to deal with those matters referred to in Section 128 of the Resource Management Act 1991. The Consent Holder shall meet the reasonable costs of any such review.

EXPIRY DATE 30 JUNE 2023

ISSUED at Whangarei this Thirtieth day of August 2007

TRANSFERRED TO: FAR NORTH DISTRICT COUNCIL
TRANSFERRED ON: 24 January 2012

Location Co-ordinates:
 Datum: NZTM
 Easting: 1648210
 Northing: 6128330



Location Co-ordinates:
 Datum: NZTM
 Easting: 1648160
 Northing: 6128230

 Occupation Area



RESOURCE CONSENT CON20050536207
RESOURCE CONSENT CON20050549002
 for
Far North Holdings Ltd
 & **Far North District Council**
Occupation Areas
Mill Bay

Scale:	N.T.S.
Drawn:	CNA 02/07
App'd:	<i>[Signature]</i> 08/07
Plan No.	4095



Resource Consent

Pursuant to the Resource Management Act 1991, the Northland Regional Council (hereinafter called "the Council") does hereby grant a Resource Consent to:

FAR NORTH DISTRICT COUNCIL, PRIVATE BAG 752, KAIKOHE 0440

~~FAR NORTH HOLDINGS LIMITED, C/O POST CENTRE, OPUA 0290~~

To alter the existing jetty and place a floating pontoon, gangway and nine piles, in the coastal marine area at Mill Bay, Mangonui, Map Reference 591-903, subject to the following conditions:

- 1 This consent applies only to the area identified on NRC Plan No. 3407 **attached**.
- 2 The Consent Holder shall mark the jetty with the number **10526** in black lettering on a white background, clearly displayed in such a manner as to be clearly visible at all times from land.
- 3 The Consent Holder shall notify the Council in writing of the date construction is intended to commence, at least two weeks beforehand.
- 4 The Consent Holder shall notify the Council in writing as soon as the works are completed.
- 5 The floating pontoon, new piles, and gangway shall be finished in recessive colours.
- 6 Plant involved in the construction of the works authorised by this consent shall be operated in such a manner that irreversible environmental effects are not caused within the coastal marine area.
- 7 Construction work involving mechanical plant and equipment shall be restricted to the hours of 7.00 a.m. to sunset or 8.00 p.m., whichever is the earlier, unless prior approval from the Regional Council has been obtained. (Sunset shall be as derived from Whangarei from the New Zealand Nautical Almanac.)
- 8 The Consent Holder shall ensure that no activity, boat maintenance related or otherwise, that could involve contaminants entering the coastal marine area, is undertaken on or directly adjacent to the facility.

- 9 The Consent Holder shall ensure that vessels do not berth alongside the facility for more than 30 minutes.
- 10 The Consent Holder shall ensure that commercial vessels do not use the facility.
- 11 Signage shall be erected on the jetty, clearly stating, "Maximum berthing 30 minutes, no berthing of commercial vessels, no refuelling of vessels".
- 12 The Consent Holder shall maintain all facilities covered by this consent in good order and repair.
- 13 The Consent Holder shall keep the coastal marine area, and adjacent access path, free of debris resulting from the Consent Holder's, and jetty users activities.
- 14 The Consent Holder shall, for the purposes of adequately monitoring the consent as required under Section 35 of the Act, on becoming aware of any contaminant associated with the Consent Holder's operations escaping otherwise than in conformity with this consent:
 - (a) Immediately take such action, or execute such work as may be necessary, to stop and/or contain such escape; and
 - (b) Immediately notify the Council by telephone of an escape of contaminant; and
 - (c) Take all reasonable steps to remedy or mitigate any adverse effects on the environment resulting from the escape; and
 - (d) Report to the Council in writing within one week on the cause of the escape of the contaminant and the steps taken or being taken to effectively control or prevent such escape.
- 15 Prior to the expiry cancellation, or lapsing of this consent the Consent Holder shall remove all structures (other than reclamations) and other materials and refuse associated with this consent from the consent area and shall restore the consent area to the satisfaction of the Council, unless an application for a replacement consent has been properly made beforehand.
- 16 The Council may, in accordance with Section 128 of the Resource Management Act 1991, serve notice on the Consent Holder of its intention to review the conditions of this consent. Such notice may be served annually during the month of June. The review may be initiated for any one or more of the following purposes:
 - (a) To deal with any adverse effects on the environment that may arise from the exercise of the consent and which it is appropriate to deal with at a later stage, or to deal with any such effects following assessment of the results of the monitoring of the consent and/or as a result of the Council's monitoring of the state of the environment in the area;
 - (b) To require the adoption of the best practicable option to remove or reduce any adverse effect on the environment;
 - (c) To provide for compliance with rules in any regional plan that has been made operative since the commencement of the consent;

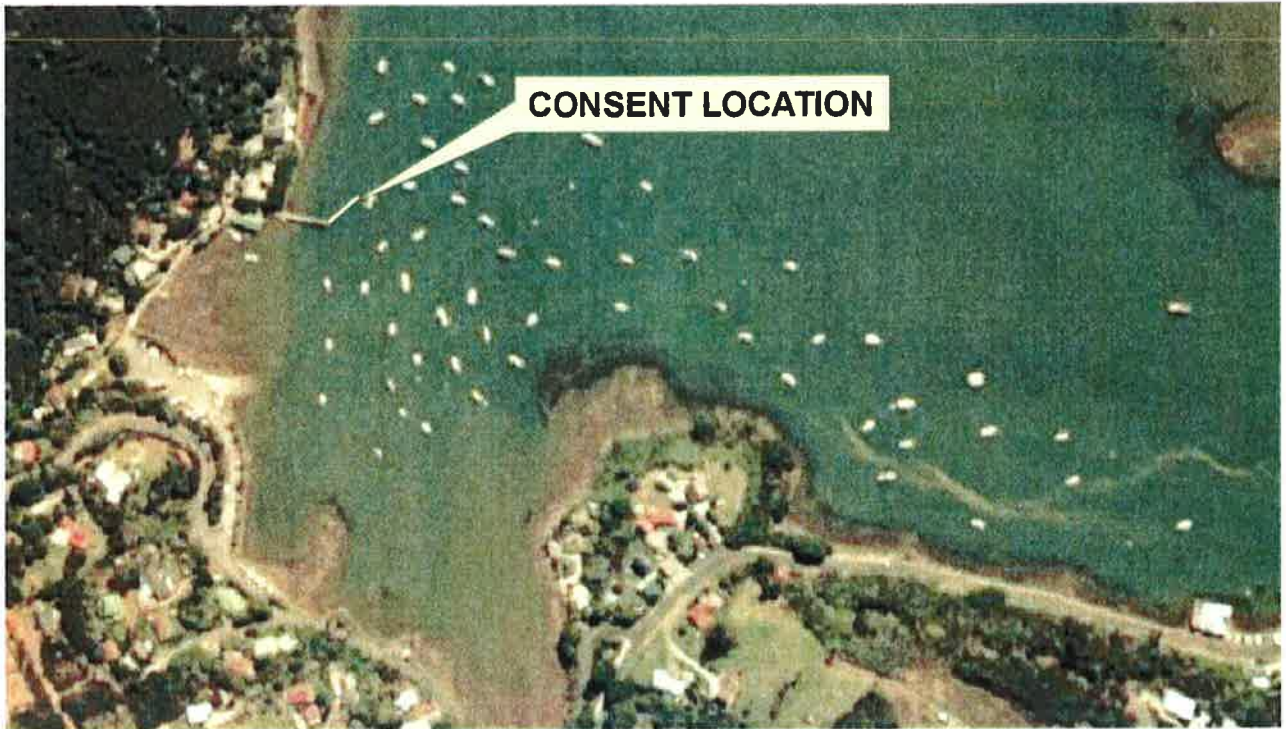
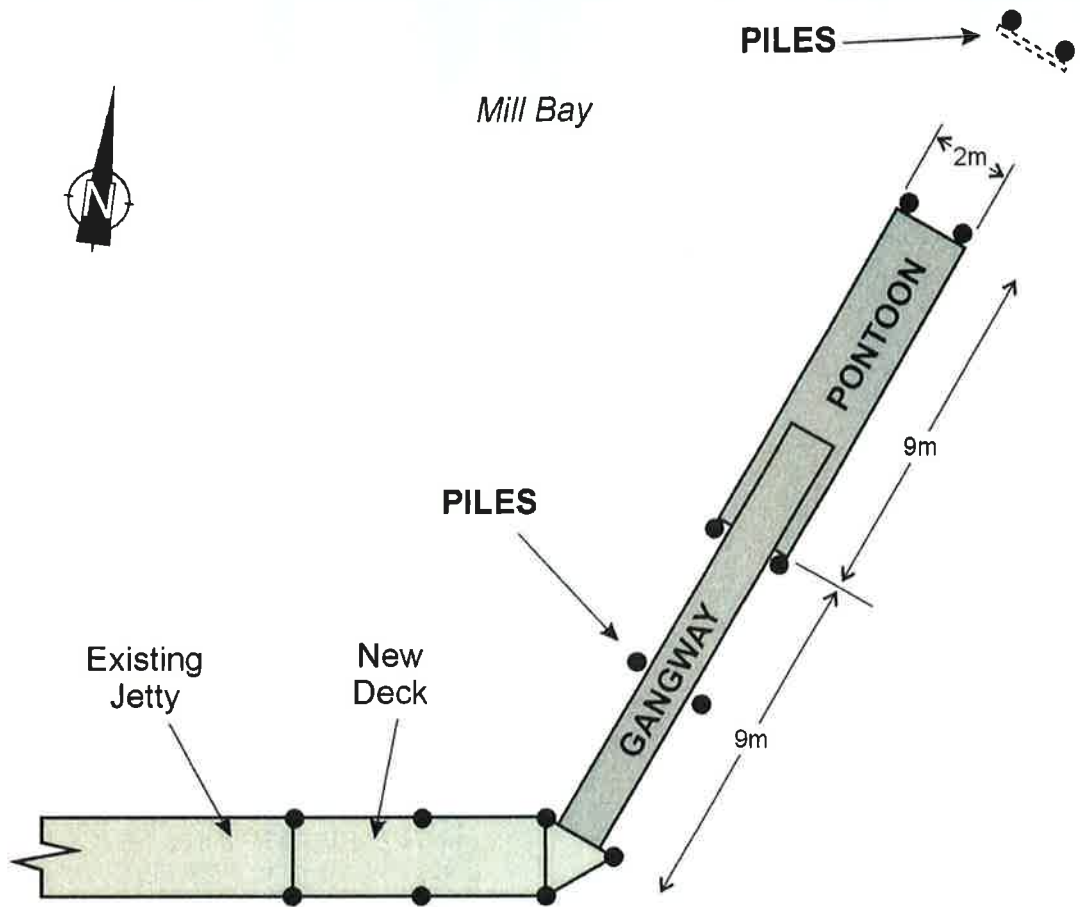
- (d) To deal with any inadequacies or inconsistencies the Council considers there to be in the conditions of the consent, following the establishment of the activity the subject of the consent;
- (e) To deal with any material inaccuracies that may in future be found in the information made available with the application. (Notice may be served at any time for this reason.); and
- (f) To change existing, or impose new limits on conditions.

The Consent Holder shall meet all reasonable costs of any such review.

EXPIRY DATE: 30 JUNE 2023

ISSUED at Whangarei this Seventeenth day of February 2004

TRANSFERRED TO: FAR NORTH DISTRICT COUNCIL
TRANSFERRED ON: 24January 2012



Map reference: NZMG: 2559120 - 6690370

	By	Date
Dwn.	C N Anderson	08/03
App'd	<i>L. Adell</i>	<i>17.204</i>
Amendment		
No.	By	Date

RESOURCE CONSENT
CON 20021052601
 for
Far North Holdings Ltd.
Pontoon, Walkway and Piles
Mill Bay - Mangonui

NORTHLAND
REGIONAL
COUNCIL



Scale

N.T.S.

Plan No.

3407



Far North Holdings Limited

MILL BAY JETTY & PONTOON



SHEET LIST

SHEET NO	SHEET DESCRIPTION	Current Revision	Current Revision Date
000	COVER SHEET	0	24/08/2022
001	GENERIC NOTES 1	0	03/10/2022
002	GENERIC NOTES 2	0	03/10/2022
003	GENERAL NOTES	0	24/08/2022
A-1001	SITE LOCATION	0	24/08/2022
A-1002	EXISTING SITE PLAN	1	03/10/2022
A-1003	PROPOSED GENERAL ARRANGEMENT - OPTION 1	1	03/10/2022
A-1004	PROPOSED GENERAL ARRANGEMENT - OPTION 2	1	03/10/2022
A-1005	PROPOSED OPTION 2 - PONTOON AREA DETAIL	1	03/10/2022
B-1001	JETTY PILING PLAN	0	03/10/2022
B-1002	PONTOON PILING PLAN	0	03/10/2022
B-1003	JETTY CONSTRUCTION DETAILS (1/2)	0	03/10/2022
B-1004	JETTY CONSTRUCTION DETAILS (2/2)	0	03/10/2022
B-1005	LAND ABUTMENT DETAIL	0	03/10/2022
B-1006	LAND ABUTMENT ROCK ARMOURING DETAILS	0	03/10/2022
B-1007	DOLPHIN FENDER GENERAL ARRANGEMENT	0	03/10/2022
B-1008	PONTOON DETAILS	0	03/10/2022
B-1009	VERTICAL FENDER GENERAL ARRANGEMENT	0	03/10/2022
C-1001	VERTICAL FENDER ROPE CLEAT GENERAL ARRANGEMENT	0	03/10/2022
C-1002	VERTICAL FENDER GUSSET GENERAL ARRANGEMENT	0	03/10/2022
C-1003	UHMWPE RUBBING STRIP GENERAL ARRANGEMENT	0	03/10/2022
C-1004	DOLPHIN FENDER CLEAT GENERAL ARRANGEMENT	0	03/10/2022
C-1005	GANGWAY GENERAL ARRANGEMENT	0	03/10/2022



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PROJECT NO.	SHEET NO.	SHT	STATUS
20-0002	000	A3	FOR TENDER

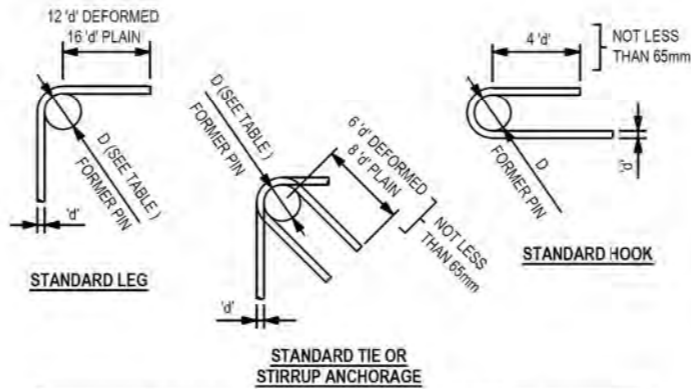
GENERAL NOTES & LIMITATIONS OF USE

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION TO THE PROJECT WHICH MAY INCLUDE (BUT NOT LIMITED TO); ARCHITECTURAL DRAWINGS, ARCHITECTURAL & STRUCTURAL SPECIFICATIONS, INSPECTION SCHEDULES, GEOTECHNICAL REPORTS, AND ANY OTHER 3rd PARTY DOCUMENTATION FOR SPECIALIST DESIGNERS ENGAGED ON THE PROJECT.
2. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING FROM DRAWINGS. USE FIGURED DIMENSIONS ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION OR FABRICATION. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
3. ANY DISCREPANCIES ENCOUNTERED ON SITE WITH THE DESIGN SHALL BE REFERRED TO THE DESIGN ENGINEER IMMEDIATELY FOR RESOLUTION BEFORE PROCEEDING WITH CONSTRUCTION OR FABRICATION OF COMPONENTS.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF ALL TEMPORARY WORK TO ENSURE ADEQUATE STRENGTH AND STABILITY OF THE STRUCTURE AND GROUND DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL ENSURE SAFE WORK PRACTICES ON SITE IN ACCORDANCE WITH ALL APPLICABLE HEALTH & SAFETY CODES, RELEVANT STANDARDS AND LEGISLATION.
6. WHERE PROPRIETARY PRODUCTS ARE SPECIFIED IN THE STRUCTURAL DRAWINGS SUBSTITUTIONS MAY ONLY BE MADE IF APPROVED BY THE ENGINEER.
7. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE NZ BUILDING CODE, CURRENT CODES OF PRACTICE AND ANY LOCAL TERRITORIAL AUTHORITY REQUIREMENTS.
8. NO HOLES OR CHASES MAY BE DONE IN THE CONCRETE MEMBERS UNLESS INDICATED ON THE PLANS OR APPROVED BY THE DESIGN ENGINEER
9. STANDARD ENGINEERING ABBREVIATIONS MAY HAVE BEEN USED IN THE DRAWINGS, COMMON ABBREVIATIONS ARE AS SHOWN BELOW:

ALT	ALTERNATE	MIN	MINIMUM
APPROX.	APPROXIMATE	N/A	NOT APPLICABLE
B	BOTTOM	NF	NEAR FACE
BOS	BOTTOM OF STEEL	NTS	NOT TO SCALE
CHS	CIRCULAR HOLLOW SECTION	OD	OUTSIDE DIAMETER
CONC.	CONCRETE	PCD	PITCH CIRCLE DIAMETER
COS	CHECK ON SITE	PCP	PRECAST PANEL
CRS	CENTERS	PFC	PARALLEL FLANGE CHANNEL
CJ	CONSTRUCTION JOINT	R	PLAIN ROUND BAR (300E)
CL	CENTER LINE	RB	REIDBAR (500E)
D	DEFORMED BAR (300E)	REF	REFER
DPC	DAMP PROOF COURSE	REBAR	REINFORCING BAR
DPM	DAMP PROOF MEMBRANE	RHS	RECTANGULAR HOLLOW SECTION
DIA	DIAMETER	RL	REDUCED LEVEL
DIM	DIMENSION	SFL	STRUCTURAL FLOOR LEVEL
DP	DOWNPIPE	SHS	SQUARE HOLLOW SECTION
DRG/DWG	DRAWING	SIM	SIMILAR
EA	EQUAL ANGLE	SJ or SC	SAWN CONTROL JOINT
EF	EACH FACE	SOP	SET OUT POINT
EJ	EXPANSION JOINT	S/S	STAINLESS STEEL
ELEV	ELEVATION	SSL	STRUCTURAL SLAB LEVEL
EW	EACH WAY	STIFF	STIFFENER
EX	EXISTING	STGD	STAGGERED
FF	FAR FACE	STRPS	STIRRUPS
FFL	FINISHED FLOOR LEVEL	STRS	STARTERS
FGL	FINISHED GROUND LEVEL	T	TOP
FW	FILLET WELD	T/S	TOPSIDE
FWAR	FILLET WELD ALL AROUND	THK	THICK
GALV	GALVANISED	TOC	TOP OF CONCRETE
GL	GROUND LEVEL	TOF	TOP OF FOOTING
Gr	GRADE	TOG	TOP OF STEEL
HD	DEFORMED BAR (500E)	TOW	TOP OF WALL
H.D. GALV	HOT DIP GALVANISED	TYP	TYPICAL
HR	PLAIN ROUND BAR (500E)	UIS	UNDERSIDE
ID	INSIDE DIAMETER	UA	UNEQUAL ANGLE
IL	INVERT LEVEL	UB	UNIVERSAL BEAM
Lg	LONG	UC	UNIVERSAL COLUMN
MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE

