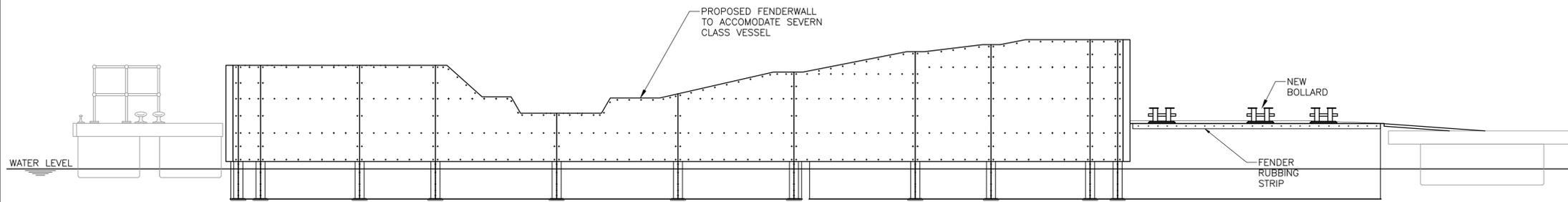


PONTON GENERAL ARRANGEMENT PLAN

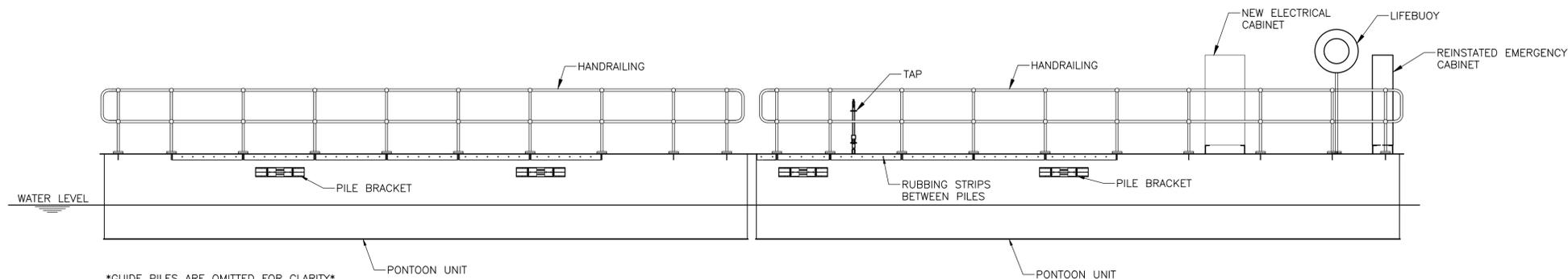
SCALE 1:50

A CLEAR BAND OF 25mm MINIMUM TO BE LEFT AROUND ALL EDGES, HATCHES, BOLLARDS AND OTHER DECK FITTINGS



PONTON ELEVATION 1

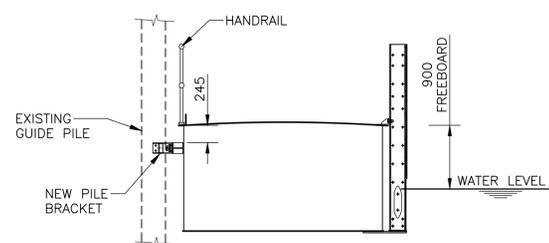
SCALE 1:50



GUIDE PILES ARE OMITTED FOR CLARITY

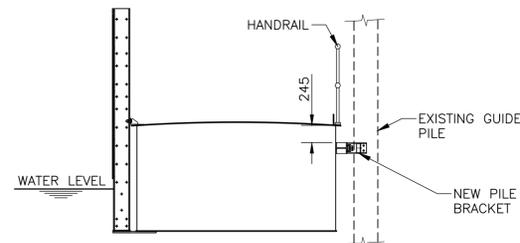
PONTON ELEVATION 2

SCALE 1:50



PONTON ELEVATION 3

SCALE 1:50



PONTON ELEVATION 4

SCALE 1:50

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
2. ALL STEELWORK TO BE GRADE S275JO.
3. ALL BOLTS TO BE GRADE 8.8 GALVANISED.
4. ALL STEELWORK TO BE HOT DIPPED GALVANISED TO 140 MICRONS AS PER SPECIFICATION.
5. ALUMINIUM PLATES TO BE MARINE GRADE.
6. ALL WELDING TO BE 6mm FILLET WELD U.N.O.
7. FOR ARRANGEMENT OF FENDER FRAMES REFER TO DRAWINGS 2236-WS-XX-XX-D-C-3001.

REV	DATE	DETAILS	DRAWN	CHK'D	APP'D

AMENDMENTS

CLIENT



PROJECT
ABERDEEN LIFEBOAT STATION
PONTON REPLACEMENT

Wallace Stone
Consulting Civil Engineers

GLASGOW 0141 554 8233 glasgow@wallacestone.co.uk
DINGWALL 01349 866775 dingwall@wallacestone.co.uk

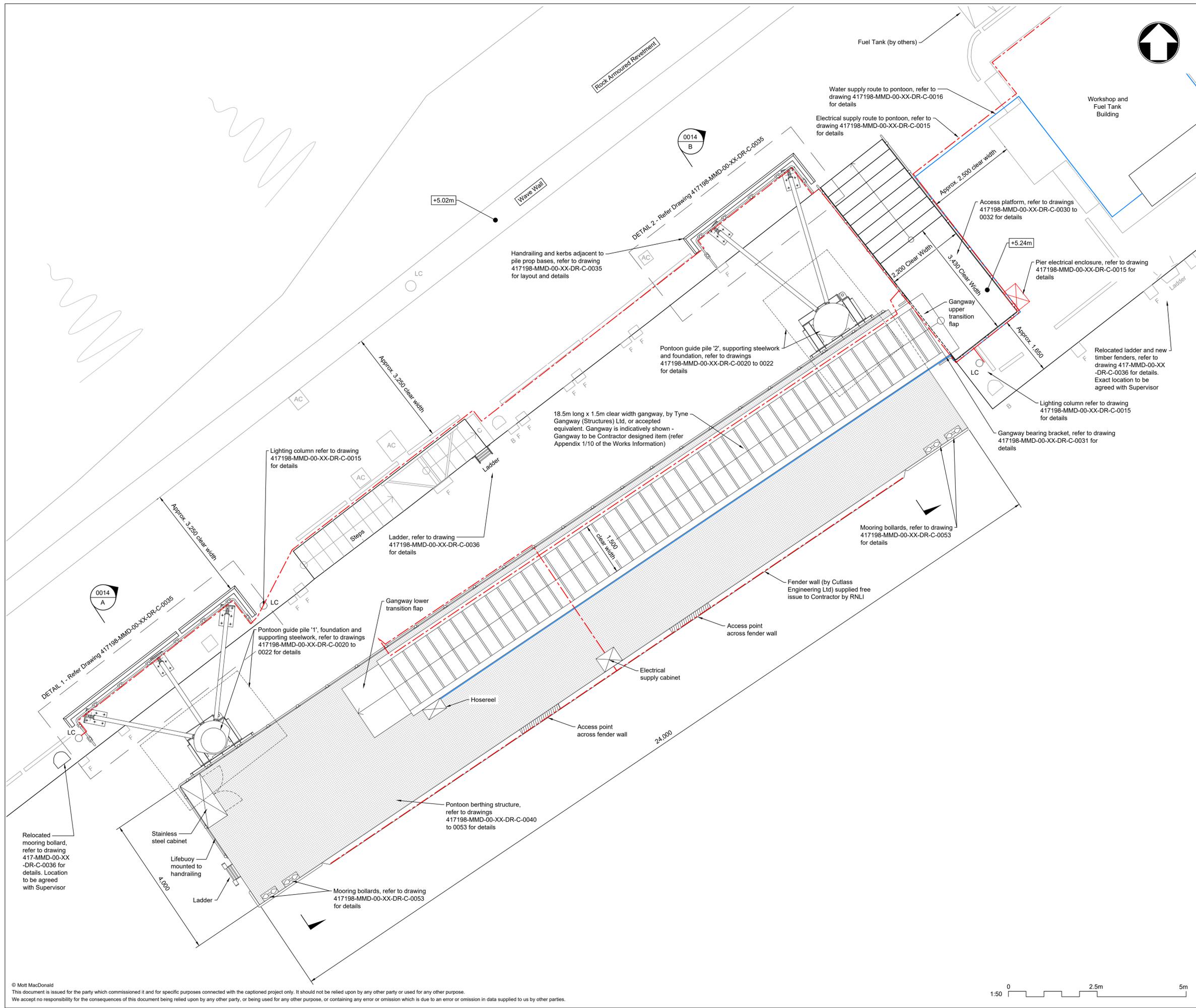
HEBRIDES 01851 600220 hebrides@wallacestone.co.uk

DRAWING TITLE

PONTON
GENERAL ARRANGEMENT

DRAWN	CHECKED	APPROVED
AB	GB	GB
DATE	DATE	DATE
JULY 22	JUL 22	JUL 22
SCALE (A1)	STAGE	REV
AS SHOWN	PRELIMINARY	P01

DRAWING No.
2236-WS-XX-XX-D-C-2001



- Notes**
- This drawing shall be read in conjunction with all parts of the Works Information.
 - Works shall be executed in accordance with the Specification and as set out in the Works Information.
 - The Project Manager shall be notified immediately of any discrepancies encountered during execution.
 - All dimensions are in millimetres (mm) unless noted otherwise.
 - Levels are in metres relative to Chart Datum (CD) unless otherwise noted.
 - The drawing shall not be scaled. FOLLOW WRITTEN DIMENSIONS ONLY.
 - Details of existing structures and services have been taken from available record drawings and may not be complete in every detail. Details to be confirmed by the Contractor.
 - Dimensions marked with an asterisk (*) shall be confirmed on site by the Contractor.
 - Refer to the Site Information for tidal conditions and levels anticipated at Aith. The Contractor shall be responsible for determining the tidal conditions affecting the works and planning their works accordingly. Actual water levels can vary substantially due to meteorological conditions and other effects.
 - Access for Lifeboat operations shall be maintained at all times. Lifeboat operations shall not be disrupted by the Contractor.
 - The Contractor shall be responsible for maintaining the seabed free of debris and obstructions within the working areas.
 - The Contractor shall ensure the temporary and permanent stability of all parts of the works at all times.
 - Refer to 417198-MMD-00-XX-DR-C-0020 Series for Pontoon Guide Pile drawings.
 - Refer to 417198-MMD-00-XX-DR-C-0030 Series for Access Platform & Miscellaneous Civil Works drawings.
 - Refer to 417198-MMD-00-XX-DR-C-0040 Series for Pontoon Steelwork drawings.

Key to symbols

	Pontoon deck area
	Access points across fender wall to Lifeboat
	Outline of pile guide foundation (submerged)
LC	Lighting column
F	Fender
B	Mooring Bollard
AC	Access cover
C	Timber cope
L	Ladder

- Reference drawings**
- 417198-MMD-00-XX-DR-C-0000 Series - Site Location Drawings
- 417198-MMD-00-XX-DR-C-0010 - General Arrangement
 417198-MMD-00-XX-DR-C-0011 - Downtakings / Demolition
 417198-MMD-00-XX-DR-C-0012 - Pontoon Berth, Gangway and Guide Piles - GA
 417198-MMD-00-XX-DR-C-0013 - Elevation at Extreme High & Low Water
 417198-MMD-00-XX-DR-C-0014 - Sections at Extreme High & Low Water
 417198-MMD-00-XX-DR-C-0015 - Pontoon Electrical Supply and Lighting
 417198-MMD-00-XX-DR-C-0016 - Pontoon Water Supply
 417198-MMD-00-XX-DR-C-0017 - Setting Out
- 417198-MMD-00-XX-DR-C-0020 Series - Guide Piles
 417198-MMD-00-XX-DR-C-0030 Series - Access Platform & Misc. Civil Works
 417198-MMD-00-XX-DR-C-0040 Series - Pontoon Steelwork and Details

Rev	Date	Drawn	Description	Ch'k'd	App'd
A	27/08/2021	EW	For Construction	JM	MR

MOTT MACDONALD

Greenhead
 Lerwick
 Shetland
 ZE1 0PY
 T +44 (0)1595 695049
 F +44 (0)1595 693404
 W mottmac.com

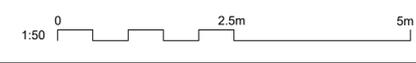
Client

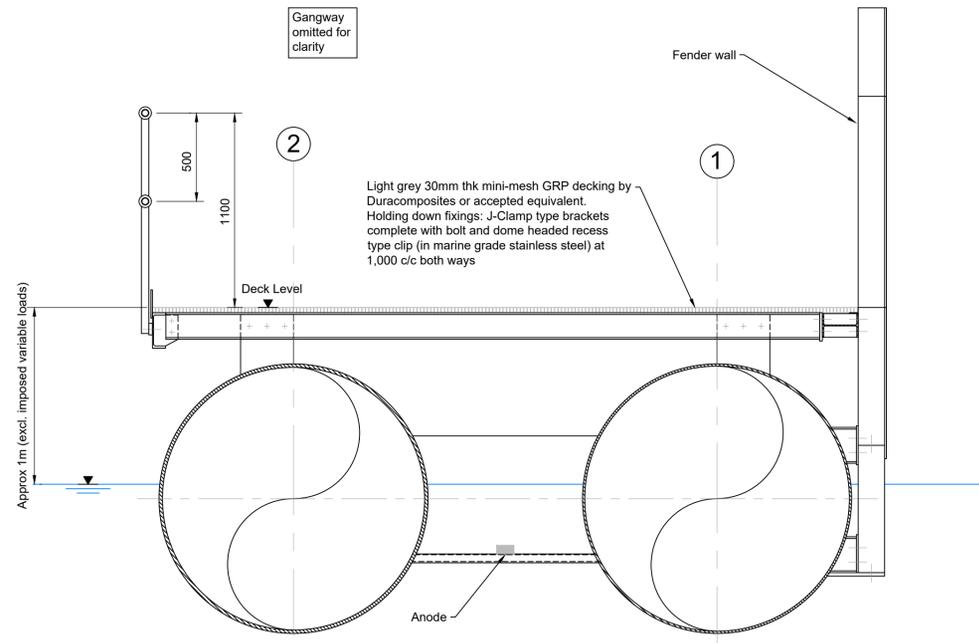
RNLI
 Estates Office
 West Quay Road
 Poole, Dorset
 BH15 1HZ

Title

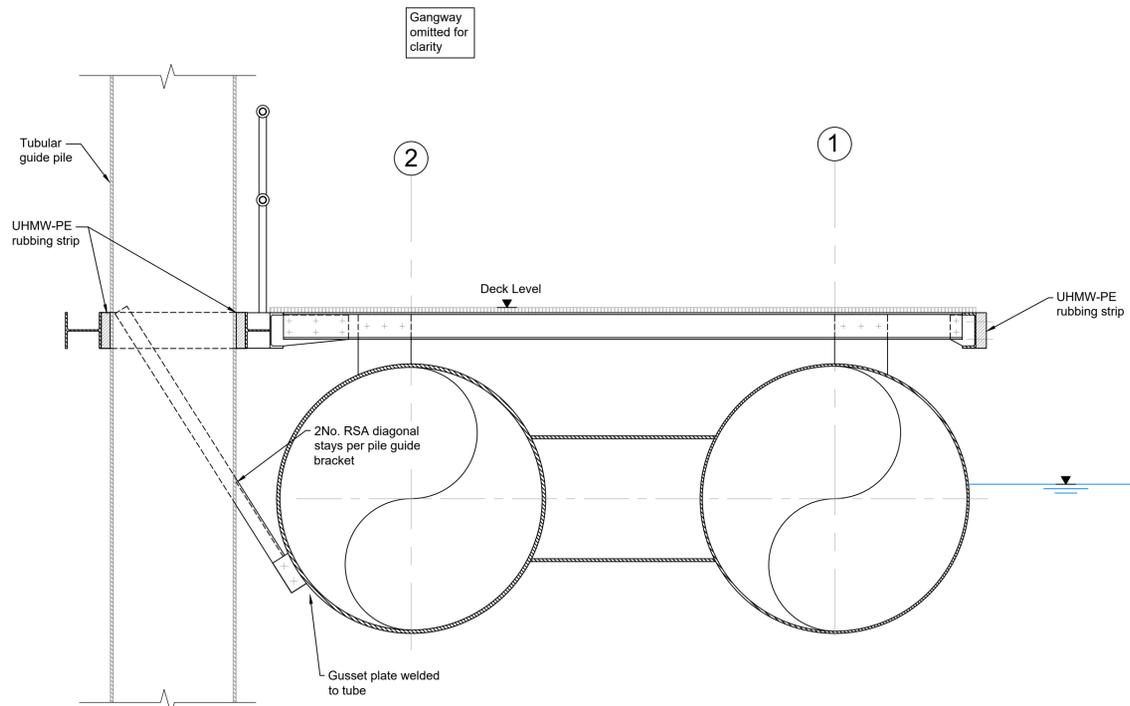
RNLI Aith Lifeboat Station
 Pontoon Berthing Structure
 Pontoon Berth, Gangway & Guide Piles
 General Arrangement

Designed	D Brunner	DB	Eng check	J Moncrieff	JM
Drawn	E Wishart	EW	Coordination	J Moncrieff	JM
Dwg check	D Brunner	DB	Approved	M Ross	MR
Scale at A1	1:50	Status	CON	Rev	A
				Security	STD
Drawing Number 417198-MMD-00-XX-DR-C-0012					

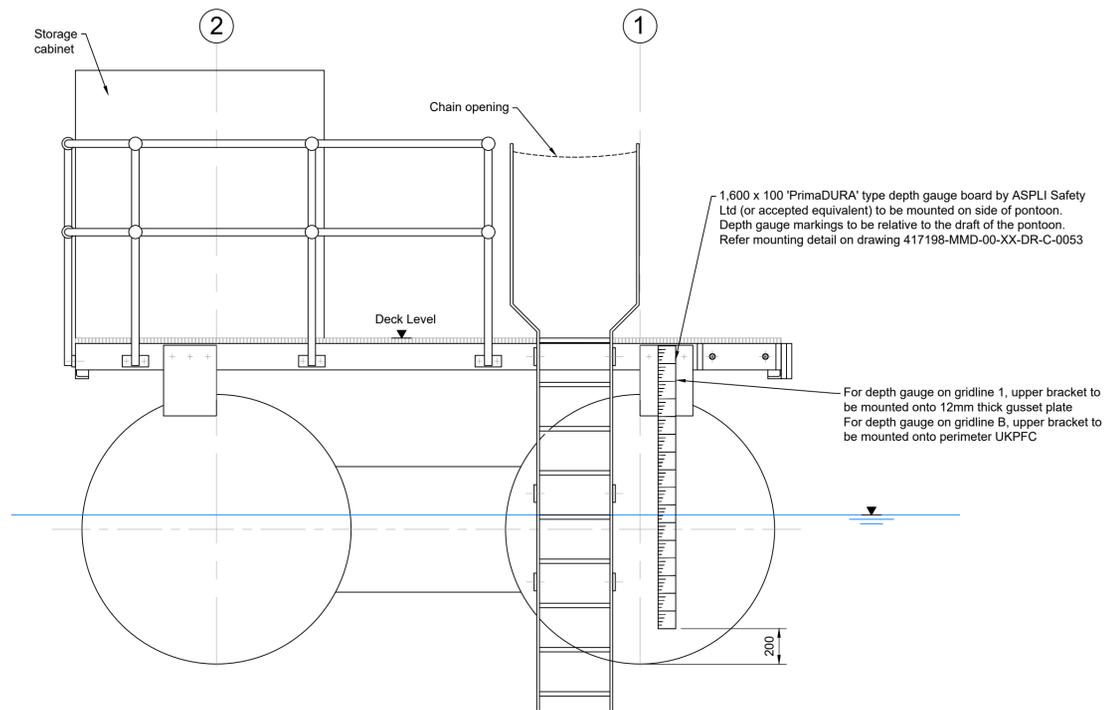




Section A-A
Scale 1:20



Section on Gridline D-D
Scale 1:20



Elevation B-B
Scale 1:20

- Notes
- All dimensions are in millimetres (mm) unless noted otherwise.
 - For standard notes refer to drawing 417198-MMD-00-XX-DR-C-0040.

Key to symbols

	Anodes (Contractor design - indicative arrangement shown)
	GRP decking
	UHMW-PE rubbing strip
	Grid line
	Still water level

- Reference drawings
- 417198-MMD-00-XX-DR-C-0000 Series - Site Location Drawings
 - 417198-MMD-00-XX-DR-C-0010 Series - General Arrangement Drawings
 - 417198-MMD-00-XX-DR-C-0020 Series - Pontoon Guide Pile Drawings
 - 417198-MMD-00-XX-DR-C-0030 Series - Access Platform & Misc. Civil Works
 - 417198-MMD-00-XX-DR-C-0040 - Pontoon GA - Gridlines & Setting Out
 - 417198-MMD-00-XX-DR-C-0041 - Pontoon GA - Deck Level
 - 417198-MMD-00-XX-DR-C-0042 - Pontoon GA - Deck Support Steelwork Level
 - 417198-MMD-00-XX-DR-C-0043 - Pontoon GA - Pontoon Tube Level
 - 417198-MMD-00-XX-DR-C-0044 - Elevation on Berthing Face
 - 417198-MMD-00-XX-DR-C-0045 - Pontoon Long Section
 - 417198-MMD-00-XX-DR-C-0046 - Pontoon Cross Sections
 - 417198-MMD-00-XX-DR-C-0047 - Pile Guide Bracket - GA & Details (Sht 1 of 2)
 - 417198-MMD-00-XX-DR-C-0048 - Pile Guide Bracket - GA & Details (Sht 2 of 2)
 - 417198-MMD-00-XX-DR-C-0049 - Deck Level - Details & Connections
 - 417198-MMD-00-XX-DR-C-0050 - Deck Support Steelwork - Details & Connections
 - 417198-MMD-00-XX-DR-C-0051 - Pontoon Tubes Details & Connections (Sht 1 of 2)
 - 417198-MMD-00-XX-DR-C-0052 - Pontoon Tubes Details & Connections (Sht 2 of 2)
 - 417198-MMD-00-XX-DR-C-0053 - Marine Furniture Details
 - 417198-MMD-00-XX-DR-C-0054 - Ballast Requirements

Rev	Date	Drawn	Description	Ch'k'd	App'd
A	27/08/2021	EW	For Construction	JM	MR

MOTT MACDONALD

Greenhead
Lerwick
Shetland
ZE1 0PY
T +44 (0)1595 695049
F +44 (0)1595 693404
W mottmac.com

Client

RNLI
Estates Office
West Quay Road
Poole, Dorset
BH15 1HZ

Lifeboats

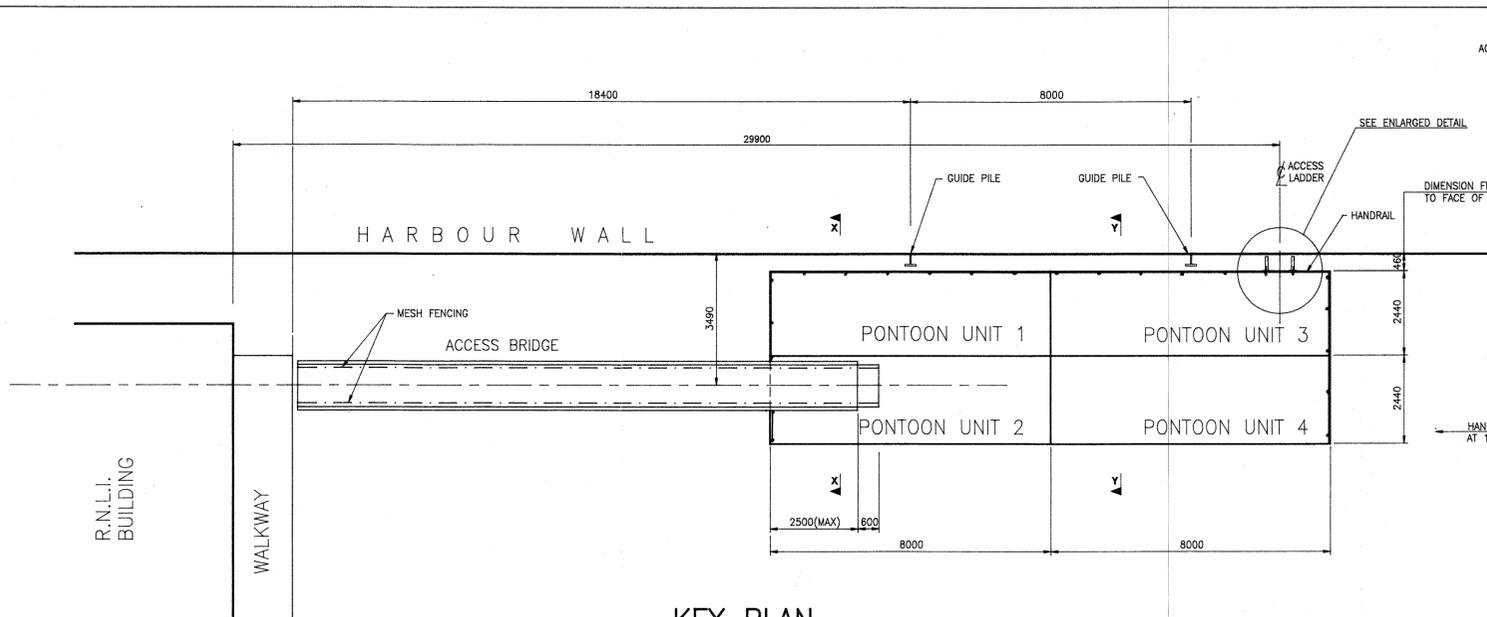
Title

**RNLI Aith Lifeboat Station
Pontoon Berthing Structure
Pontoon Cross Sections**

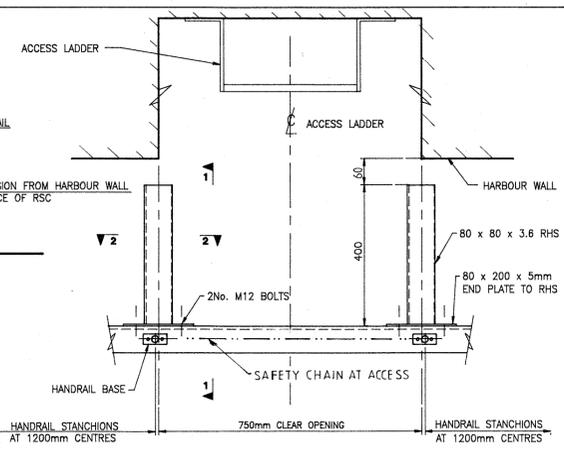
Designed	D Brunner	DB	Eng check	S Hillier	SH
Drawn	E Wishart	EW	Coordination	J Moncreiff	JM
Dwg check	J Moncreiff	JM	Approved	M Ross	MR
Scale at A1	1:20	Status	CON	Rev	A
				Security	STD

Drawing Number
417198-MMD-00-XX-DR-C-0046



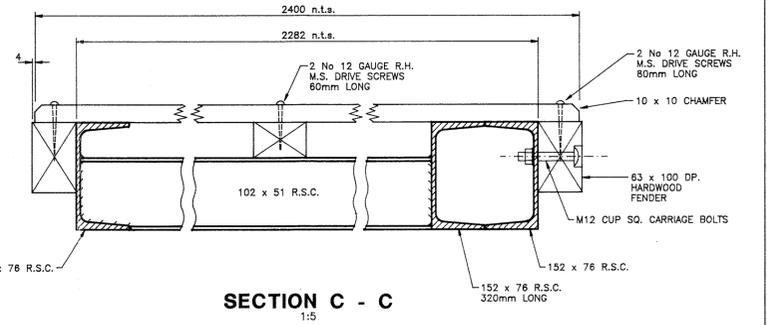


KEY PLAN
Scale :1/100

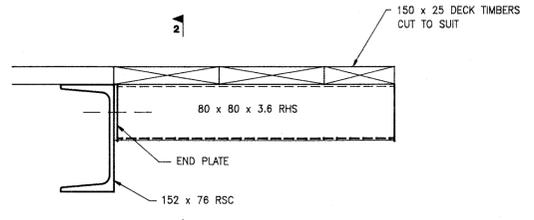


DETAIL AT ACCESS LADDER
1:10

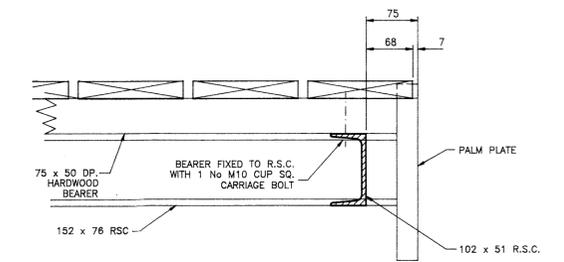
- NOTES.
- DO NOT SCALE FROM THIS DRAWING.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH THE ENGINEERS SPECIFICATION.
 - ALL PONTOON STEELWORK TO BE GALVANISED AND THEN PAINTED TO BS 5493:1977, SECTION TWO, PART 9, REFERENCE NUMBER SB1/SB9.
 - PROVIDE 6mm FILLET WELDS OR FULL PENETRATION BUTT WELDS (AS APPROPRIATE)
 - POLYSTYRENE FLOTATION BLOCKS TO BE SEALED WITH SUB-STRAT (TO S.D. COATINGS SPECIFICATION) AND THEN ENCASED IN MARINE GRADE POLYURETHANE.



