

# UDUPI COCHIN SHIPYARD LIMITED

(Formerly Tebma Shipyards Limited)



Date: 10.09.2024

## TENDER ENQUIRY

Dear Sirs,

Sealed Tenders in duplicate, super scribing the Enquiry Number & Last date for receipt of Quotations on the envelope, are invited **TWO BID SYSTEM** two separate covers as 'Part- I Techno-commercial' and 'Part- II Price' - **both enclosed in the single envelope**, for the supply of following materials so as to reach the undersigned on or before the last date and time shown. Tenders should be addressed to **Assistant General Manager (Materials), Udupi Cochin Shipyard Limited, Malpe Harbor Complex, Malpe. Udupi-576108, Karnataka, India.**

**Submission by Email:** Offers (both Part- I Techno-commercial' and 'Part- II Price) in two separate password protected PDF file format, can also be made by E-mail ([sony.clement@udupicsl.com](mailto:sony.clement@udupicsl.com), [sunilsnair@udupicsl.com](mailto:sunilsnair@udupicsl.com) / [purchase@udupicsl.com](mailto:purchase@udupicsl.com) / [muhammad.anas@udupicsl.com](mailto:muhammad.anas@udupicsl.com) / [midhunthomas@udupicsl.com](mailto:midhunthomas@udupicsl.com) ) on or before, the last date & time of receipt of tender as shown below, if delivery of sealed offers cannot be ensured at UCSL on the due date. The offer PDF files (Part- I Techno-commercial' and 'Part- II Price) to be named clearly (UCSL/MAT/PROJ/2024-25/1249- Techno-commercial and UCSL/MAT/PROJ/2024-25/1249- Price bid)

Enquiry No.	Enquiry Date	Last Dt. & Time for Receipt of Tender	Tender Opening Date & Time
UCSL/MAT/PROJ/2024-25/1249	10.09.2024	30.09.2024, 15:30:00	30.09.2024, 15:30:00

Sl No	Material Code	Material/ Service Description	UOM	Qty	Yard No	Required Date at UCSL
1		W-D & Cylindrical Type Fenders	Shipset	04	UCSL Y171 to Y174	As per document

In case of any commercial queries, please contact: Mr. Sony Clement - AGM (Materials), Muhammad Anas - Manager (Materials) Mobile No. 8129443366, Sunil Sasidharan Nair - Manager (Materials) Mobile No. 9884917724, Midhun Thomas - Assistant Manager (Materials) Mobile No. 9995777763, Email: [sony.clement@udupicsl.com](mailto:sony.clement@udupicsl.com), [muhammad.anas@udupicsl.com](mailto:muhammad.anas@udupicsl.com), [midhunthomas@udupicsl.com](mailto:midhunthomas@udupicsl.com), [purchase@udupicsl.com](mailto:purchase@udupicsl.com), [purchase1@udupicsl.com](mailto:purchase1@udupicsl.com), [sunilsnair@udupicsl.com](mailto:sunilsnair@udupicsl.com)  
**For Technical queries please contact: Email: [Sarun.kumar@udupicsl.com](mailto:Sarun.kumar@udupicsl.com)**

उदुपी कोचीन शिपयार्ड लिमिटेड  
पन्नन, पोत परिवहन और जलमार्ग मंत्रालय  
भारत सरकार

UDUPI COCHIN SHIPYARD LIMITED  
Ministry of Ports, Shipping & Waterways  
Government of India

पंजीकृत कार्यालय:  
एस. नं. 377, पशामत्तूर गाँव  
पुकातुरई पोस्ट, मदुरान्तकम तालुका  
कांचीपुरम - 603 116, तमिल नाडु, भारत ।  
कॉर्पोरेट कार्यालय:  
माल्पे हार्बर कॉम्प्लेक्स, माल्पे  
उदुपी - 576 108, कर्नाटक, भारत ।

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**Enclosures:**

1. Purchase Technical Specifications- Annexure 1
2. General Terms and Conditions of procurement - Annexure 2
3. Price bid format - Annexure 3
4. Bank Guarantee/Security Deposit Format - Annexure 4