REINFORCEMENT

1. THE ENGINEER SHALL BE INFORMED, WHEN FIXING OF REINFORCEMENT IS COMPLETE TO ALLOW INSPECTION BEFORE PLACEMENT OF CONCRETE WHERE STIPULATED IN THE INSPECTION SCHEDULE.
2. ALL WORK TO BE CARRIED OUT BY A COMPETENT REBAR STEEL CONTRACTOR OR LBP BUILDER LICENSED IN THIS SKILL. THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR BENDING SCHEDULES, REBAR SHOWN IN THESE DRAWINGS ARE DIAGRAMMATIC ONLY TO ILLUSTRATE DESIGN INTENT.
3. FOR REINFORCEMENT LAP LENGTHS REFER TO THE APPROPRIATE TABLES IN SECTIONS 'REINFORCED MASONRY' OR 'REINFORCED CONCRETE'.
4. REINFORCEMENT DESIGNATIONS ON THE DRAWINGS ARE AS FOLLOWS:



MINIMUM BEND DIAMETER OF REINFORCING BARS				
STEEL GRADE	BAR SIZE (mm) 'd'	MINIMUM DIAMETER OF BEND FOR MAIN BARS	MINIMUM DIAMETER OF BEND FOR STIRRUPS AND TIES	
			PLAIN BARS	DEFORMED BARS
300E OR	6-20	5d	2d	4d
500E	24-40	6d	3d	6d

5. WELDING OF REINFORCEMENT IS NOT PERMITTED UNDER ANY CIRCUMSTANCES UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER VIA A WRITTEN SITE INSTRUCTION.
6. ADEQUATELY SUPPORT AND SECURE REINFORCEMENT IN POSITION AGAINST DISPLACEMENT AND MAINTAIN MINIMUM SPECIFIED CLEAR CONCRETE COVER TO REINFORCEMENT. TOLERANCES ON CONCRETE COVER SHALL BE IN ACCORDANCE WITH NZS3109.
7. BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH NZS 3101 & NZS 3109 AND AS SHOWN IN THE FIGURES AND TABLES BELOW;

PROPRIETARY FIXINGS

(EPOXY FIXED ANCHORS, MECHANICAL ANCHORS, TIMBER CONNECTORS & FIXINGS)

1. ALL PROPRIETARY ANCHORS OR FIXINGS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS USING THE PRODUCTS SPECIFIED IN THE DRAWINGS.
2. NO SUBSTITUTION OF OTHER PRODUCTS FROM THE DRAWINGS OR SPECIFICATIONS IS PERMITTED UNLESS WRITTEN APPROVAL IS MADE BY THE DESIGN ENGINEER.
3. A PS3 MAY BE REQUIRED AT THE DISCRETION OF THE ENGINEER FOR ANCHORS OR CONNECTORS HIGHLY CRITICAL TO THE STRUCTURAL PERFORMANCE OF THE BUILDING.
4. WHERE INCORRECT OR SUB STANDARD PRODUCTS ARE USED THE ENGINEER MAY REQUEST DESTRUCTIVE TESTING / LOAD TESTING OR FURTHER DESIGN AND CONSTRUCTION MONITORING, ALL OF WHICH ARE AT THE CONTRACTOR EXPENSE TO ENSURE THE ORIGINAL DESIGN OBJECTIVES ARE MET.

REINFORCED CONCRETE

1. ALL CONCRETE WORK TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NZSS3101, NZS 3109 AND ANY OTHER REFERENCED STANDARDS. WHERE STRUCTURAL DESIGN SHOWN EXCEEDS THE MINIMUM REQUIREMENTS OF THESE STANDARDS THE STRUCTURAL DESIGN & DRAWINGS SHALL ALWAYS TAKE PRECEDENCE OVER THE MINIMUM REQUIREMENTS DEFINED IN THESE STANDARDS.
2. NO CONCRETE SHALL BE PLACED UNTIL SHOREWISE HAS INSPECTED THE REINFORCING STEEL. THE INSPECTION DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO ENSURE THAT ALL WORK IS IN ACCORDANCE WITH THE NZ BUILDING CODE, RELEVANT STANDARDS AND CONTRACT DOCUMENTS.
3. MINIMUM REQUIRED CHARACTERISTIC CONCRETE GRADES ARE AS SPECIFIED IN THE DRAWINGS.
4. CONCRETE GRADES ARE AS SPECIFIED AS '28 DAY SPECIFIED COMPRESSIVE STRENGTHS' AS DEFINED IN NZS 3109. ALL SUPPLY AND PRODUCTION SHALL BE IN ACCORDANCE WITH NZS 3104. CONCRETE BATCH STRENGTH CERTIFICATES MAY BE REQUESTED AT THE DISCRETION OF THE DESIGN ENGINEER AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THEM WHERE REQUESTED. IF NO STRENGTH CERTIFICATES CAN BE PROVIDED THEN THE CONTRACTOR SHALL TAKE CORE SAMPLES OF THE CONCRETE AND HAVE THEM TESTED AT A CERTIFIED TEST FACILITY AT THEIR OWN COST.
5. ALL REINFORCING STEEL SHALL BE GRADE 300E OR 500E IN COMPLIANCE WITH AS/NZS 4671. THE REPLACEMENT OF REINFORCEMENT WHICH HAS BEEN DETAILED ON THE STRUCTURAL DRAWINGS WITH AN EQUIVALENT STRENGTH REINFORCING OF DIFFERENT GRADE IS NOT PERMITTED UNDER ANY CIRCUMSTANCES.
6. ALL VISIBLE CONCRETE SURFACE FINISHES ARE TO BE CONFIRMED IN THE SPECIFICATION, REFER TO NZS 3114 FOR FURTHER INFORMATION OF FINISHING.
7. NO REINFORCEMENT WIRE TIES SHALL PROJECT INTO THE MINIMUM CONCRETE COVER.
8. ALL REINFORCEMENT MUST BE CLEAN AND FREE FROM MUD, LOOSE RUST, MILL SCALE, CONCRETE LAITANCE, OIL OR ANY OTHER CONTAMINANTS AT THE TIME CONCRETE IS PLACED.
9. ALL REINFORCEMENT SHALL BE ADEQUATELY SECURED AGAINST DISPLACEMENT AT INTERSECTIONS BY THE USE OF IRON WIRE TIES WITH A DIAMETER GREATER THAN 1.25mm OR BY APPROVED CLIPS. ALL REINFORCING SUPPORTS SHALL MAINTAIN THE CORRECT POSITION OF THE REINFORCEMENT DURING PLACEMENT AND VIBRATION OR COMPACTION OF THE CONCRETE.
10. ALL CONSTRUCTION JOINTS SHALL BE TYPE-B CONSTRUCTION JOINTS PREPARED IN ACCORDANCE WITH NZS 3109, UNLESS OTHERWISE NOTED. METHODS WHICH AVOID SCABBLING ARE PREFERRED FOR INTENTIONALLY ROUGHENING THE CONCRETE SURFACE AT CONSTRUCTION JOINTS.
11. UNLESS OTHERWISE SHOWN MESH IN SLABS SHALL BE LAPPED THE GREATER OF
 - 225mm (CLAUSE 7.5.8.3, NZS3604:2011)
 - AS PER MANUFACTURER'S SPECIFICATIONS
12. THE DEVELOPMENT OF PLAIN BARS SHALL RELY ON HOOKS IN ACCORDANCE WITH NZS3101.
13. SPLICE LAP LENGTHS ARE TO BE IN ACCORDANCE WITH NZS3101 AND TO THE VALUES AS SHOWN BELOW. STAGGER LAPS WHERE POSSIBLE, WHERE LAPS CANNOT BE STAGGERED REFER TO ENGINEER FOR GUIDANCE. WHERE OFFSET SPLICES ARE REQUIRED THE INCLINED PORTION OF THE BAR SHALL NOT EXCEED A 1 IN 6 CRANK.

REFER TO TABLES ON SHEET 001 FOR REINFORCING LAP SPECIFICATIONS

*ALLOWANCE HAS BEEN MADE IN THE TABLE FOR A MULTIPLIER OF x1.3 FACTOR FOR 'TOP BARS' ie: FOR WHICH 300mm OF FRESH CONCRETE IS CAST BELOW THE MEMBER. (REFER TO CLAUSE 8.6.3.2, NZS3101.1:2006). FOR SLABS OR FOUNDATIONS LESS THAN 300mm THICK TOTAL THICKNESS TABULATED VALUES SHOWN CAN BE REDUCED BY A FACTOR OF 1/1.3.

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REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

PROJECT	STATUS
MILL BAY JETTY & PONTOON	FOR TENDER
SHEET DESCRIPTION	DRAWN BY
GENERIC NOTES	APPROVED BY
	SHT
	MW
	RB
	PROJECT NO.
	SHEET NO.
	REV
	20-0002
	001
	0

GENERAL NOTES FOR PRECAST UNITS

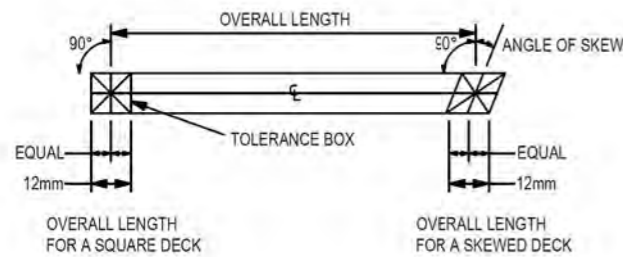
PRESTRESSING FORCE AT INITIAL TENSIONING

ALL SUPERSTANDS SHALL BE 12.9mm SUPER 7 WIRE STANDS, COMPLYING TO AS/NZS 4672 AND ASSUMED TO HAVE A MINIMUM BREAKING LOAD OF 186kN PER STRAND WITH INITIAL LOADING AS FOLLOWS:
 - STRANDS TO BE INITIALLY LOADED TO 130kN PER STRAND
 STRANDS SHALL BE RELEASED SLOWLY AND AFTER RELEASE SHALL BE CUT AND GROUND FLUSH WITH THE CONCRETE AT THE END OF THE UNIT. A THICK COATING OF HIGH BUILD EPOXY PAINT SHALL BE APPLIED AFTER GRINDING BEFORE THE UNIT LEAVES THE CASTING YARD.

UNIT TOLERANCES

- TOLERANCES ARE TO BE IN ACCORDANCE WITH NZS3109:1997 T5.1 UNLESS OTHERWISE SHOWN
- OVERALL LENGTH AND SQUARENESS AT TIME OF ERECTION AS FOLLOWS:

- ±12mm OVERALL LENGTH
- ±6mm PLANE SURFACE DEVIATION FROM 1500mm USING A STRAIGHT EDGE
- ±8mm OVERALL CROSS SECTION DIMENSION
- ±15mm LEVEL DIFFERENCE OF ADJACENT UNIT'S TOP SURFACES
- ±6mm HORIZONTAL DEVIATION
- ±5mm WEB THICKNESS
- ±6mm FLANGE THICKNESS
- ±12mm DIAPHRAGM THICKNESS
- ±15mm HOGGING VARIATION
- 25mm MAXIMUM HOGGING



- DHC BEAM UNITS ARE SPACED AT 1.15m CENTERS TO ALLOW FOR THE TOLERANCE ON WIDTH AND STRAIGHTNESS WHEN PLACED

HANDLING

- UNITS TO BE KEPT AS HORIZONTAL AS POSSIBLE WHEN HANDLING, STORING AND TRANSPORTING
- UNITS TO BE STORED AND TRANSPORTED WITH ADEQUATE SUPPORTS SPACED SO THAT NO SPANS EXCEED THAT AS IN FINAL INSTALLATION AND NO DAMAGES CAN OCCUR
- A SUITABLY QUALIFIED ENGINEER IS TO DESIGN THE ADDITIONAL ELEMENT REQUIREMENTS FOR THE "LIFT" LOAD CONDITION DURING TRANSPORT AND INSTALLATION. NO WELDING OR APPLICATIONS OF HEAT SHALL BE PERMITTED TO ANY SPECIFIED INSERTS OF EQUIPMENT. NO LIFTING FROM PROTRUDING REINFORCING BARS PERMITTED
- SUITABLE LIFTING EQUIPMENT MUST BE USED TO ENSURE:
 - EVEN LOADS WHEN LIFTING PRECAST UNITS AND NO UNEVEN LOADS EXERTED INTO THE UNITS
 - AVOIDANCE OF SLIDING AND JERKING
- ANY DAMAGES OR CRACKS TO UNITS CAUSED BY HANDLING MUST BE INSPECTED BY THE ENGINEER OR UNITS MUST BE REPLACED

CONCRETE FINISHES

- WHERE NOT SPECIFIED AND NOT SHOWN ON THE DRAWINGS, SURFACE FINISHES SHALL BE AS FOLLOWS (REF NZS3114)

1.1 DHC BEAMS

- | | |
|------------------------------|----|
| A. CONCEALED FORMED SURFACES | F2 |
| B. EXPOSED FORMED SURFACES | F4 |
| C. TOP FINISH ONLY | U6 |

1.1 PRECAST BEAMS

- | | |
|-----------------------------------|----|
| A. CONCEALED FORMED SURFACES | F2 |
| B. EXPOSED FORMED SURFACES | F4 |
| C. TOP FINISH ONLY FOR T-BEAM WEB | U6 |

1.1 TOPPING SLAB

- | | |
|------------------------------|----|
| A. CONCEALED FORMED SURFACES | F2 |
| B. EXPOSED FORMED SURFACES | F4 |
| C. TOP FINISH ONLY | U6 |

- CORNERS AND EDGES TO BE CHAMFERED AS SHOWN ON PLANS
- DRIP GROOVES TO EDGE UNDERSIDES AS SHOWN ON PLANS
- HONEYCOMBING IS NOT PERMITTED IN ANY LOCATION

PERMISSIONS DURING CONSTRUCTION

- PILES:
ALLOW 3 DAYS CURING BEFORE PLACING HEADSTOCK BEAMS.
- PRECAST HEADSTOCK BEAMS:
ALLOW 7 DAYS WATER CURING AFTER CASTING IN PLACE ON PILE.
- DECK (IN-SITU HEADSTOCK BEAMS AND TOPPING SLAB):
CONSTRUCTION LOADS ON DECK LIMITED TO 2kPa.

ALLOW 14 DAYS CURING BEFORE ALLOWING 5kPa VEHICLE LOADING FOR CONSTRUCTION.

ALLOW 28 DAYS CURING BEFORE ALLOWING FULL VEHICLE LOADINGS AND ACCESS.

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REV	DETAILS	DATE	PROJECT	STATUS		
0	ISSUED FOR TENDER	03/10/2022	MILL BAY JETTY & PONTOON	FOR TENDER		
			SHEET DESCRIPTION	DRAWN BY	APPROVED BY	SHT
			GENERIC NOTES 2	MW	RB	A3
				PROJECT NO.	SHEET NO.	REV
				20-0002	002	0

1 GENERAL

- IF REPRODUCED, THE SCALES SHOWN WITHIN THIS DRAWING SET ARE BASED ON AN A3 SHEET. DO NOT SCALE FROM DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND CONSENTS IF REQUIRED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS. CONTRACTOR TO SEARCH, LOCATE AND CONFIRM POSITIONS OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS WHETHER SHOWN ON DRAWINGS OR NOT.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CONDITIONS IMPOSED ON ANY PERMIT OR CONSENT ISSUED FOR THE PROJECT. WHERE THERE ARE INCONSISTENCIES BETWEEN ANY PART OF THESE PLANS AND SPECIFICATIONS AND THE CONDITIONS OF THESE PERMITS OR CONSENTS, THEN THE CONDITIONS OF THE PERMITS AND CONSENTS SHALL PREVAIL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOUR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICES COMPANIES SHALL BE PLANNED FOR AND ARRANGED BY THE CONTRACTOR GIVING THE UTILITY PROVIDERS REQUIRED NOTICE OF THE NEEDED INSPECTION.
- CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO SERVICES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE ENGINEER DIRECTLY FROM THE TESTING AGENCY.
- CONTRACTOR TO STAGE WORKS AND REINSTATE ALL AFFECTED AREAS TO THE ENGINEERS SATISFACTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE ENGINEER AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
- GROUND TO HAVE A MINIMUM UNDRAINED SHEAR STRENGTH OF 20kPa (PROVEN BY PILE SET), FREE FROM DEBRIS AND OF UNIFORM BEARING. UNSUITABLE SUBGRADE MATERIAL SHALL BE REMOVED TO MEET THE DESIGN REQUIREMENTS.
- DRAINAGE METAL TO BE 20-7 WASHED METAL WRAPPED IN BIDIM A19 GEOTECHNICAL FABRIC.

2 STEEL

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH NZS 3404 AND AS/NZS 5131.
- ALL WELDING BY A CURRENTLY CERTIFIED WELDER.
- THE STRUCTURAL STEELWORK DRAWINGS SHOWS THE DESIGN INTENT. PRODUCTION OF SHOP DRAWINGS REMAINS THE RESPONSIBILITY OF THE CONSTRUCTOR. THE CONSTRUCTOR IS TO ALLOW FOR ALL HOLES, CLEATS, FIXINGS, ETC. NECESSARY FOR COMPLETION OF THE WORKS AND ARE TO BE INDICATED ON SHOP FABRICATION DRAWINGS.
- ALL STEEL WORK TO BE COATED TO A 40 YEAR DURABILITY TO THE REQUIREMENTS OF SNZTS3404:2018.
- PADDED SLINGS SHALL BE USED TO HANDLE ALL CORROSION PROTECTED STEELWORK.
- ALL WELDS SHALL BE 6MM FILLET WELD, 'SP' CLASS, E41XX ELECTRODE, UNLESS NOTED OTHERWISE.
- A CONSTRUCTION PRODUCER STATEMENT WILL BE REQUIRED FROM THE CERTIFIED WELDER.
- FIELD DAMAGE TO THE PROTECTIVE COATING SHALL BE REPAIRED TO THE REQUIREMENTS OF THE COATING APPLICATOR

3 FASTENERS/FIXINGS

- ALL FASTENERS SHALL BE 316 STAINLESS STEEL GRADE A4-70 UNLESS NOTED OTHERWISE
- ALL CAST IN THREADED INSERTS SHALL BE 316 STAINLESS STEEL
- ALL BOLTS ARE TO BE GREASED TO PREVENT THREAD LOCKING AND SHALL BE FITTED WITH A SUITABLE WASHER AND LOCKING WASHER
- ALL BOLTS SHALL BE TIGHTENED TO SNUG TIGHT PLUS A QUARTER TURN UNLESS NOTED OTHERWISE
- ALL CHEMSET MATERIAL TO BE EPCON C8 GRADE (OR SIMILAR), HOLES TO BE THOROUGHLY CLEANED PRIOR TO APPLICATION

4 SURVEY SETOUT

- DRAWING SET HORIZONTAL PROJECTION USED IN THIS DRAWING SET IS MOUNT EDEN 2000. UNLESS NOTED OTHERWISE DRAWING SET VERTICAL DATUM IS CHART DATUM.

5 CONCRETE

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH NZS 3109. CONCRETE SHALL HAVE A 28-DAY MINIMUM CONCRETE STRENGTH IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS SHOW ON DRAWINGS.
- THE MAXIMUM SIZE COARSE AGGREGATE SHALL BE 19mm EXCEPT WHEN OTHERWISE SPECIFIED ON THE PLANS. 13mm AGGREGATE FOR PUMPING MIXES IS SUITABLE
- ALL REINFORCEMENT SHALL CONFORM TO AS/NZS 4671, DRAWING REINFORCEMENT IS NOTED AS FOLLOWS:

CODE	DESCRIPTION
D	DEFORMED BARS GRADE 300
HD	DEFORMED BARS GRADE 500
R	ROUND BARS GRADE 300
HR	ROUND BARS GRADE 500

- 10mm CHAMFER TO ALL EXPOSED EDGES.