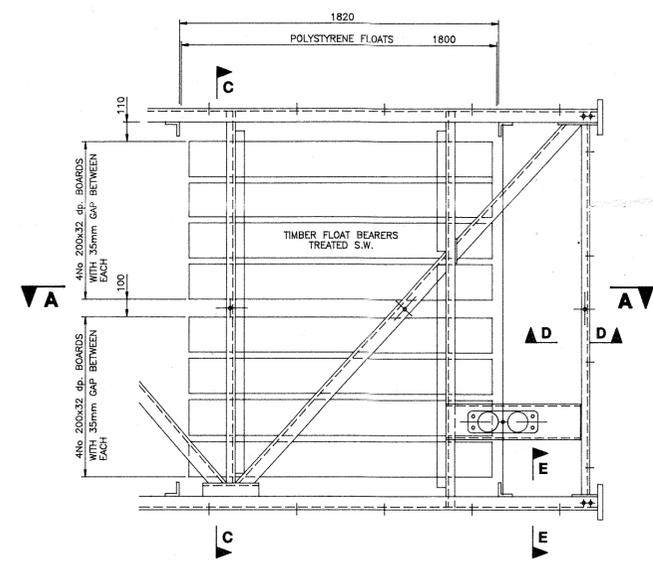
SECTION C - C
1:5



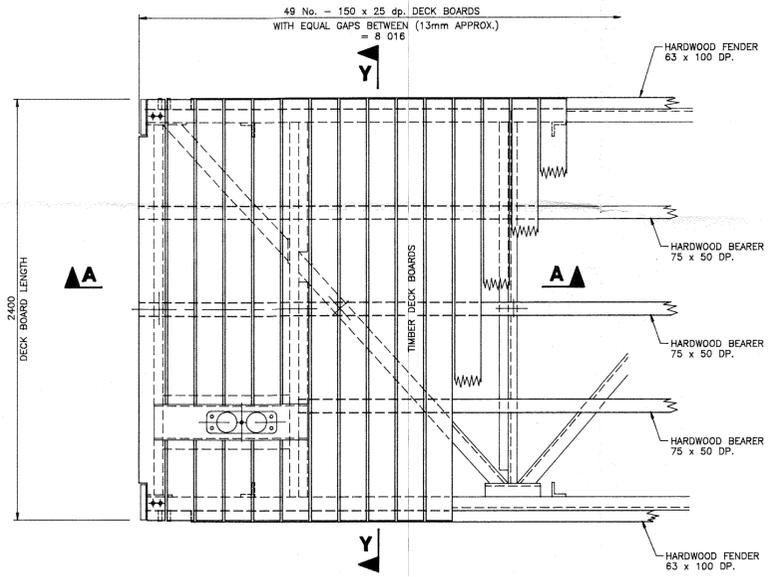
SECTION 1 - 1
1:5



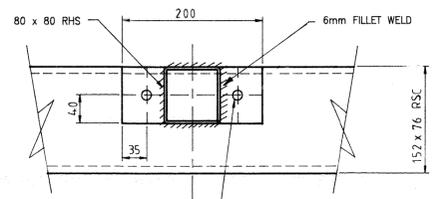
SECTION D - D
1:5



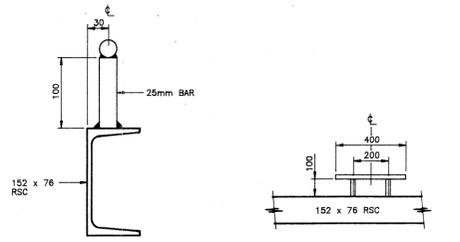
TYPICAL PART PLAN SHOWING TIMBER FLOAT BEARERS (UNIT 2)
(BELOW TIMBER DECKING)
1:20



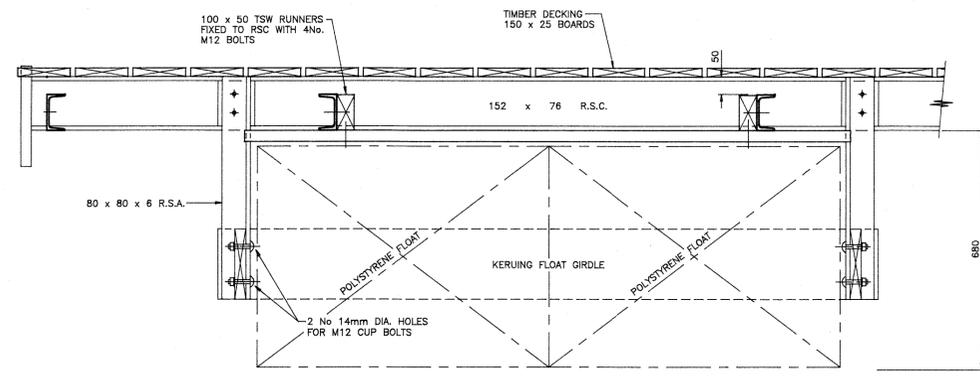
TYPICAL PART PLAN SHOWING TIMBER DECKING (UNIT 4)
1:20



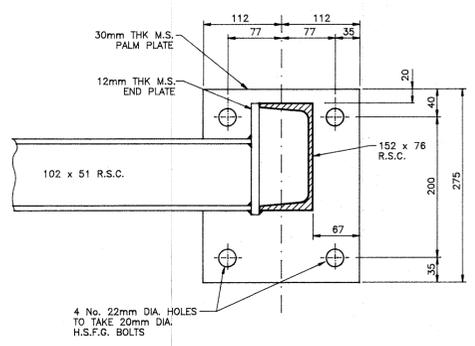
SECTION 2 - 2
1:5



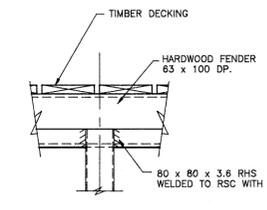
MOORING CLEAT DETAILS
1:5



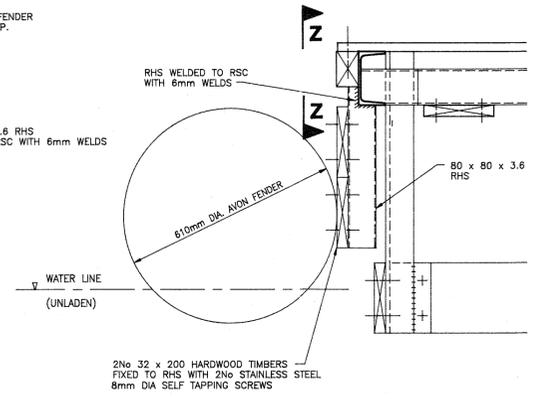
SECTION A - A
1:10



SECTION E-E
(PALM PLATE)
1:5



SECTION Z - Z
1:10



DETAIL AT FENDER
1:10

This drawing is copyright and no part of it may be reproduced or used for any purpose without prior written permission.

Drawing No.	2973/02	Rev.	
Revisions		By	Chk'd
			Date

PRELIMINARY

McKELLAR ENGINEERING LTD
STRATHSPEY INDUSTRIAL
ESTATE
GRANTOWN-ON-SPEY

BUCKIE LIFEBOAT STATION

KEY PLAN
AND PONTOON DETAILS

Scale	1:100	1:10	1:5	1st Issue	18/11/94	Rev.	
Drawn	DMN			Quant Issue			
Checked	JSP			Tender Issue			
App.				1st Works Issue			

Montgomery-Smith
+ Partners

CONSULTING STRUCTURAL, CIVIL & MARITIME ENGINEERS

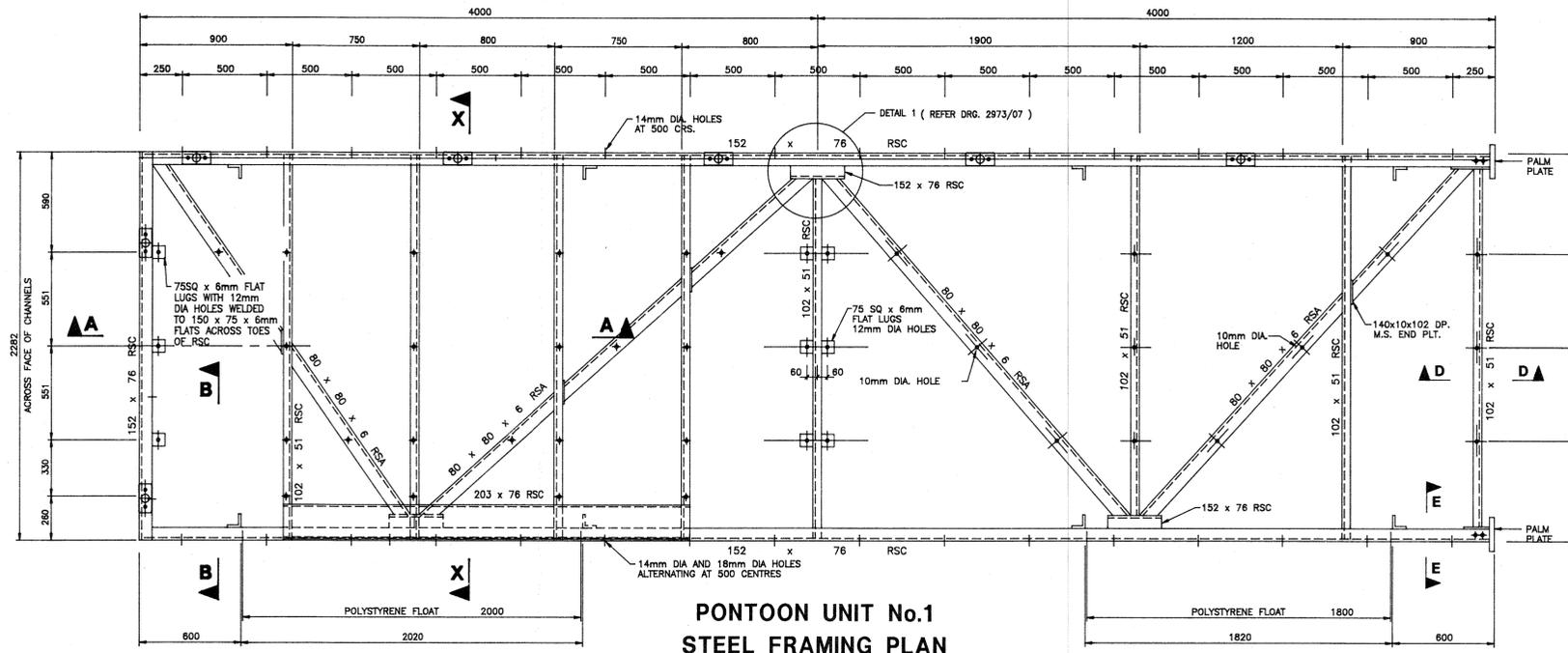
PEN TEST START
PEN TEST START
PEN TEST START
PEN TEST START

8 High Street
Oban PA34 4BG
Drawing No.

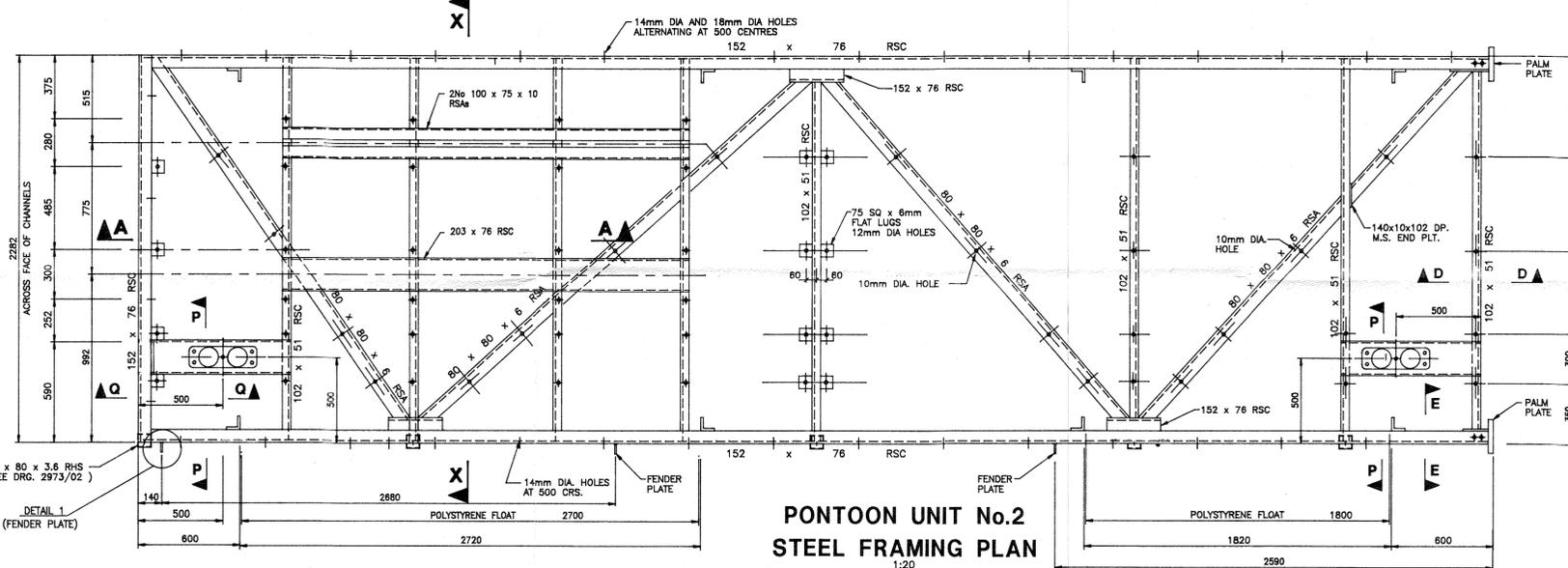
Tel. 0631 65156
Fax. 0631 62901

2973/02

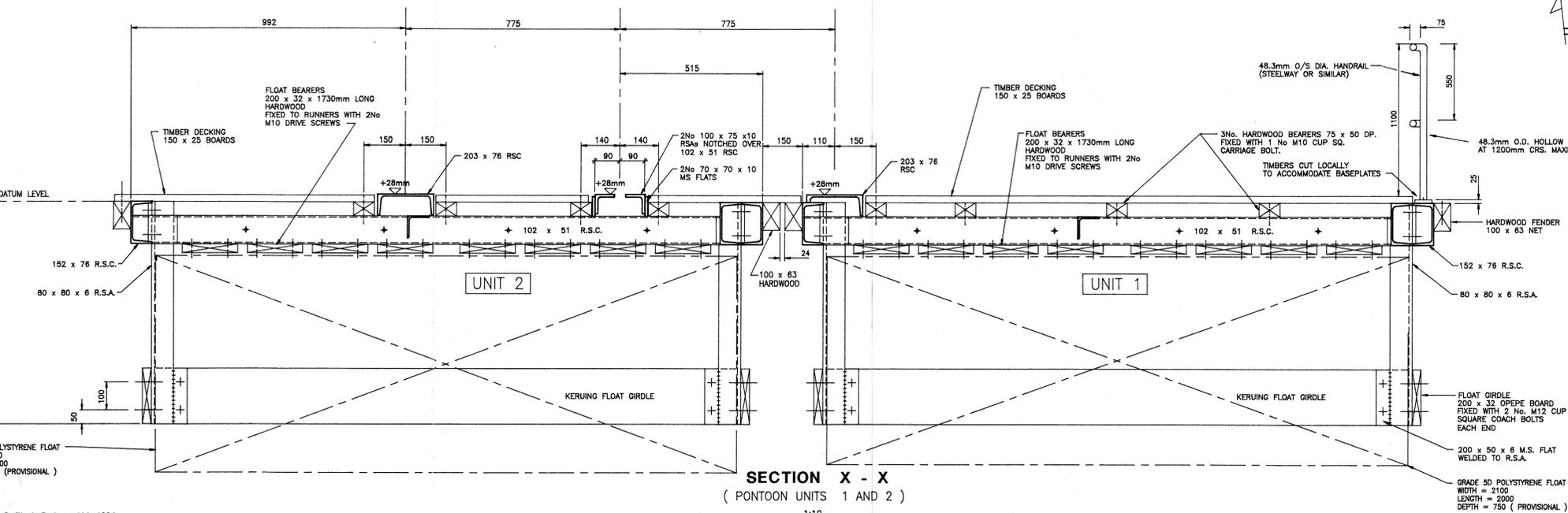
01631 565156



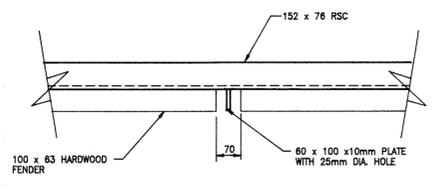
**PONTON UNIT No.1
STEEL FRAMING PLAN**
1:20



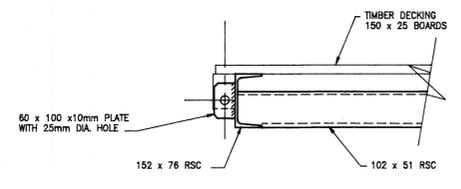
**PONTON UNIT No.2
STEEL FRAMING PLAN**
1:20



**SECTION X - X
(PONTON UNITS 1 AND 2)**
1:10

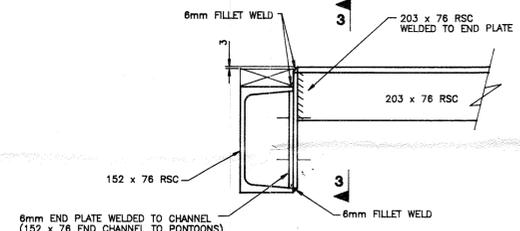


PLAN AT FENDER PLATE (DETAIL 1)
1:10

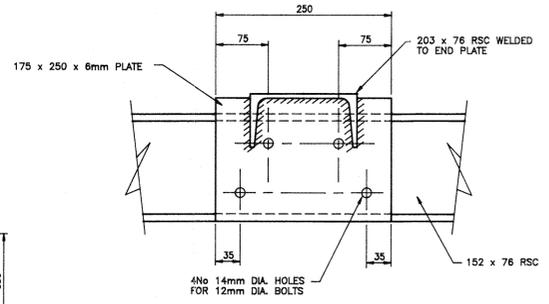


CROSS SECTION AT FENDER PLATE
1:10

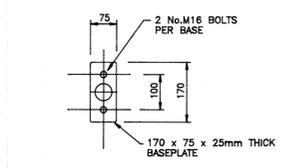
- NOTES:
- DO NOT SCALE FROM THIS DRAWING.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH THE ENGINEERS SPECIFICATION.
 - ALL PONTON STEELWORK TO BE GALVANISED AND THEN PAINTED TO BS 5493:1977, SECTION TWO, PART 9, REFERENCE NUMBER SB1/SB9.
 - PROVIDE 6mm FILLET WELDS OR FULL PENETRATION BUTT WELDS (AS APPROPRIATE)
 - POLYSTYRENE FLOTATION BLOCKS TO BE SEALED WITH SUB-STRAIT (TO S.D. COATINGS SPECIFICATION) AND THEN ENCASED IN MARINE GRADE POLYURETHANE.



SECTION Q - Q
1:5



SECTION 3 - 3
1:5



**PLAN OF HANDRAIL
BASEPLATE**
1:10

This drawing is copyright and no part of it may be reproduced or used for any purpose without prior written permission.

Drawing No.	2973/03		Rev.
Revisions	By	Chk'd	Date

McKELLAR ENGINEERING LTD
STRATHSPEY INDUSTRIAL
ESTATE
GRANTOWN-ON-SPEY

BUCKIE LIFEBOAT STATION

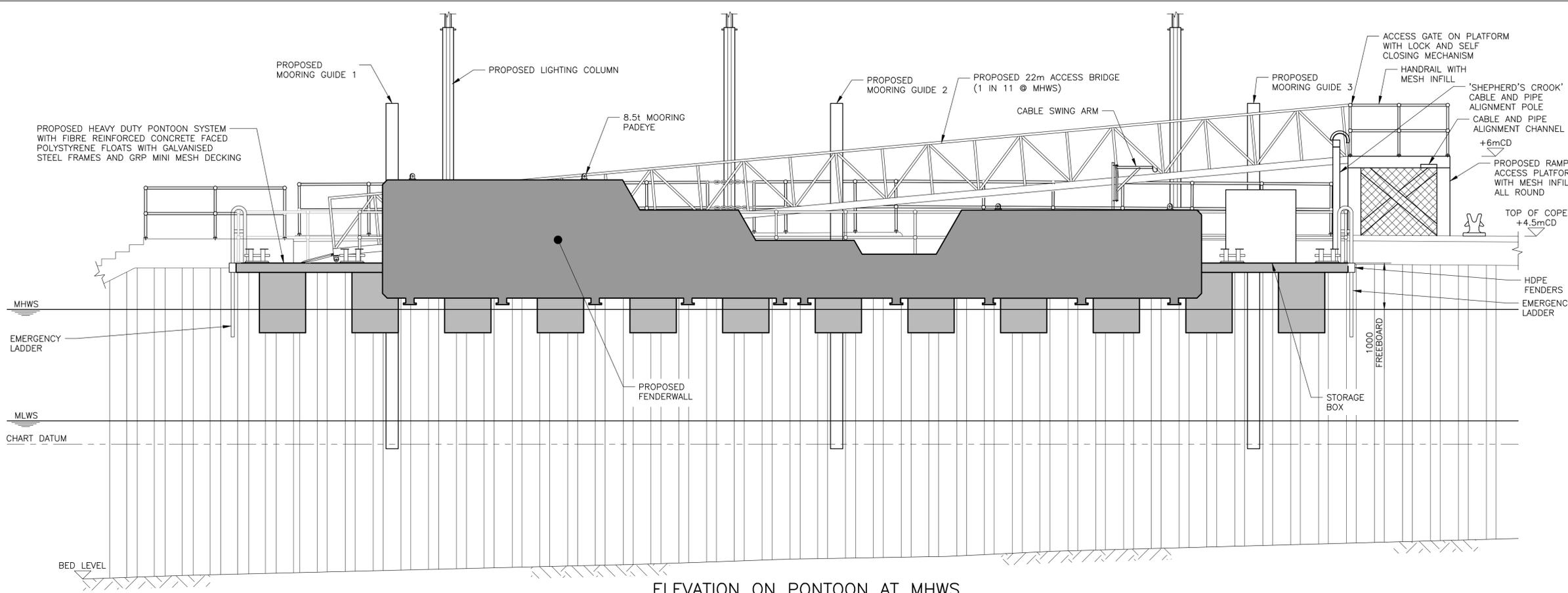
**PONTON UNITS 1 AND 2
FRAMING PLANS AND
SECTIONS**

Scale	1:10, 1:20	1st Issue	18/11/94	Rev.
Drawn	DMN	Quant Issue		
Checked	JSP	Tender Issue		
App		1st Work Issue		

Montgomery-Smith
+ Partners
CONSULTING STRUCTURAL, CIVIL & MARITIME ENGINEERS

8 High Street Oban PA34 4BG Tel. 0831 65156 Fax. 0831 62901

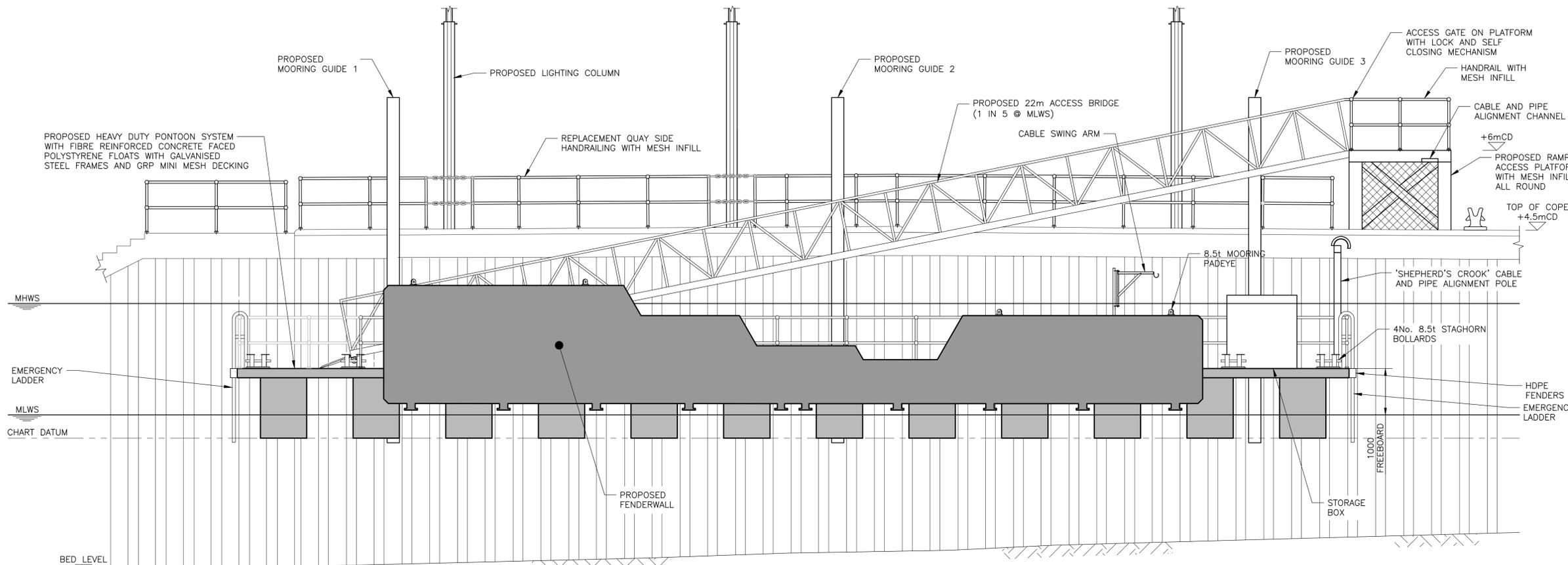
Drawing No.	2973/03		Rev.
-------------	---------	--	------



ELEVATION ON PONTOON AT MHSW

SCALE 1:50

NOTE: - HANDRAIL MESH OMITTED FOR CLARITY



ELEVATION ON PONTOON AT MLWS

SCALE 1:50

NOTE: - HANDRAIL MESH OMITTED FOR CLARITY

GENERAL NOTES

1. ALL LEVELS ARE IN METRES AND RELATE TO CHART DATUM U.N.O.
2. ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
3. TIDE LEVELS ARE AS FOLLOWS

HAT	+3.20mCD
MHWS	+2.90mCD
MHWN	+2.50mCD
MLWN	+1.10mCD
MLWS	+0.50mCD
LAT	-0.10mCD
4. CHART DATUM IS 1.39m BELOW ORDANCE DATUM.
5. FOR PONTOON LAYOUT REFER TO DRAWING RCPR-WS2316-XX-XX-DR-C-1001.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE PONTOONS, ACCESS BRIDGE, QUAYSIDE ACCESS BRIDGE, RAMP ACCESS PLATFORM (INC. FOUNDATION AND BOLLARD BASE), FENDER WALL, MOORING GUIDES, ANCILLARY EQUIPMENT, SERVICES CONNECTIONS, BREAK TANK AND BOOSTER SET AND GUIDE BRACKETS.