For Udupi Cochin Shipyard Ltd,



Authorized Signatory

Sony Clement T M  
AGM - Materials  
UCSL

## PRICE BID FORMAT

Tender Enquiry No: UCSSL/MAT/PROJ/2024-25/1249

Tender Enquiry Date:10 Sept 2024

Vessel/Project: Y 171-174

SL. NO	DESCRIPTION	Quantity	UOM	Currency	Unit Rate	Total Price
1	Bow fender - Upper Cylindrical fender 800 OD X 400 ID mm with all accessories	128	Mtr			
2	Bow fender - Lower Cylindrical fender 800 OD X 400 Idmm with all accessories	90.8	Mtr			
3	Bow fender - W fender 500mm wide X 450mm Thk with all accessories	77.32	Mtr			
4	Stern fender - W fender 480mm wide X 300mm Thk with all accessories	134.04	Mtr			
5	Sheer - D fender D bore 300mm X 300mm	227.52	Mtr			
6	Partial Cylindrical fender 600 X 300ID	3.36	Mtr			
7	25mm SS316 chain for cylindrical fenders	4	shipset			
	<b>TOTAL BASIC PRICE FOR 4 SHIPSETS</b>					
8	Installation Charges for cylindrical fenders as per PTS for 4 shipset	4	shipset			
9	Packing & Forwarding Charges / FOB Charges	4	shipset			
10	Freight Charges	4	shipset			
11	Class Inspection charges, if any	4	shipset			
12	Other Charges, if any (specify)	4	shipset			
13	Transit Insurance and Unloading Charges		By UCSSL			
14	GST (as applicable)					
15	HSN CODE					
16	Total Order value for 4 Ship sets (C&F CHENNAI SEAPORT / FOR UCSSL STORES PRICE)					
17	Delivery Period required at UCSSL stores		Material required date at UCSSL is within 5 months from the date of PO for 1st Shipset and 8 months from the date of PO for the 2nd Shipset&3rd shipset& 10 months from date of PO for 4th shipset			

Signature :  
Name & Address of the firm

**Important Note:**

- Un-priced Bid, to be submitted along with techno commercial bid with details like percentage of taxes & duties applicable and showing whether "Amount quoted/ Nil/ Included/ By UCSSL" against respective column. Confirmation regarding exercising the option shall be provided during finalization of the purchase order.
- The prices quoted in column no 1 to 12 above will be added and the bidder who has quoted the aggregate lowest will be declared the Lowest bidder (Overall L1 bidder) and hence Individual Line item Lowest will not be considered for order placement.

Rev.	Pages	Description	Date	Sign.
0	8	First Issue	06-06-2024	Chaturanan

**70 T BOLLARD PULL ASD TUG**



**UDUPI COCHIN SHIPYARD LTD**  
(A Cochin Shipyard Company)

YARD NO	UY173	<b>70 T BOLLARD PULL ASD TUG</b>		
OWNER	POLESTAR MARITIME	<b>PURCHASE TECHNICAL SPECIFICATION FOR SUPPLY OF W, D &amp; CYLINDRICAL TYPE FENDERS</b>		
APPROVED	AJITH KUMAR T.			
CHECKED	SARUN S KUMAR			
PREPARED	CHATURANAN			
DATE	06-06-2024	Doc. No.:	PTS-173-041	Rev. No: 0
ISSUED TO	NO. DEP.			

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## TECHNICAL SPECIFICATION FOR FENDERS

### SECTION A

#### 1.1. Introduction

The 70 T Bollard Pull Azimuth Stern Drive (ASD) tug vessel shall be built by Udupi Cochin Shipyard Ltd (UCSL), a fully owned subsidiary of Cochin Shipyard Ltd. As part of this tender yard indents to offload the supply, manufacturing of W, D and the Cylindrical fenders along with their fittings as a package and the cylindrical fenders shall be installed by the supplier. All required accessories/spares for the fenders are included in the scope of supply.

#### 1.2. Quantity

The total requirement of fenders is for 1 shipset. The supply shall be as per Section B of this specification.

#### 1.3. Class & Flag Rules

The vessels shall be built under the flag and dual classifications specified as follows:

Flag : India

Classification 1 : American Bureau of Shipping (ABS).

Class notation : **✕A1, (E), Towing Vessel, FFV 1, ✕AMS, BP (70T);**

Classification 2 : Indian Register of Shipping (IRS)

Class notation : **+SUL +IY TUG INWATER SURVEY, AGNI 1 (2400 m<sup>3</sup>/hr)**

Type : "Indian Coastal Vessel"

Vessel structure to be designed for unrestricted navigation and to be classed as **Ocean Going vessel.**

#### 1.4. Rules and Regulations

Tug shall be built in compliance with all relevant International Standards as applicable at the time of construction, including (but not limited to) the following.:

- a. COLREGS - International Regulations for Preventing Collisions at Sea
- b. Load Lines, 1966/1988 - International Convention on Load Lines, 1966, as Amended by the Protocol of 1988
- c. MARPOL - International Convention for the Prevention of Pollution from Ships
- d. Tonnage - International Convention on Tonnage Measurement of Ships, 1969
- e. International Labour Conference – Maritime Labour Convention, 2006
- f. IMO regulations A 468 (Noise levels) and ILO Recommendation R141 as far as practicable for tugs.
- g. International Convention on the Control of Harmful Anti-Fouling Systems on Ships, 2001
- h. Director General of shipping order 01 of 2014 or its latest amendment as applicable.



### **1.5. Class Compliance, Testing & Inspection**

In general, the supplier shall submit/obtain all the plan approvals/certifications of the fenders/components/accessories included in the supply package.