6 PILE INSTALLATION AND PILE SETS

- ALL PILES SHALL BE DRIVEN BY VIBRO HAMMER AND DRILLED OUT TO ACHIEVE THE FOLLOWING:
 -
 -
- ALL OTHER PILES SHALL BE DRIVEN FROM THE BASE OF THE STEEL CASING.
- A PILE RECORD CARD SHALL BE KEPT FOR ALL PILES RECORDING THE DRILL DEPTH, DRIVEN DEPTH AND THE NUMBER OF BLOWS PER METER OR PENETRATION.
- THE FOLLOWING MINIMUM PILE SETS SHALL BE ACHIEVED OVER THE LAST METER OF DRIVING.

STIRRUP MINIMUM BEND DIAMETER

BAR DIAMETER (mm)	GRADE 300E OR 500E (mm)
5	10
6	12
8	16
10	20
12	24
16	32

DEFORMED STIRRUP MINIMUM BEND DIAMETER

BAR DIAMETER (mm)	GRADE 300E OR 500E (mm)
10	40
12	48
16	64
20	80
25	150
32	192

DEFORMED BAR MINIMUM BEND DIAMETER

BAR DIAMETER (mm)	GRADE 300E OR 500E (mm)
10	50
12	60
16	80
20	100
25	150
32	192

LAP LENGTH / DEVELOPMENT LENGTH FOR DEFORMED BARS - 300E

BAR DIAMETER (mm)	20 MPa	25 MPa	30 MPa	35 MPa	40 MPa	50 MPa
10	440	390	360	330	310	280
12	530	470	430	400	370	340
16	700	630	570	530	500	450
20	880	780	720	660	620	560
25	1100	980	900	830	780	690
32	1400	1250	1140	1060	990	890

LAP LENGTH / DEVELOPMENT LENGTH FOR DEFORMED BARS - 500E

BAR DIAMETER (mm)	20 MPa	25 MPa	30 MPa	35 MPa	40 MPa	50 MPa
10	730	650	600	550	520	460
12	880	780	720	660	620	560
16	1170	1040	950	880	830	740
20	1460	1300	1190	1100	1030	920
25	1820	1630	1490	1380	1290	1150
32	2330	2080	1900	1760	1650	1480

DEVELOPMENT LENGTH L_{dh} FOR 90 OR 180 DEGREE HOOK BARS - 300E

BAR DIAMETER (mm)	20 MPa	25 MPa	30 MPa	35 MPa	40 MPa	50 MPa
10	170	150	140	130	120	110
12	200	180	160	150	140	130
16	260	240	220	200	190	170
20	330	290	270	250	230	210
25	410	360	330	310	290	260
32	520	470	430	390	370	330

DEVELOPMENT LENGTH L_{dh} FOR 90 OR 180 DEGREE HOOK BARS - 500E

BAR DIAMETER (mm)	20 MPa	25 MPa	30 MPa	35 MPa	40 MPa	50 MPa
10	270	240	220	210	190	170
12	330	290	270	250	230	210
16	430	390	360	330	310	280
20	540	480	440	410	380	340
25	680	600	550	510	480	430
32	860	770	710	650	610	550

ITEM	CONCRETE TYPE	AGGREGATE SIZE	ADDITIVES	ESTIMATED SLUMP (TBC)	CURING
PRECAST HEADSTOCKS	50 MPa 30% FLY ASH	19mm	SUPER PLASTICISER	50-100mm	7 DAY WATER CURE
PRECAST UNISPAN PANELS	50 MPa 30% FLY ASH	19mm	SUPER PLASTICISER	50-100mm	7 DAY WATER CURE
PILES	40 MPa 30% FLY ASH	13mm	SUPER PLASTICISER SHRINKAGE COMPENSATING ADMIXTURE	100-150mm	3 DAYS CURING BEFORE INSTALLING HEADSTOCKS
CAST IN SITU DECK	50 MPa 30% FLY ASH	13mm	SUPER PLASTICISER	100mm	7 DAY WATER CURE OR CURING MEMBRANE



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CLIENT



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REV	DETAILS	DATE
0	ISSUED FOR CONSULTATION	24/08/2022

PROJECT	STATUS
MILL BAY JETTY & PONTOON	FOR TENDER
SHEET DESCRIPTION	DRAWN BY
GENERAL NOTES	APPROVED BY
	SHT
	MW
	RB
	A3
PROJECT NO.	SHEET NO.
20-0002	003
REV	0

Filename: Pld Date: 3/10/2022 9:02:50 pm



Filename:
 Pict Date: 3/10/2022 9:02:52 pm



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REV	DETAILS	DATE
0	ISSUED FOR CONSULTATION	24/08/2022

PROJECT
MILL BAY JETTY & PONTOON
SHEET DESCRIPTION
SITE LOCATION

STATUS		
FOR TENDER		
DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	A-1001	0



EXISTING SITE PLAN
1 : 250

Filename:
 Plot Date: 3/10/2022 9:02:54 pm



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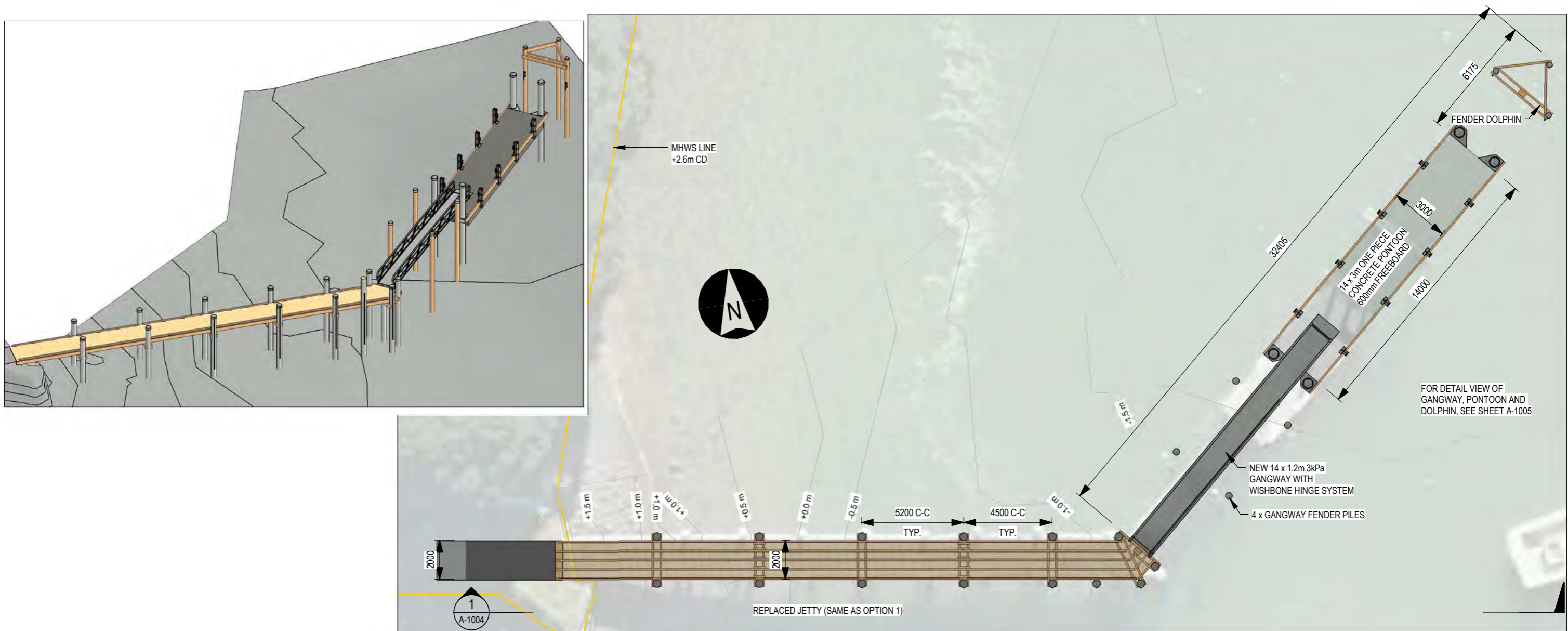


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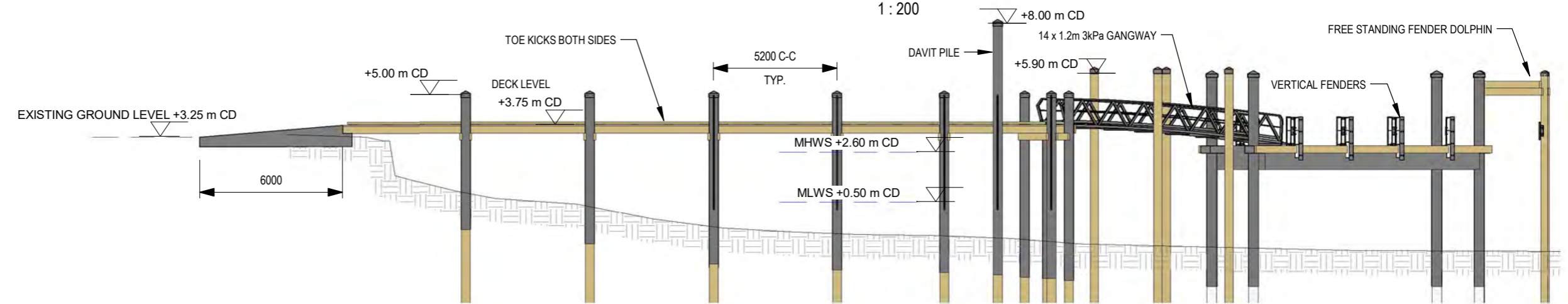
REV	DETAILS	DATE
0	ISSUED FOR CONSULTATION	24/08/2022
1	ISSUED FOR TENDER	03/10/2022

PROJECT
MILL BAY JETTY & PONTOON
SHEET DESCRIPTION
EXISTING SITE PLAN

STATUS		
FOR TENDER		
DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	A-1002	1



OPTION 2 - PLAN
1 : 200



OPTION 2 - ELEVATION
1 : 200

Filename: Pld Date: 3/10/2022 9:02:58 pm



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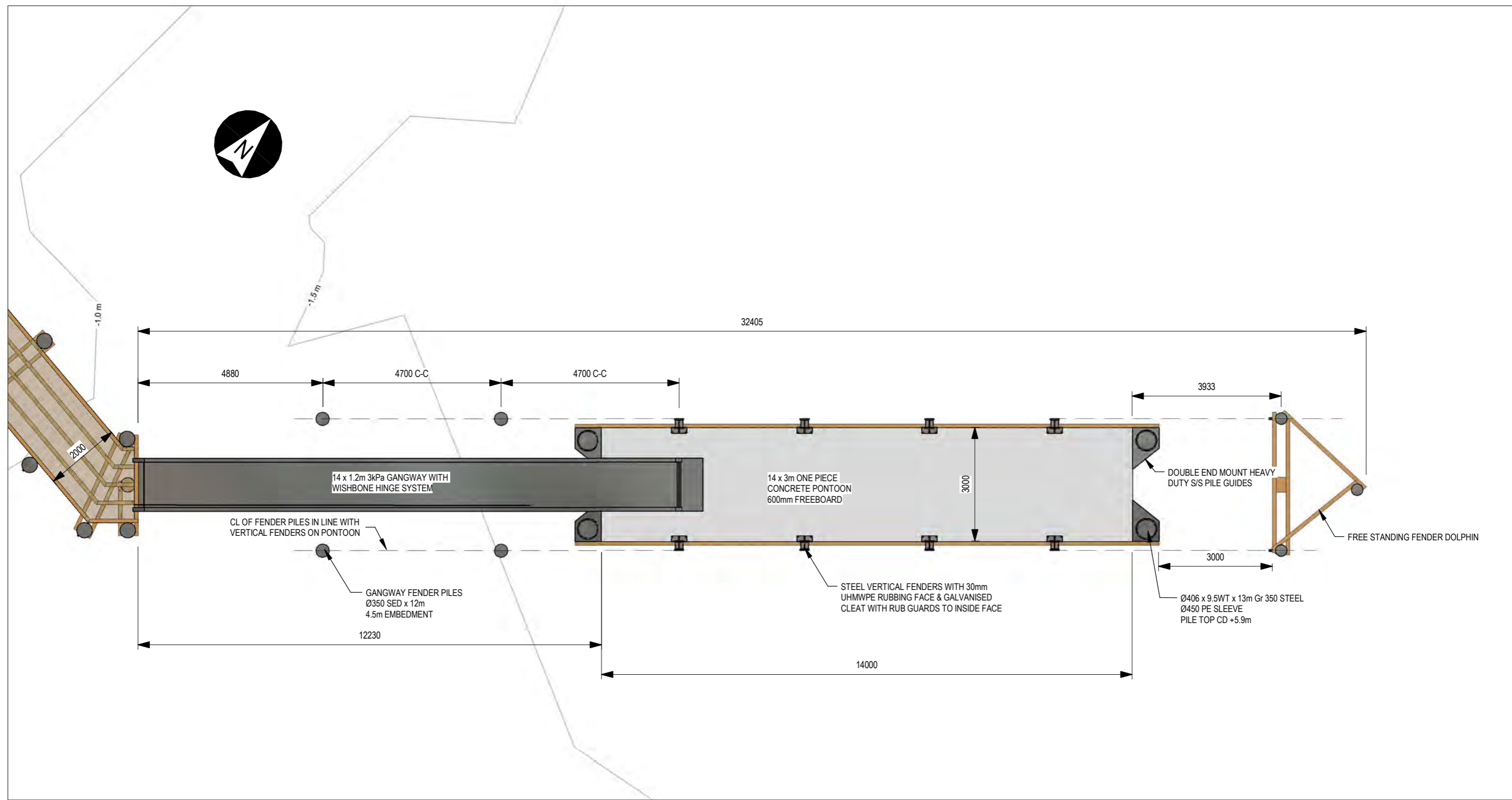


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REV	DETAILS	DATE
0	ISSUED FOR CONSULTATION	24/08/2022
1	ISSUED FOR TENDER	03/10/2022

CLIENT	PROJECT	STATUS
FAR NORTH HOLDINGS LIMITED	MILL BAY JETTY & PONTOON	FOR TENDER
	SHEET DESCRIPTION	
	PROPOSED GENERAL ARRANGEMENT - OPTION 2	

DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	A-1004	1



PROPOSED OPTION 2 - PONTOON AREA

1 : 100

Filename: Pldt Date: 3/10/2022 9:02:59 pm



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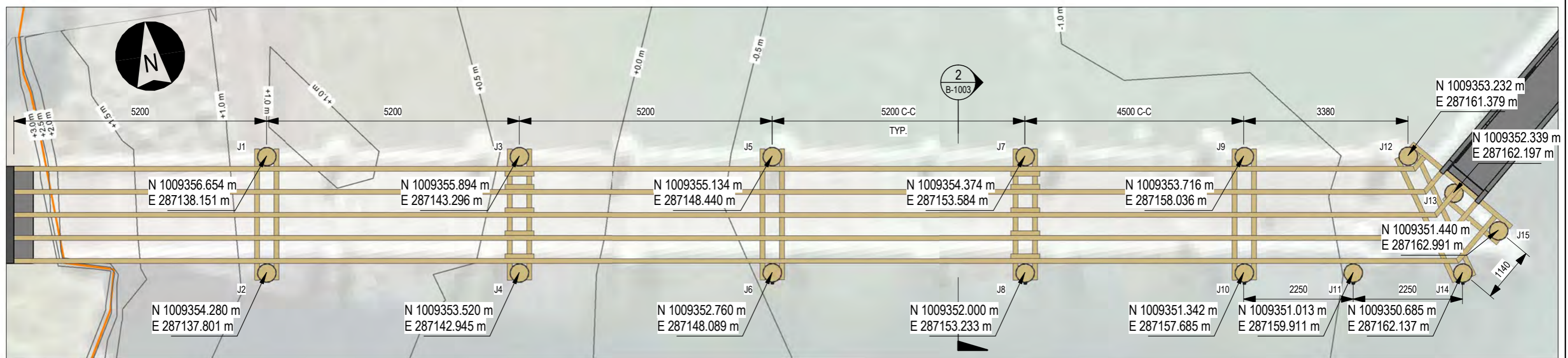


REV	DETAILS	DATE
0	ISSUED FOR CONSULTATION	24/08/2022
1	ISSUED FOR TENDER	03/10/2022

PROJECT	STATUS
MILL BAY JETTY & PONTOON	FOR TENDER
SHEET DESCRIPTION	
PROPOSED OPTION 2 - GANGWAY, PONTOON & DOLPHIN DETAIL	

DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	A-1005	1

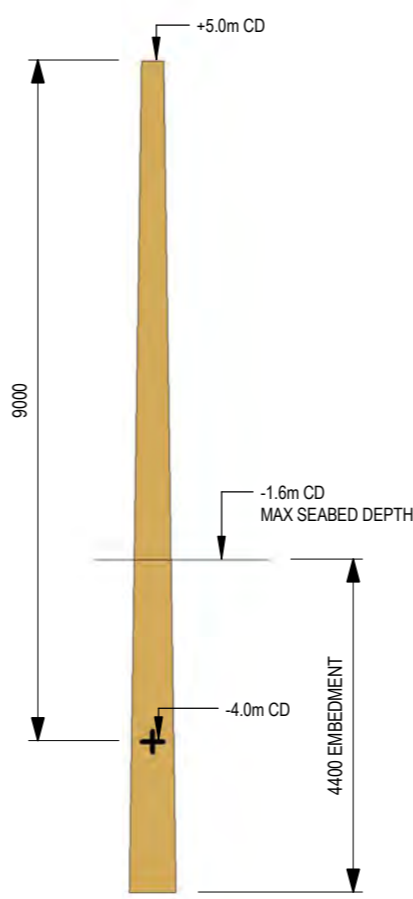
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- NOTES:**
- ALL COORDINATES IN MT. EDEN 2000
 - GPS COORDINATES AVAILABLE ON REQUEST
 - ALL PE SLEEVES EMBEDDED 1.5m INTO SEABED

JETTY PILING PLAN

1 : 80



PILE CRITICAL POINT

1 : 100

JETTY PILES

Mark	Length	Base Level	Top Level	Type
J1	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J2	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J3	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J4	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J5	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J6	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J7	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J8	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J9	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J10	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J11	14.00 m	-6.00 m	+8.00 m	Ø375 H6 HIGH DENSITY PINE
J12	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J13	7.41 m	-4.00 m	+3.41 m	Ø375 H6 HIGH DENSITY PINE
J14	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE
J15	11.00 m	-6.00 m	+5.00 m	Ø375 H6 HIGH DENSITY PINE

JETTY PE SLEEVES				
Mark	Length	Base Offset	Top Offset	Type
J1	5.65 m	-0.65 m	+5.00 m	400 PE SLEEVE
J2	5.65 m	-0.65 m	+5.00 m	400 PE SLEEVE
J3	6.15 m	-1.15 m	+5.00 m	400 PE SLEEVE
J4	6.25 m	-1.25 m	+5.00 m	400 PE SLEEVE
J5	7.25 m	-2.25 m	+5.00 m	400 PE SLEEVE
J6	7.10 m	-2.10 m	+5.00 m	400 PE SLEEVE
J7	7.35 m	-2.35 m	+5.00 m	400 PE SLEEVE
J8	7.35 m	-2.35 m	+5.00 m	400 PE SLEEVE
J9	7.40 m	-2.40 m	+5.00 m	400 PE SLEEVE
J10	7.45 m	-2.45 m	+5.00 m	400 PE SLEEVE
J11	10.55 m	-2.55 m	+8.00 m	400 PE SLEEVE
J12	7.65 m	-2.65 m	+5.00 m	400 PE SLEEVE
J13	6.11 m	-2.70 m	+3.41 m	400 PE SLEEVE
J14	7.70 m	-2.70 m	+5.00 m	400 PE SLEEVE
J15	7.80 m	-2.80 m	+5.00 m	400 PE SLEEVE

-GRAVEL FILL FOR PILES J1,2,3,4,5,7,9,12,13,15.
-20 MPa GROUT FILL FOR PILES J6,8,10,11,14.