REV	DATE	DETAILS	TC	RD	GB
C01	02.09.21	ISSUED FOR CONSTRUCTION.			

AMENDMENTS

CLIENT

PROJECT
CAMPBELTOWN LBS PONTOON REPLACEMENT

Wallace Stone
 Consulting Civil Engineers

GLASGOW 0141 554 8233
 glasgow@wallacestone.co.uk

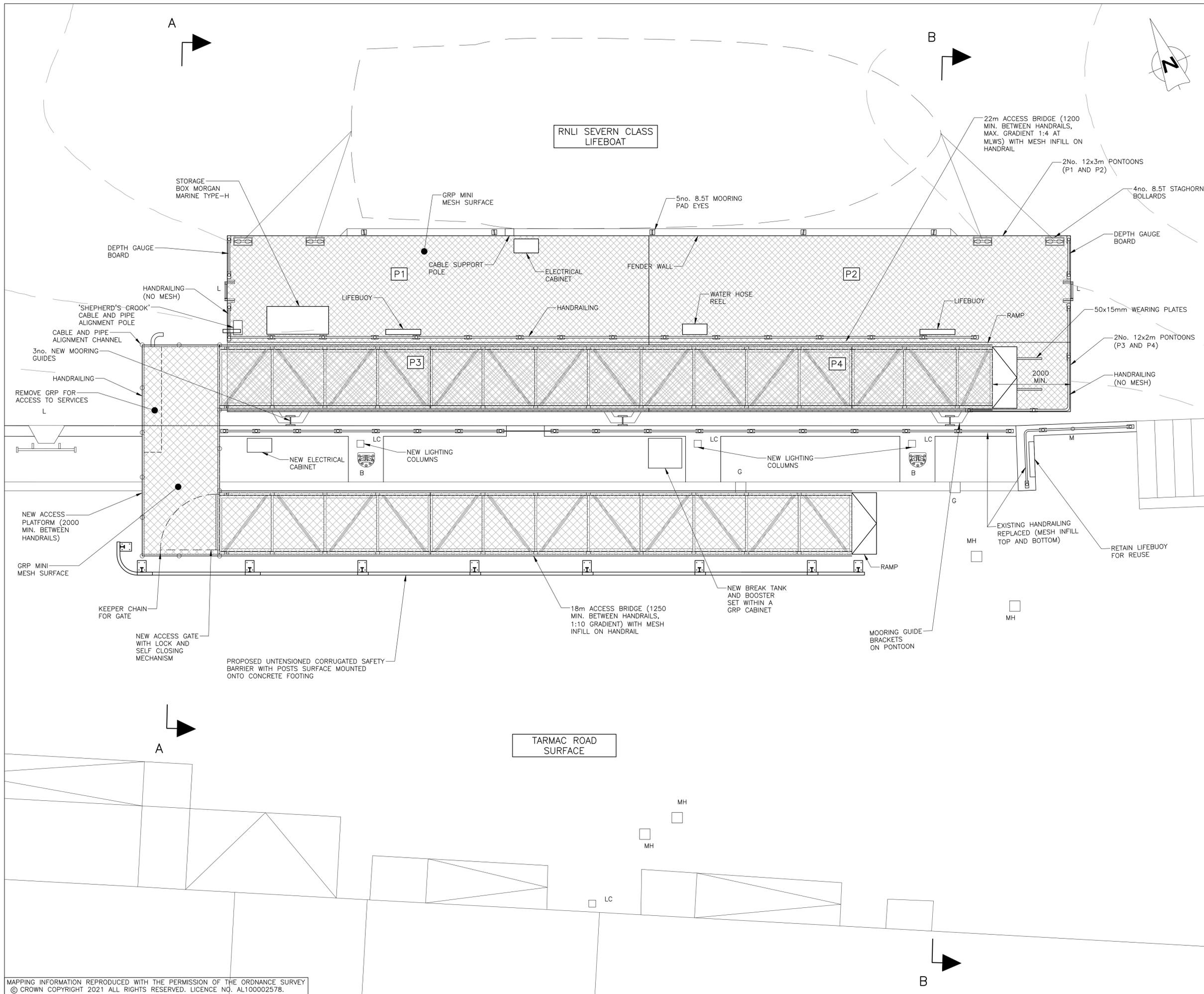
DINGWALL 01349 866775
 dingwall@wallacestone.co.uk

HEBRIDES 01851 600220
 hebrides@wallacestone.co.uk

DRAWING TITLE
PROPOSED SITE ELEVATIONS

DRAWN	CHECKED	APPROVED
TC	RD	GB
DATE	DATE	DATE
APR 21	JUN 21	JUN 21
SCALE (A1)	STAGE	REV
AS SHOWN	CONSTRUCTION	C01

DRAWING No.
RCPR-WS2316-XX-XX-DR-C-1002



GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
- ALL LEVELS ARE IN METRES AND RELATE TO CHART DATUM U.N.O.
- TIDE LEVELS ARE AS FOLLOWS

HAT	+3.20mCD
MHWS	+2.90mCD
MHWN	+2.50mCD
MLWN	+1.10mCD
MLWS	+0.50mCD
LAT	-0.10mCD
- CHART DATUM IS 1.39m BELOW ORDANCE DATUM.
- BATHYMETRIC DATA SHOWN INDICATIVELY BASED ON SURVEY CARRIED OUT IN 2016.
- FOR ELEVATIONS REFER TO DRAWING RCPR-WS2316-XX-XX-DR-C-1002.
- FOR SECTIONS REFER TO DRAWING RCPR-WS2316-XX-XX-DR-C-1003.
- THE EXISTING ONE-WAY ACCESS ON AND OFF THE PIER SHALL BE MAINTAINED THROUGHOUT THE WORKS. A MINIMUM 4m CARRIAGEWAY WIDTH TO THE FRONT OF THE BUILDINGS AND ENTRANCE RAMPS.
- LOADING RESTRICTIONS MAX UDL = 20KN/m2 ON PIER. ALL CRANE OUTRIGGERS TO USE SPREADER PLATES.
- ACCESS TO THE BUILDINGS TO BE MAINTAINED THROUGHOUT WORKS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE PONTOONS, ACCESS BRIDGE, QUAYSIDE ACCESS BRIDGE, RAMP ACCESS PLATFORM, FENDER WALL, MOORING GUIDES, ANCILLARY EQUIPMENT, SERVICES CONNECTIONS, BREAK TANK AND BOOSTER SET AND GUIDE BRACKETS.
- SOLID JOINTS REQUIRED BETWEEN ALL PONTOON UNITS.
- ALL EXTERNAL FACES OF PONTOON FRAMES TO HAVE 50mm THICK HARDWOOD FENDER U.N.O.

LEGEND

- G = GULLY
- LC = LIGHTING COLUMN
- L = LADDER
- MH = MANHOLE
- M = MOORING RING
- T = TOBY

PO2	21.04.21	MINOR AMENDMENTS.	TC	RD	GB
REV	DATE	DETAILS	DRAWN	CHK'D	APP'D

CLIENT
Lifeboats

PROJECT
CAMPBELTOWN LBS PONTOON REPLACEMENT

Wallace Stone
Consulting Civil Engineers

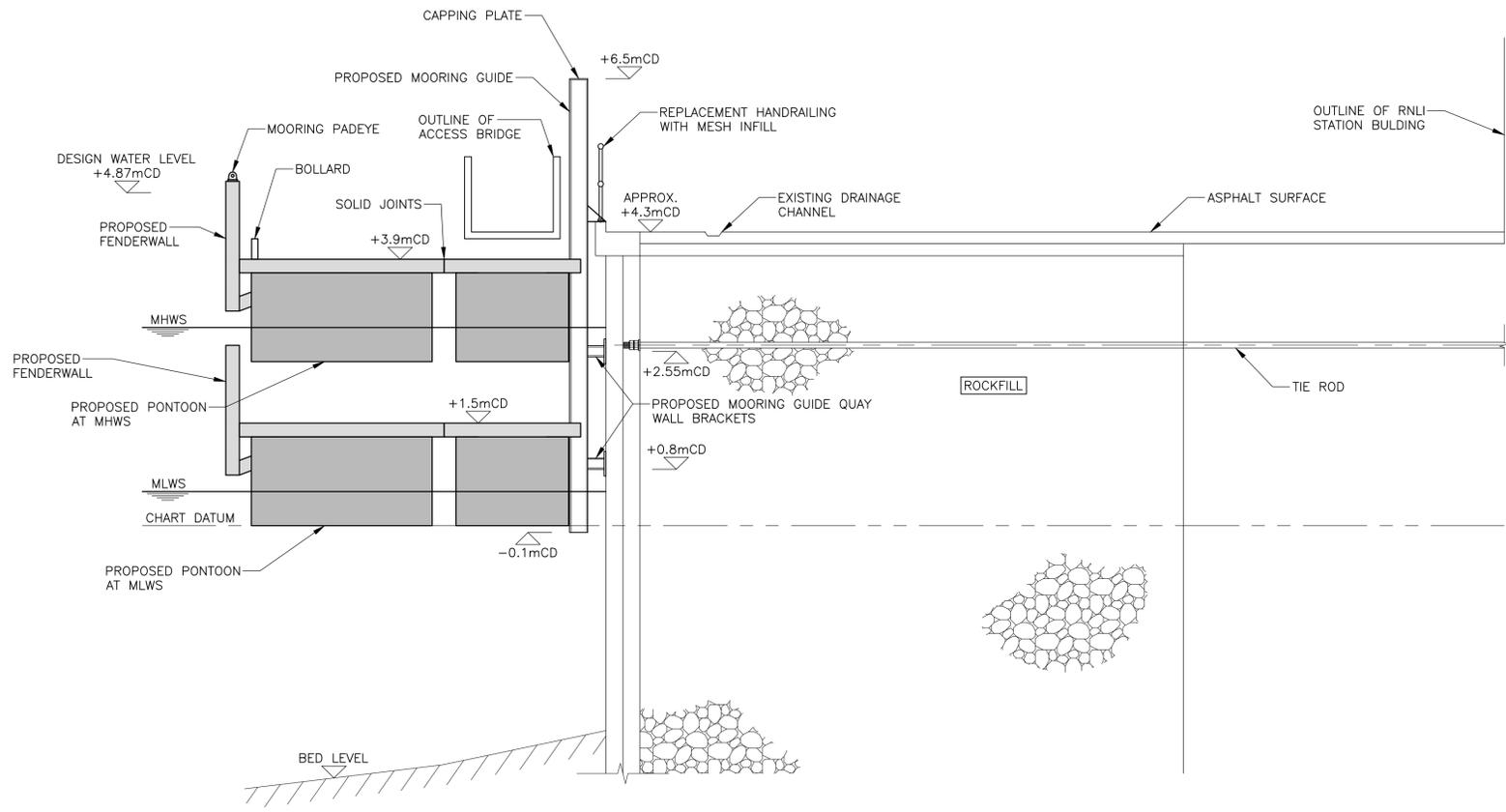
GLASGOW 0141 554 8233 glasgow@wallacestone.co.uk
DINGWALL 01349 866775 dingwall@wallacestone.co.uk
HEBRIDES 01851 600220 hebrides@wallacestone.co.uk

DRAWING TITLE
PROPOSED SITE PLAN

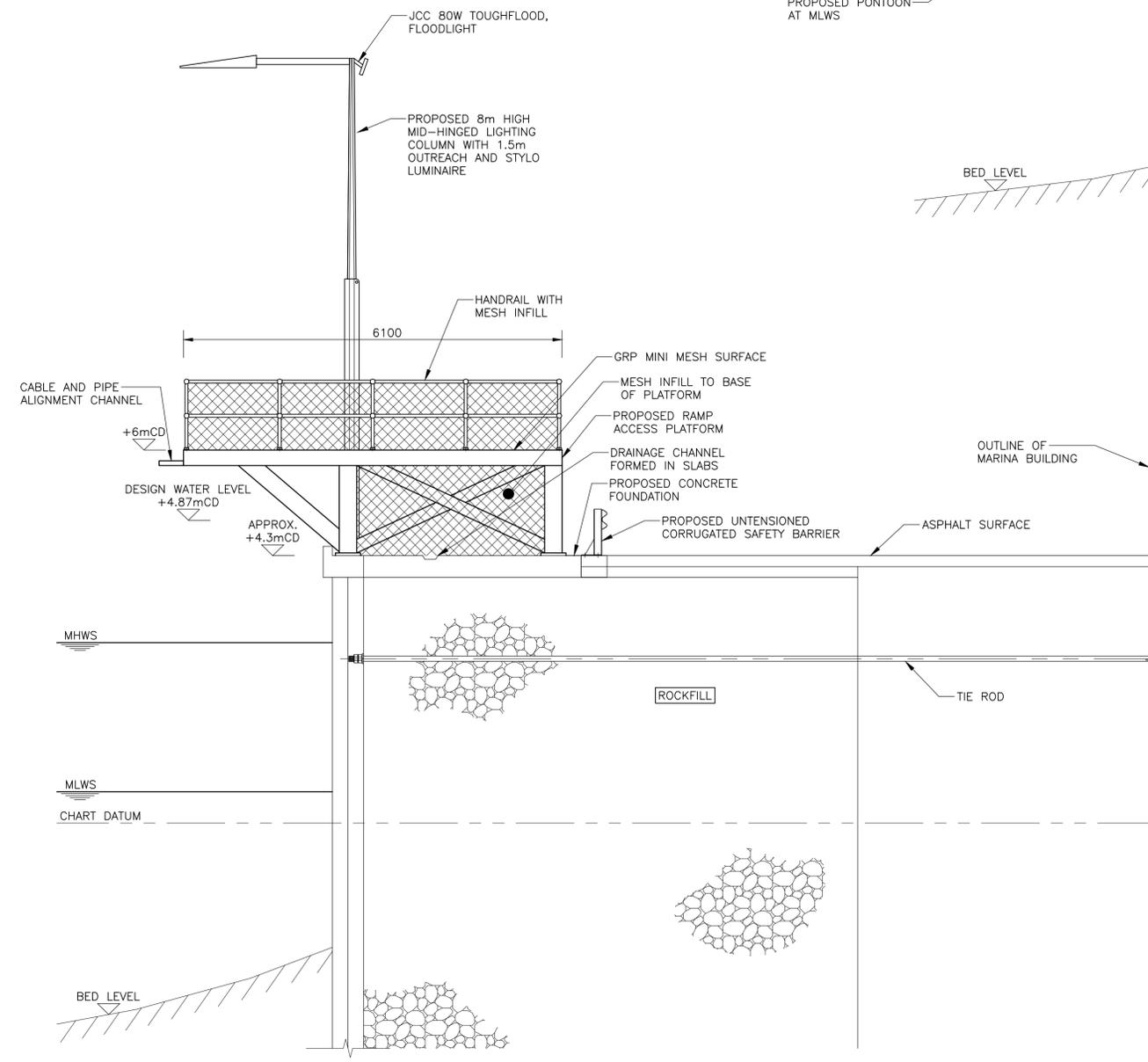
DRAWN	TC	CHECKED	RD	APPROVED	GB
DATE	APR 21	DATE	APR 21	DATE	APR 21
SCALE (A1)	1:50	STAGE	PRELIMINARY	REV	P03.1

DRAWING No.
RCPR-WS2316-XX-XX-DR-C-1001

MAPPING INFORMATION REPRODUCED WITH THE PERMISSION OF THE ORDNANCE SURVEY © CROWN COPYRIGHT 2021 ALL RIGHTS RESERVED. LICENCE NO. AL100002578.



SECTION B-B
SCALE 1:50



SECTION A-A
SCALE 1:50

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
2. ALL LEVELS ARE IN METRES AND RELATE TO CHART DATUM U.N.O.
3. TIDE LEVELS ARE AS FOLLOWS

HAT	+3.20mCD
MHWS	+2.90mCD
MHWN	+2.50mCD
MLWN	+1.10mCD
MLWS	+0.50mCD
LAT	-0.10mCD
4. CHART DATUM IS 1.39m BELOW ORDANCE DATUM.
5. ALL STEELWORK TO BE GRADE S275 J0, U.N.O.
6. ALL STEELWORK TO BE GALVANISED IN ACCORDANCE WITH THE SPECIFICATION.
7. ALL BOLTS, NUTS AND WASHERS TO BE MINIMUM GRADE 8.8.
8. ALL NUTS TO BE NYLOC.
9. ALL WELDS TO BE A MINIMUM OF 8mm.
10. ALL CONNECTIONS FROM EXISTING STEPS, FENDERS AND JACKSTAYS CONNECTED TO QUAY WALL TO BE REMOVED AND REPAIRED AS NECESSARY.

CO1	02.09.21	ISSUED FOR CONSTRUCTION.	TC	RD	GB
REV	DATE	DETAILS	DRAWN	CHK'D	APP'D
AMENDMENTS					

CLIENT
Lifeboats

PROJECT
CAMPBELTOWN LBS PONTOON REPLACEMENT

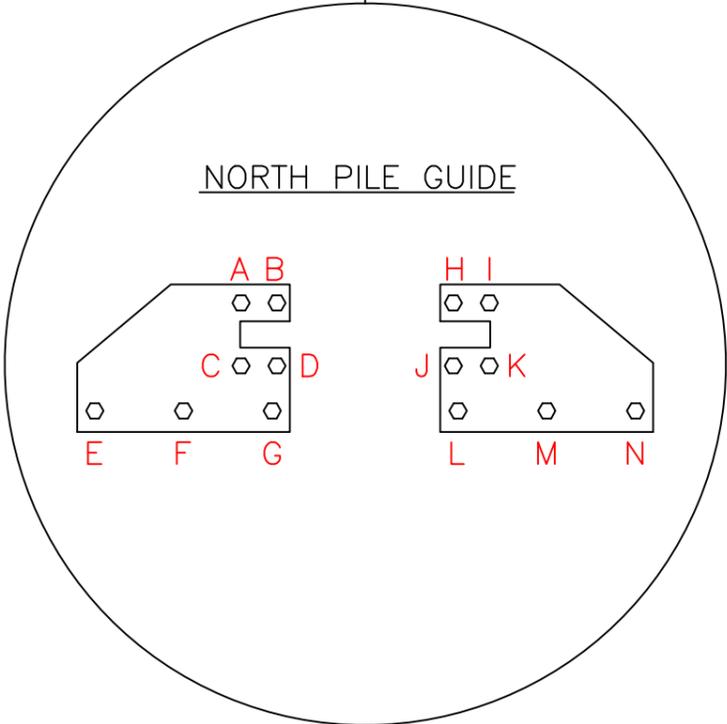
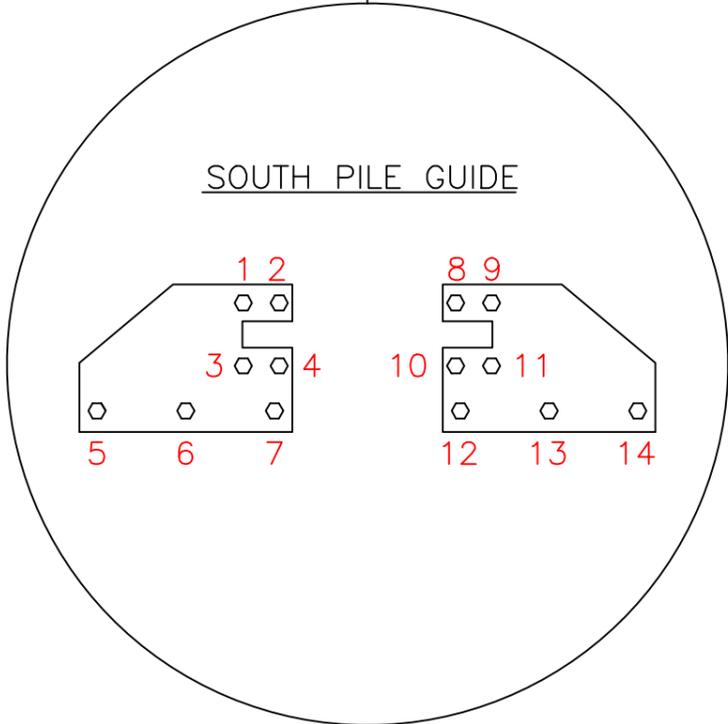
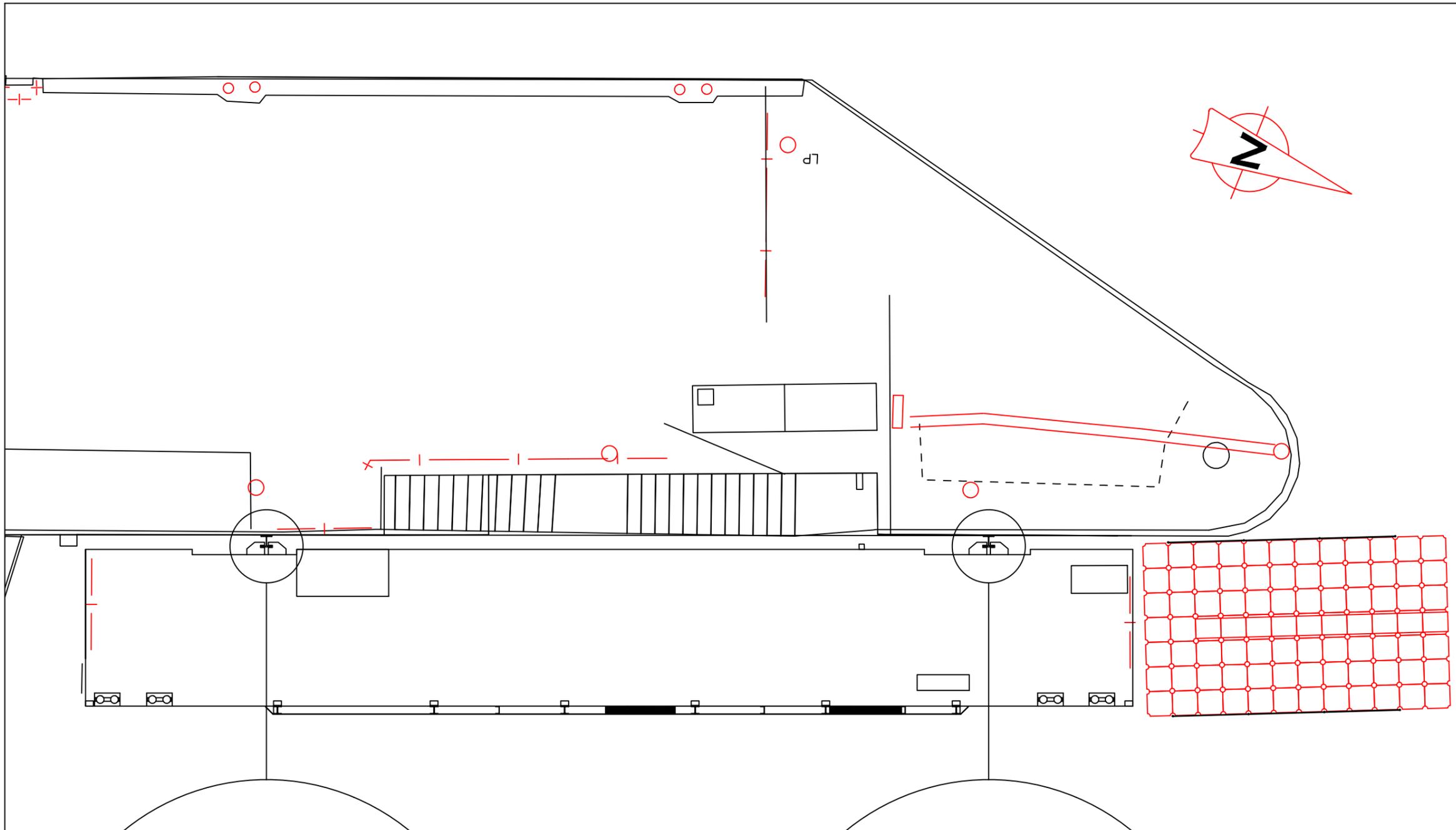
Wallace Stone
Consulting Civil Engineers

GLASGOW 0141 554 8233 glasgow@wallacestone.co.uk
DINGWALL 01349 866775 dingwall@wallacestone.co.uk
HEBRIDES 01851 600220 hebrides@wallacestone.co.uk