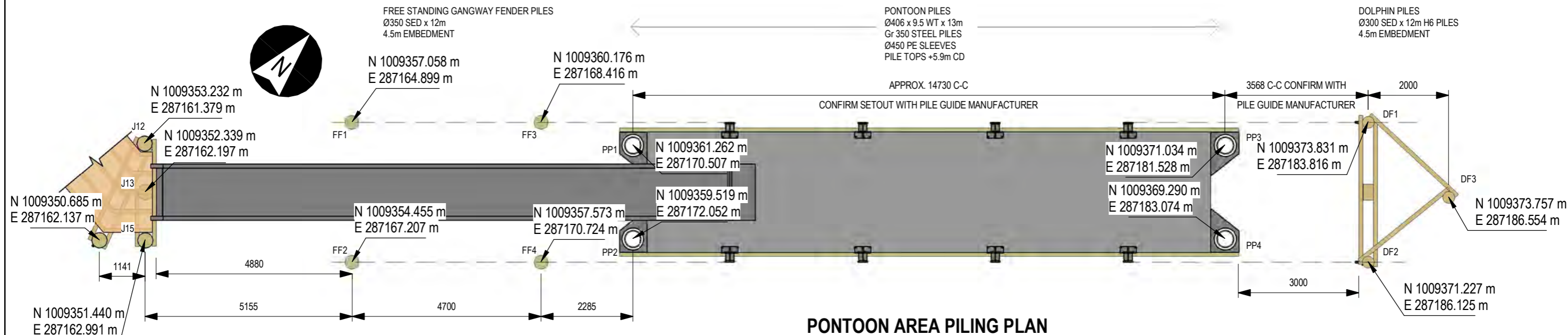
Filename: Pld Date: 3/10/2022 9:03:00 pm



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REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

PROJECT	STATUS
MILL BAY JETTY & PONTOON	FOR TENDER
SHEET DESCRIPTION	DRAWN BY
JETTY PILING PLAN	RB
	APPROVED BY
	SHT
	A3
	PROJECT NO.
	20-0002
	SHEET NO.
	B-1001
	REV
	0



PONTON AREA PILING PLAN
1 : 100

- NOTES:**
- ALL COORDINATES IN MT. EDEN 2000
 - GPS COORDINATES AVAILABLE ON REQUEST
 - ALL PE SLEEVES EMBEDDED 1.5m INTO SEABED

PONTON & FENDER PE SLEEVES				
Mark	Length	Base Level	Top Level	Type
PP1	9 m	-3.1 m	+5.9 m	450 PE SLEEVE
PP2	9 m	-3.1 m	+5.9 m	450 PE SLEEVE
PP3	9 m	-3.1 m	+5.9 m	450 PE SLEEVE
PP4	9 m	-3.1 m	+5.9 m	450 PE SLEEVE

PONTON & FENDER PILES				
Mark	Length	Base Level	Top Level	Type
DF1	12 m	-6.1 m	+5.9 m	300 SED PILE
DF2	12 m	-6.1 m	+5.9 m	300 SED PILE
DF3	12 m	-6.1 m	+5.9 m	300 SED PILE
FF1	12 m	-6.1 m	+5.9 m	350 SED PILE
FF2	12 m	-6.1 m	+5.9 m	350 SED PILE
FF3	12 m	-6.1 m	+5.9 m	350 SED PILE
FF4	12 m	-6.1 m	+5.9 m	350 SED PILE
PP1	13 m	-7.1 m	+5.9 m	406.4x9.5CHS
PP2	13 m	-7.1 m	+5.9 m	406.4x9.5CHS
PP3	13 m	-7.1 m	+5.9 m	406.4x9.5CHS
PP4	13 m	-7.1 m	+5.9 m	406.4x9.5CHS

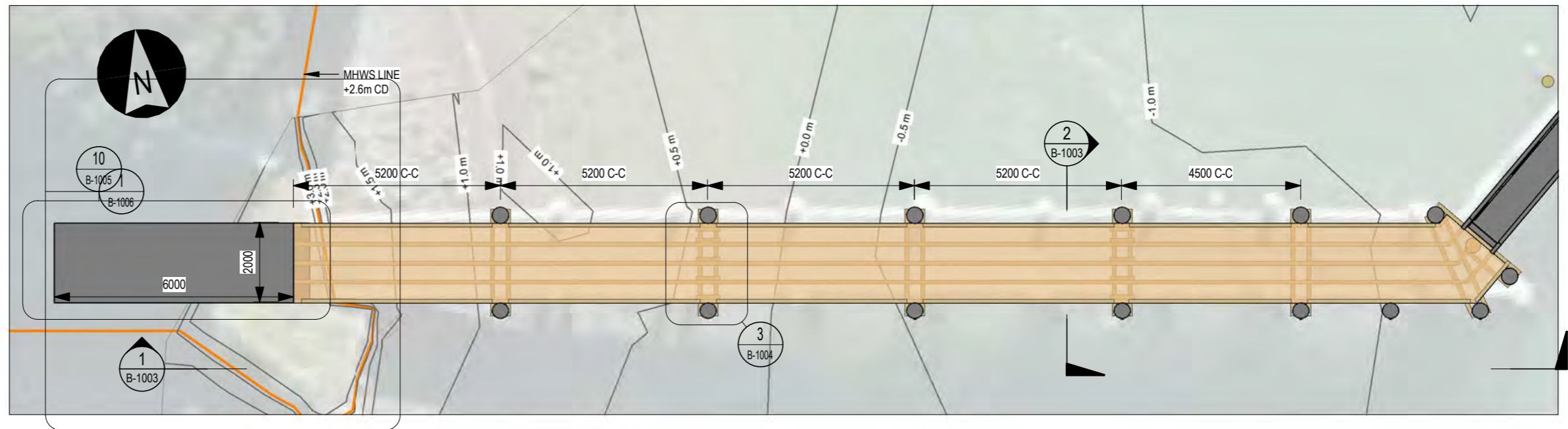
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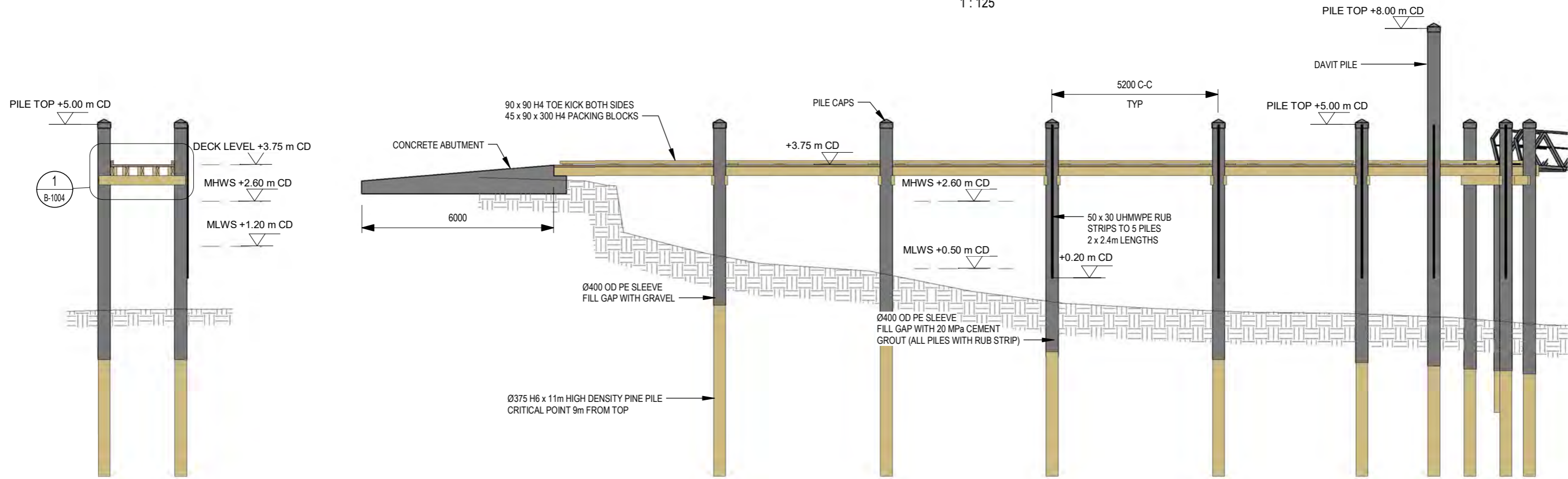
REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

PROJECT	STATUS
MILL BAY JETTY & PONTON	FOR TENDER
SHEET DESCRIPTION	DRAWN BY
PONTON PILING PLAN	RB
	APPROVED BY
	SHT
	A3
	PROJECT NO.
	20-0002
	SHEET NO.
	B-1002
	REV
	0



JETTY CONSTRUCTION - PLAN

1 : 125



JETTY CONSTRUCTION - TYPICAL SECTION

1 : 125

JETTY CONSTRUCTION - ELEVATION

1 : 125

File name: Pld Date: 3/10/2022 9:03:02 pm



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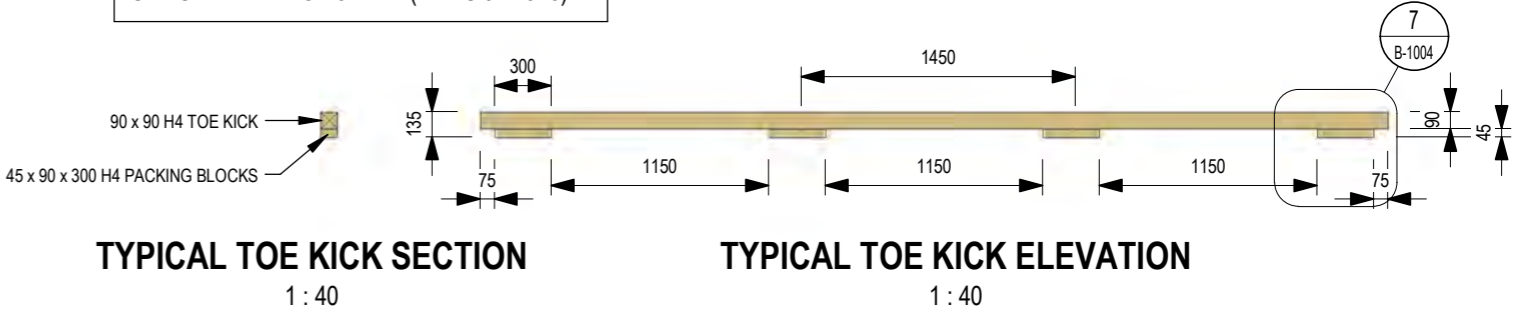
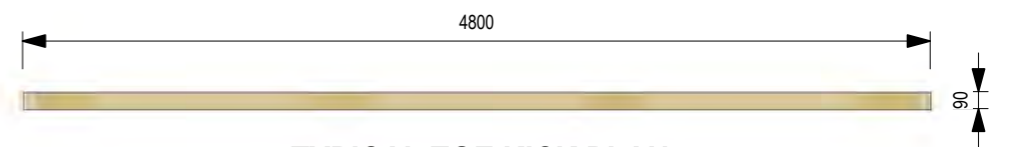
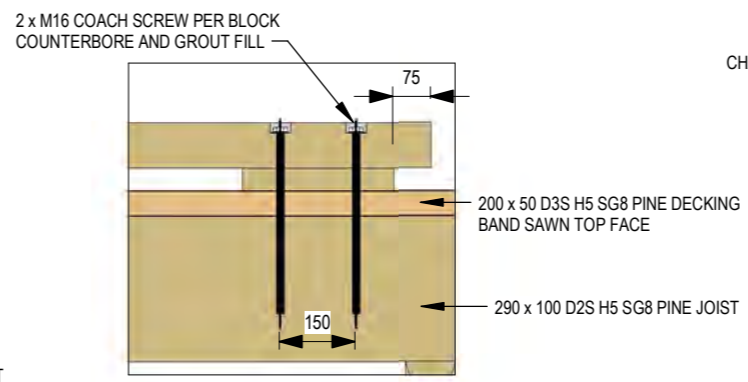
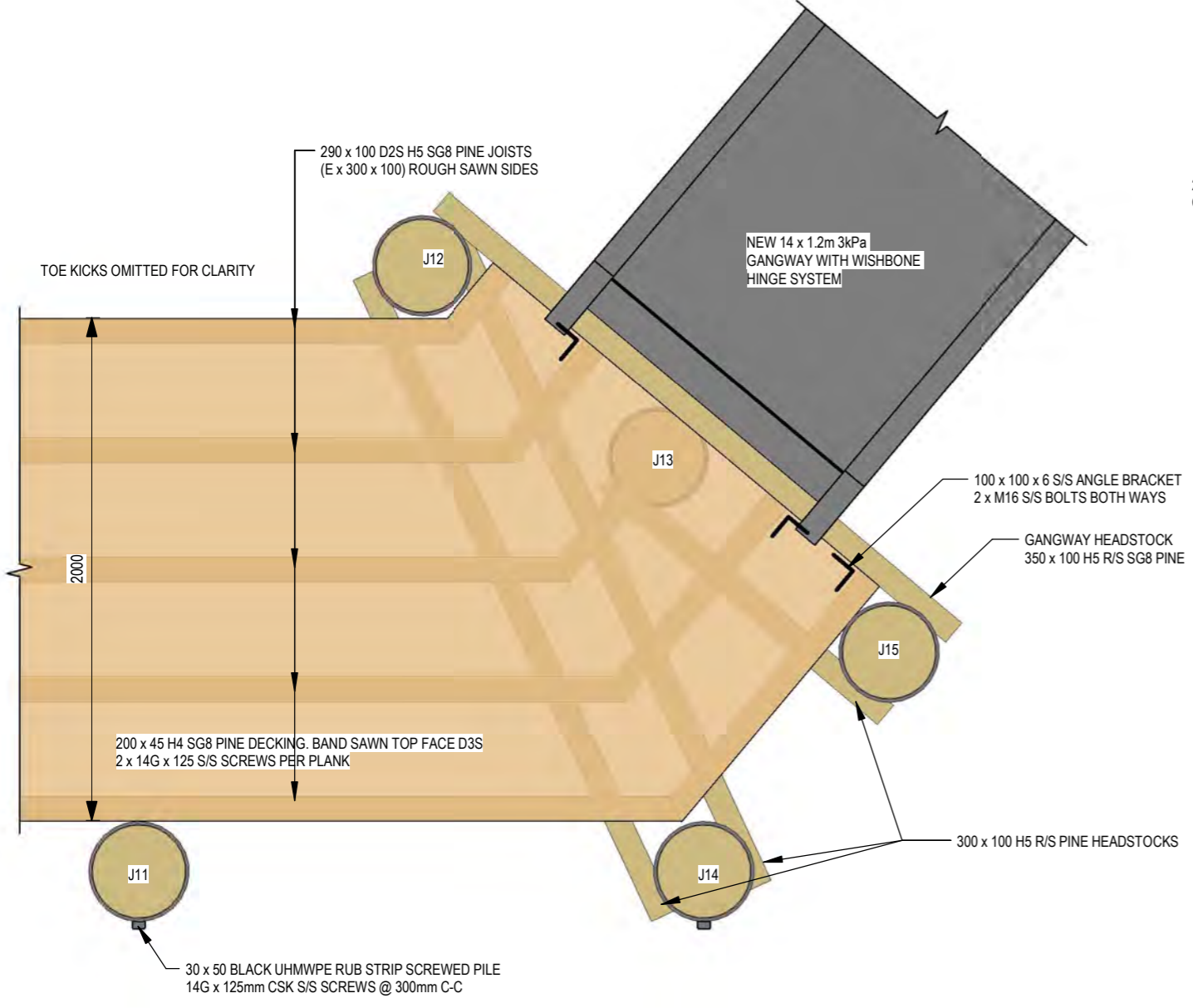
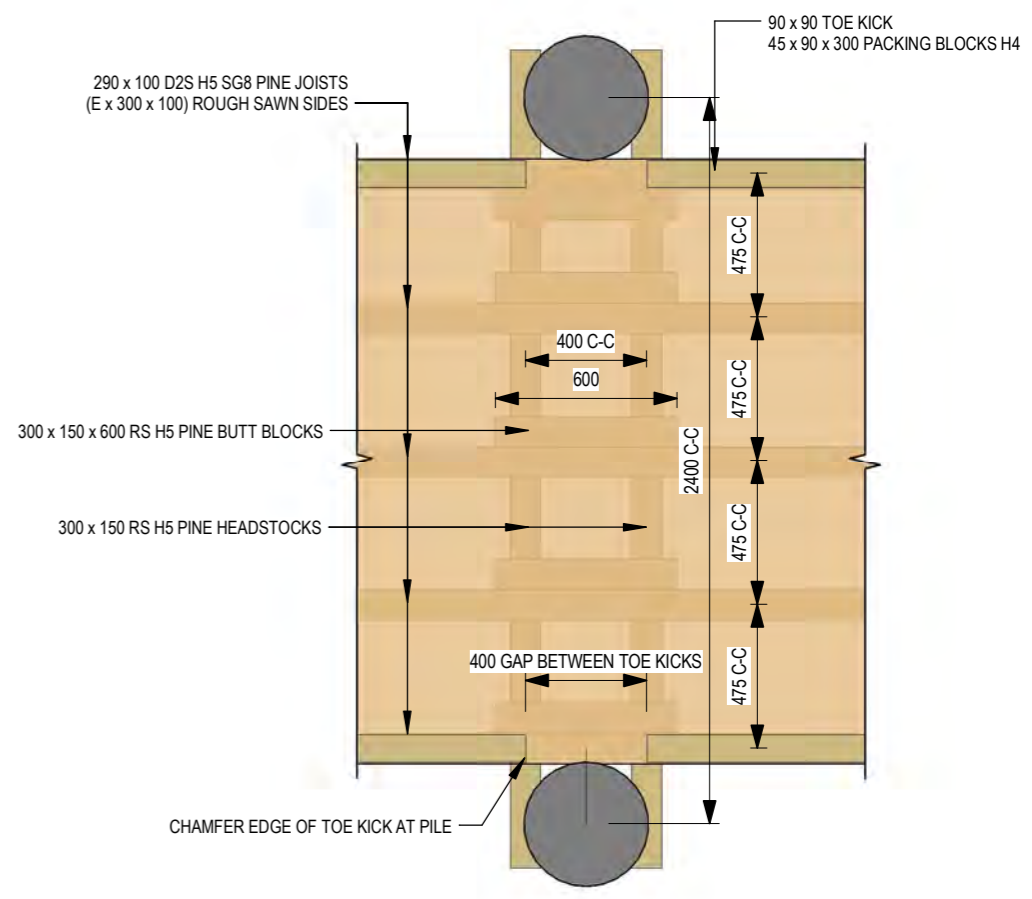
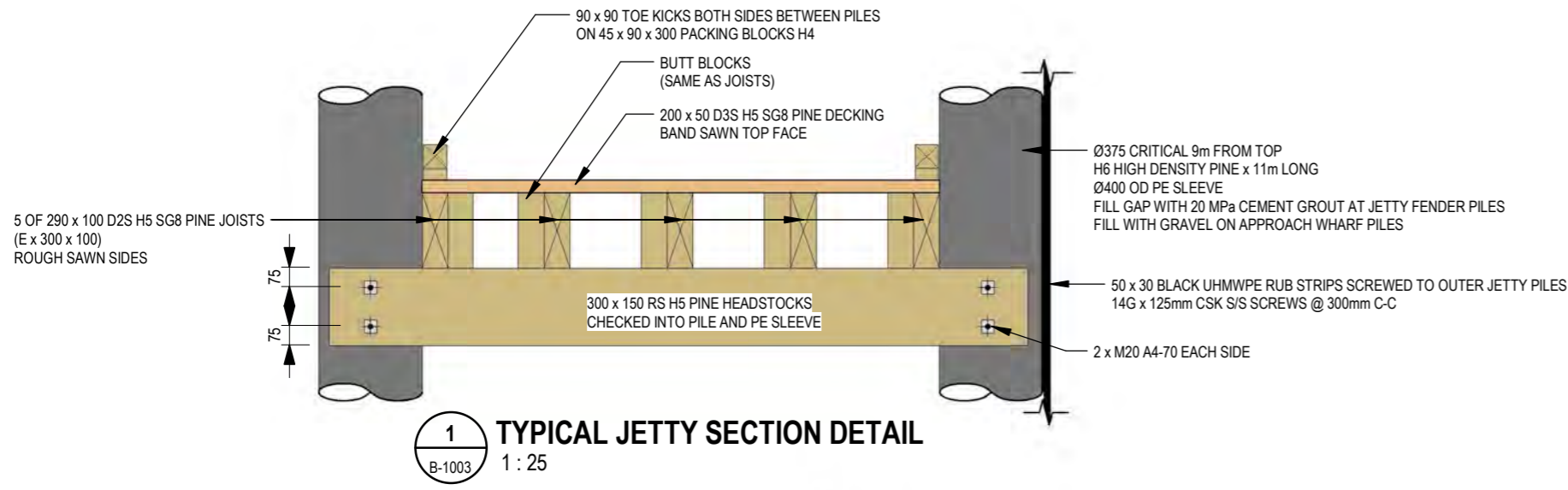


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REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

PROJECT	STATUS
MILL BAY JETTY & PONTOON	FOR TENDER
SHEET DESCRIPTION	
JETTY CONSTRUCTION DETAILS (1/2)	

DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	B-1003	0

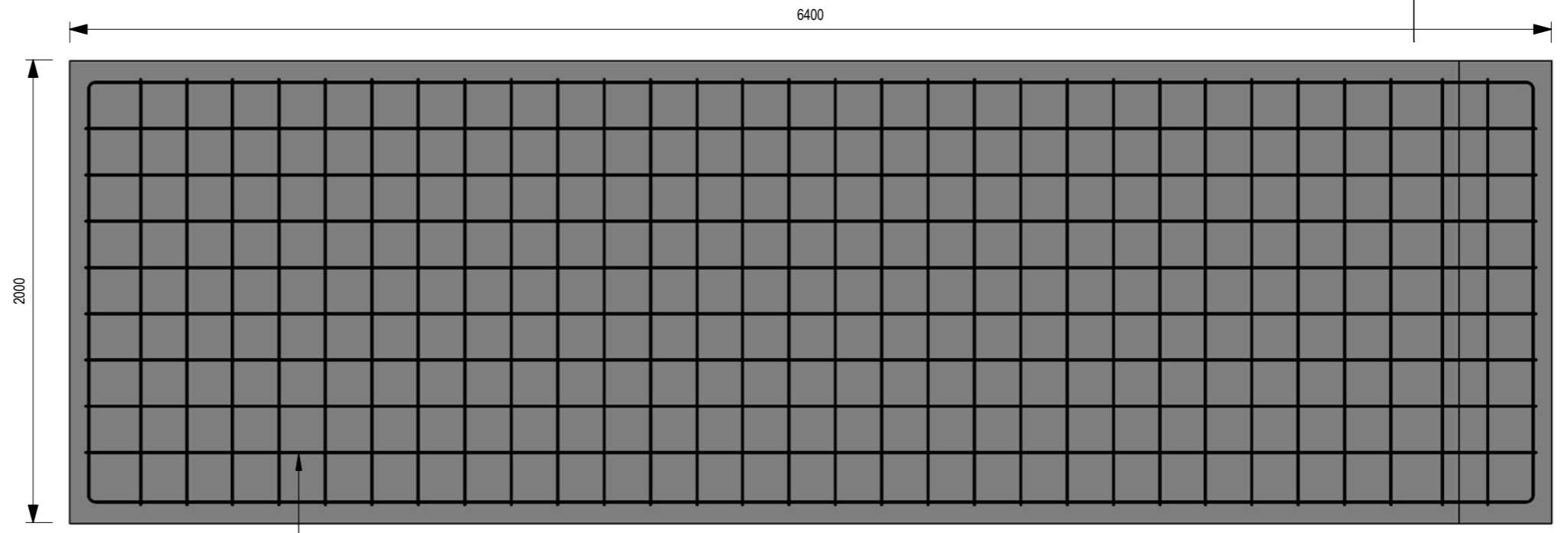


Filename: 3/10/2022 9:03:03 pm

REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

PROJECT	STATUS
MILL BAY JETTY & PONTOON	FOR TENDER
SHEET DESCRIPTION	DRAWN BY
JETTY CONSTRUCTION DETAILS (2/2)	MW
	APPROVED BY
	RB
	SHT
	A3
	PROJECT NO.
	20-0002
	SHEET NO.
	B-1004
	REV
	0

- NOTES:**
- 40 MPa CONCRETE 8% MICRO SILICA
 - MINIMUM 75mm COVER TO SIDE WALLS
 - MINIMUM 60mm COVER TO TOP FACE
 - HEAVY BROOM & TROWELLED BORDER FINISH



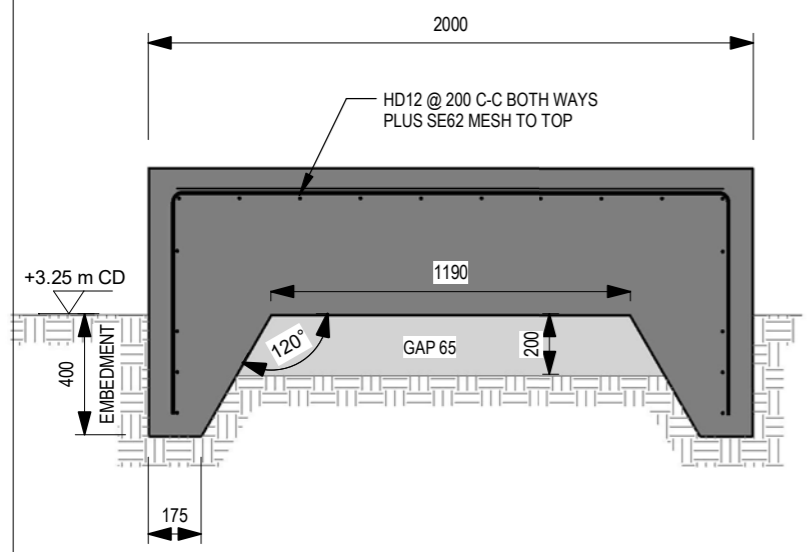
LAND ABUTMENT PLAN
1 : 25

HD12 @ 200mm C-C BOTH WAYS
SE62 MESH TO TOP

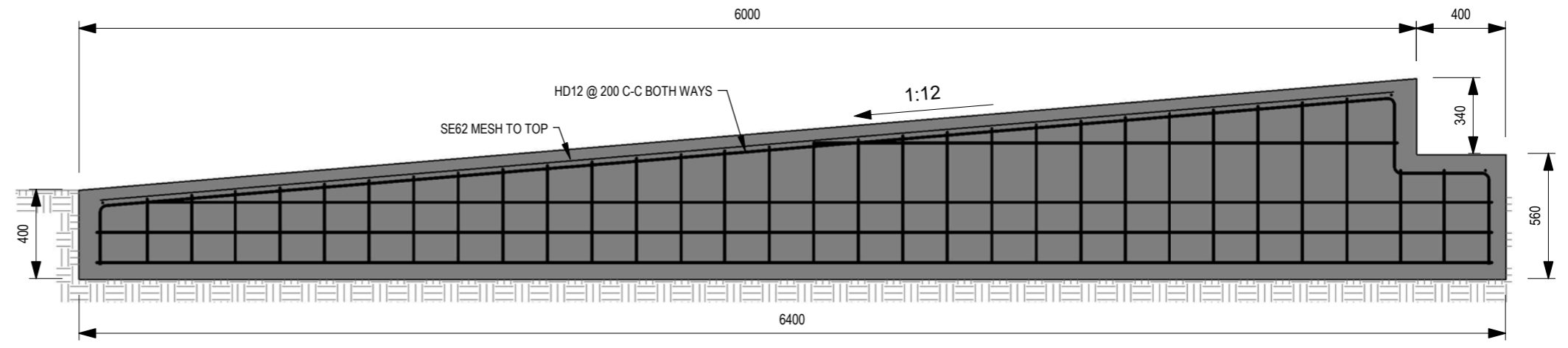
2
B-1006

2
B-1006

1
B-1005



TYPICAL LAND ABUTMENT SECTION
1 : 25



LAND ABUTMENT ELEVATION
1 : 25

Filename: Pld Date: 3/10/2022 9:03:04 pm

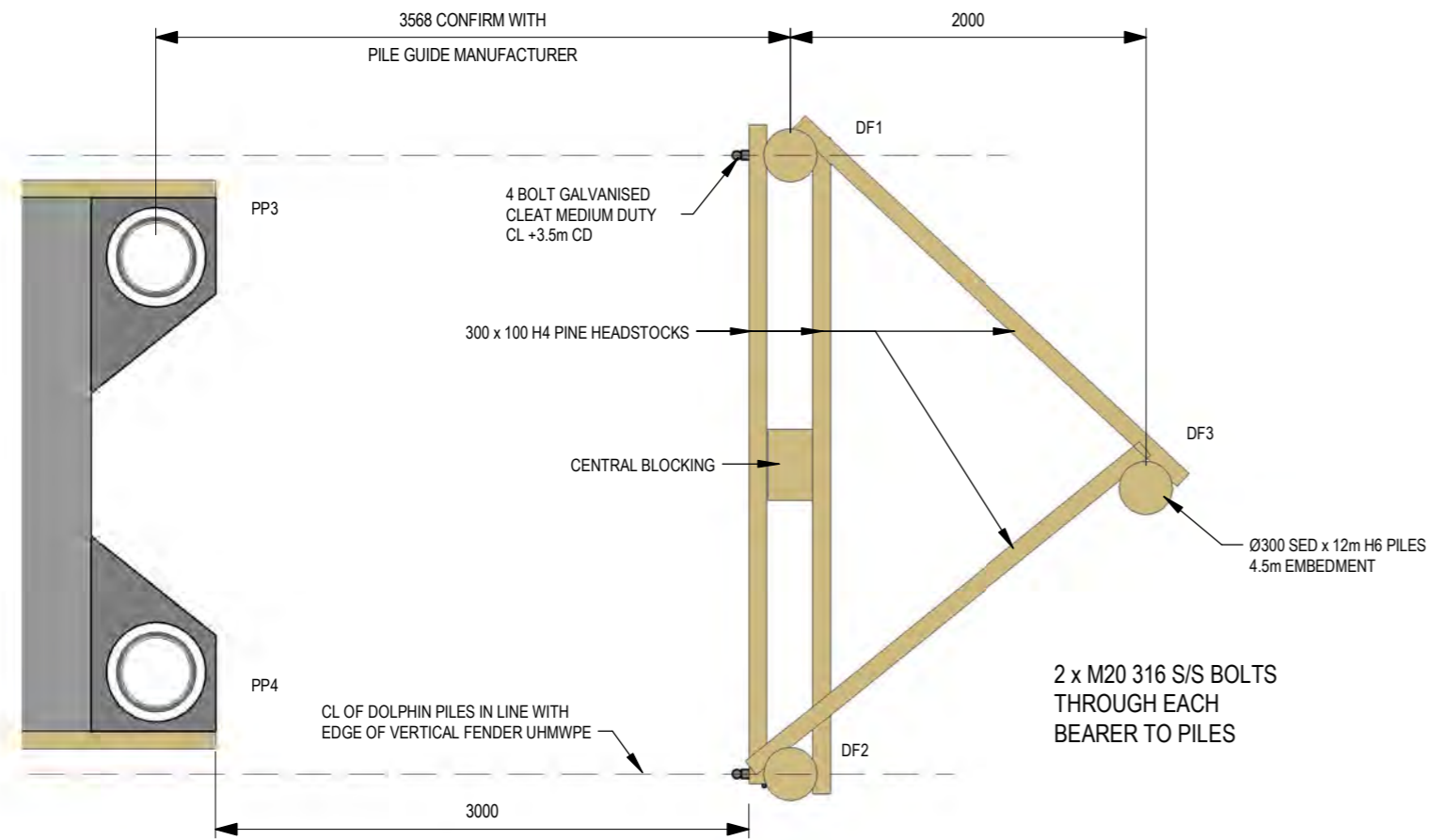


REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

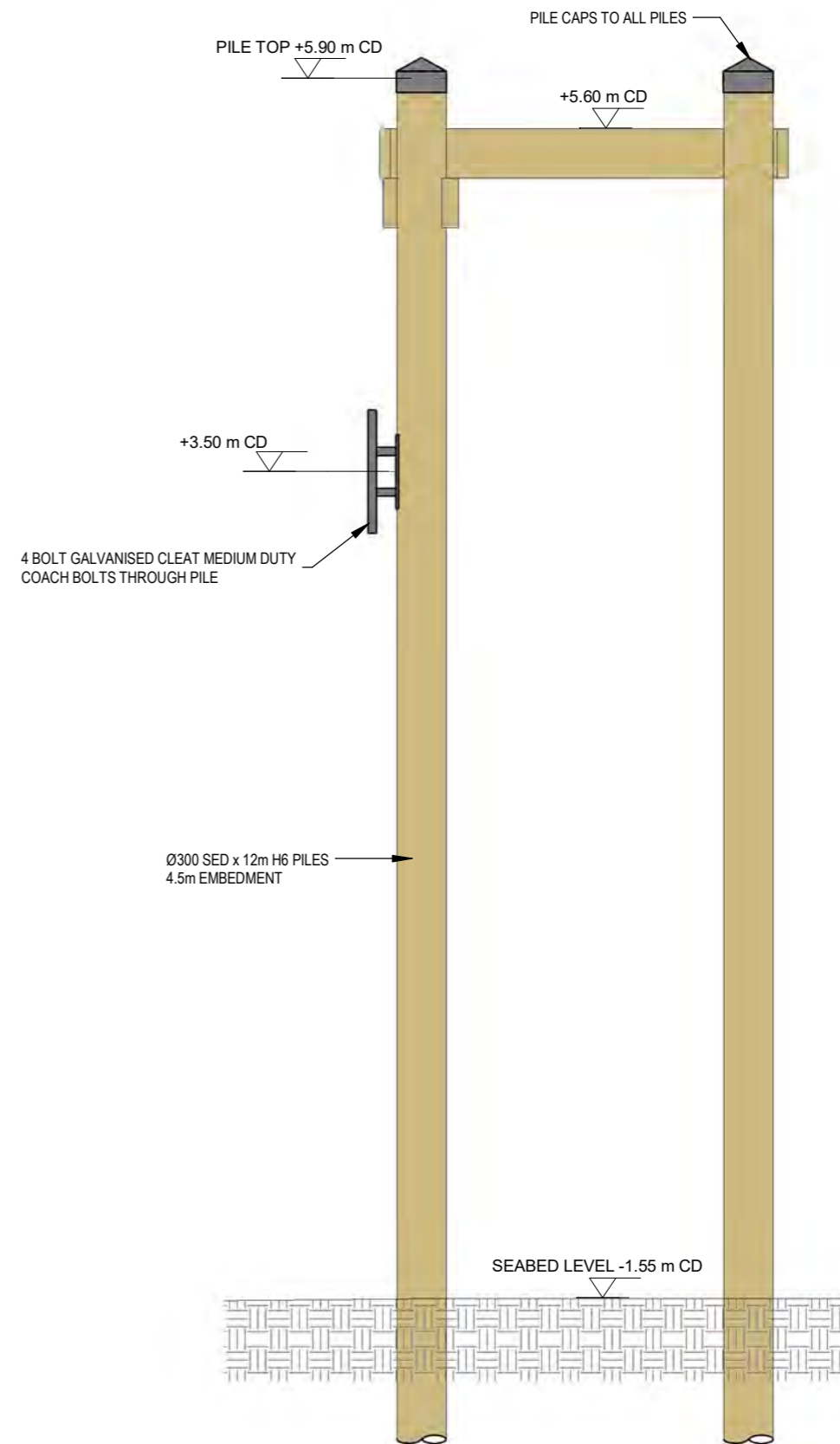
PROJECT
MILL BAY JETTY & PONTOON
SHEET DESCRIPTION
LAND ABUTMENT DETAIL

STATUS		
FOR TENDER		
DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	B-1005	0

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DOLPHIN FENDER PLAN
1 : 40



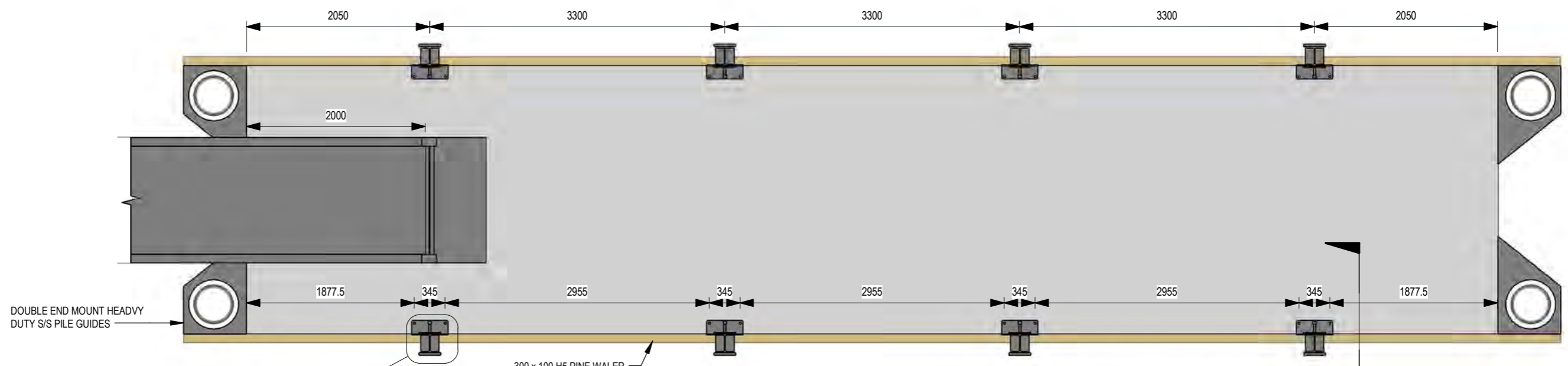
DOLPHIN FENDER ELEVATION
1 : 40

File name: Pldt Date: 3/10/2022 9:03:05 pm

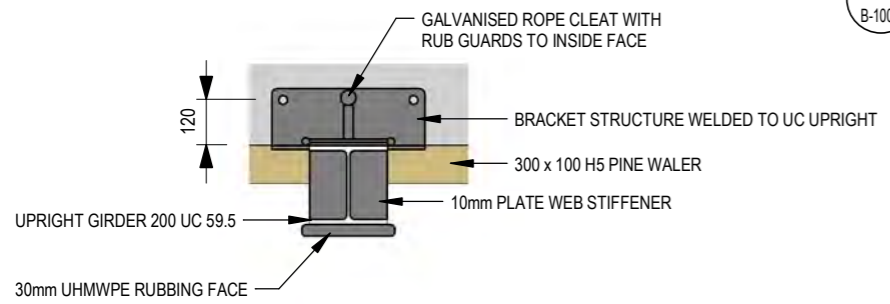
REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