DRAWING TITLE
PROPOSED SITE SECTIONS

DRAWN	CHECKED	APPROVED
TC	RD	GB
DATE	DATE	DATE
APR 21	JUN 21	JUN 21
SCALE (A1)	STAGE	REV
AS SHOWN	CONSTRUCTION	C01

DRAWING No.
RCPR-WS2316-XX-XX-DR-C-1003



rev	description	date	by

INFORMATION



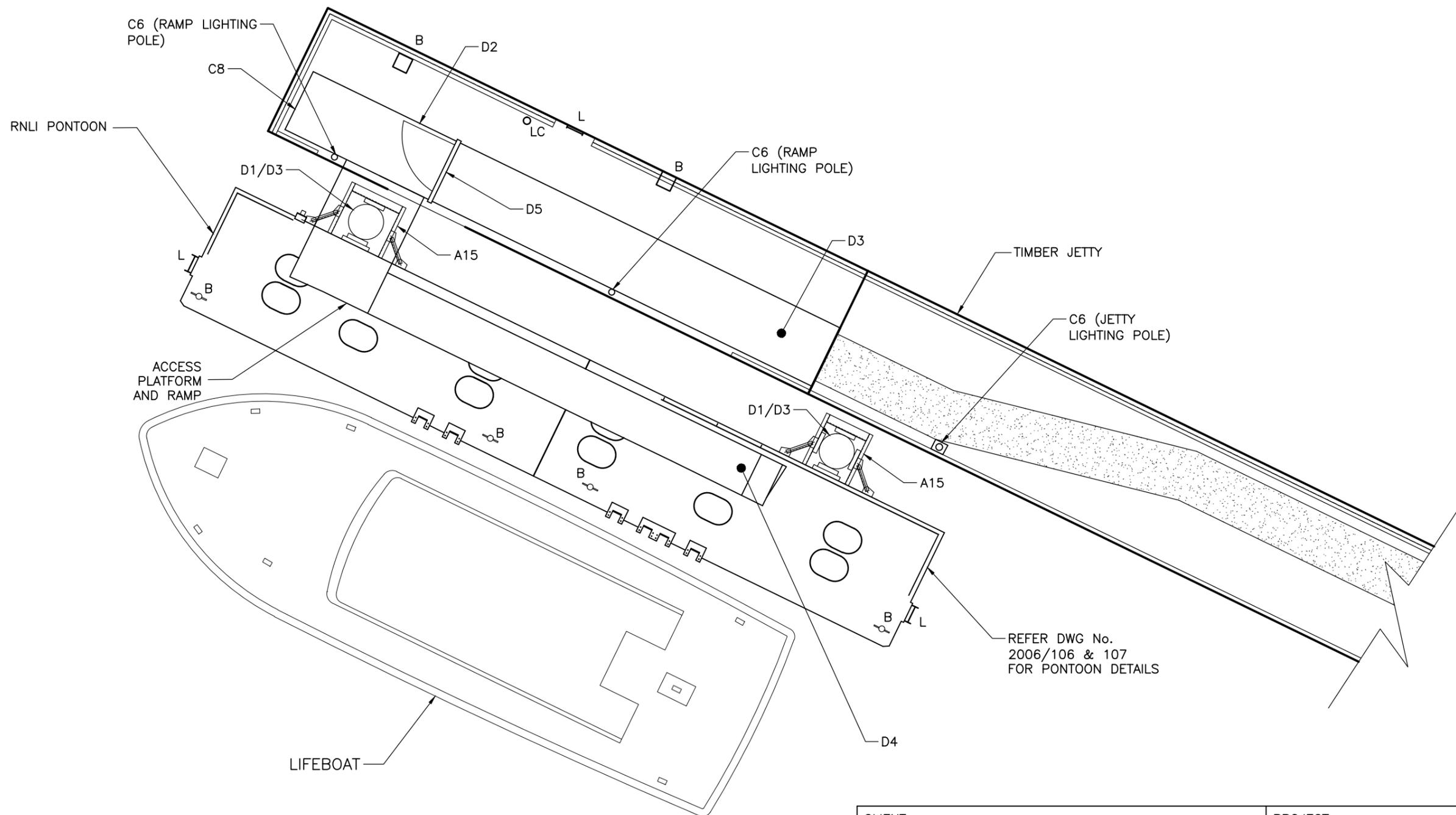
RNLI Estates Office
West Quay Road
Poole
BH15 1HZ
Telephone: 01202663251
www.rnli.org

© RNLI

Project Address
EYEMOUTH LIFEBOAT STATION
GUNSGREEN QUAY, THE HARBOUR
EYEMOUTH TD14 5SD

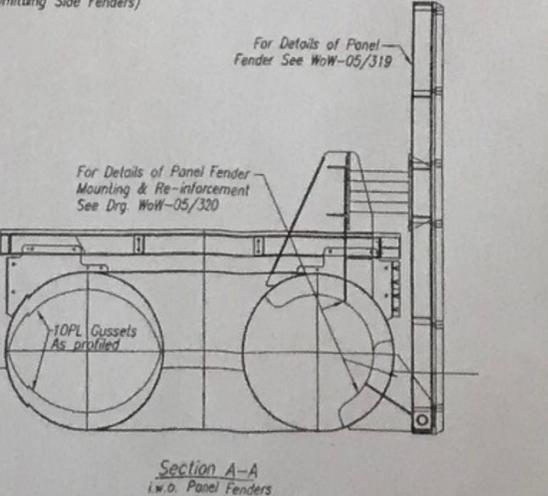
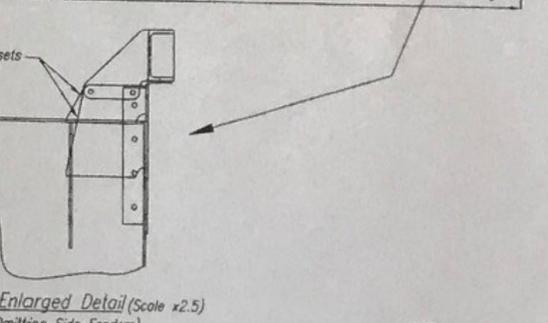
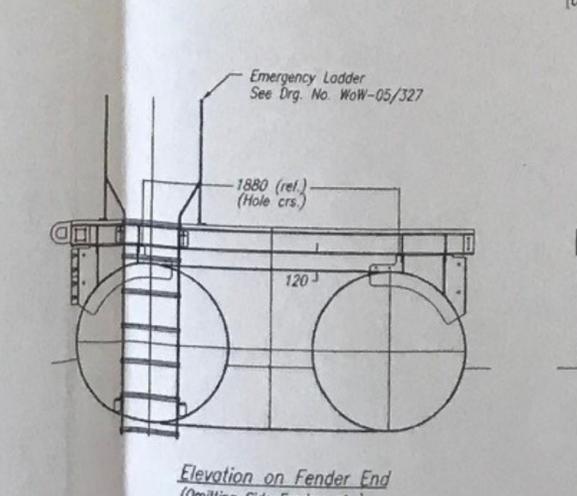
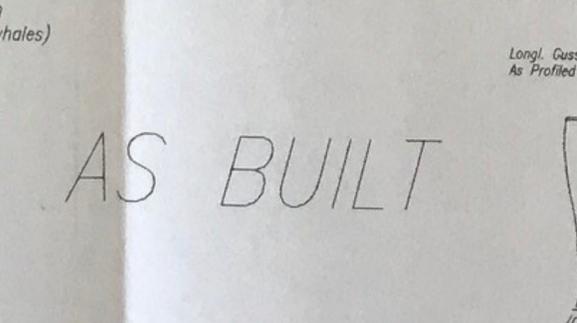
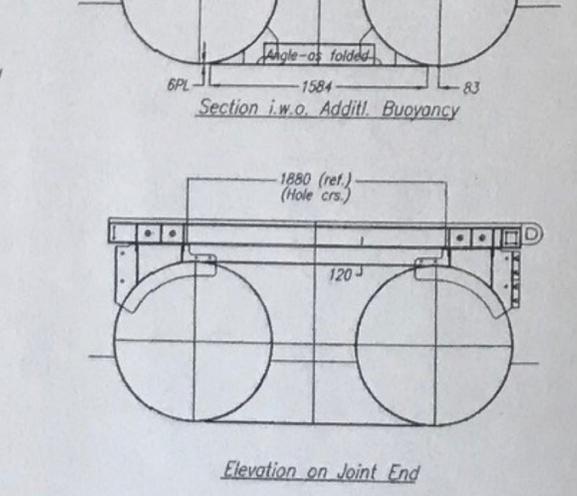
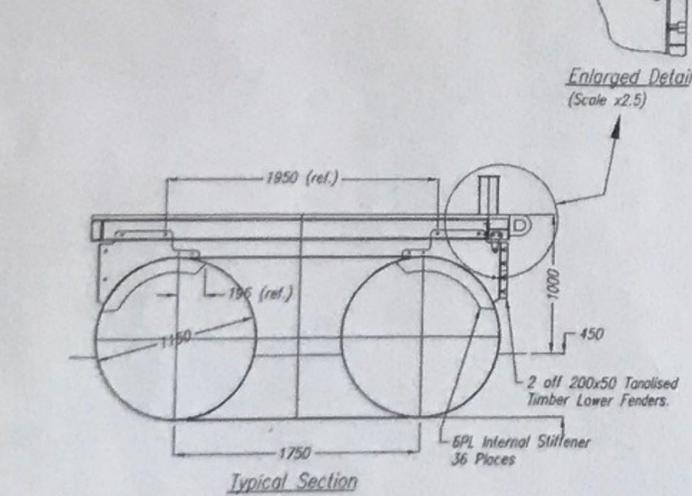
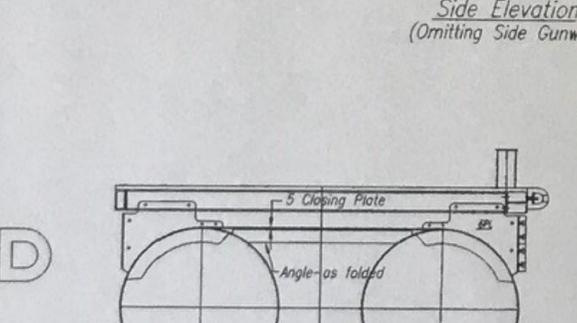
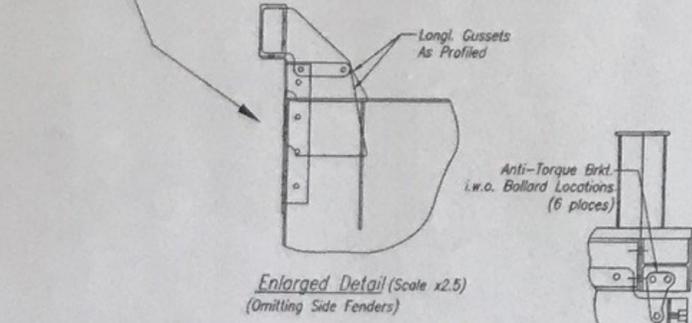
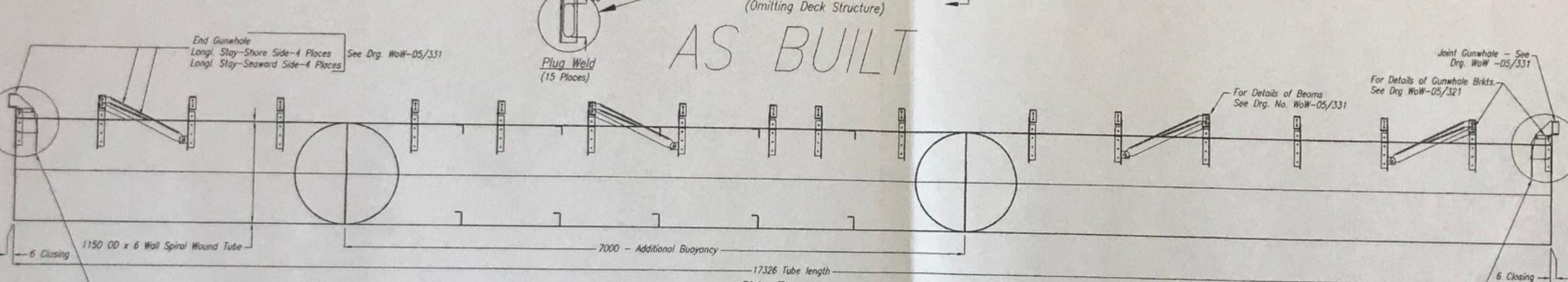
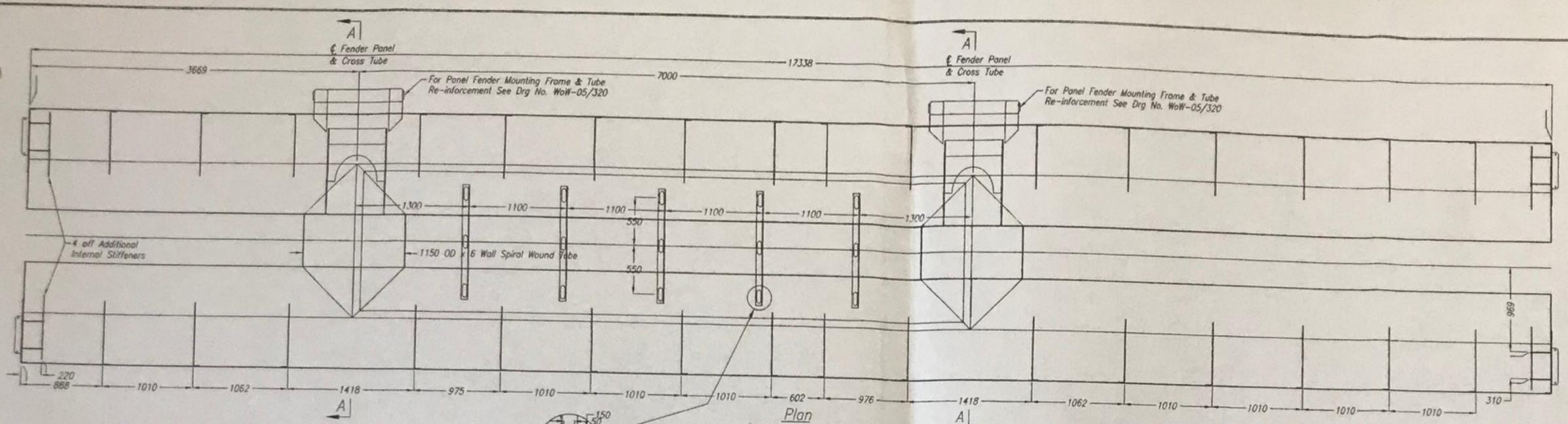
Title
PONTOON PILE GUIDE
BOLT IDENTIFICATION

Scales	Not to scale	Size	A3
Drawn	SRM	Checked	Date 25/01/2024
Drg. No.	EYEMOUTH PONTBOLTID	Revision	-



PLAN
1:100

CLIENT:		PROJECT:	
		GIRVAN LIFEBOAT BERTH REFURBISHMENT	
		TITLE: PLAN ON WORKS GENERAL ARRANGEMENT	
		HEBRIDES 01851 612454 hebrides@wallacestone.co.uk	DATE DRAWN: AUG '17
		GLASGOW 0141 554 8233 glasgow@wallacestone.co.uk	DATE CHKD: OCT 17
		DINGWALL 01349 866775 dingwall@wallacestone.co.uk	DATE APPRVD: OCT 17
		CONSULTING CIVIL ENGINEERS	SCALE (A3): AS SHOWN
		DRAWN: JR	
		CHKD: GB	
		APPRVD: GB	
		DRG NO. 2006/105	



- NOTES:
- © COPYRIGHT DOCKING SOLUTIONS THIS DRAWING AND DESIGN MAY NOT BE REPRODUCED, MANUFACTURED OR EXPLOITED IN WHOLE OR PART WITHOUT PRIOR WRITTEN CONSENT.
 - THIS DRAWING IS FOR THE SOLE USE OF THE CLIENT FOR THE PURPOSE SHOWN.
 - DIMENSIONS ARE NOT TO BE SCALED FROM THIS DRAWING.
 - All Material to BS EN 10 025 Fe 430A Unless Stated Otherwise
 - Weld - 6mm LL Cont Fillet Unless Stated Otherwise
 - Upon Completion Grit Blast to SA 2 and Finish in Two part Epoxy Tar Coating to 450 microns.

C	16.02.05	Beam Pitch etc. Altered to Suit Revised Panel Fender Spacing
B	25.01.05	Lower Folded Stiffener i.w.o. Additl. Buoyancy Altered
A	14.01.05	New Drawing
REV	DATE	DETAILS

Client: Cromarty Firth Port Authority

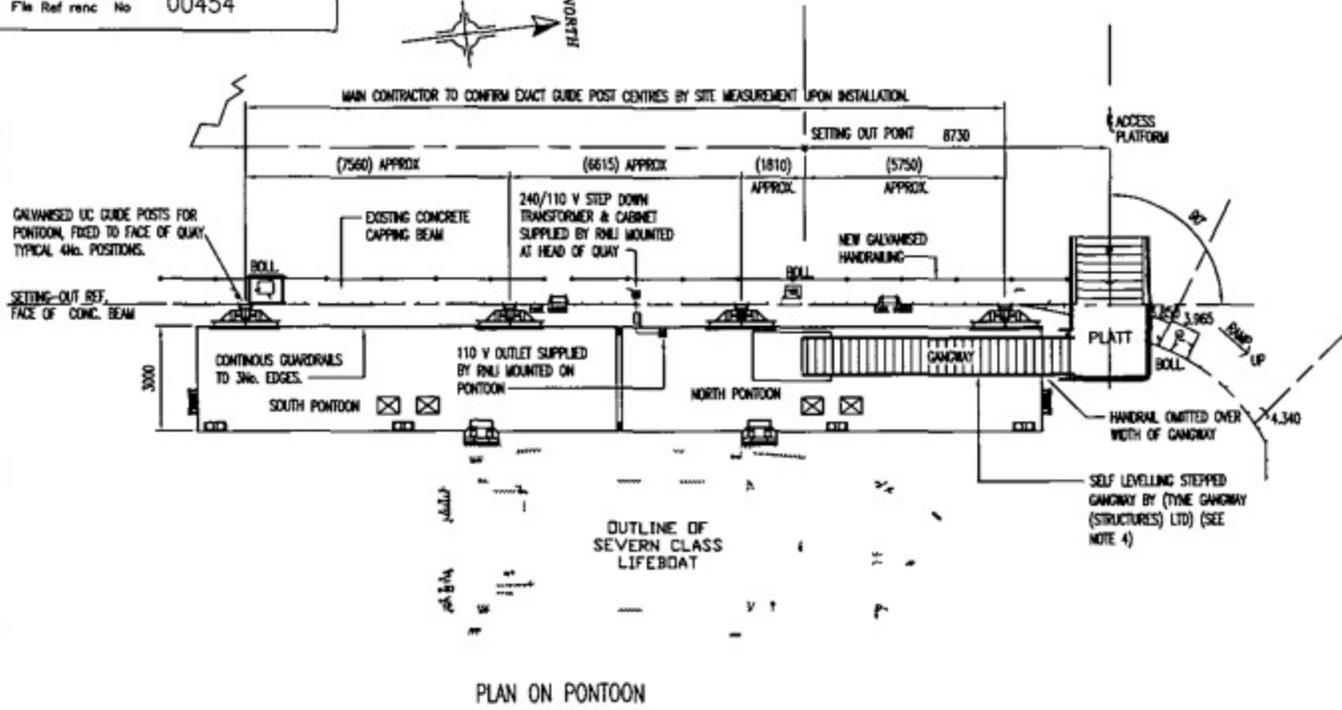
Project: Pilot Boat & Lifeboat Pontoons

Title: Lifeboat Pontoon Float Details

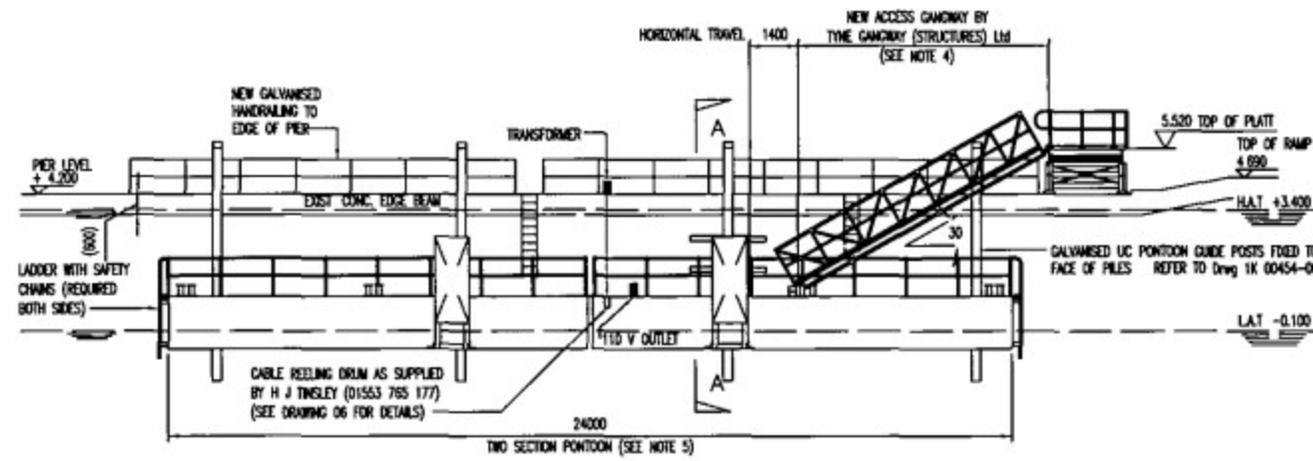
DOCKING SOLUTIONS

Docking Solutions Ltd.,
St. Peters Quay,
Totnes, Devon.
TQ9 5EW

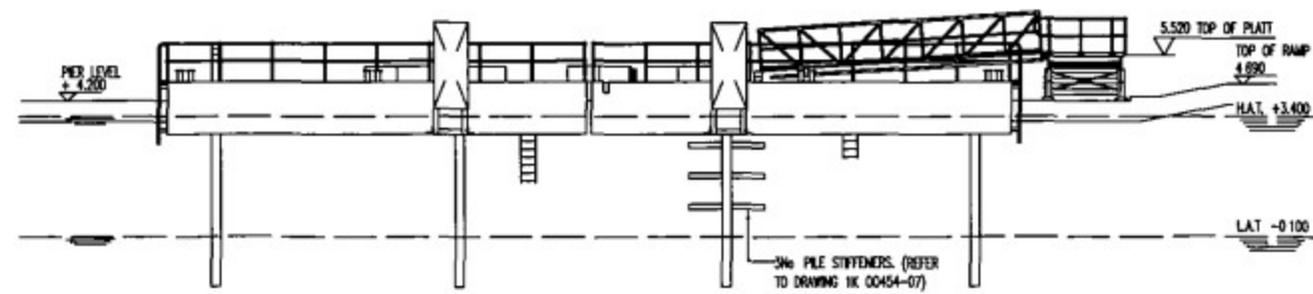
Telephone: (01803) 868555	Fax: (01803) 866326		
STATUS	SCALE	DRAWN BY/CHECKED	DATE
		C.S.M.	14.01.05
Plotted Scale - To Fit Paper			DRAWING No: WoW-05/328
			REV. C



PLAN ON PONTOON



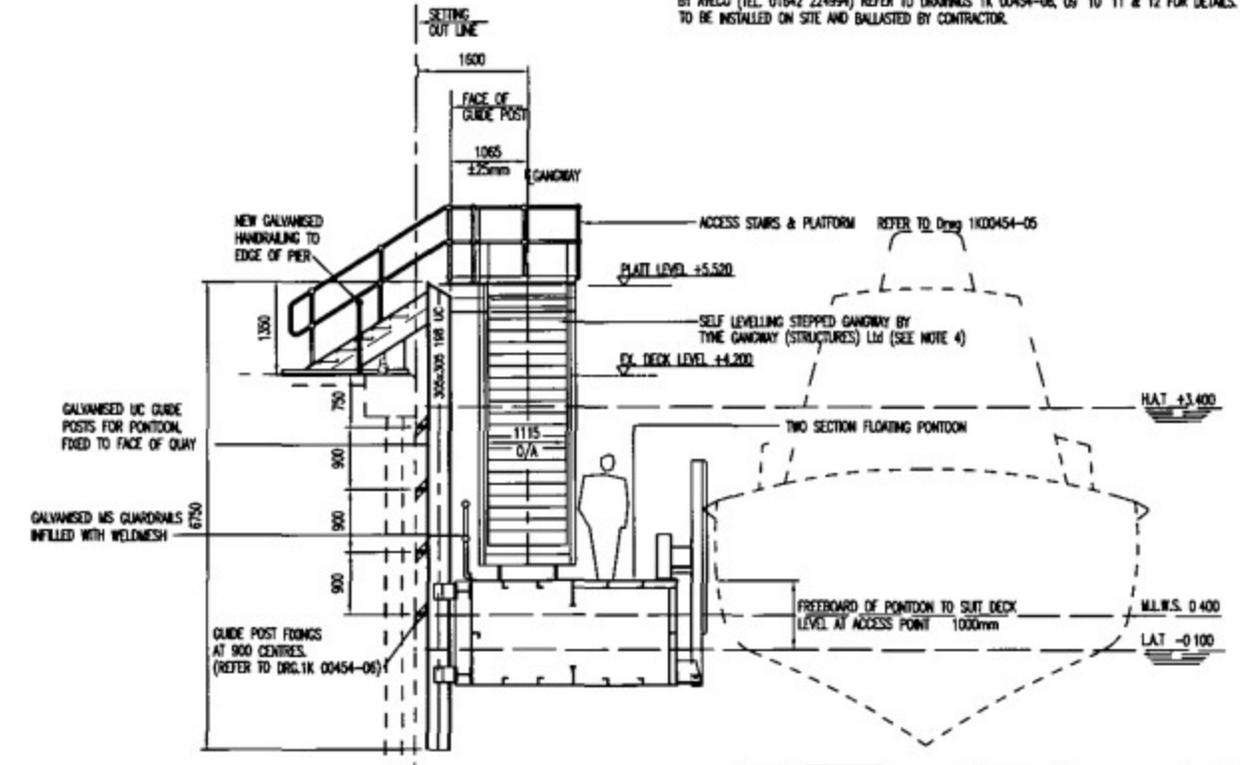
SOUTH EAST ELEVATION ON PONTOON (LAT)



SOUTH EAST ELEVATION ON PONTOON (HAT)

NOTES

- 1 REFER TO DRAWING 1K 00454-02 'SITE & LOCATION PLANS' FOR GENERAL NOTES & TIDAL DATA.
- 2 CONTRACTOR TO CONFIRM ALL LEVELS & DIMENSIONS BY SITE MEASUREMENT PRIOR TO FABRICATION
- 3 TREADS OF ACCESS STAIRS, PLATFORM & GANGWAY SUPPLIED SHALL BE FINISHED WITH GRIPFAST NON-SLIP LAYER AS SUPPLIED BY POLYDECK LTD (TEL. 01275 333640). GRIPFAST SHALL BE GLUED & COUNTERSUNK SCREWED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- 4 SELF LEVELLING STEPPED GANGWAY SHALL BE 1115mm CLEAR WIDTH OF ALUMINIUM ALLOY CONSTRUCTION WITH HANDRAILS TO BOTH EDGES. THE GANGWAY SHALL BE FIXED AT THE TOP AND SHALL BE FREE TO ROLL ALONG THE PONTOON SURFACE AT THE BOTTOM. THE TREADS SHALL BE FINISHED WITH A NON-SLIP SURFACE AS GRIPFAST (SEE NOTE 3). THE CONTRACTOR SHALL EMPLOY TYNE GANGWAY (STRUCTURES) LTD (TEL 0191 2823657) TO UNDERTAKE THE DESIGN AND FABRICATION OF THE GANGWAY. FULL DETAILS OF THE PROPOSED GANGWAY SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE GANGWAY.
- 5 FLOATING PONTOON AND ALL ASSOCIATED PONTOON FITTINGS AND EQUIPMENT INCLUDING; PONTOON GUIDES, HANDRAILS, FENDERS, MOORING RAILS ETC. TO BE FABRICATED, TRIAL ASSEMBLED AND DELIVERED TO SITE BY AVECO (TEL. 01642 224994) REFER TO DRAWINGS 1K 00454-08, 09, 10, 11 & 12 FOR DETAILS. TO BE INSTALLED ON SITE AND BALLASTED BY CONTRACTOR.



SECTION A - A
SCALE 1:50

Issued
13 MAR 07
ARCH HENDERSON

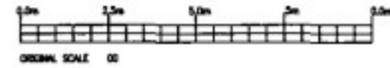
No	DATE	REVISION / ISSUE / PURPOSE	BY	CHKD
F	10/06/03	FENDERS & BOLLARDS AMENDED	MAB	JS
H	13/03/07	AS-BUILT	K.J.B.	J.D.C.
G	22.08.03	NOTES 3 & 4 AMENDED	MAB	J.D.C.