PROJECT
MILL BAY JETTY & PONTOON
SHEET DESCRIPTION
DOLPHIN FENDER GENERAL ARRANGEMENT

STATUS		
FOR TENDER		
DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	B-1007	0

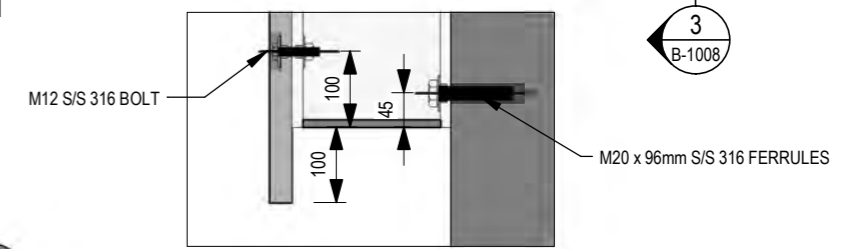


PONTOON PLAN
1 : 50

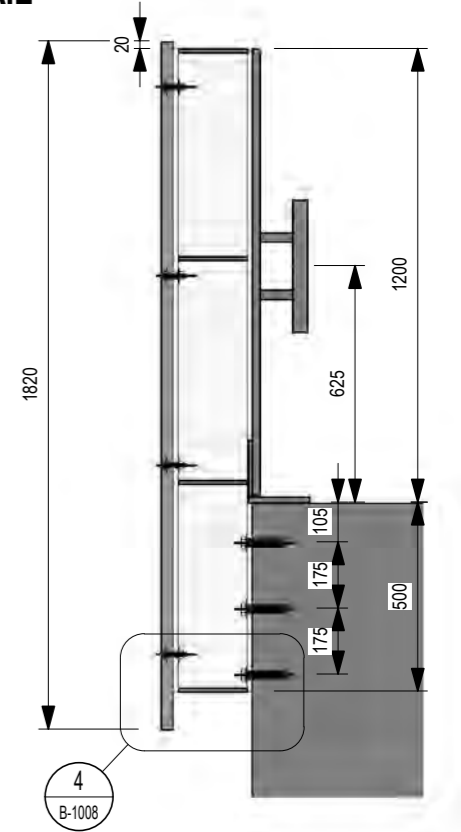
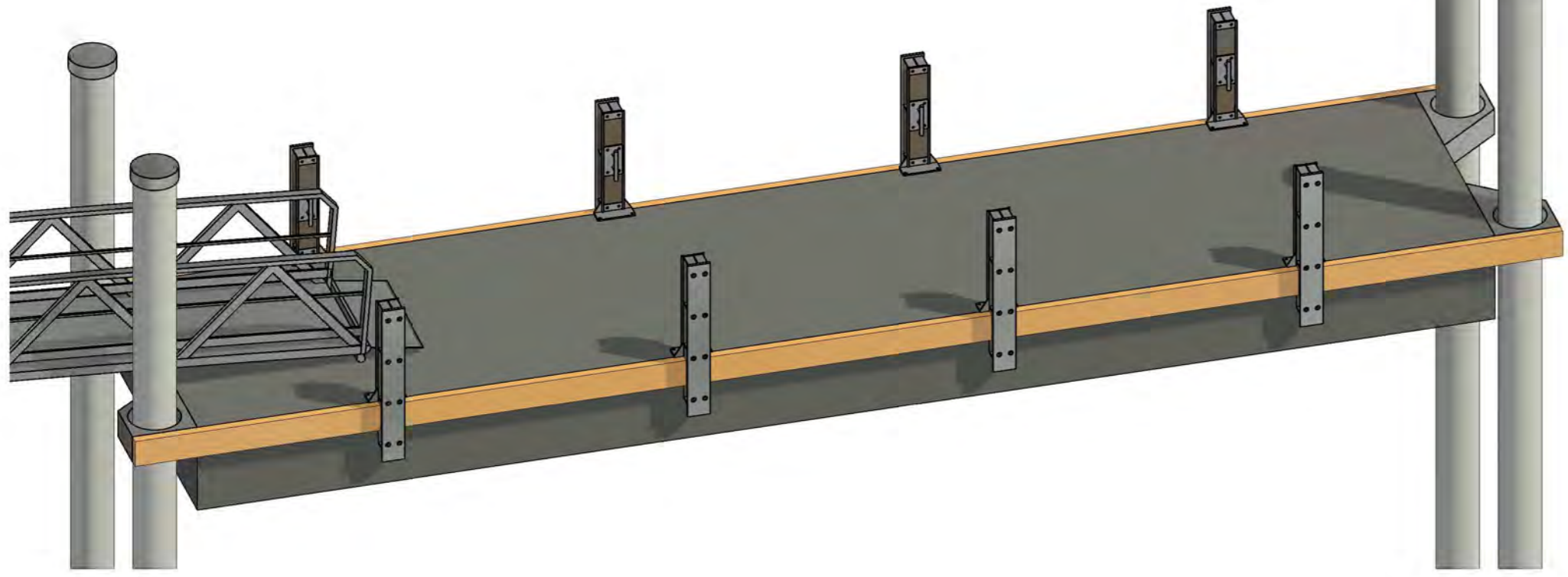


1 VERTICAL FENDER ARRANGEMENT PLAN
1 : 20

-ISOLATION WASHERS TO BE USED BETWEEN ALL STEEL AND S/S FIXINGS
-FOR FULL FIXING SETOUT, SEE SHEET B-1008



4 VERTICAL FENDER FIXING DETAIL
1 : 10



3 TYPICAL VERTICAL FENDER SECTION
1 : 20

Filename: Pld Date: 3/10/2022 9:03:06 pm



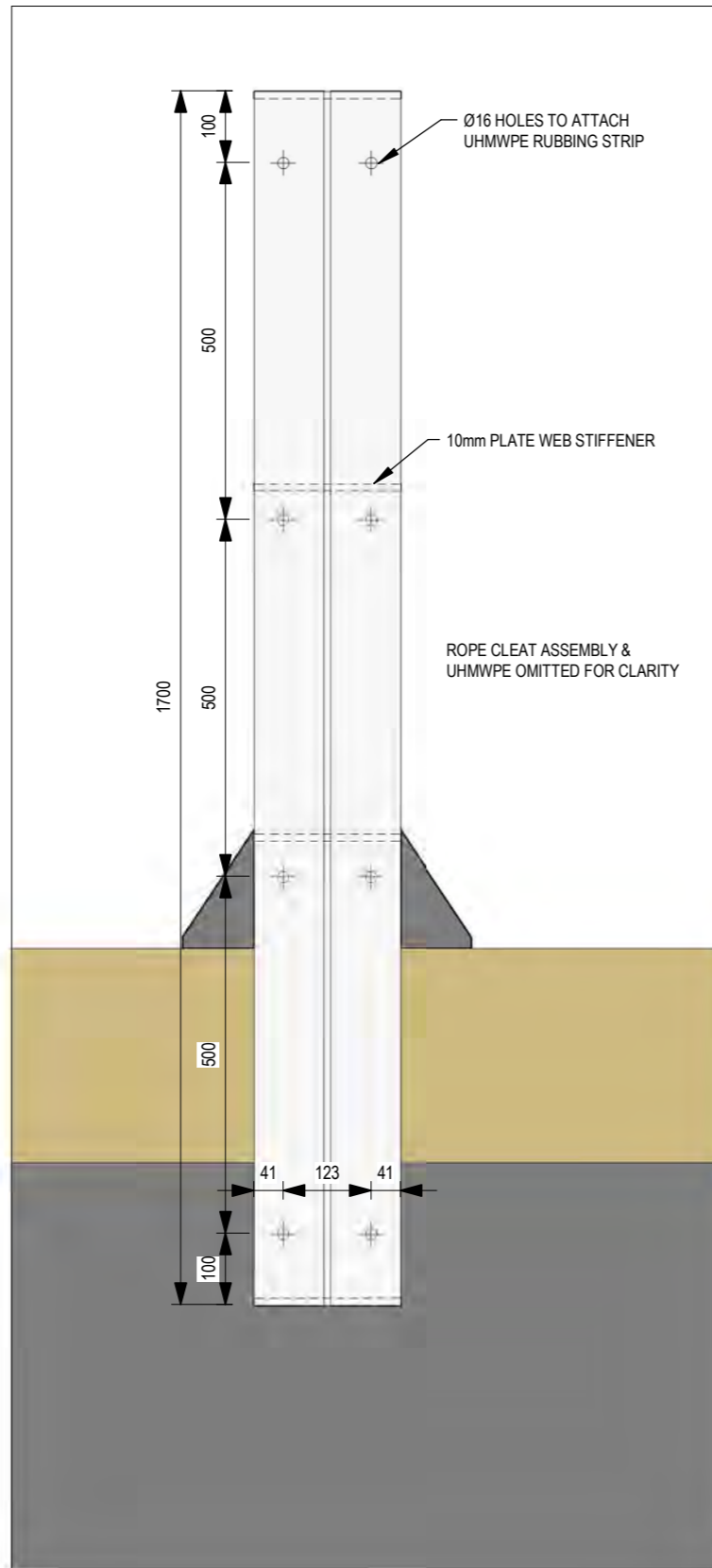
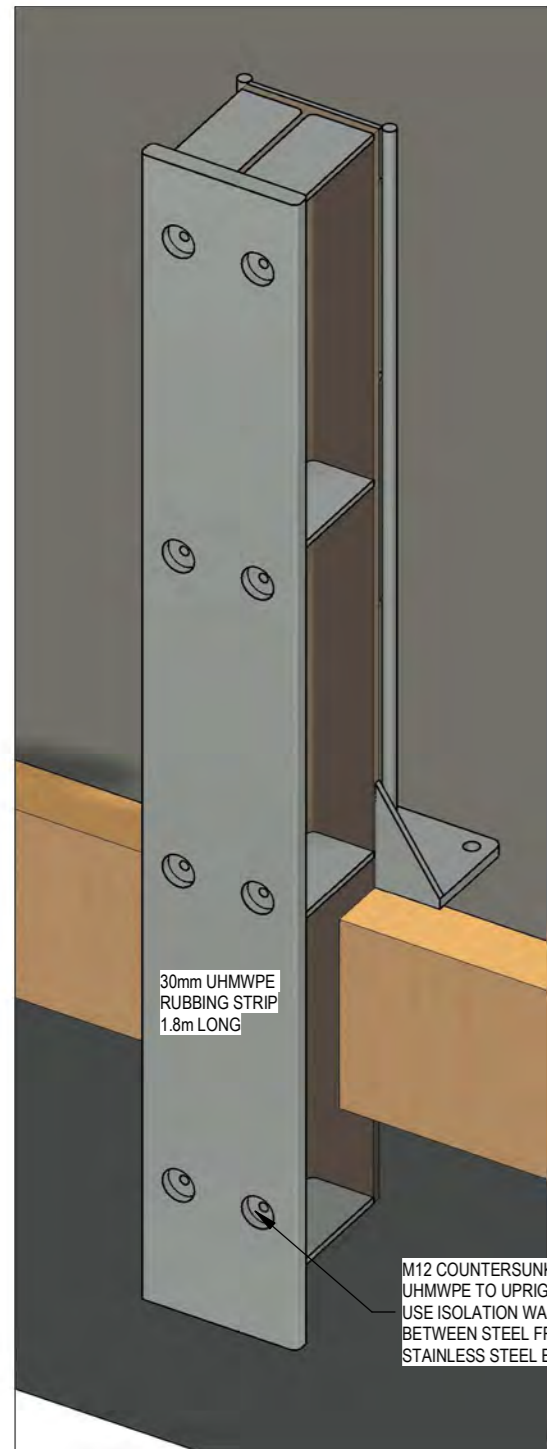
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REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

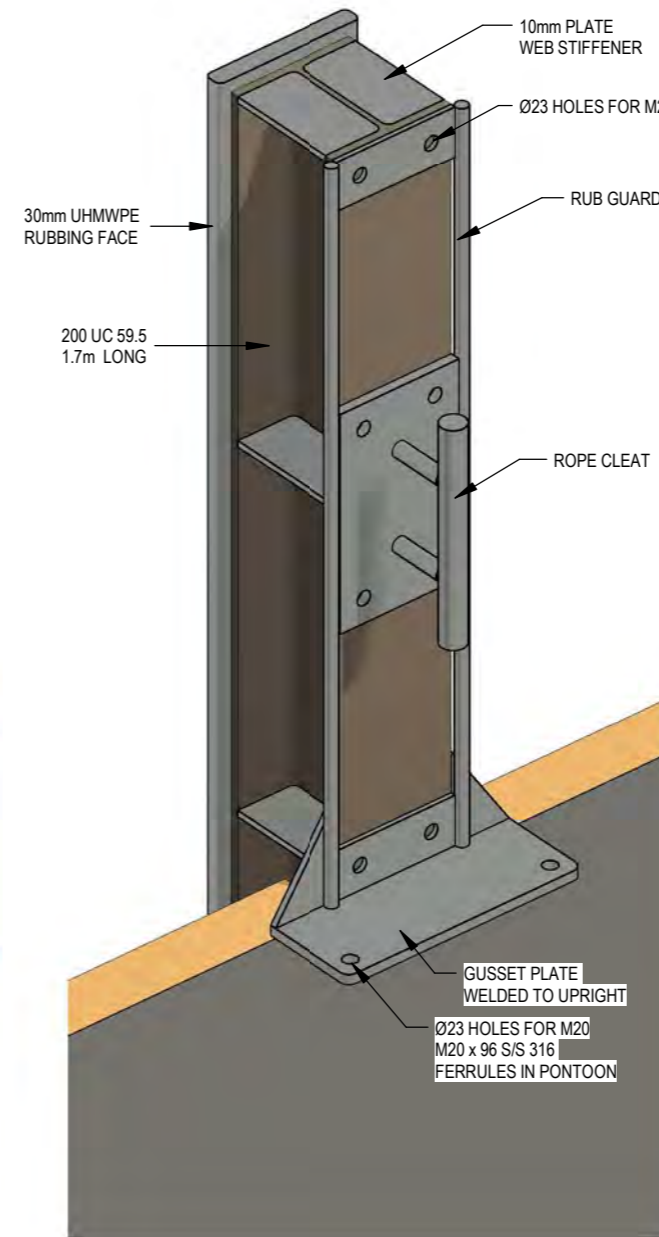
CLIENT	PROJECT
	MILL BAY JETTY & PONTOON
	SHEET DESCRIPTION
	PONTOON DETAILS

STATUS		
FOR TENDER		
DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	B-1008	0

Pldt Date: 3/10/2022 9:03:08 pm

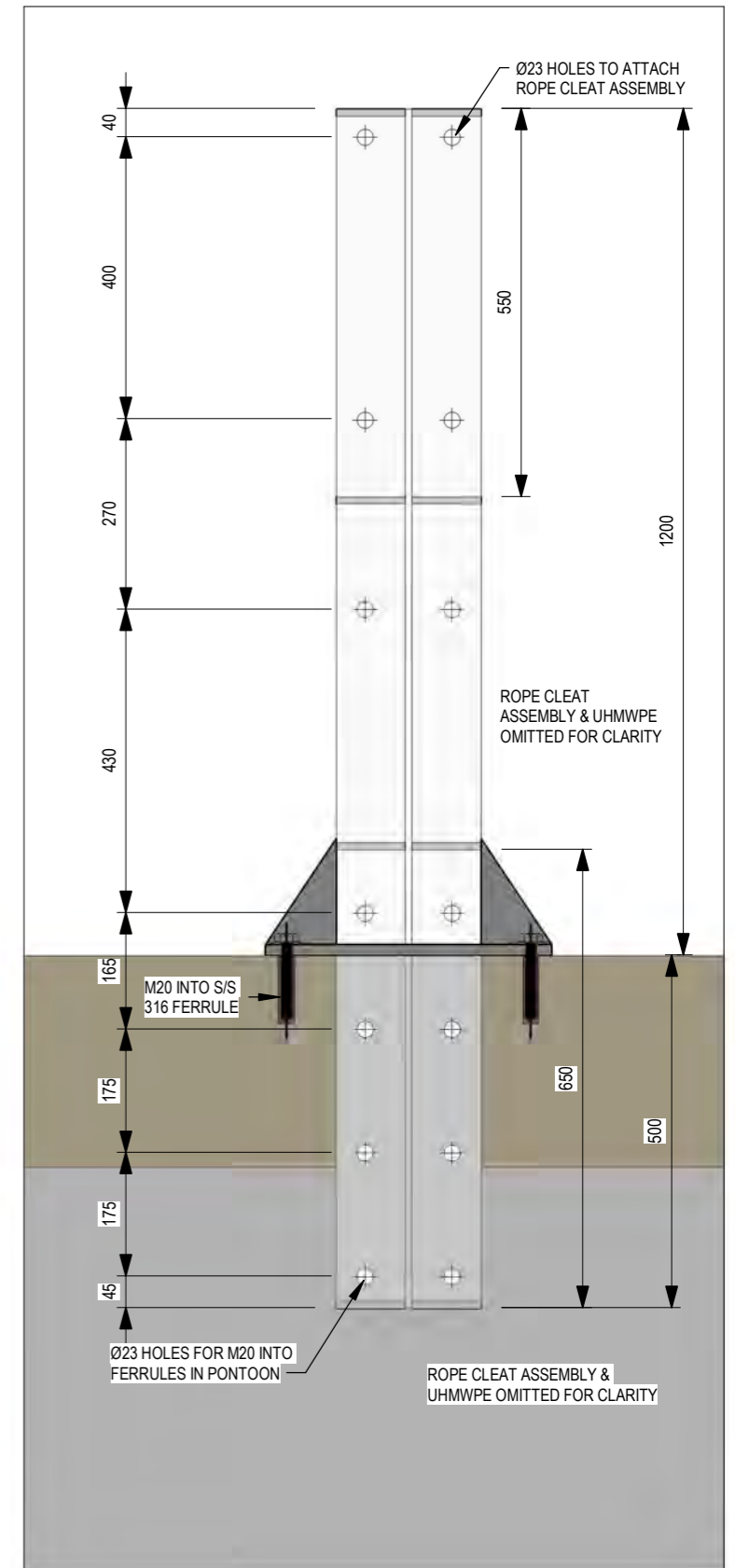


VERTICAL FENDER UHMWPE BOLT HOLES
1 : 10



NOTES:

- 8 UNITS REQUIRED
- ALL STEEL ZINC ALUMINIUM SPRAYED
- ISOLATION WASHERS TO BE USED BETWEEN STEEL FRAME AND STAINLES STEEL BOLTS