AMENDMENTS / ISSUES
ORIGINAL SIZE 1 THIS IS C.A.D DRAWING DO NOT AMEND MANUALLY

PROJECT TITLE
KIRKWALL LIFEBOAT STATION
PROPOSED MOORING PONTOON
DRAWING TITLE
GENERAL ARRANGEMENT

ARCH HENDERSON
Chartered Civil Structural Engineer
Registered Architectural Surveyor
12 Pilton Street, Threapeth, KW14 7BQ
Tel: 01847 890898 Fax: 01847 893009
also at:
Rushmore, 23-25, Dundee, Dundee, DD2 7Y
Stewart Building, 22-24, Victoria Street, Kirkwall, Orkney, KW15 1TD
Shir Court, Clydebank, Glasgow, G8 2LA

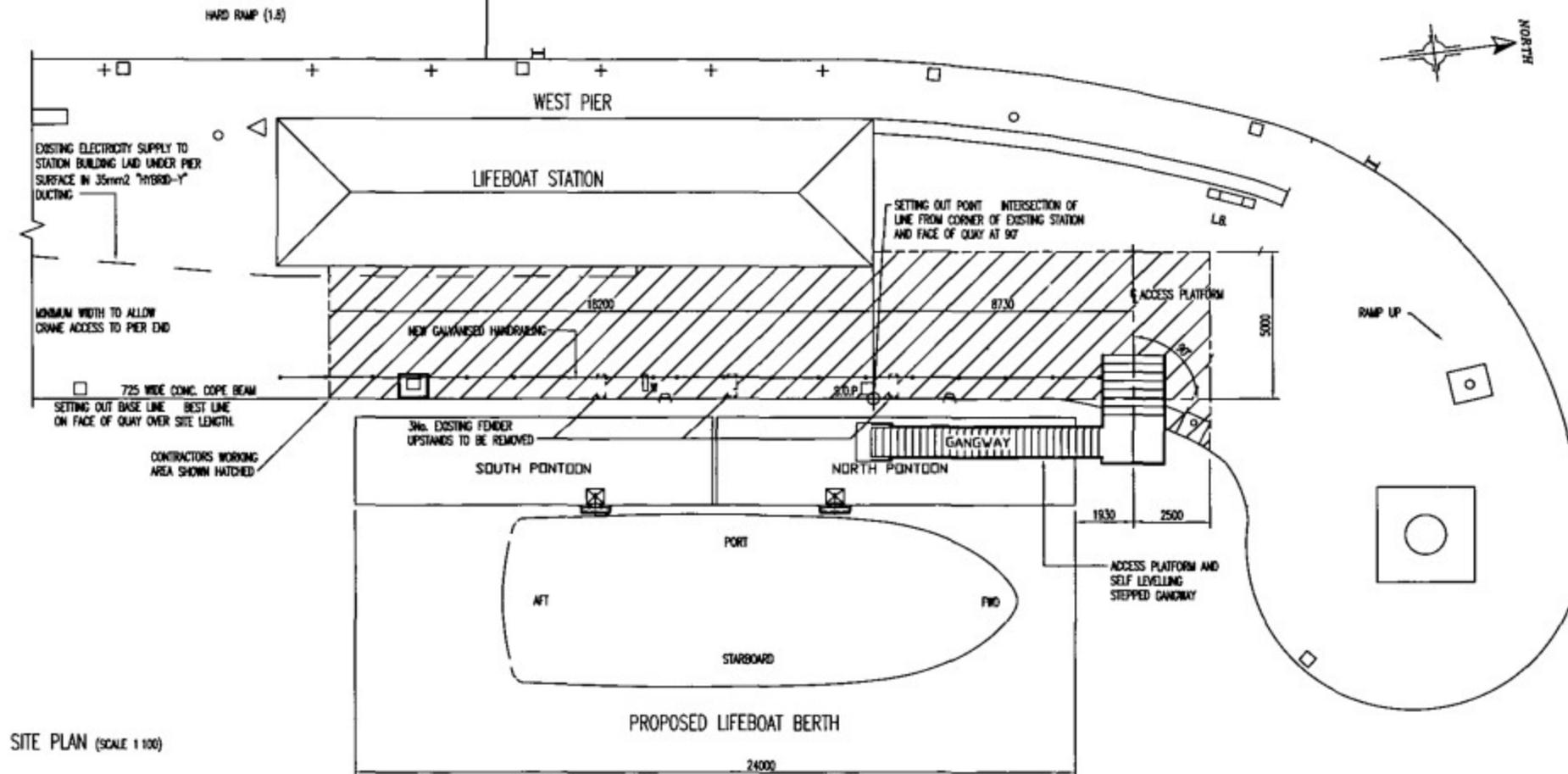
DRN BY	G M G	CHKD BY	J D C.	APPD BY	J D CLARKE.	DATE	JAN 01
SCALE	1:100	DRAWING No	1K 00454-03	REV	H		



NOTES

- 1 ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- 2 ALL LEVELS IN METRES RELATIVE TO CHART DATUM.
- 3 TIDAL DATA FOR KIRKWALL,

HAT	3.4m ACD
MHW	2.9m ACD
MWN	2.2m ACD
MLWN	1.1 ACD
MWS	0.4m ACD
LAT	-0.1m ACD
OD	1.4m ACD

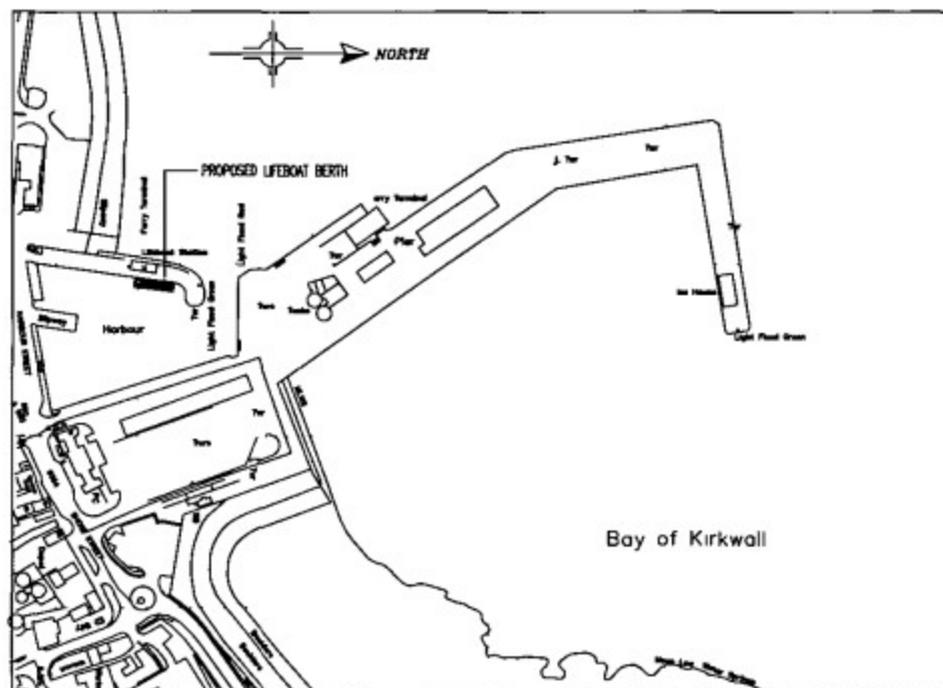


SITE PLAN (SCALE 1:100)

Issued
 13 MAR 2007
ARCH HENDERSON

KEY TO SYMBOLS

- | | |
|----------------------|--------------------|
| ○ FENDER TOP BRACKET | □ NAVIGATION LIGHT |
| ○ LAMP COLUMN | ⊞ LIFE BELT |
| — LADDER | ◁ MANHOLE |
| ○ MOORING RING | ⊞ WATER SUPPLY BOX |
| ⊞ POWER SUPPLY BOX | ⊞ WINCH BOX |
| ○ 15 TONNE BOLLARD | |



LOCATION PLAN (SCALE 1:2000)

No	DATE	REVISION / ISSUE / PURPOSE	BY	CHKD
F	13/03/07	AS BUILT	KJB	JDC
E	22 08 03	NOTE RE GANGWAY AMENDED	MAB	JDC
D	02/05/03	FENDERS AMENDED	MAB	JS

AMENDMENTS / ISSUES

ORIGINAL SIZE	THIS IS C.A.D DRAWING DO NOT AMEND MANUALLY
---------------	---

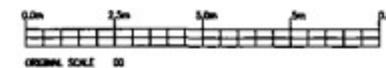
PROJECT TITLE
**KIRKWALL LIFEBOAT STATION
 PROPOSED MOORING PONTOON**

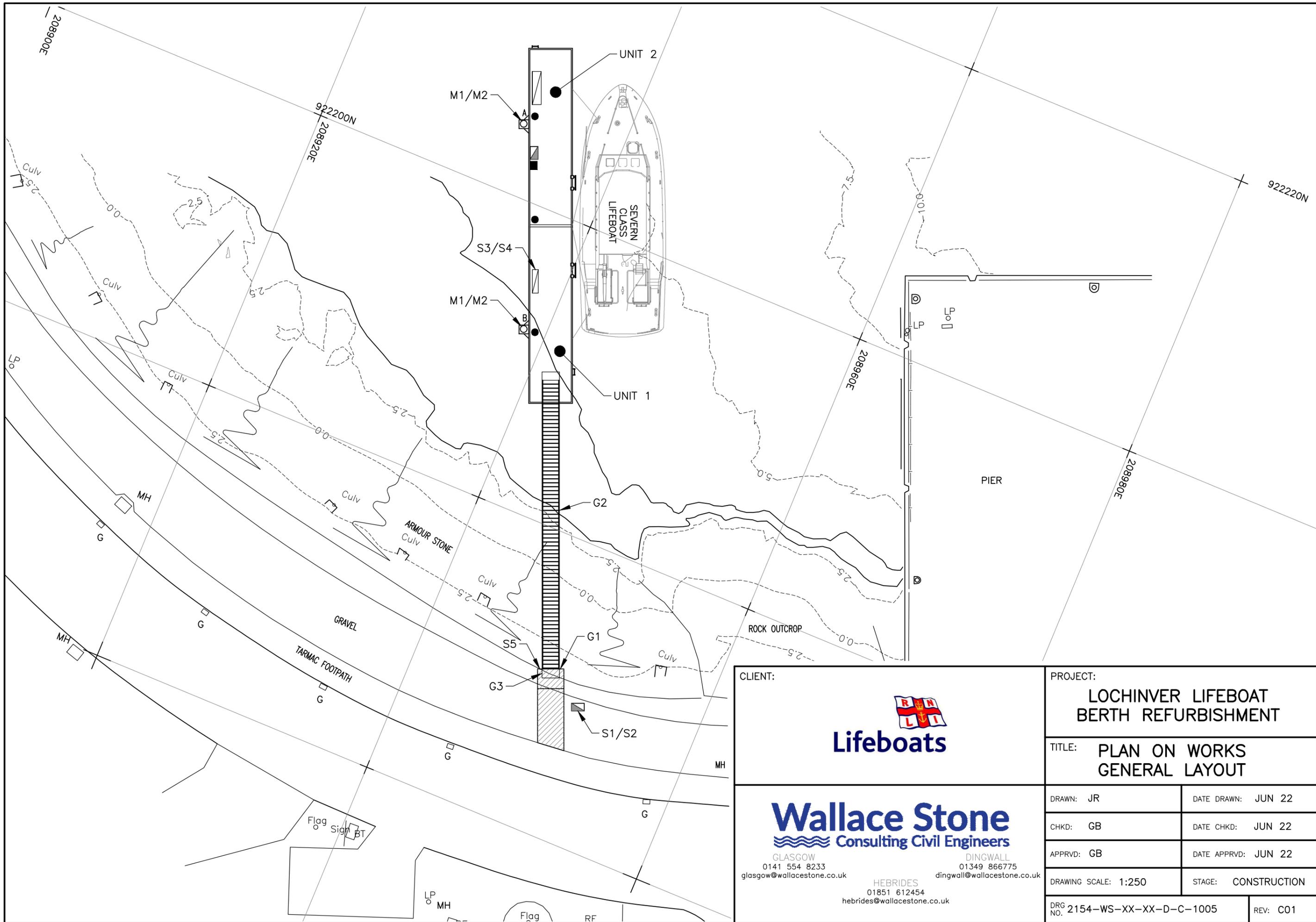
DRAWING TITLE
SITE & LOCATION PLANS

ARCH HENDERSON Chartered Civil Structural Engineer
 Registered Architect Surveyor
 9 Victoria Street Kirkwall KW15 1DN
 T 01856 871070 F 01856 871030

Plot of - Princess Street, Thorne Dundee DD2 7SD
 Prospect Business Centre, Gairloch Crescent Dundee DD2 7Y
 28 Riddell Avenue, Aberdeen AB 9E
 Blair Court, Oban, Oban G8 3JA

DESIGNED BY R.J.L.	CHECKED BY J.D.C.	APPROVED BY J.D. CLARKE	DATE MAY 2001
SCALE 1:100		DRAWING No 1K 00454-02	

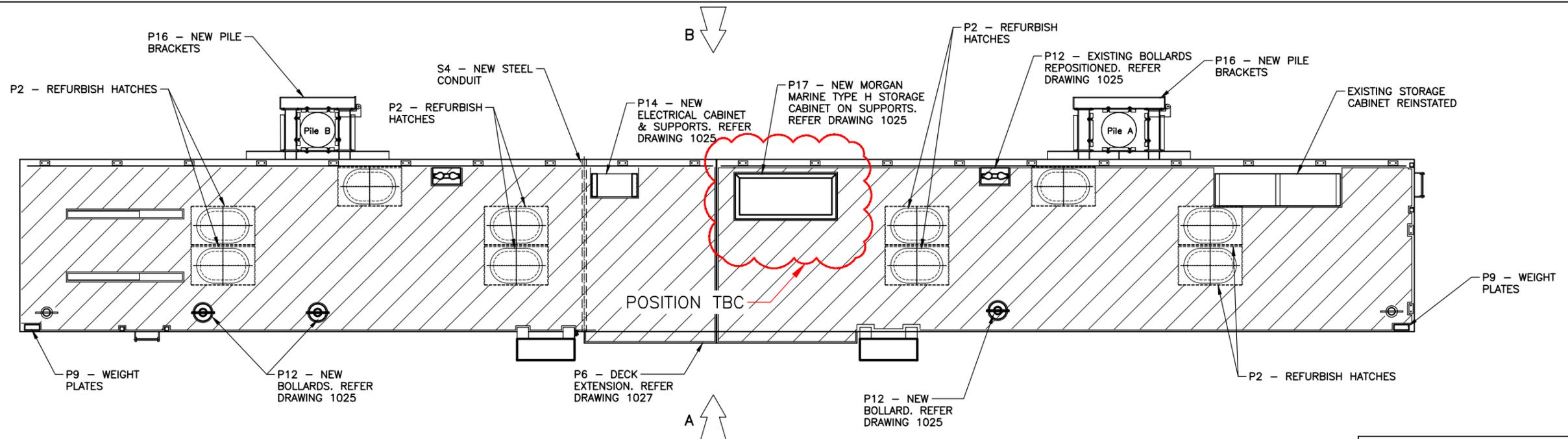




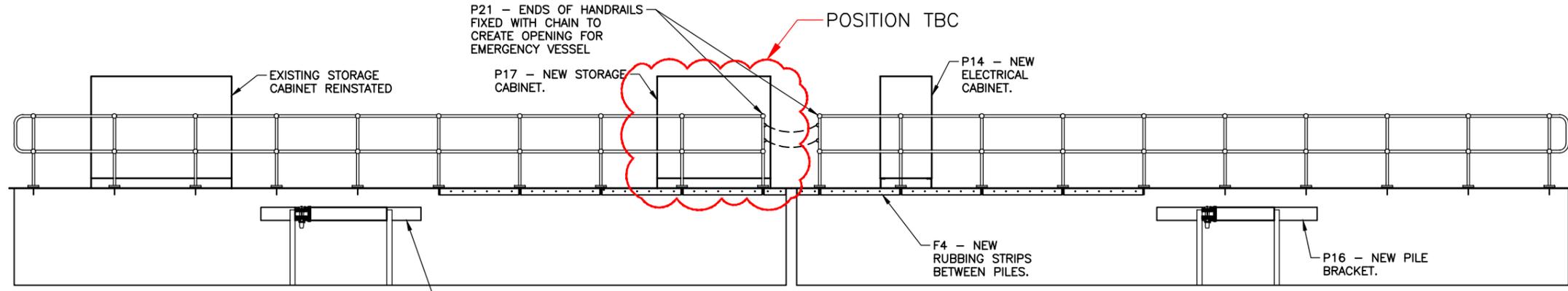
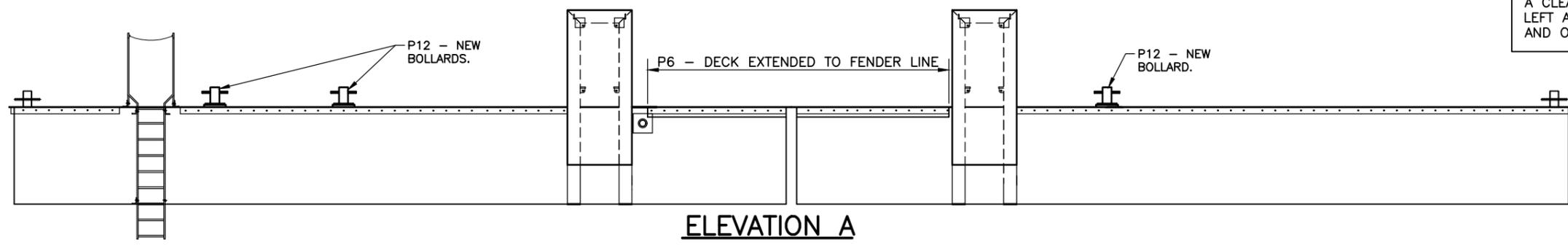
CLIENT:		PROJECT:	
		LOCHINVER LIFEBOAT BERTH REFURBISHMENT	
		TITLE: PLAN ON WORKS GENERAL LAYOUT	
DRAWN: JR		DATE DRAWN: JUN 22	
CHKD: GB		DATE CHKD: JUN 22	
APPRVD: GB		DATE APPRVD: JUN 22	
DRAWING SCALE: 1:250		STAGE: CONSTRUCTION	
DRG NO. 2154-WS-XX-XX-D-C-1005		REV: C01	

Wallace Stone
 Consulting Civil Engineers

GLASGOW 0141 554 8233 glasgow@wallacestone.co.uk
 DINGWALL 01349 866775 dingwall@wallacestone.co.uk
 HEBRIDES 01851 612454 hebrides@wallacestone.co.uk



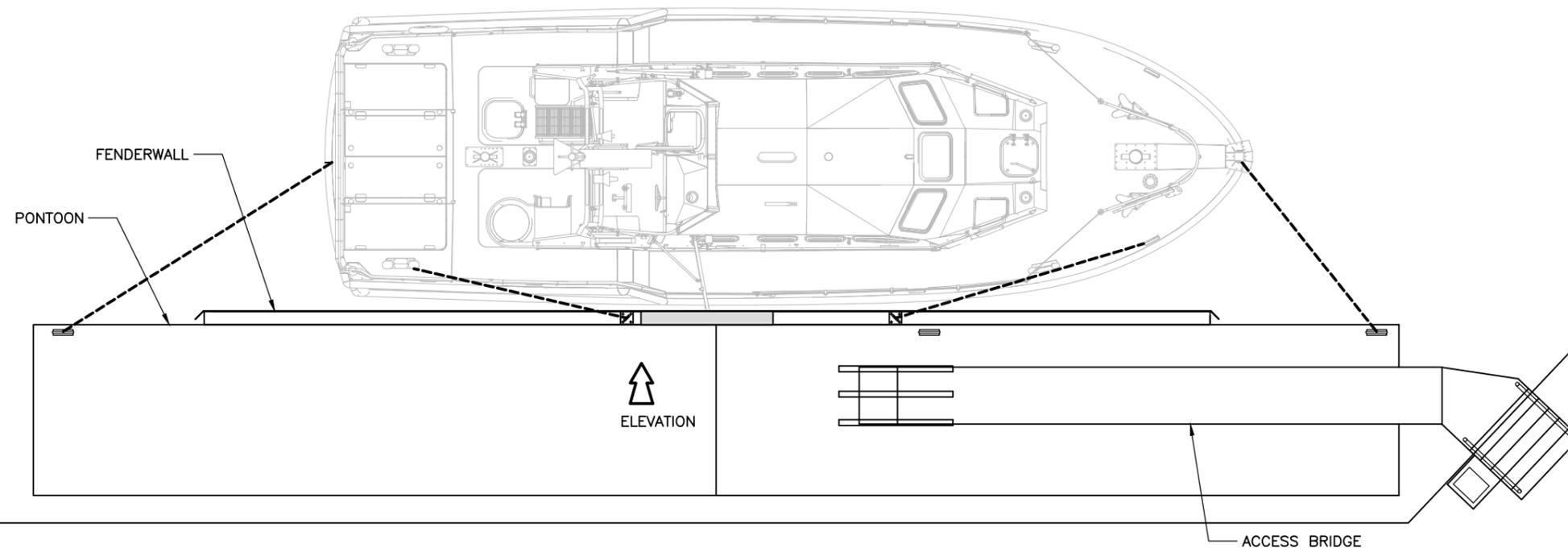
A CLEAR BAND OF 25mm MINIMUM TO BE LEFT AROUND ALL EDGES, HATCHES, CLEATS AND OTHER DECK FITTINGS



CLIENT:		PROJECT:	
		LOCHINVER LIFEBOAT BERTH REFURBISHMENT	
		TITLE: PLAN SHOWING FINISHED PONTOON ARRANGEMENT	
DRAWN: JR	DATE DRAWN: JUN 22	CHKD: GB	DATE CHKD: JUN 22
APPRVD: GB	DATE APPRVD: JUN 22	DRAWING SCALE: AS SHOWN	STAGE: CONSTRUCTION
 GLASGOW 0141 554 8233 glasgow@wallacestone.co.uk DINGWALL 01349 866775 dingwall@wallacestone.co.uk HEBRIDES 01851 612454 hebrides@wallacestone.co.uk		DRG NO. 2154-WS-XX-XX-D-C-1016 REV: C01	

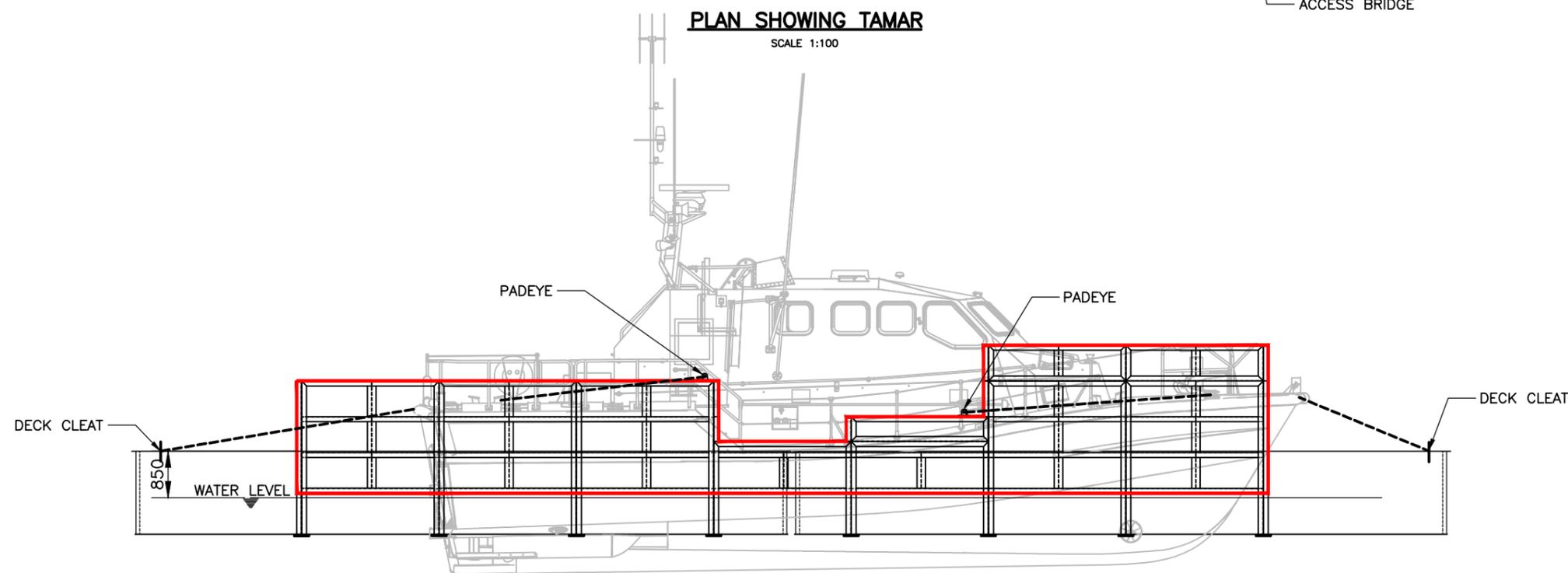
NOTES

1. ALL DIMENSIONS IN MILLIMETRES U.N.O.



PLAN SHOWING TAMAR

SCALE 1:100



**ELEVATION ON BACK FACE OF FENDERWALL STEELWORK
TO ACCOMMODATE TAMAR CLASS LIFEBOAT**

SCALE 1:100

CLIENT:



PROJECT:

**LONGHOPE LIFEBOAT BERTH
REFURBISHMENT**

TITLE: **FENDER WALL
GENERAL ARRANGEMENT**

**Wallace
Stone**
CONSULTING CIVIL ENGINEERS

HEBRIDES
01851 612454
hebrides@wallacestone.co.uk

GLASGOW
0141 554 8233
glasgow@wallacestone.co.uk

DINGWALL
01349 866775
dingwall@wallacestone.co.uk

DRAWN: JR

DATE DRAWN: MAR 18

CHKD: GB

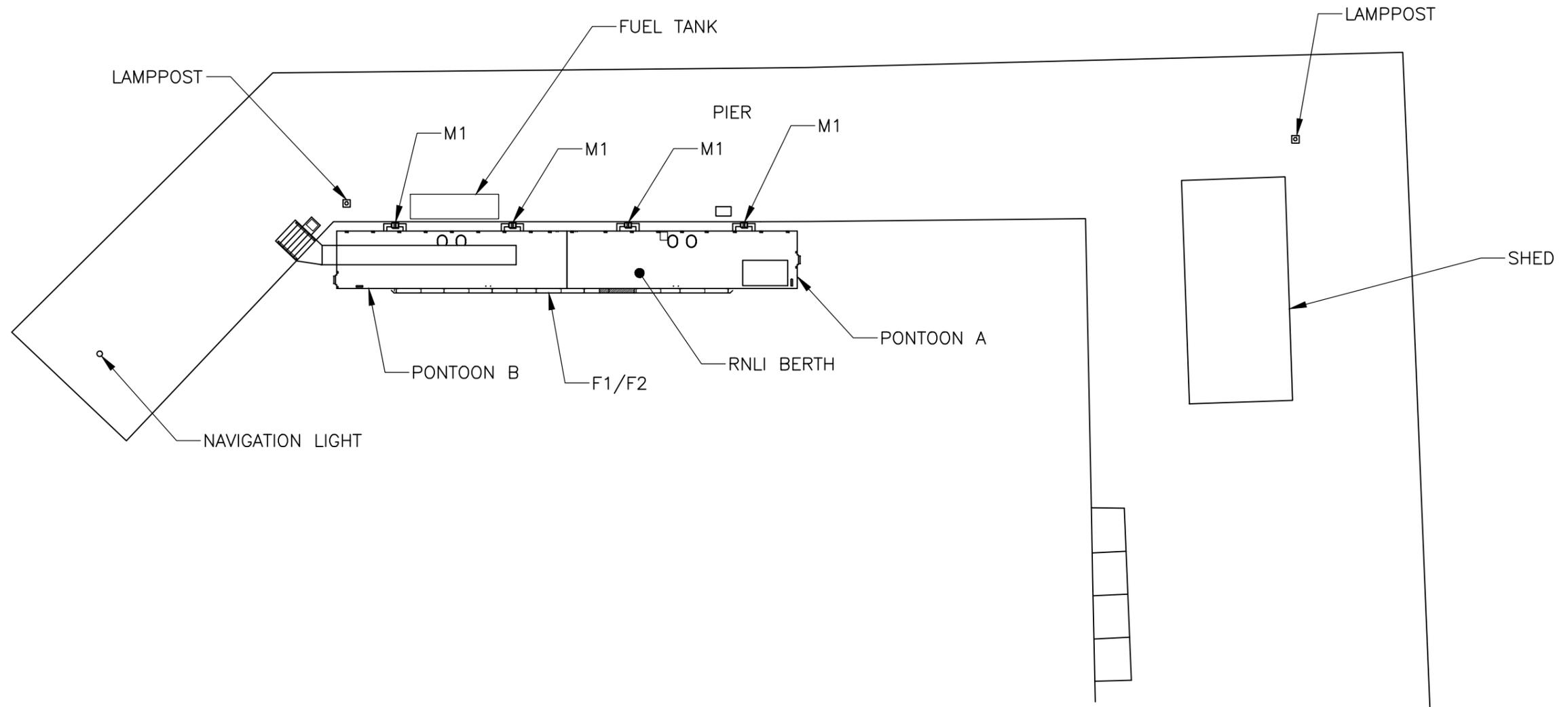
DATE CHKD: SEP 18

APPRVD: GB

DATE APPRVD: SEP 18

DRG NO. 2089/114R

SCALE (A3): 1:100



CLIENT:



PROJECT:

**LONGHOPE LIFEBOAT BERTH
REFURBISHMENT**

TITLE: **PLAN OF WORKS
GENERAL LAYOUT**



HEBRIDES
01851 612454
hebrides@wallacestone.co.uk

GLASGOW
0141 554 8233
glasgow@wallacestone.co.uk

DINGWALL
01349 866775
dingwall@wallacestone.co.uk

DRAWN: JR

DATE DRAWN: MAR 18

CHKD: GB

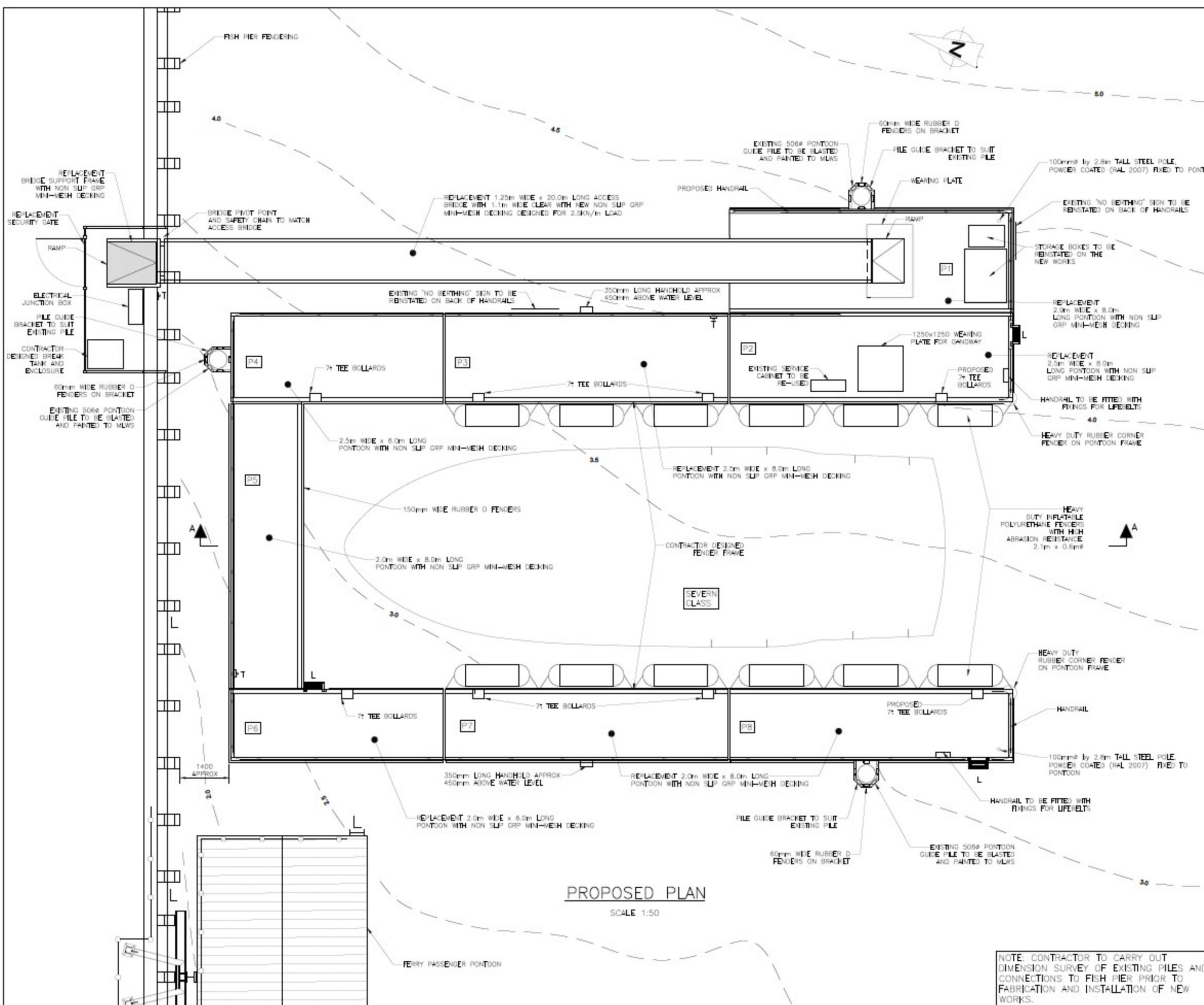
DATE CHKD: SEP 18

APPRVD: GB

DATE APPRVD: SEP 18

DRG NO. 2070/105R

SCALE (A3): 1:250



- GENERAL NOTES**
- ALL LEVELS ARE IN METRES AND RELATE TO CHART DATUM.
 - ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
 - TIDE LEVELS ARE AS FOLLOWS
 HAT +5.0mCD
 MHWS +5.0mCD
 MLWS +0.8mCD
 LAT 0.0mCD
 - CHART DATUM IS 2.62m BELOW ORDNANCE DATUM.
 - FOR SECTION A-A REFER TO DRAWING MLPR-WS2233-XX-00-DR-C-0103
 - LOADING RESTRICTIONS -
 MAX UDL = 15 KN/m² ON FISH PIER AND BREAST WHARF. ALL CRANE OUTGERS TO USE SPREADERS AS DIRECTED.
 - ACCESS TO PEDESTRIAN FERRY BEITH AND LOWAT SLIPWAY TO REMAIN OPEN THROUGHOUT THE WORKS.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE PONTOONS, ACCESS BRIDGE AND ALL OTHER EQUIPMENT, SERVICE CONNECTIONS, WELDING SUPPORT FRAME, SECURITY GATE, FENDER FRAMES, BREAK TANK AND FILE GUIDE BRACKETS.
 - ALL EXTERNAL FACES OF PONTOON FRAMES TO HAVE 50mm THICK HARDWOOD FENDERS, UNLESS NOTED OTHERWISE.
 - JOINTS
 SOLID JOINTS BETWEEN P1 AND P2
 HINGED JOINTS BETWEEN P2, P3 AND P4
 RUBBER JOINTS BETWEEN P4, P5 AND P6
 HINGED JOINTS BETWEEN P6, P7 AND P8.

LEGEND

L = LADDER
 T = TAP
 P# = PONTOON NUMBER

NO	DATE	REVISION	BY	RD	GB
01	NOV 21	RECORD ISSUE	AB	RD	GB

AMENDMENTS

LET
ROYAL NATIONAL LIFEBOAT INSTITUTION

PROJECT
MALLAIG LIFEBOAT STATION PONTOON REPLACEMENT

Wallace Stone
 Consulting Civil Engineers

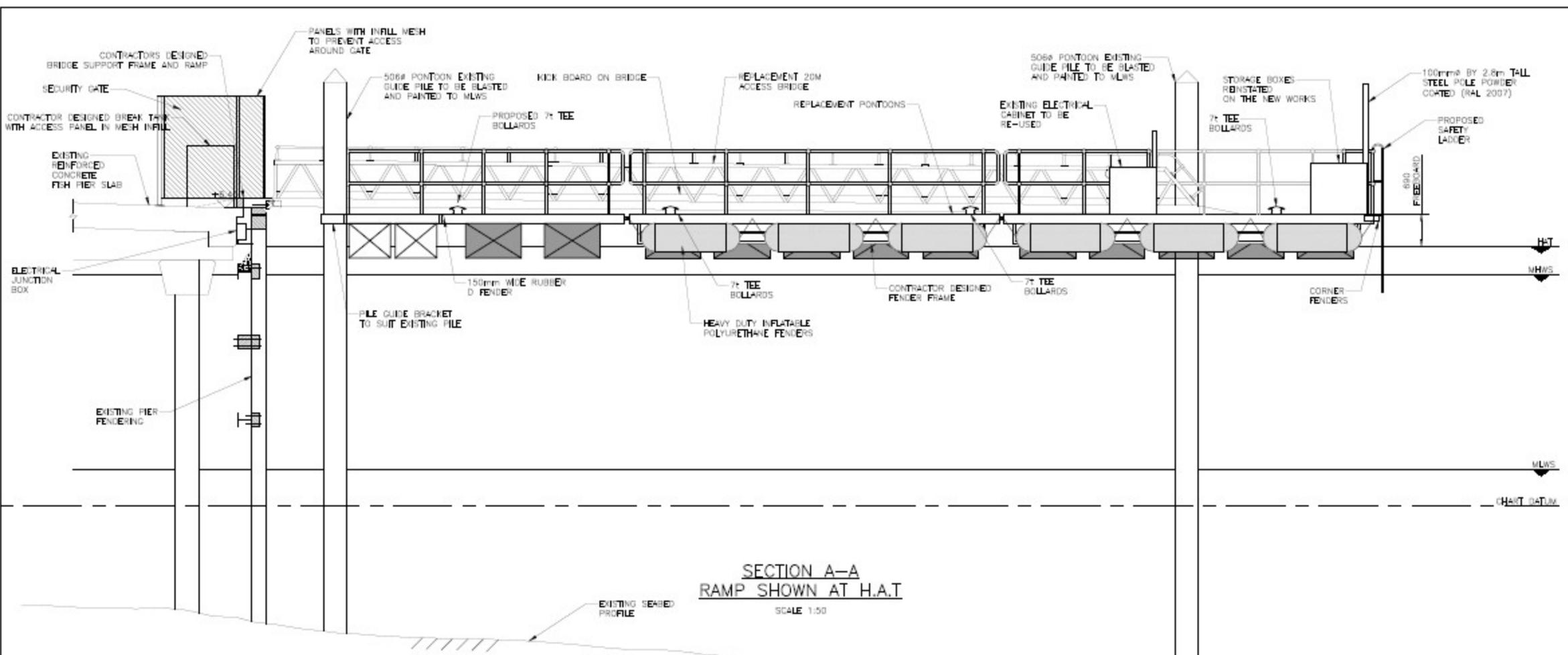
GLASGOW 0141 254 8233 glasgow@wallacestone.co.uk
 DUNDEE 01392 862775 dundee@wallacestone.co.uk
 HEBRIDES 01851 802220 hebrides@wallacestone.co.uk

DRAWING TITLE
PROPOSED GENERAL LAYOUT

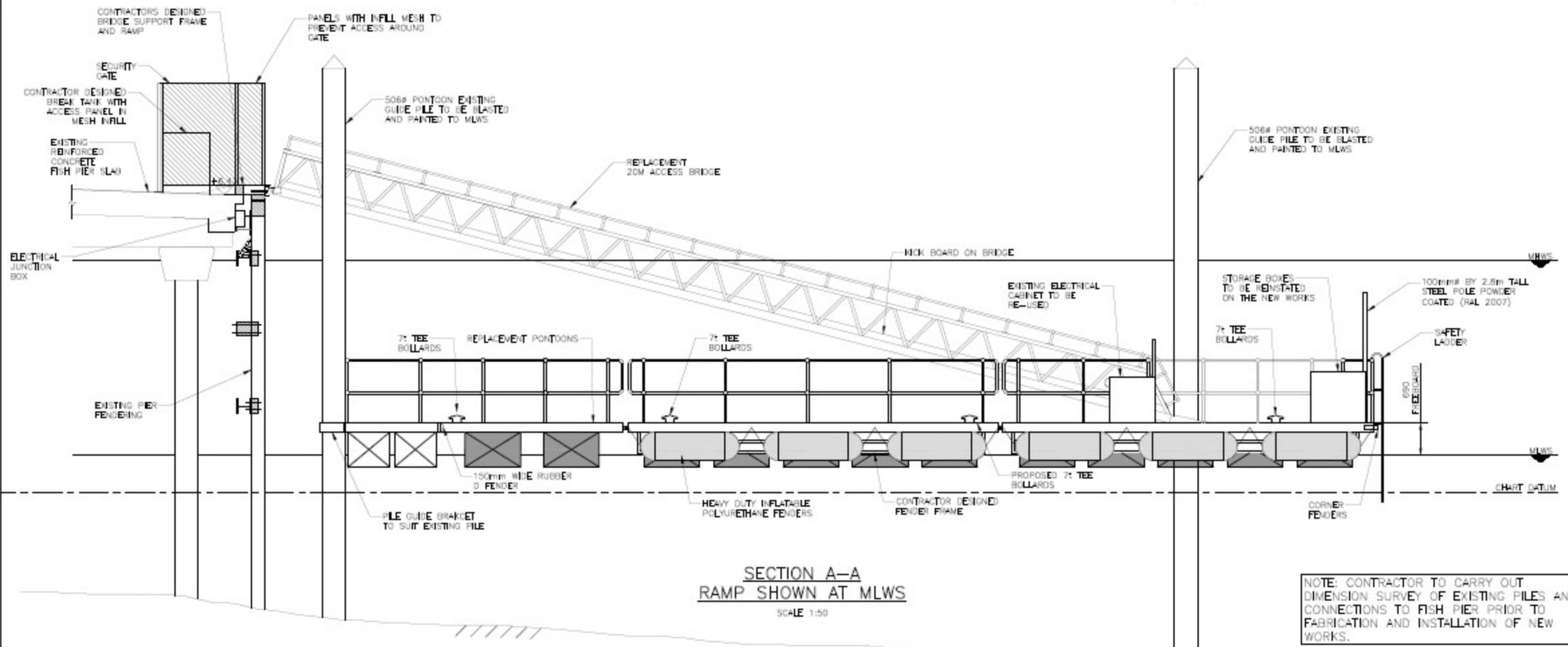
Drawn	REVIEWED	APPROVED
TC	RD	GB
DATE	DATE	DATE
AUG 20	SEP 20	SEP 20
SCALE	TITLE	NO
AS SHOWN	RECORD	R01

DRAWING No.
MLPR-WS2233-XX-00-DR-C-0102

NOTE: CONTRACTOR TO CARRY OUT DIMENSION SURVEY OF EXISTING PILES AND CONNECTIONS TO FISH PIER PRIOR TO FABRICATION AND INSTALLATION OF NEW WORKS.



SECTION A-A
RAMP SHOWN AT H.A.T.
SCALE 1:50



SECTION A-A
RAMP SHOWN AT MLWS
SCALE 1:50

NOTE: CONTRACTOR TO CARRY OUT DIMENSION SURVEY OF EXISTING PILES AND CONNECTIONS TO FISH PIER PRIOR TO FABRICATION AND INSTALLATION OF NEW WORKS.

GENERAL NOTES

- ALL LEVELS ARE IN METRES AND RELATE TO CHART DATUM.
- ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
- THE LEVELS ARE AS FOLLOWS

HAT	+5.6mCD
MHWS	+5.0mCD
MLWS	+0.6mCD
LAT	0.0mCD
- CHART DATUM IS 2.62m BELOW ORDNANCE DATUM.
- FOR PONTOON GENERAL LAYOUT REFER TO DRAWING MLPR-WS2233-XX-00-OR-C-0102
- LOADING RESTRICTIONS - MAX UDL = 15 KN/M² ON FISH PIER AND BREAST WHARF. ALL CRANE OUTRIGGERS TO USE SPREADERS AS DIRECTED.
- ACCESS TO PEDESTRIAN FERRY BEITH AND LOWLY SLIPWAY TO REMAIN OPEN THROUGHOUT THE WORKS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE PONTOONS, ACCESS BRIDGE ANCHORAGE EQUIPMENT, SERVICE CONNECTIONS, SHORESIDE SUPPORT FRAME, SECURITY GATE, FENDER FRAMES, BREAK TANK AND PILE GUIDE BRACKETS.
- ALL EXTERNAL FACES OF PONTOON FRAMES TO HAVE 50MM THICK HARDWOOD FENDERS, UNLESS NOTED OTHERWISE.

REV	NOV 21	RECORD ISSUE	AS	RD	GB
DATE	DATE	DATE	DATE	DATE	DATE

AMENDMENTS

ROYAL NATIONAL LIFEBOAT INSTITUTION

MALLAIG LIFEBOAT STATION
PONTOON REPLACEMENT

Wallace Stone
Consulting Civil Engineers

GLASGOW 0141 254 8233
glasgow@wallacestone.co.uk

DUNDEE 01349 888775
dundee@wallacestone.co.uk

HEBRIDES 01851 400220
hebrides@wallacestone.co.uk

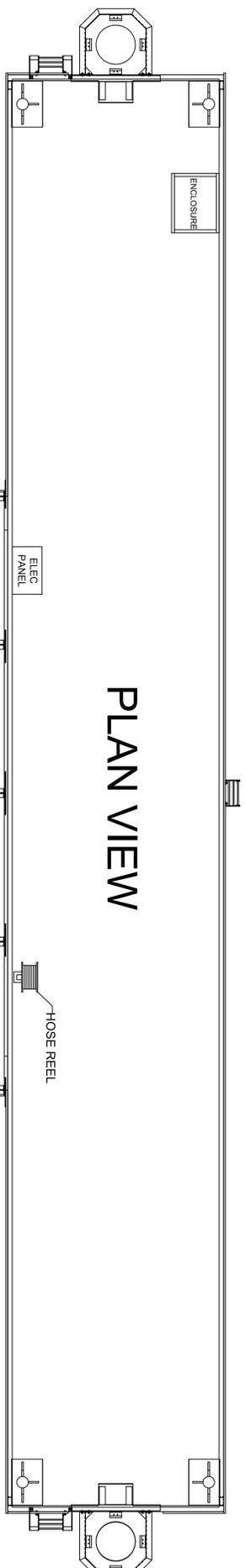
PROPOSED SECTIONS

DRAWN TO	HEHE RD	APPROVED BY
DATE	DATE	DATE
AUG 20	SEP 20	SEP 20
SCALE	DATE	DATE
AS SHOWN	RECORD	R01
DRAWING NO. MLPR-WS2233-XX-00-DR-C-0103		

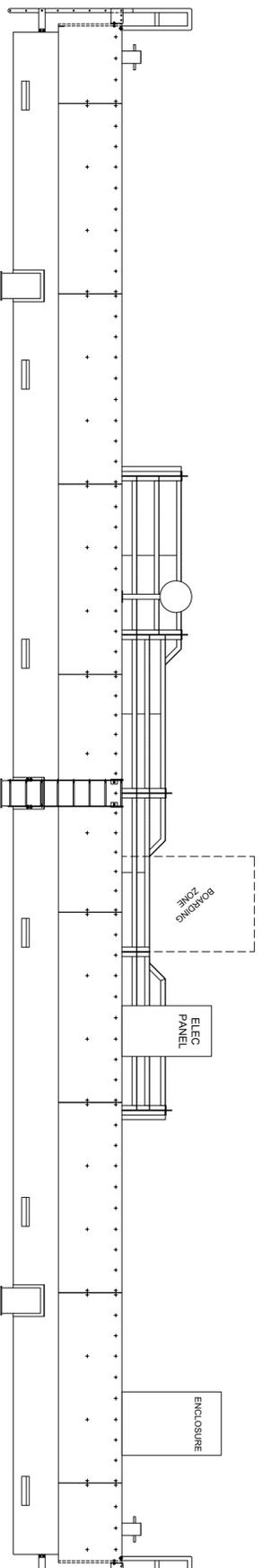
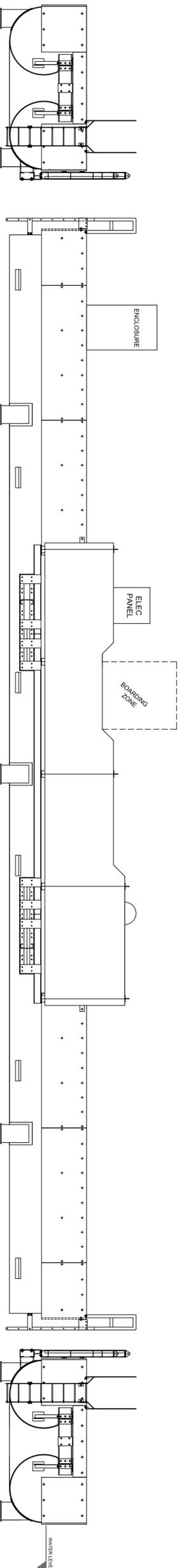
TAYLOR FUEL CONTROL

UNIT 4 NEW ENGLAND ESTATE
OFF PINDAR ROAD
HODDESDON
HERTS. EN11 0BZ
Tel: 01992 451101
Fax: 01992 444954
DO NOT SCALE
IF IN DOUBT ASK

NOTES:



PLAN VIEW



REAR VIEW

Rev

Rev	Description

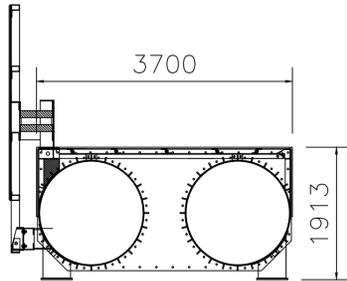
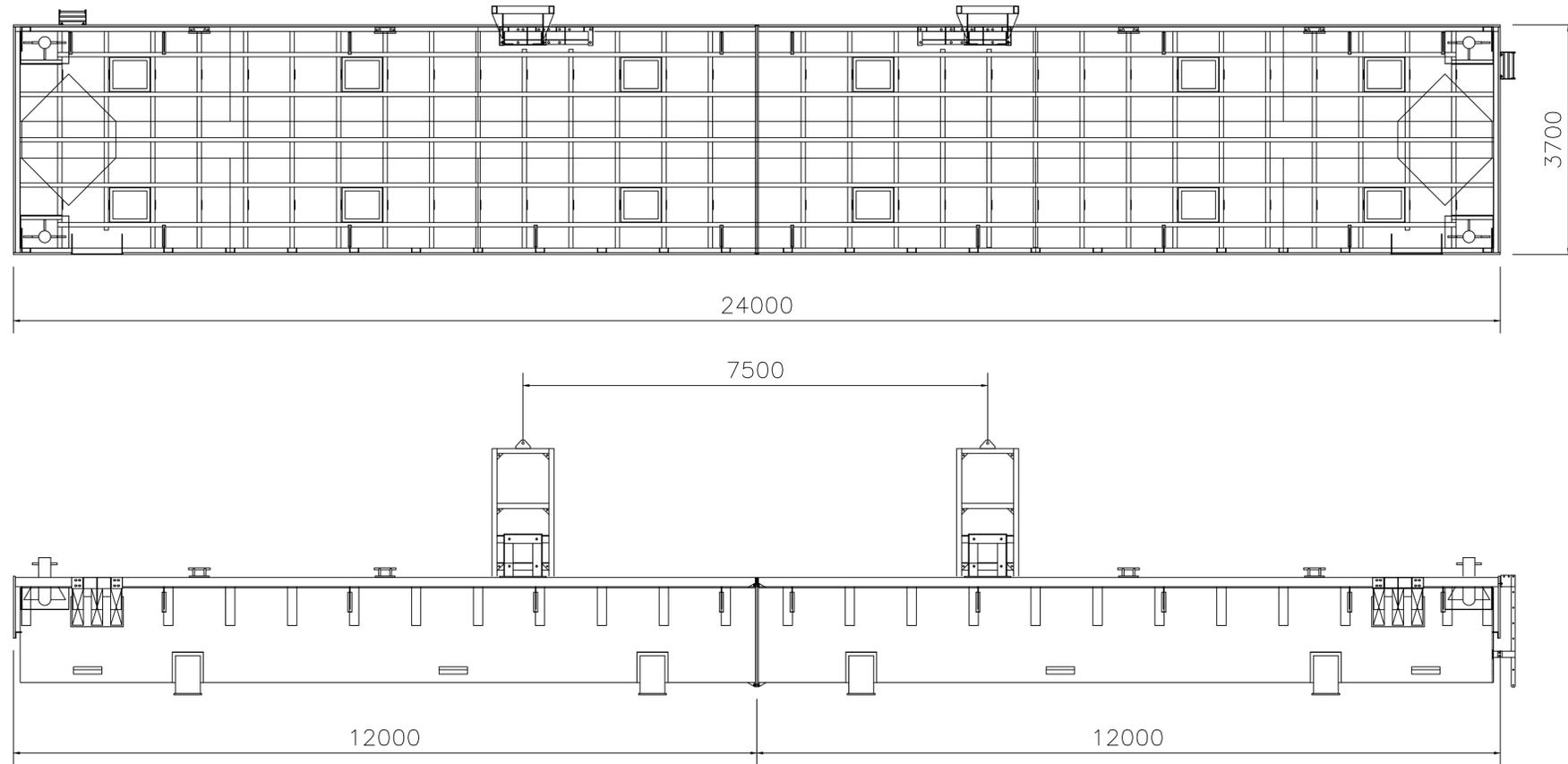
JOB: MONTROSE
CLIENT: R.N.L.I.

TITLE: WALL FENDER PONTOON

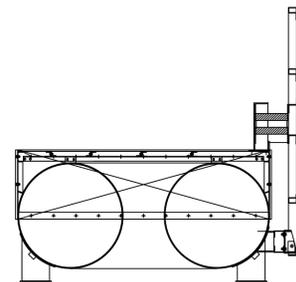
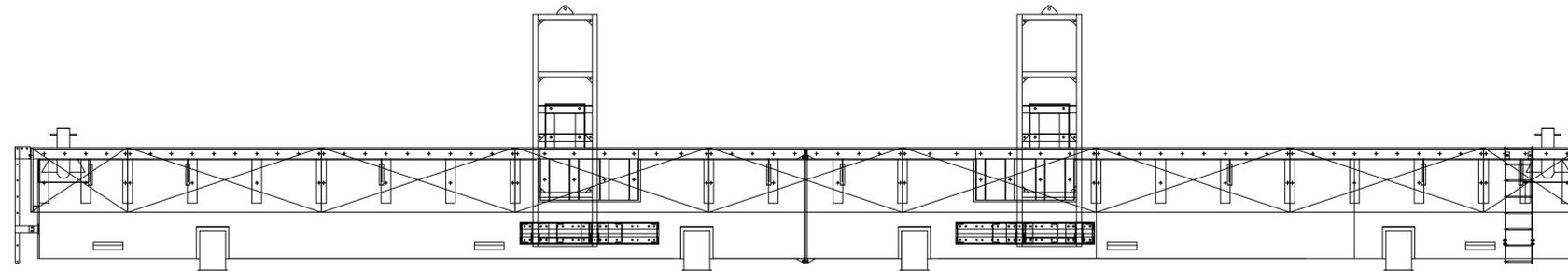
SCALE: 1:50 @ A1
Date: 14/12/10
Dwg No. 001
Drawn by: AH

NOTES:

PLAN VIEW OF PORTPATRICK PONTOON



REVERSE VIEW OF PORTPATRICK PONTOON



Rev	

JOB: PORTPATRICK
CLIENT: R.N.L.I.