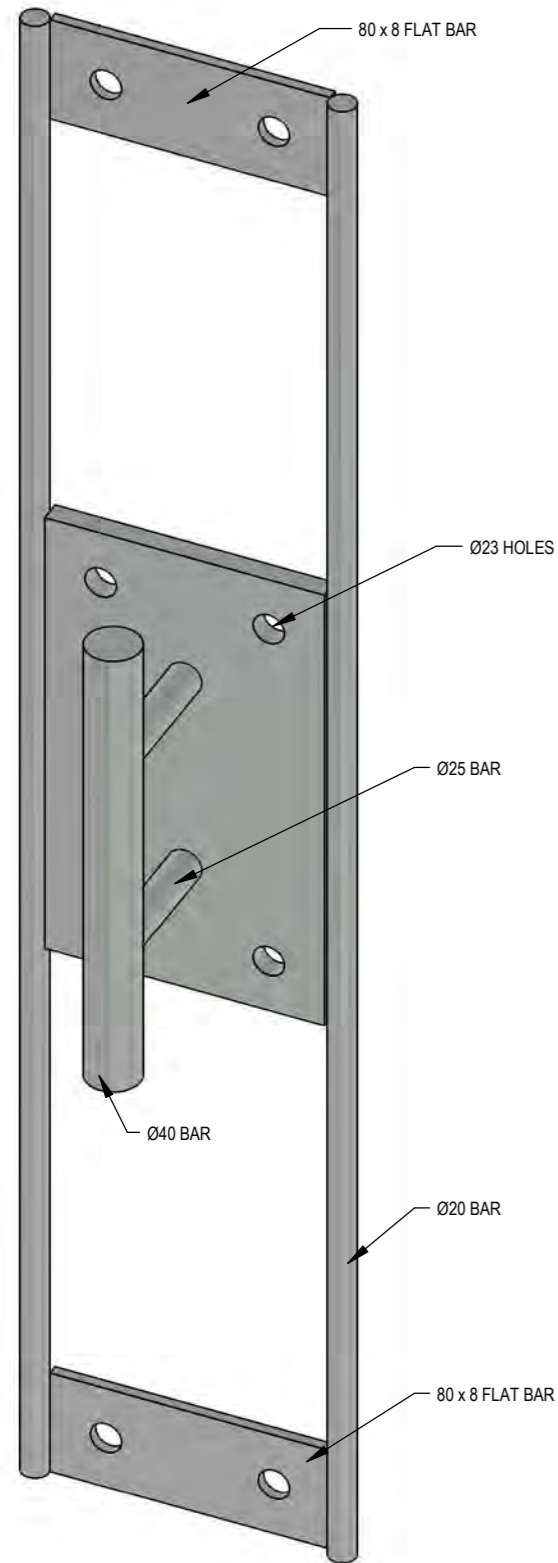


VERTICAL FENDER FIXING BOLT HOLES
1 : 10

REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

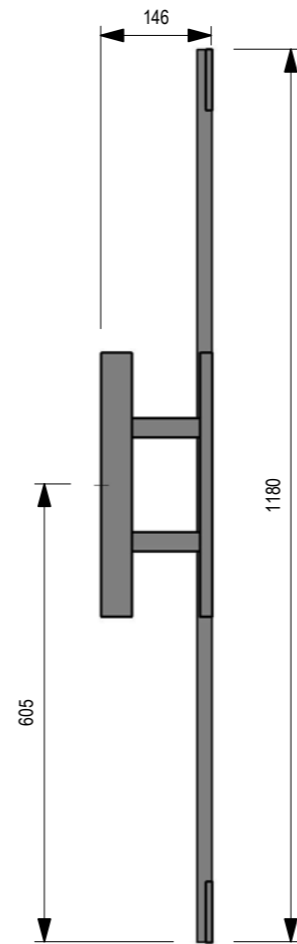
PROJECT
MILL BAY JETTY & PONTOON
SHEET DESCRIPTION
VERTICAL FENDER GENERAL ARRANGEMENT

STATUS		
FOR TENDER		
DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	B-1009	0



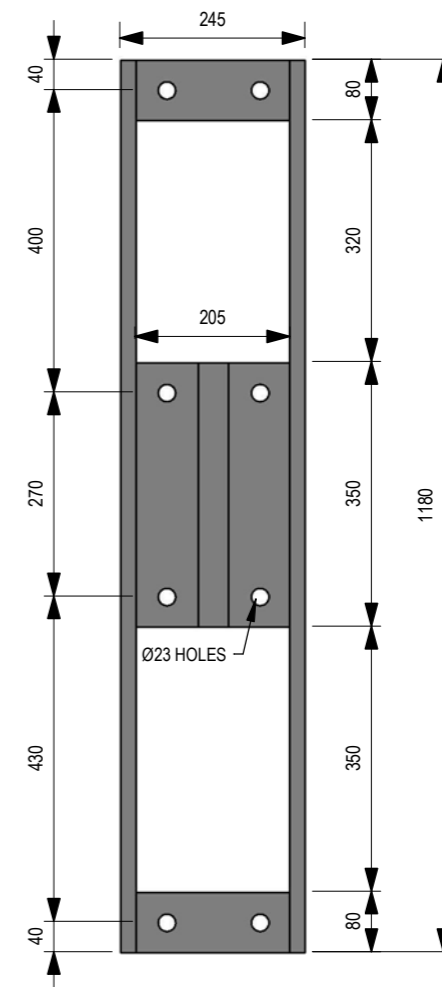
NOTES:

- 8 UNITS REQUIRED
- ALL WELDS 6mm FWAR
- ALL STEEL ZINC ALUMINIUM SPRAYED



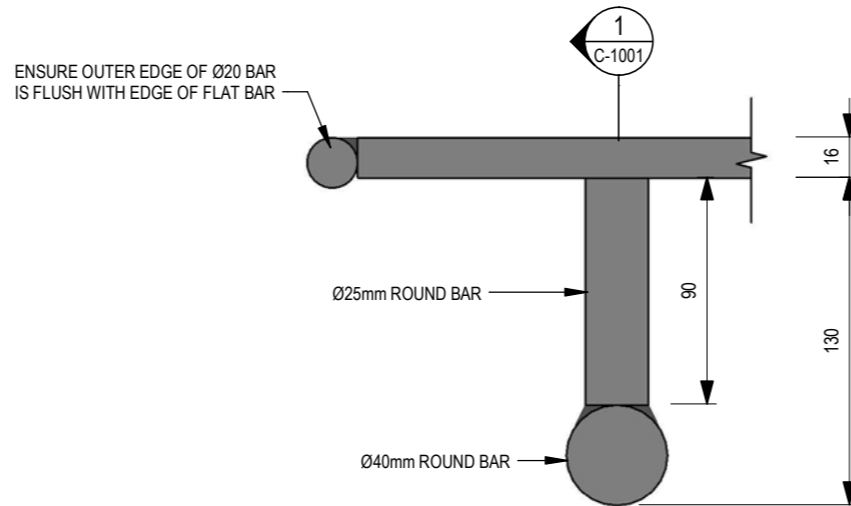
VERTICAL FENDER ROPE CLEAT SECTION

1 : 10



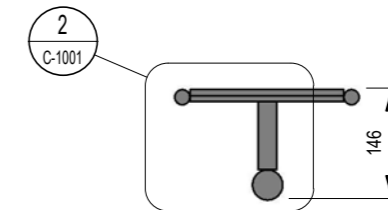
VERTICAL FENDER ROPE CLEAT ELEVATION

1 : 10



2 VERTICAL FENDER ROPE CLEAT WELD PLAN

1 : 3



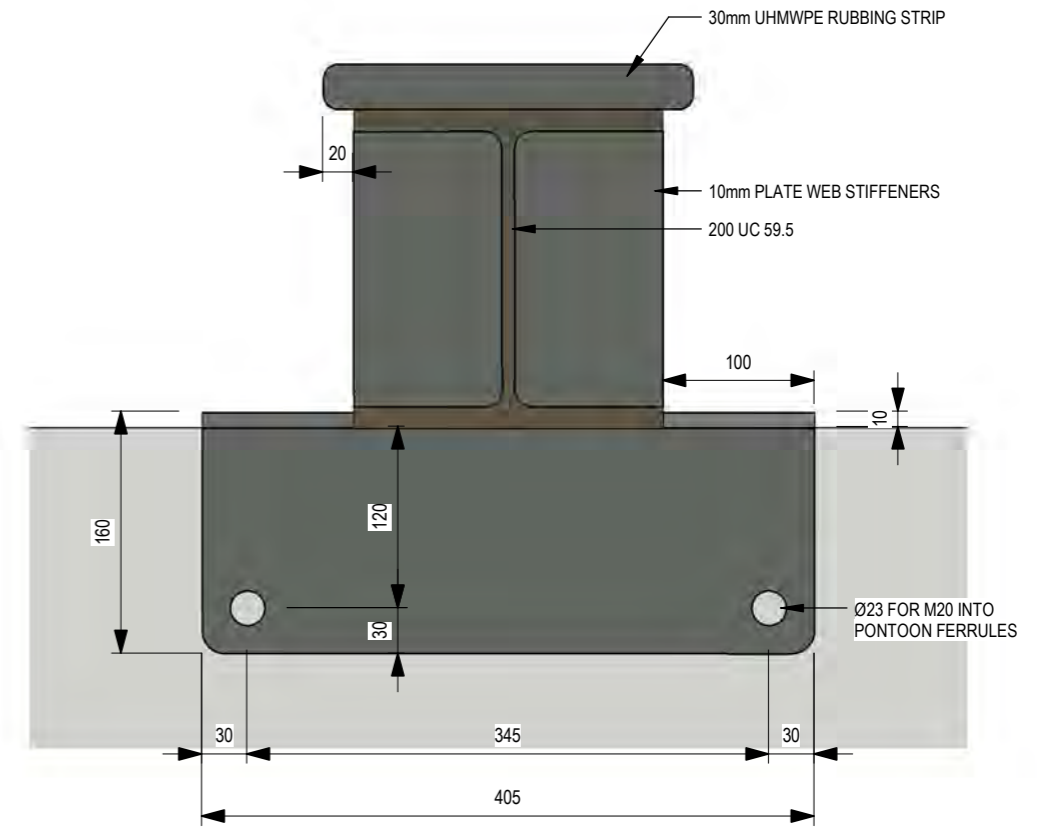
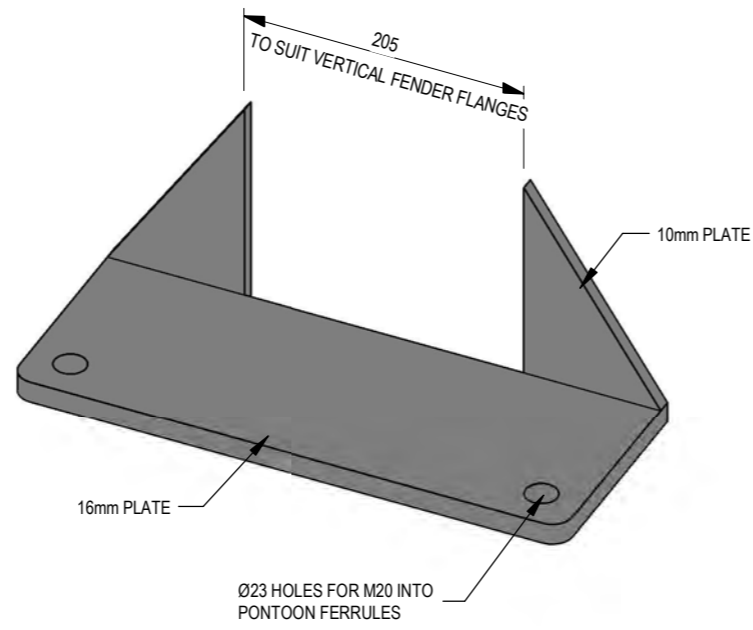
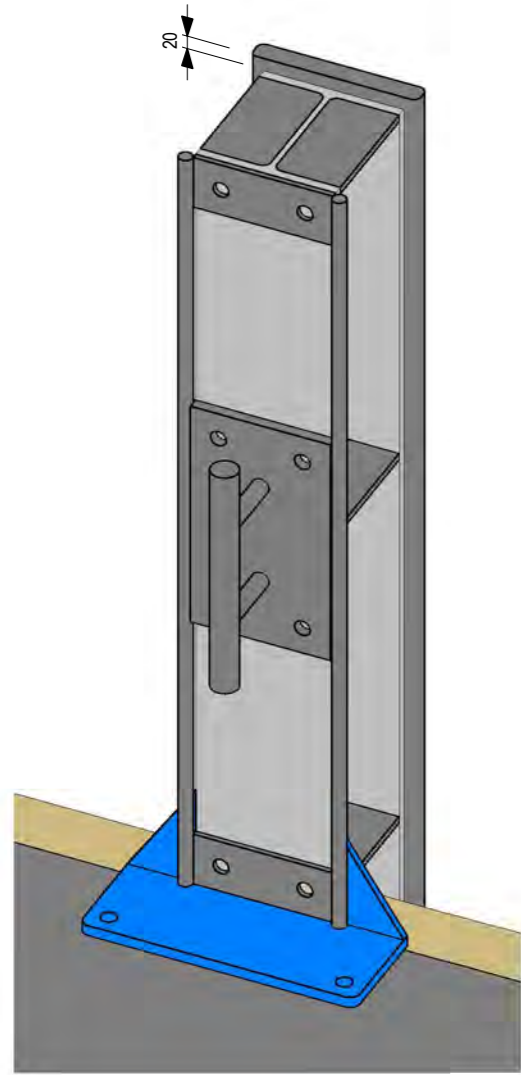
VERTICAL FENDER ROPE CLEAT PLAN

1 : 10

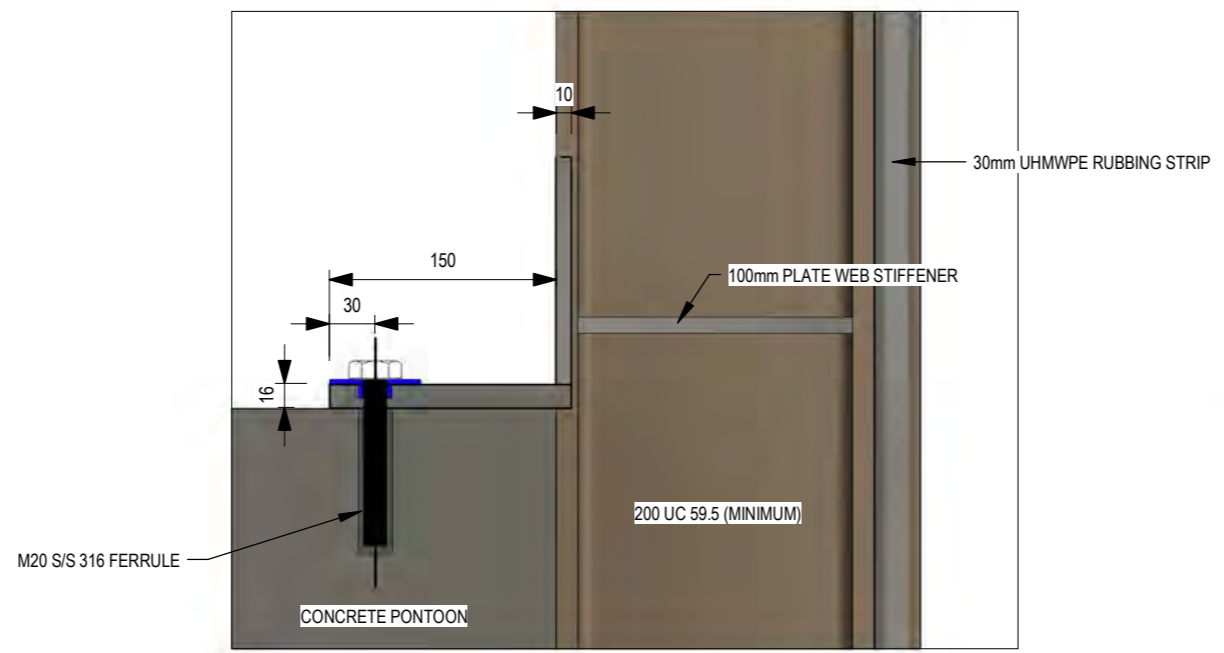
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REV	DETAILS	DATE
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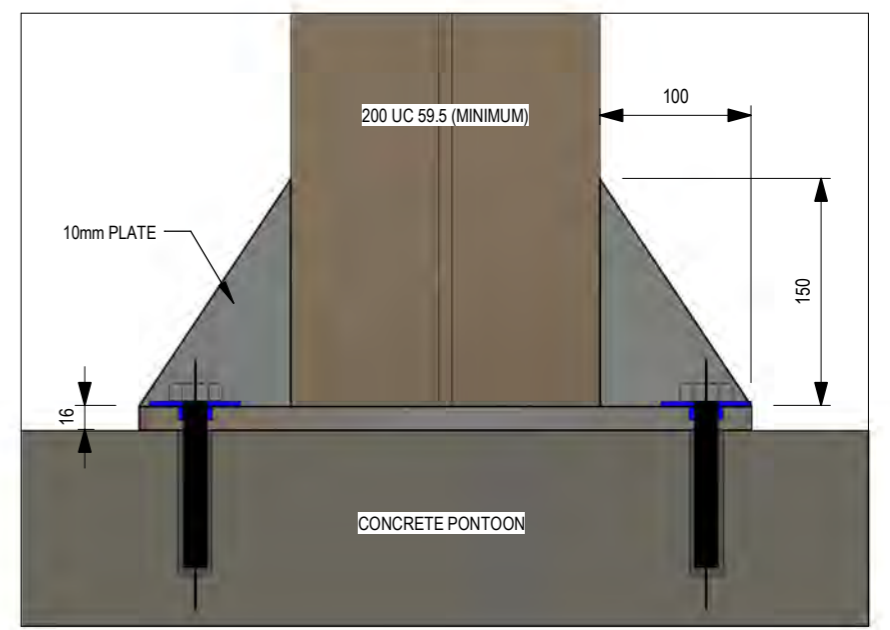
PROJECT	STATUS
MILL BAY JETTY & PONTOON	FOR TENDER
SHEET DESCRIPTION	DRAWN BY
VERTICAL FENDER ROPE CLEAT GENERAL ARRANGEMENT	MW
	APPROVED BY
	RB
	PROJECT NO.
	20-0002
	SHEET NO.
	C-1001
	SHT
	A3
	REV
	0



VERTICAL FENDER GUSSET PLAN
1 : 5



VERTICAL FENDER GUSSET SECTION
1 : 5



VERTICAL FENDER GUSSET ELEVATION
1 : 5

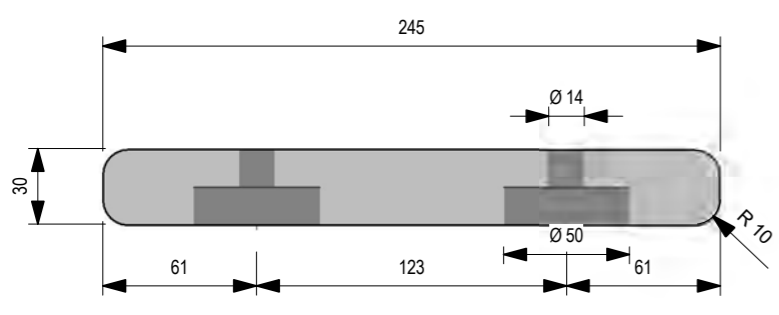
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REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

PROJECT
MILL BAY JETTY & PONTOON
SHEET DESCRIPTION
VERTICAL FENDER GUSSET GENERAL ARRANGEMENT

STATUS		
FOR TENDER		
DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	C-1002	0