TITLE:
G.A OF PONTOON

SCALE: 1:50 @ A1
Date: 24/06/11
Drg No. 001
Drawn by: A.H

A1

A B C D E F G H I J K L M N

1

2

3

4

5

6

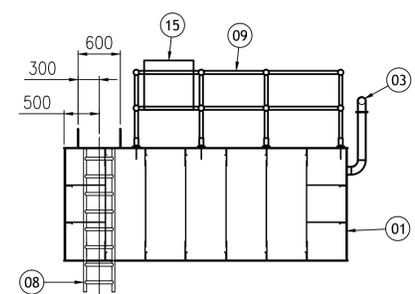
7

8

9

10

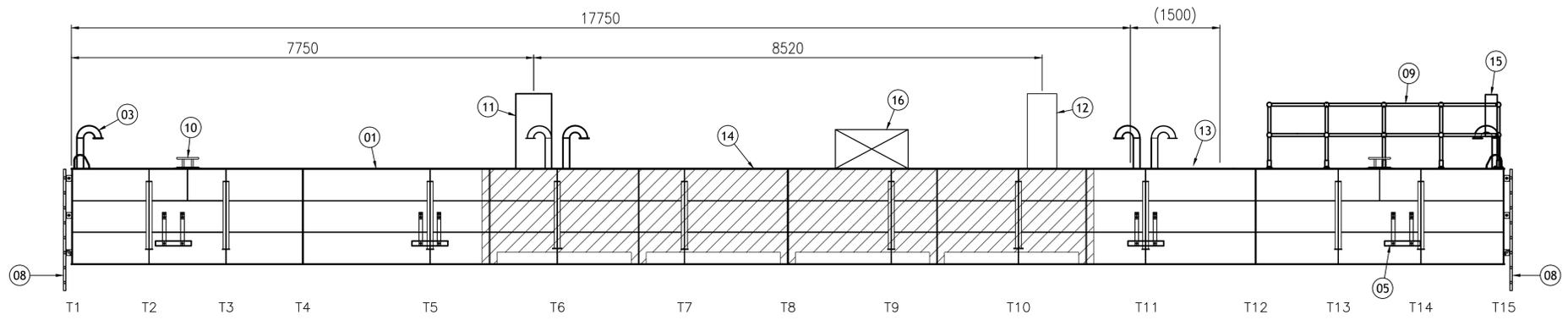
11



VIEW ON T15

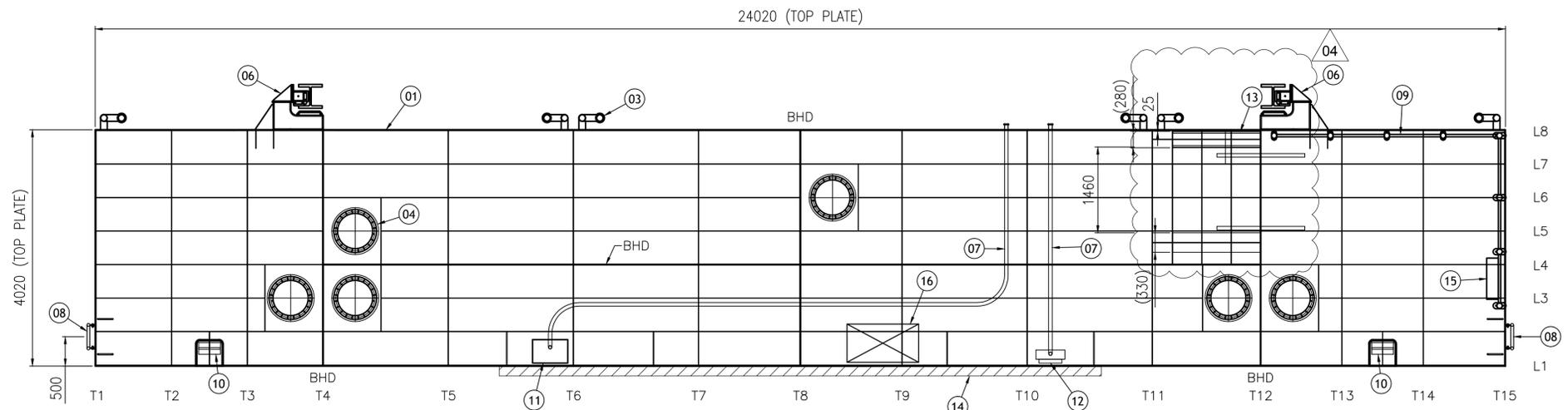
ITEM	No. OFF	DRAWING No.	MASS	DENOMINATION	REMARKS
01	1	225272-404, 405 & 406	24600 kg	PONTOON STEEL STRUCTURE	-
02	-	-	-	-	REMOVED - NOW ON DRG -409
03	1	225272-408	486 kg	AIR PIPE ARRANGEMENT	-
04	1	225272-409	678 kg	MANHOLE/LADDER ARRANGEMENT	-
05	1	225272-410	64 kg	CATHODIC PROTECTION ARRANGEMENT	-
06	1	225272-411	580 kg	CLAW ARRANGEMENT	-
07	1	225272-412	120 kg	PIPE DUCT ARRANGEMENT	-
08	2	225272-413	33 kg	EXTERNAL LADDER ASSEMBLY	-
09	1	225272-414	175 kg	HANDRAIL ASSEMBLY	-
10	2	225272-415	-	10T BOLLARD MOORING	-
11	1	-	-	ELECTRICAL CABINET	WORKS INFORMATION
12	1	-	-	WATER HOSE REEL	WORKS INFORMATION
13	1	225272-415	-	GANGWAY GUIDES	-
14	1	225272-402	-	FENDER WALL	-
15	1	-	-	LIFEBUOY	WORKS INFORMATION
16	1	-	-	STORAGE CHEST	WORKS INFORMATION

- NOTES:
- DO NOT SCALE THIS DRAWING.
 - ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALSO REFER TO DRAWINGS IN PARTS LIST.
 - WELDING: TO BE MINIMUM 4mm THROAT CONTINUOUS UNLESS STATED OTHERWISE.
* 6mm THROAT IN WAY OF 10 TO <10. UNLESS NOTED OTHERWISE.
* ALL BUTT WELDS FULL PENETRATION, WHERE BUTT WELD INDICATED ON DRAWING.
* RETURN ALL WELDS.
 - ENSURE ALIGNMENT OF ALL FITTINGS.
 - ALL BOLTS HOT DIP-GALVANISED TO 140µm TO ISO 10684:2004.



VIEW ON L1

NOTE:
FENDER WALL OMITTED ABOVE DECK LEVEL FOR CLARITY.



PLAN VIEW AT TOP DECK

04	25/06/14	JDR	JDR	DT
Issued for Construction, indicative gangway roller guide positions amended				
03	18/06/14	BA	JDR	DT
Issued for Construction				
02	13/02/14	BA	JDR	DT
Revised Tender issue, anodes updated to match drawing 225272-410 Issue 01				
01	27/01/14	BA	JDR	DT
Tender issue				
Issue	Date	By	Chkd	Appd

ARUP

13 Fitzroy Street
London W1T 4BQ
Tel +44(0)20 7636 1531 Fax +44(0)20 7580 3924
www.arup.com

Client
Royal National Lifeboat Institution

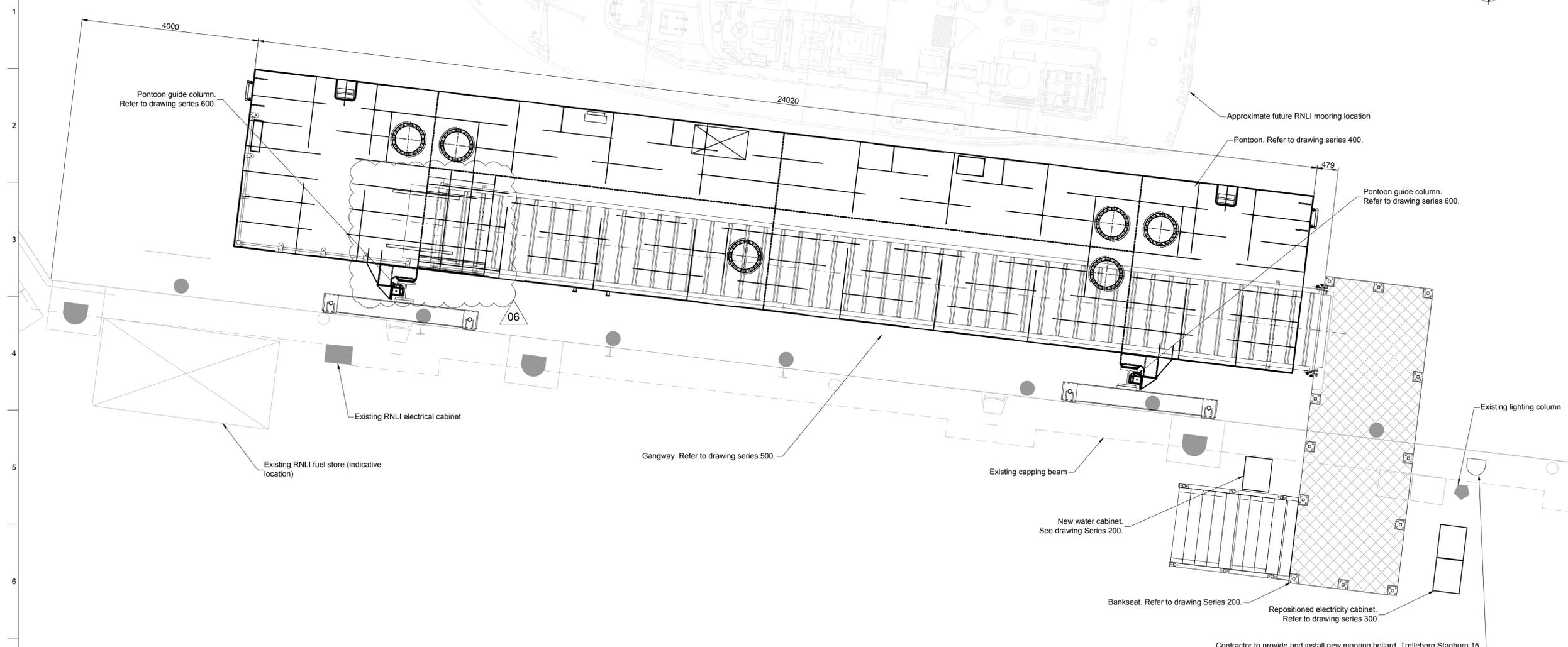
Job Title
RNLI Stromness

Pontoon Structural Main Assembly

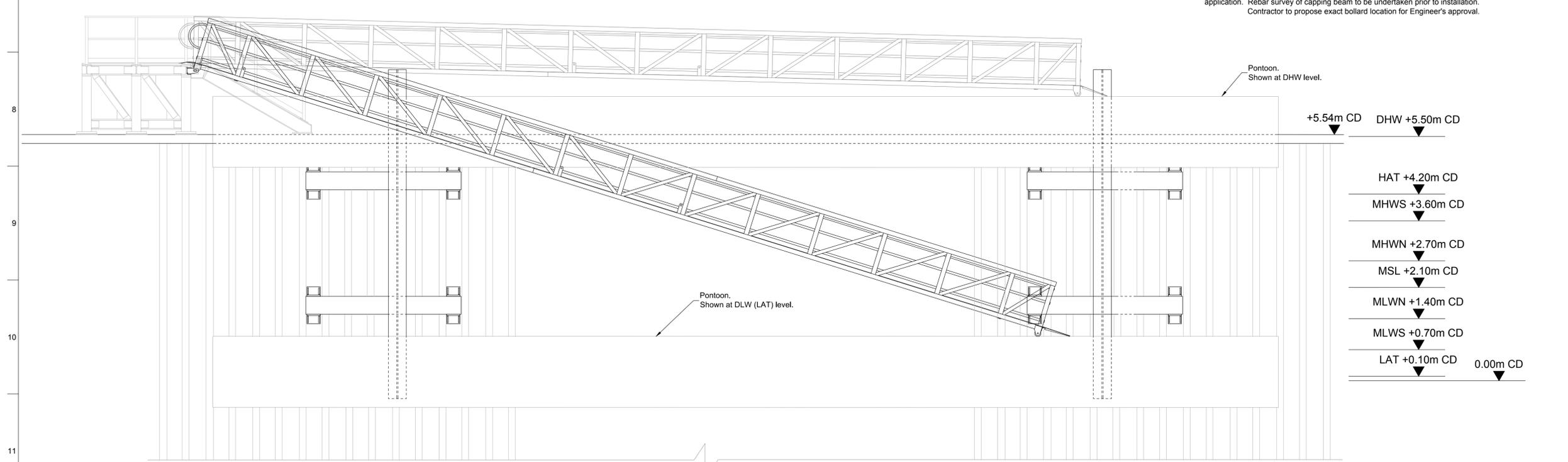
Scale at A1 As shown

Discipline Civil

Job No	225272-00	Drawing Status	Construction
Drawing No	225272-403	Issue	04



Plan



Elevation

- Notes**
1. Do not scale this drawing.
 2. All dimensions in millimetres unless noted otherwise.
 3. DHW = Design High Water level, DLW = Design Low Water Level
 4. All levels are relative to Admiralty Chart Datum, equivalent to -1.69m OD.

- Legend**
- Existing Mooring Bollard
 - Existing Vertical Cylindrical Fender
 - Existing Fender Support
 - Existing Recessed Ladder
 - Existing Lighting Column
 - Existing Large Electrical Feeder Pillar
 - Existing Small Electrical Feeder Pillar
 - Existing Water Cabinet
 - Existing Fuel store
 - Existing Navigation Light

06	25/06/14	JDR	JDR	DT
Issued for Construction, indicative gangway roller guide position amended				
05	18/06/14	BA	JDR	DT
Issued for Construction, items identified as existing, bollard requirement clarified				
04	22/04/14	JDR	JDR	DT
Mooring bollard added				
03	13/02/14	BA	JDR	DT
Revised Tender issue, pontoon guides updated				
02	27/01/14	JDR	JDR	DT
Tender issue				
01	23/01/14	BA	JDR	DT
Issue to Orkney Islands Council				
Issue	Date	By	Chkd	Appd

Contractor to provide and install new mooring bollard. Trelleborg Staghorn 15 tonne safe working load capacity or similar approved. Bollard to be anchored by 5 No. M24 anchors, fixed in holes drilled in existing capping beam. Anchors to be Grade 8.8 threaded bar hot dip galvanised to 140um (ISO 10864:2004). Embedment depth to be 500mm. Fosroc Lokfix S25 pourable polyester resin grout or similar approved. Holes to be 32mmØ, cleaned and dried prior to application. Rebar survey of capping beam to be undertaken prior to installation. Contractor to propose exact bollard location for Engineer's approval.

ARUP

13 Fitzroy Street
London W1T 4BQ
Tel +44(0)20 7636 1531 Fax +44(0)20 7580 3924
www.arup.com

Client
Royal National Lifeboat Institution

Job Title
RNLI Stromness

New Pontoon and Bridge General Arrangement

Scale at A1 1:50

Discipline Civil

Job No	225272-00	Drawing Status	Construction
Drawing No	225272-105	Issue	06

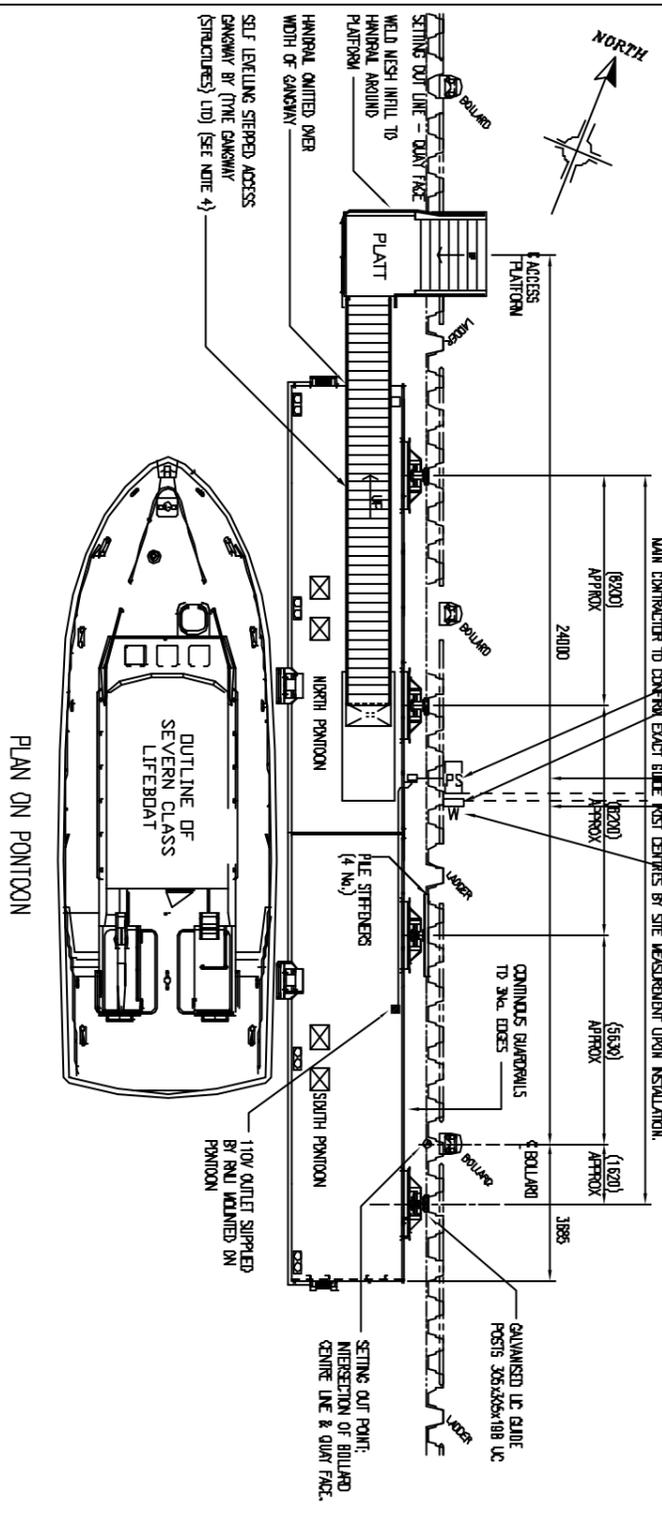


PROVIDE & INSTALL DRY MOUNTED WATER OUTLET TO MEETS REQUIREMENTS.
 240/110V STEP DOWN TRANSFORMER & CABINET SUPPLIED BY RLU

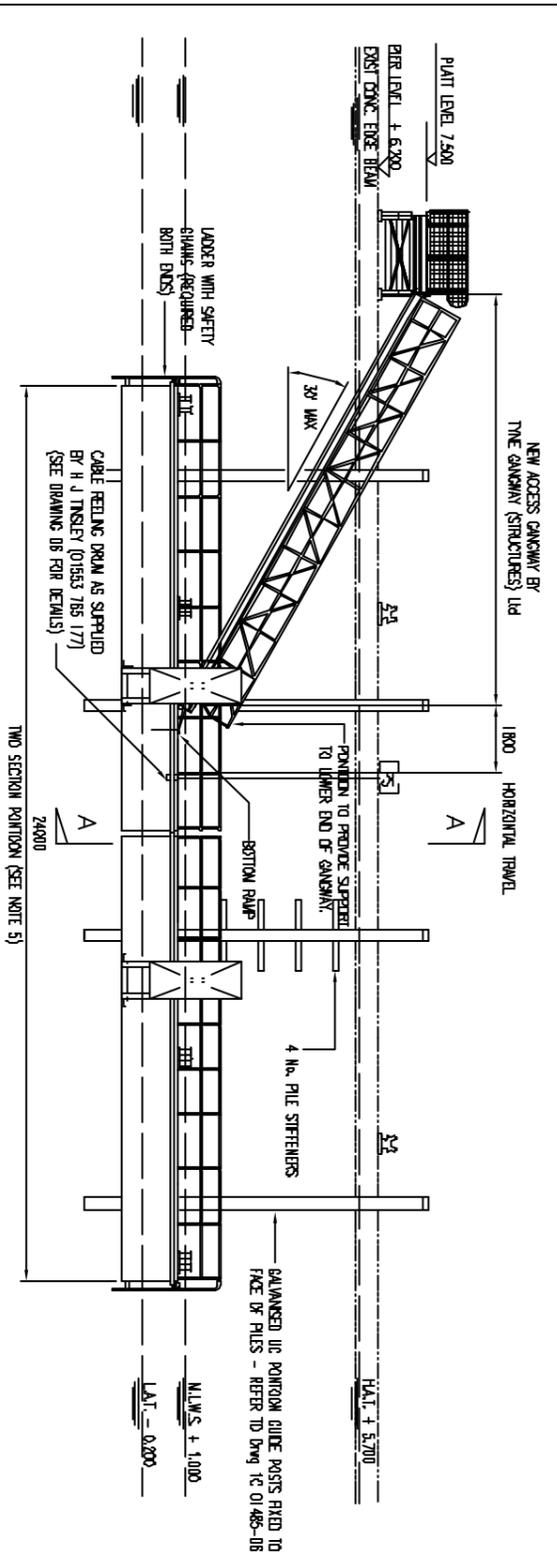
EXPLORE EXISTING 240V DCDCS DRAW THROUGH NEW 30 x 10mm PVC SWAYNE (T.B.C.) SUPPLY CABLE PROVIDE CONNECTION TO DISTRIBUTION BOARD IN RLU STATION SWITCH ROOM & NEW POWER OUTLET.
 DROPE EXISTING 300 AMP WATER SUPPLY (REFER TO 1001485-02) PROVIDE CONNECTION TO NEW WATER OUTLET.
 MAKE GOOD DECK SLAB TO MATCH EXISTING.

MAIN CONTRACTOR TO CONFIRM EXACT GUIDE POST CENTRES BY SITE MEASUREMENT UPON INSTALLATION.

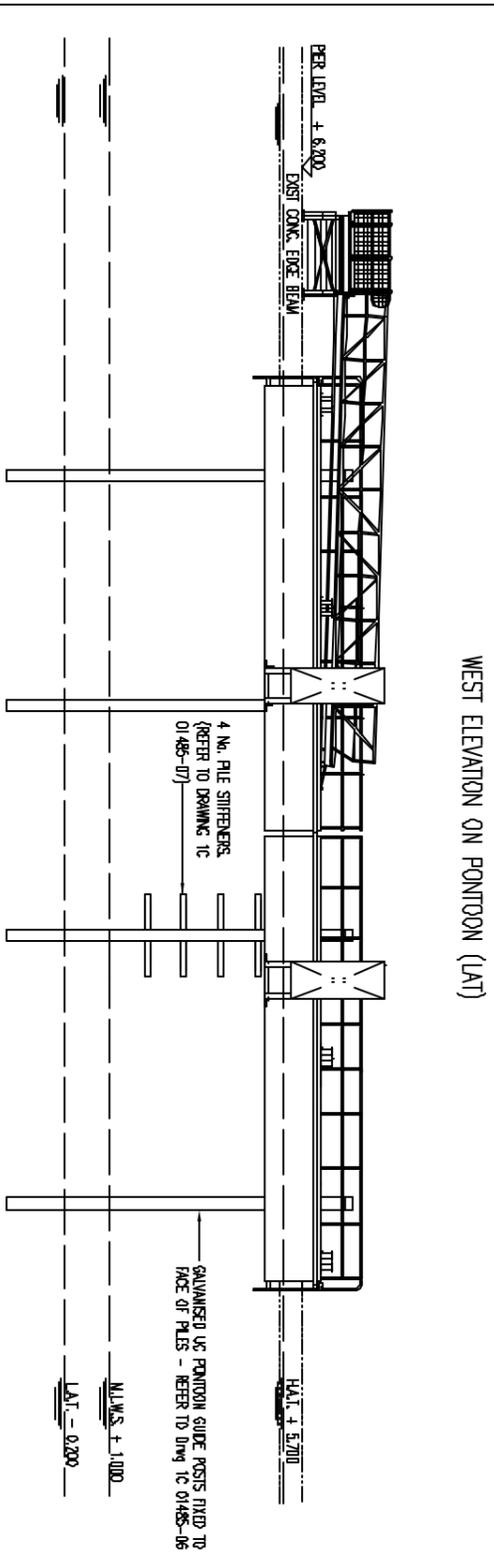
APPROX 18200
 APPROX 24000
 APPROX 18200
 APPROX 16200
 APPROX 13885



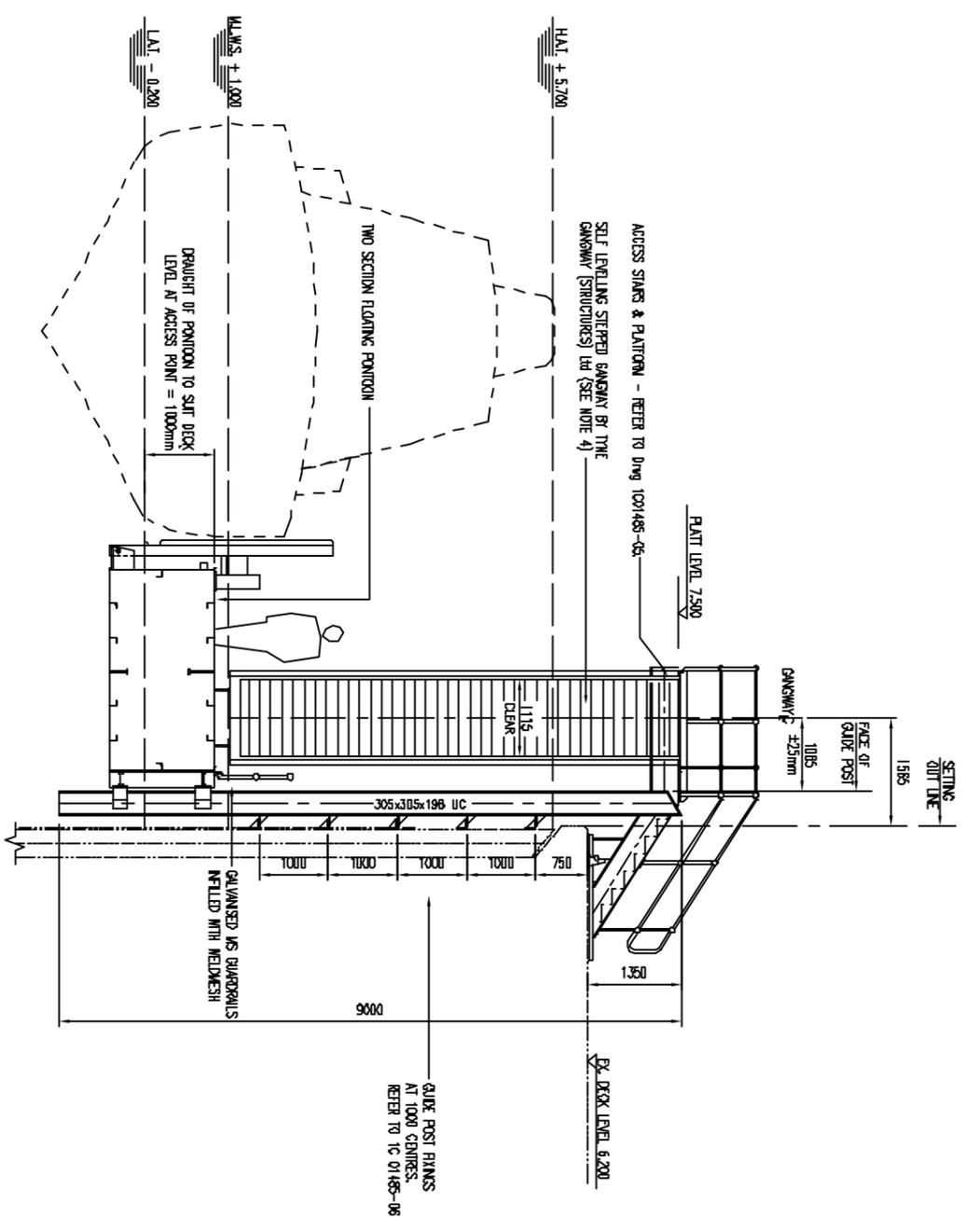
PLAN ON PONTOON



WEST ELEVATION ON PONTOON (LAT)



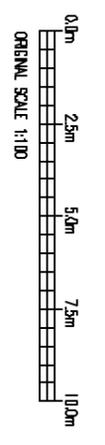
WEST ELEVATION ON PONTOON (HAT)



SECTION A - A
 SCALE 1:50

NOTES:

- REFER TO DRAWING 1C 01485-02 'SITE & LOCATION PLANS' FOR GENERAL NOTES & TIDAL DATA.
- CONTRACTOR TO CONTROL ALL LEVELS & DIMENSIONS BY SITE MEASUREMENT PRIOR TO FABRICATION.
- TREADS OF ACCESS STAIRS, PLATFORM & GANGWAY SUPPLIED SHALL BE FINISHED WITH 'GRIPFAST' NON-SLIP LAYER AS SUPPLIED BY POWINDEX LTD (TEL: 01225 333540). 'GRIPFAST' SHALL BE QUOTED & QUANTITIES SKETCHED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- SELF LEVELLING STEPPED GANGWAY SHALL BE 1150mm CLEAR WITH 40mm ALUMINIUM ALLOY CONSTRUCTION WITH HANDRAILS TO BOTH EDGES. THE GANGWAY SHALL BE JOINED AT THE TOP AND SHALL BE FREE TO ROLL ALONG THE PONTOON SURFACE AT THE BOTTOM. THE TREADS SHALL BE FINISHED WITH A NON-SLIP SURFACE AS 'GRIPFAST' (SEE NOTE 3). THE CONTRACTOR SHALL SUPPLY THE GANGWAY STRUCTURES LTD (TEL: 0191 292365) TO UNDERTAKE THE DESIGN AND FABRICATION OF THE GANGWAY. FULL DETAILS OF THE PROPOSED GANGWAY SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE GANGWAY.
- FLOATING PONTOON AND ALL ASSOCIATED PONTOON FITTINGS AND EQUIPMENT INCLUDING PONTOON GUIDES, HANDRAILS, FENDERS, ANCHOR PILES ETC. TO BE FABRICATED, FULLY ASSEMBLED AND DELIVERED TO SITE BY AVEED (TEL: 01462 224994) REFER TO DRAWINGS 1C 01485-08, 09, 10, 11 & 12 FOR DETAILS. TO BE INSTALLED ON SITE AND BLASTED BY CONTRACTOR.