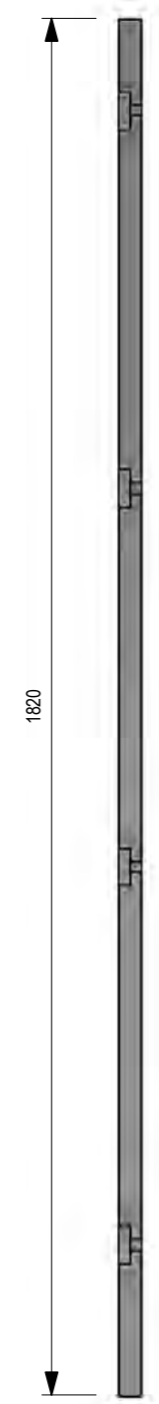
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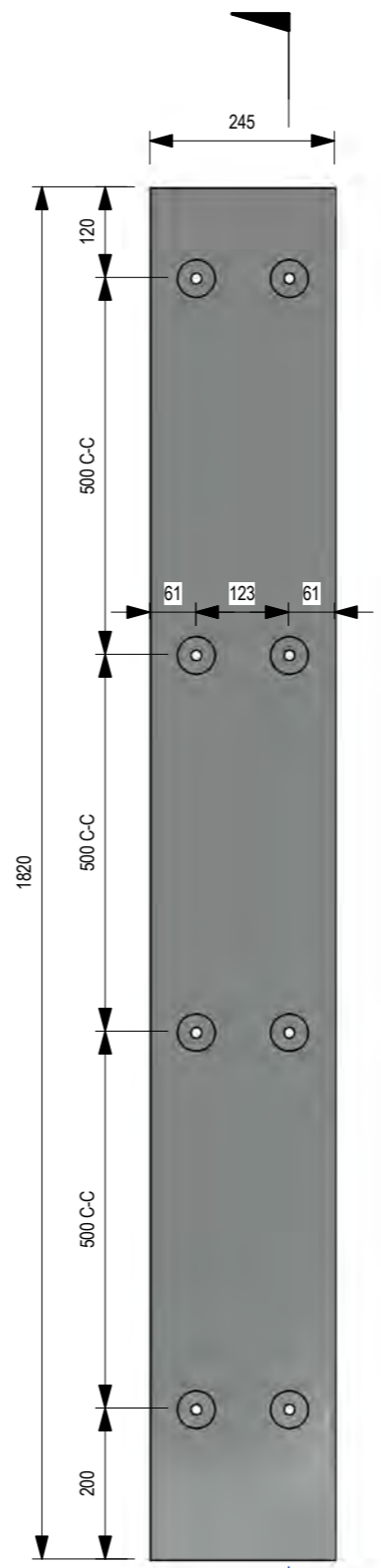
UHMWPE RUBBING STRIP PLAN
1 : 3

NOTES:

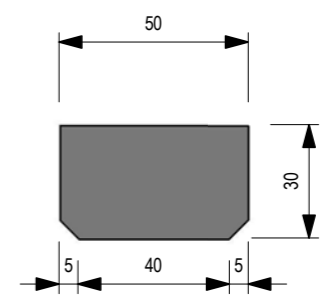
- 8 UNITS REQUIRED
- TO BE CONSTRUCTED FROM BLACK UHMWPE



UHMWPE RUBBING STRIP SECTION
1 : 10



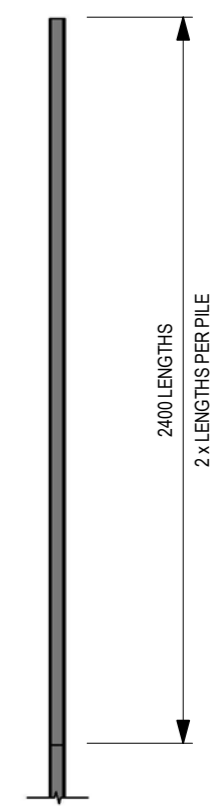
VERTICAL UHMWPE RUBBING STRIP ELEVATION
1 : 10



JETTY UHMWPE RUBBING STRIP PLAN
1 : 2

JETTY UHMWPE RUBBING STRIPS SCREWED TO OUTER JETTY PILES WITH 14G x 125mm CSK S/S SCREWS @ 300mm C-C

10 x LENGTHS REQUIRED



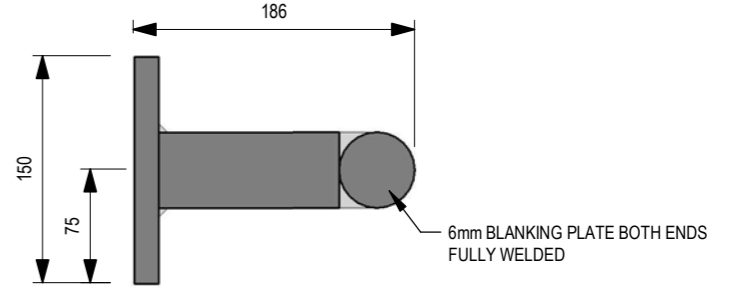
JETTY UHMWPE RUBBING STRIP ELEVATION
1 : 25

REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

PROJECT
MILL BAY JETTY & PONTOON
SHEET DESCRIPTION
UHMWPE RUBBING STRIP GENERAL ARRANGEMENT

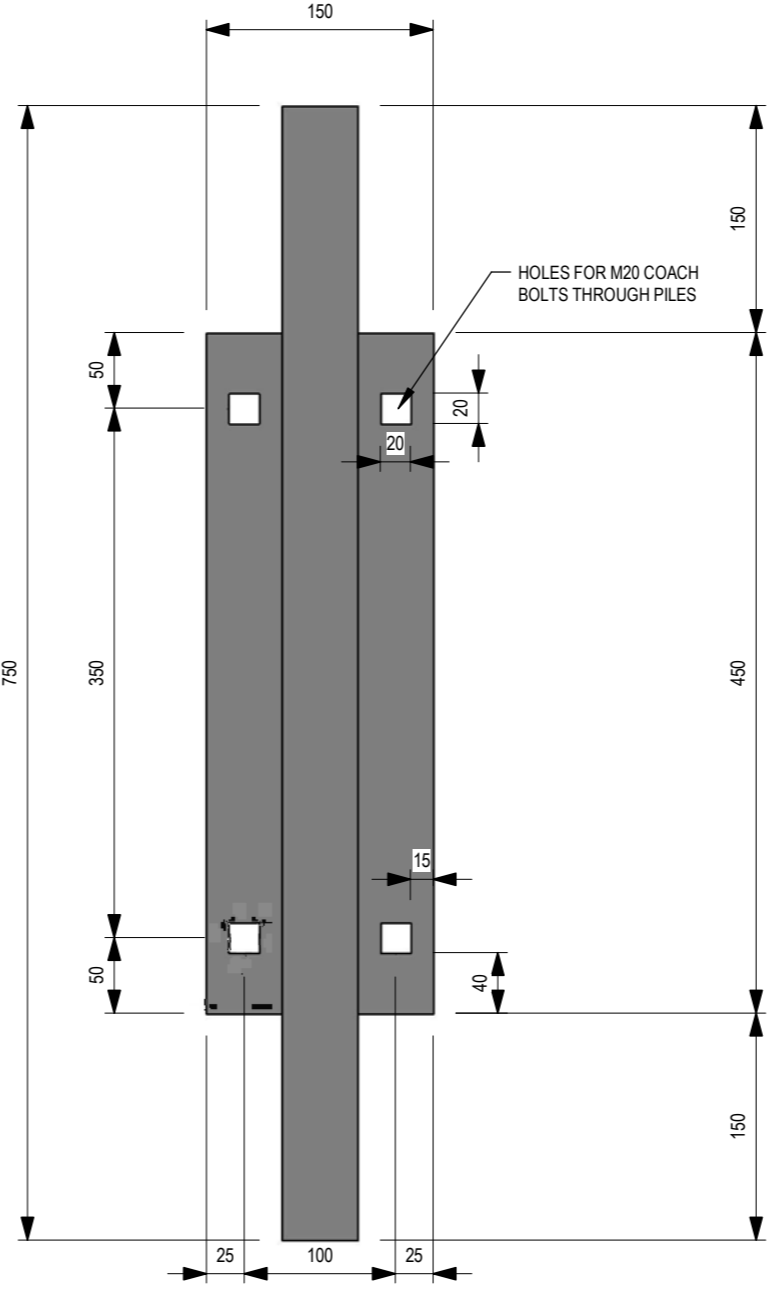
STATUS		
FOR TENDER		
DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	C-1003	0

Filename: Pldt Date: 3/10/2022 9:03:15 pm



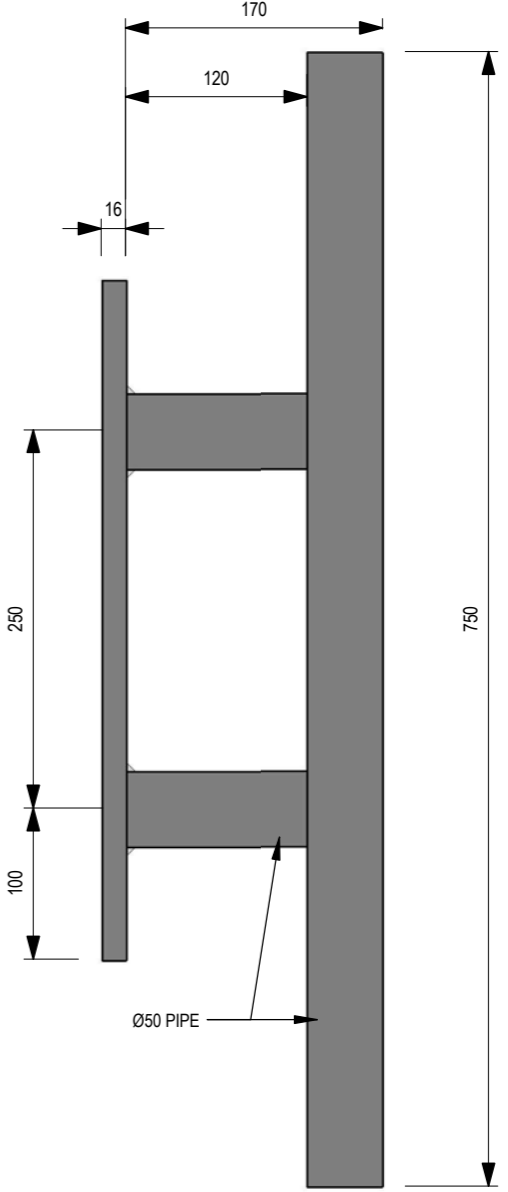
DOLPHIN FENDER CLEAT PLAN

1:5



DOLPHIN FENDER ROPE CLEAT PLAN

1:5



DOLPHIN FENDER ROPE CLEAT ELEVATION

1:5

NOTES:

- 3 x UNITS REQUIRED
- RADIUS ALL CORNERS
- 4 x M20 COACH BOLTS THROUGH PILES
- APPLY VENT HOLES AS REQUIRED FOR GALVANISING
- MINIMUM 6mm FILLET WELD
- HOT DIP GALVANISE ALL PARTS

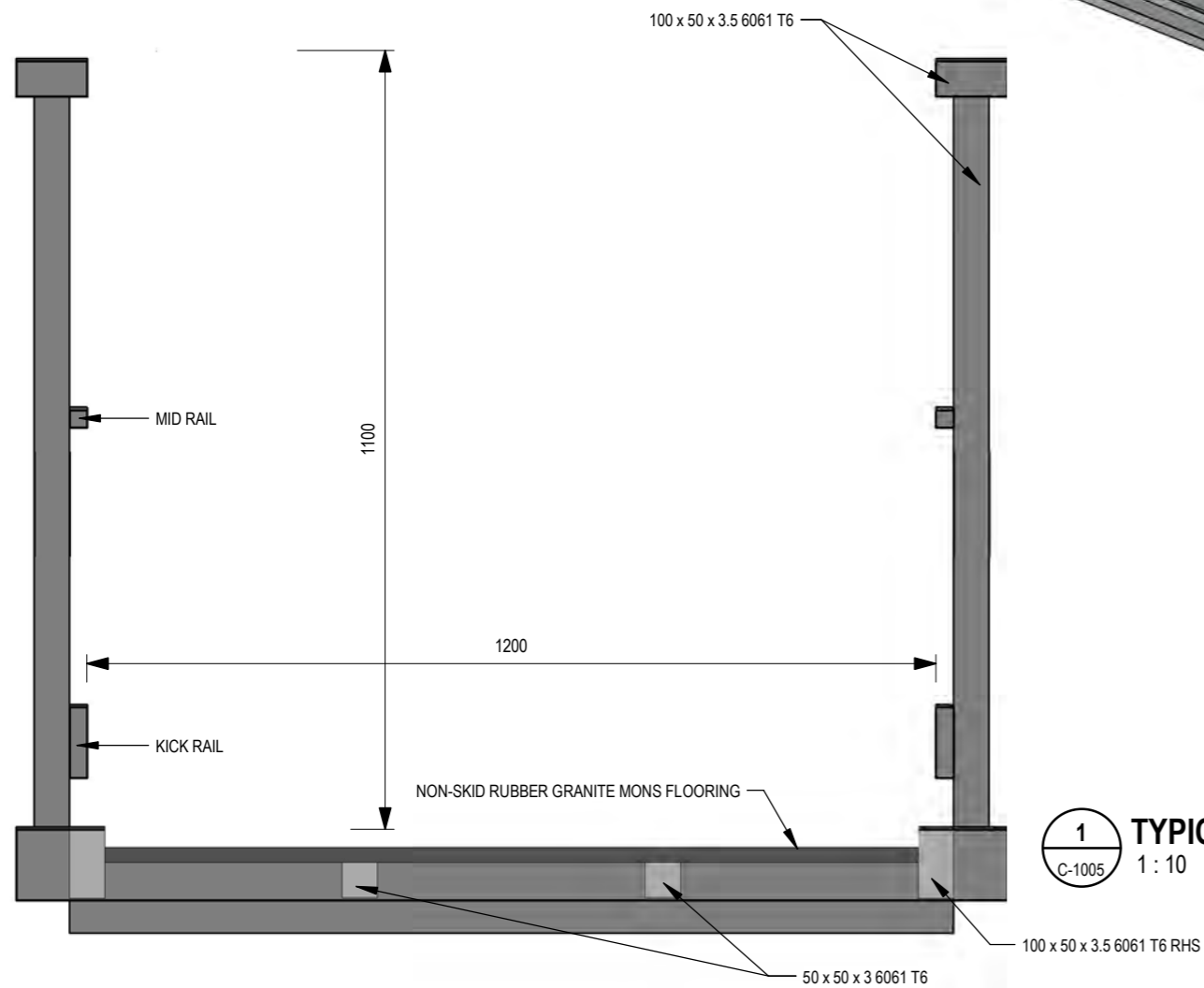
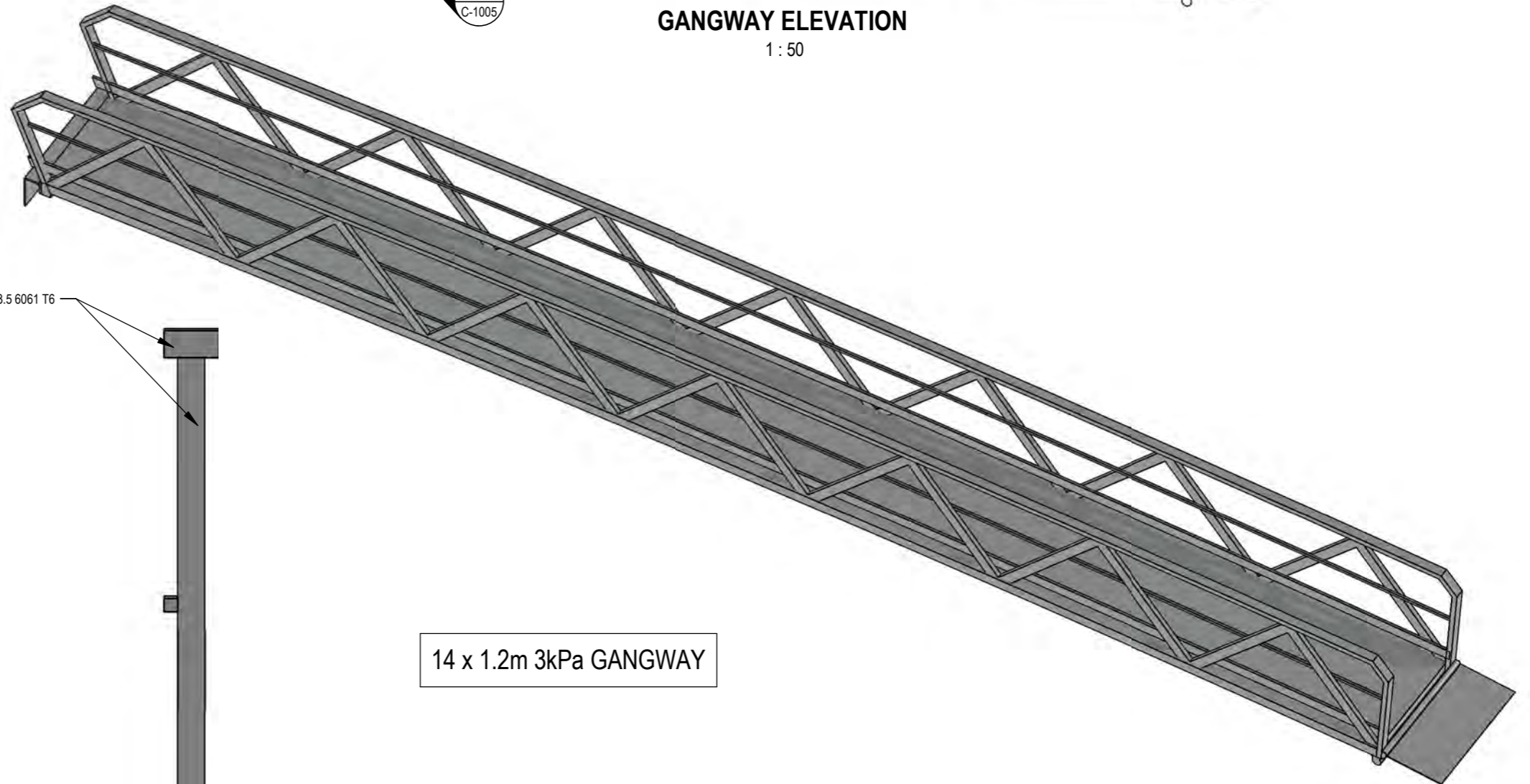
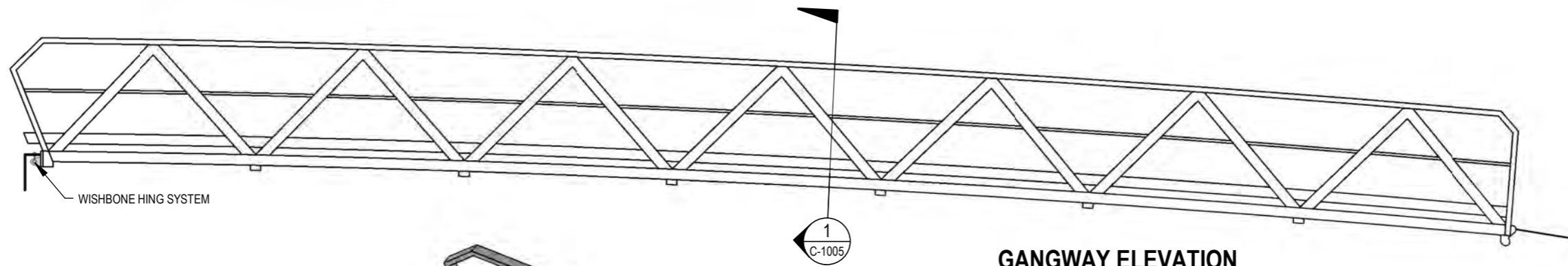


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REV	DETAILS	DATE	PROJECT	STATUS
0	ISSUED FOR TENDER	03/10/2022	MILL BAY JETTY & PONTOON	FOR TENDER
			SHEET DESCRIPTION	DRAWN BY
			DOLPHIN FENDER CLEAT GENERAL ARRANGEMENT	RB
				APPROVED BY
				SHT
				A3
				REV
				0



14 x 1.2m 3kPa GANGWAY

Filename: Pld Date: 3/10/2022 9:03:17 pm

REV	DETAILS	DATE
0	ISSUED FOR TENDER	03/10/2022

PROJECT	STATUS
MILL BAY JETTY & PONTOON	FOR TENDER
SHEET DESCRIPTION	DRAWN BY
GANGWAY TYPICAL DETAILS	MW
	APPROVED BY
	RB
	PROJECT NO.
	20-0002
	SHEET NO.
	C-1005
	REV
	0

DRAWN BY	APPROVED BY	SHT
MW	RB	A3
PROJECT NO.	SHEET NO.	REV
20-0002	C-1005	0