No.	DATE	REVISION / ISSUE / PURPOSE	BY	CHKD
F	08/06/15	AS BUILT	P.S.	J.D.C.
E	08.01.04	EDGE FENDERS ADDED	W.J.M.	J.D.C.
D	03.12.03	ACCESS STAIRS & PLATFORM RE-POSITIONED	W.A.M.	J.D.C.

AMENDMENTS / ISSUES

ORIGINAL SIZE A1

THIS IS A CAD DRAWING DO NOT ASSEMB MANUALLY

PRODUCT TITLE:
THURSO LIFEBOAT STATION
PROPOSED MOORING PONTOON

DRAWING TITLE:
GENERAL ARRANGEMENT

SCALE: 1:100

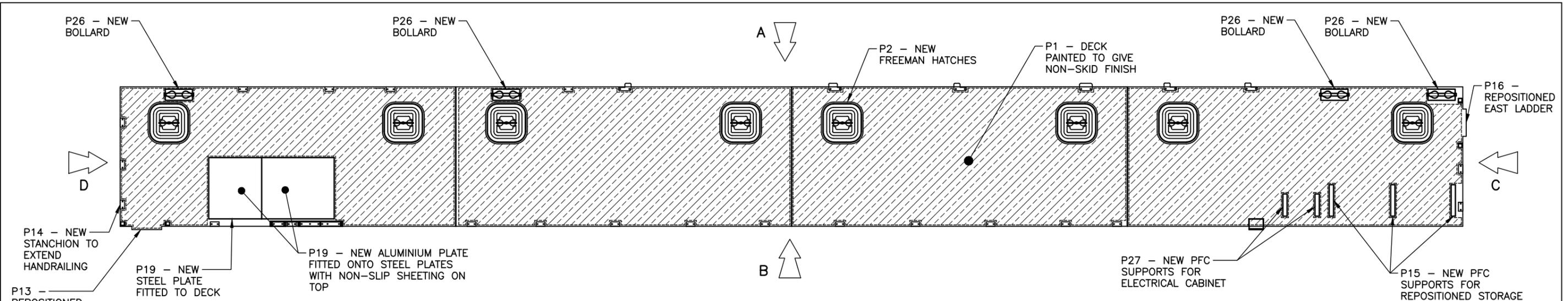
DATE: OCT 01

REV: F

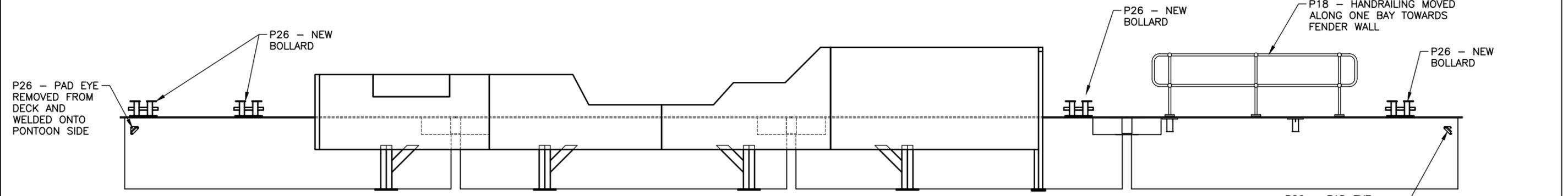
ARCH HENDERSON
 Chartered Civil and Structural Engineers
 Environmental and Architectural Services
 12 Prince Street, Thurso KW14 7BQ
 Tel: 01447 866096 Fax: 01447 863006

26 Riddiway Terrace,
 Dundee, Tayside, Dundee, DD2 7TY
 Tel: 01382 801141
 9 Victoria Street, Kinross,
 Fife, KY11 1JN
 Tel: 01563 855312

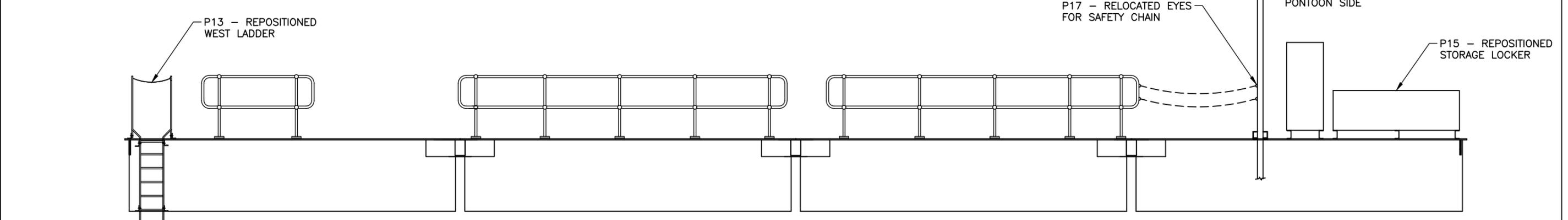
4 Blair Court, Gourock,
 Dumfries and Galloway, KA6 3JA
 Tel: 01447 871871



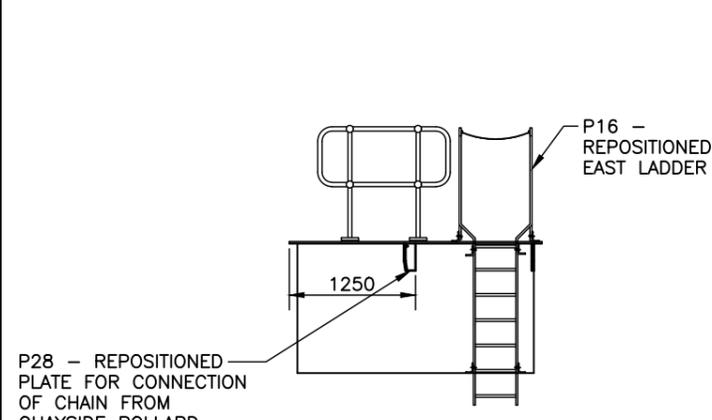
PLAN ON FINISHED PONTOON LAYOUT



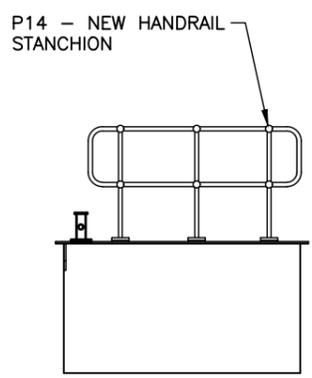
ELEVATION A



ELEVATION B



ELEVATION C

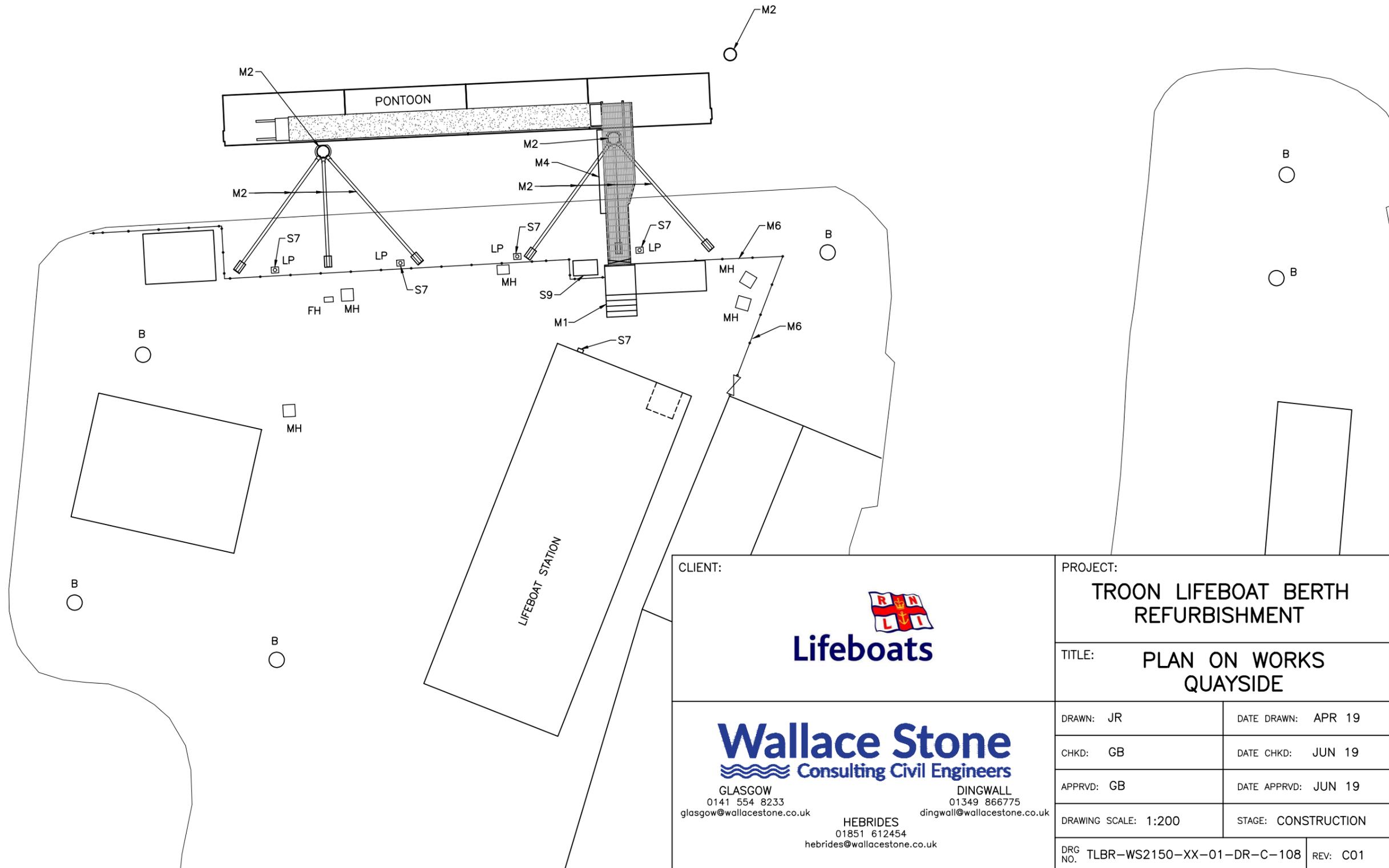


ELEVATION D

CLIENT:			PROJECT:	TROON LIFEBOAT BERTH REFURBISHMENT	
			TITLE:	FINISHED PONTOON LAYOUTS	
	GLASGOW 0141 554 8233 glasgow@wallacestone.co.uk	DINGWALL 01349 866775 dingwall@wallacestone.co.uk	DRAWN: JR	DATE DRAWN: APR 19	
	HEBRIDES 01851 612454 hebrides@wallacestone.co.uk		CHKD: GB	DATE CHKD: JUN 19	
			APPRVD: GB	DATE APPRVD: JUN 19	
			DRAWING SCALE: N.T.S	STAGE: CONSTRUCTION	
			DRG NO. TLBR-WS2150-XX-01-DR-C-121	REV: C01	

GENERAL NOTES:

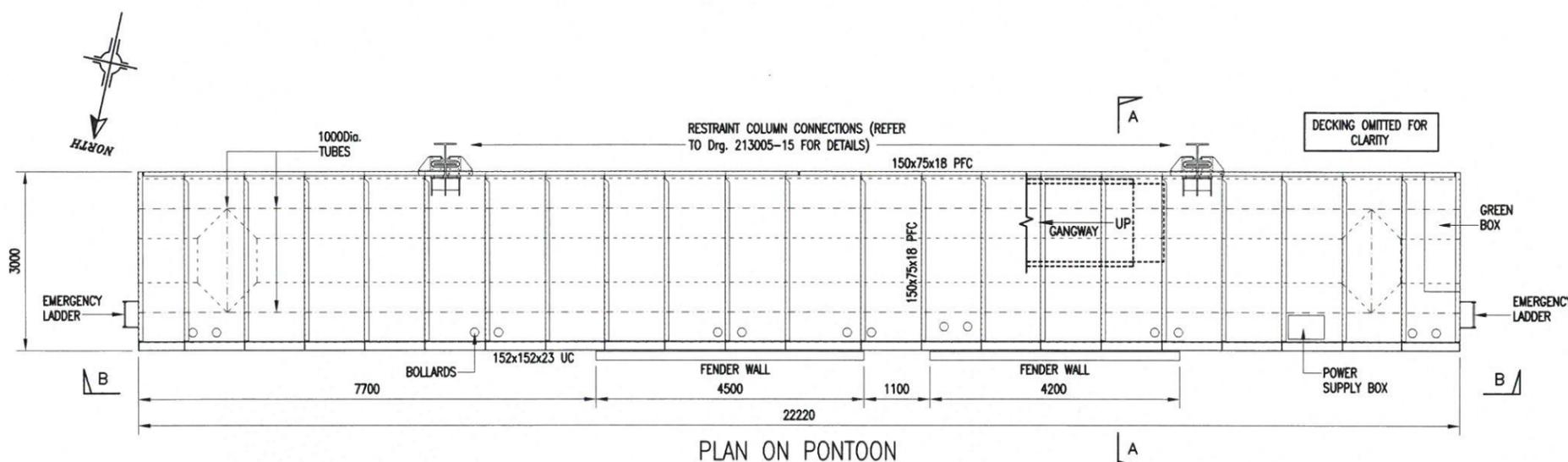
- FOR 'M' ITEMS REFER DRAWING TLBR-WS2150-XX-01-DR-C-119



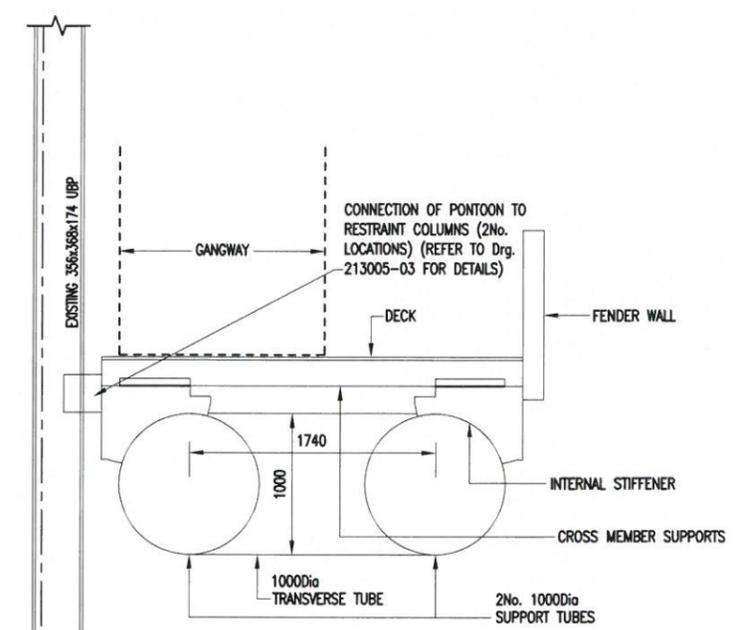
CLIENT:		PROJECT:	
		TROON LIFEBOAT BERTH REFURBISHMENT	
		TITLE: PLAN ON WORKS QUAYSIDE	
DRAWN: JR		DATE DRAWN: APR 19	
CHKD: GB		DATE CHKD: JUN 19	
APPRVD: GB		DATE APPRVD: JUN 19	
DRAWING SCALE: 1:200		STAGE: CONSTRUCTION	
DRG NO. TLBR-WS2150-XX-01-DR-C-108		REV: C01	

Wallace Stone
 Consulting Civil Engineers
 GLASGOW 0141 554 8233 glasgow@wallacestone.co.uk
 DINGWALL 01349 866775 dingwall@wallacestone.co.uk
 HEBRIDES 01851 612454 hebrides@wallacestone.co.uk

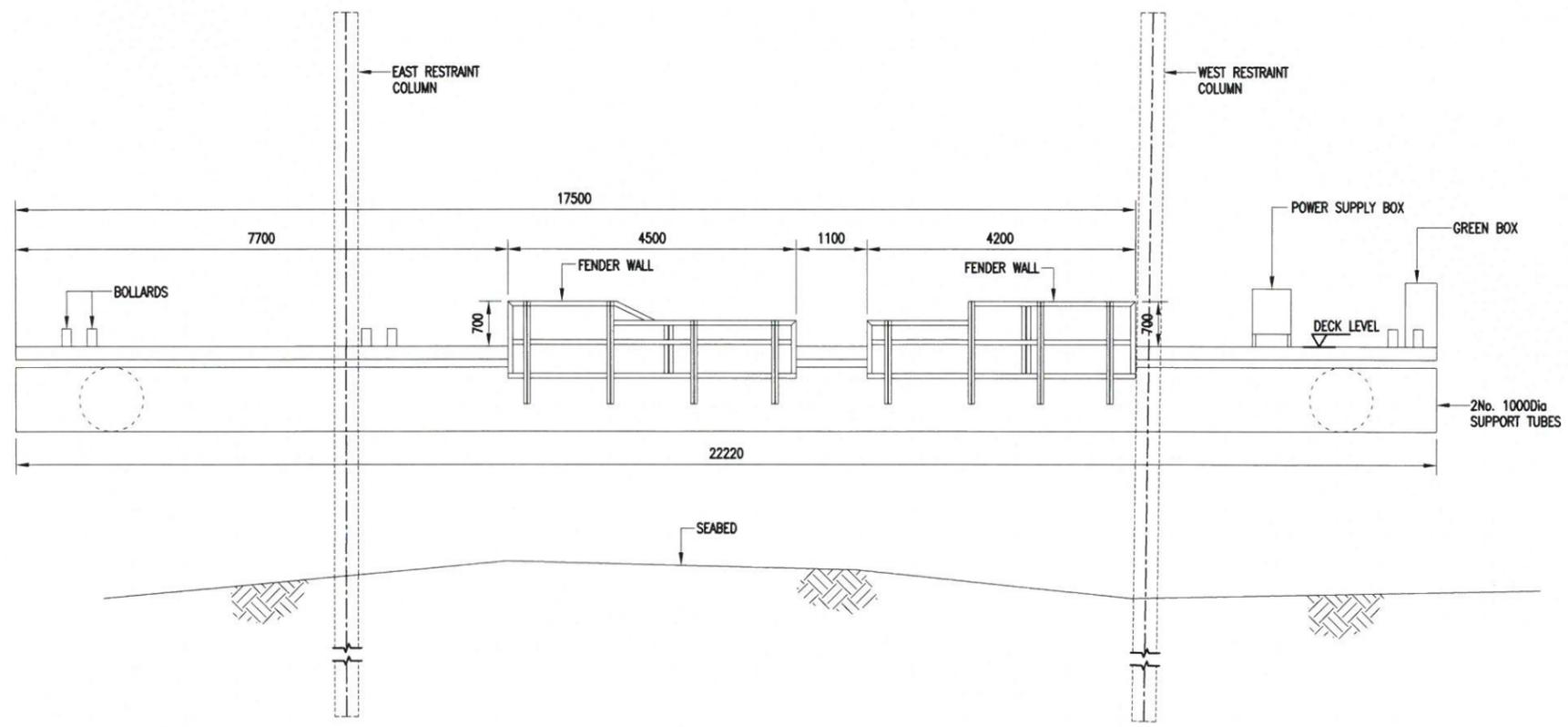
NOTES;
 1. FOR GENERAL NOTES REFER TO DRG. 3D213005-17.



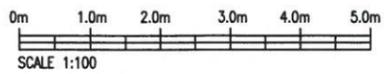
PLAN ON PONTOON



SECTION A-A
(SCALE 1:50)



ELEVATION B-B



2	14 04 2022	PROJECT TITLE UPDATED.	AC	-
1	04 04 2022	FIRST ISSUE.	AC	-
REV	DATE	REVISION	DRN	CHK

THIS DRAWING IS COPYRIGHT © DO NOT SCALE FROM THIS DRAWING.

Arch Henderson
 1919
 68 Princes Street, Thurso, KW14 7DH
 Tel: 01847 896996 - Fax: 01847 896997
 email: thurso@arch-henderson.co.uk
 Web: www.arch-henderson.co.uk

Civil Engineers Architects
 Structural Engineers CDM Co-ordinators
 Environmental services Geotechnical services
 Aberdeen Dundee Glasgow Lanark Inverness Stranraer Thurso

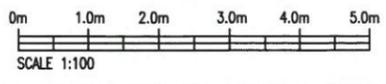
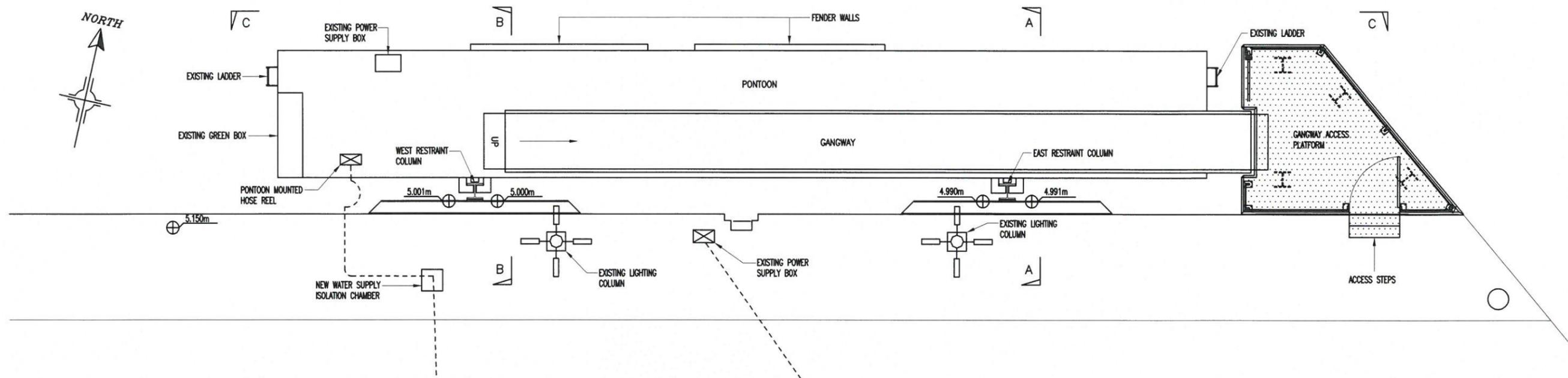
PROJECT:
 WICK LBS PONTOON BERTH
 REMEDIAL WORKS TO RESTRAINT GUIDES

TITLE:
 EXISTING LAYOUT
 PONTOON GENERAL ARRANGEMENT

DRAWN: AC	DATE: MAR 22	CHECKED:	AUTHORISED:
SCALE: (A3) 1:100	DRAWING STATUS: PRELIMINARY		

DO NOT SCALE DRAWING No: 3D213005-14 REV: 2

NOTES;
 1. FOR GENERAL NOTES REFER TO DRG. 3D213005-17.



2	14.04.2022	PROJECT TITLE UPDATED.	AC	-
1	04.04.2022	FIRST ISSUE	AC	-
REV	DATE	REVISION	DRN	CHK

THIS DRAWING IS COPYRIGHT DO NOT SCALE FROM THIS DRAWING

Arch Henderson
 1919
 68 Princes Street, Thurso, KW14 7DH
 Tel: 01847 866996 - Fax: 01847 866997
 email: thurso@arch-henderson.co.uk
 Web: www.arch-henderson.co.uk

Civil Engineers Structural Engineers Environmental Services
 Architects CDIM Co-ordinators Geotechnical Services
 Aberdeen Dundee Glasgow Lanark Inverness Strathpeffer Thurso

PROJECT:
 WICK LBS PONTOON BERTH
 REMEDIAL WORKS TO RESTRAINT GUIDES

TITLE:
 EXISTING LAYOUT
 PLAN

DRAWN: AC DATE: MAR 22 CHECKED: AUTHORIZED:

SCALE: (A3) 1:100 DRAWING STATUS: PRELIMINARY

DO NOT SCALE DRAWING No: 3D213005-11 REV: 2