- The Fender and associated accessories shall have Unit approval or Type approval (as applicable) from ABS & IRS.
- Each unit shall be inspected, tested, and certified in accordance with the maker's standard and Classification Rules in the presence of the Class surveyor. The Class approval of supplied item is included in the scope of the supplier/manufacturer.
- All certificates required by the Class Rules & Regulations shall be provided.

### **1.6. Guarantee**

The Fenders and accessories shall be guaranteed against defective design, material, and workmanship and underperformance till, for a period as mentioned in commercial terms and conditions. Guarantee of the fenders shall be as per commercial terms and conditions.

### **1.7. Particulars of the vessel**

The principal design characteristics of the vessel shall be as follows:

Length overall (exclude fenders)	:	abt. 33.0 m
Length between perpendiculars	:	abt. 32.0 m
Breadth moulded	:	abt. 12.2 m
Depth midships	:	abt. 5.52 m
Design draught (Hull)	:	abt. 4.2 m
Navigational draught	:	abt. 5.10 m
Complement	:	12

### **1.8. Design Conditions**

The following ambient conditions shall be considered for the selection of the Vessel's Fender and accessories. Fenders shall be able to deliver its specified output and operate satisfactorily under tropical conditions as mentioned below:

Sea water temperature	:	max. 32° C min. 5° C
Air temperature outside	:	max. 40° C min. 10° C
Relative Humidity	:	max. 90% min. 50%
List, rolling, trim and pitch according to limits as per Class		

The above requirements are to be considered as a minimum, any other requirements which are necessary to meet class/IMO/flag rules/regulations shall be considered for the design and operation of the fenders.



### **1.9. Supply of Documents**

All documents shall be in English and in the metric system and the following documents shall be submitted, where applicable. The drawing approval where required by the Classification Society shall be obtained by the manufacturer.

#### **1.9.1. Documents to be submitted along with the offer**

- a. General arrangement drawing of fender and fitting details, fixing details in Auto CAD/Dxf format.
- b. Installation drawing and guidelines.
- c. List of items quoted including service of engineers during commissioning.
- d. List of items if any, not covered in the supplier's scope of supply.
- e. Preliminary fender documents with type, description, size, weight, CG, composition/Grade of material for fender/accessories.
- f. Preliminary drawing with sizes of bolts and clearances if required for maintenance.
- g. One soft copy of the technical offer is to be sent as an attachment.

#### **1.9.2. Documents are to be submitted within 2 weeks after the placement of Order/LOI/As per the final agreement**

- a. Detailed Bill of Material - D type, W type, cylindrical type and its fittings.
- b. Drawing of the W type, D type and cylindrical fenders and its fittings.
- c. Detailed Procedure for the fitment of W type, D type, cylindrical fenders and their fittings.
- d. Installation and commissioning details.
- e. Details of shop tests and inspection for all items.

#### **1.9.3. Documents to be submitted along with the delivery of Fenders and its fittings to the Yard (4 sets/ship unless otherwise mentioned)**

- a. Test certificate by classification society (ABS & IRS) for the fenders/accessories (As required)
- b. Type approval certificate for the fenders/accessories (As required)
- c. Manufacturers Test certificate as applicable (4 copies with original)
- d. Test and inspection results
- e. Packing list (with reference to each item of the Bill of Materials)
- f. Instruction and maintenance manuals (4 sets and one soft copy on CD)
- g. Spare parts manual (4 sets)
- h. Control & monitoring system manuals/drawings
- i. Test Certificate for All types of fenders, pins, slings, shackle, and any other fittings



**1.10. General Remarks**

a. Liability

The manufacturer shall bear all responsibilities for the necessary testing, certification, and delivery to the shipyard of the supplied items.

b. Screw Thread/slings/shackle/pins and fittings

Screw thread/slings/shackles/pins shall be in accordance with the Tug building standards and shall be included in the scope of supply and installation.

c. Painting

The fittings to be supplied are to be Hot dip Galvanised with a minimum

d. Preservation

The recommended method of preservation and names of recommended preservatives shall be indicated. R.H. (Relative Humidity) at Malpe in Karnataka is around 80%.

e. Special Tools

Special tools for cutting and shaping of the fenders as applicable for installation are to be arranged by the supplier during installation.

**1.11. Compliance Matrix**

A compliance matrix in the following format shall be submitted by the supplier along with the offer. Deviations from the Technical specification shall be specifically indicated.

**Table 2**

VENDOR NAME AND ADDRESS:				SPEC.NO/OFFER NO:	
				PAGE NO:	
ITEM DESCRIPTION:				SHIP: Y173	
Sl.No.	SPEC.CLAUSE NO.	REQUIREMENT	STATUS (A/N/C*)	DEVIATION/REASON	FOR UCSSL COMMENT

A-Acceptable, N-Not Acceptable, C-Conditional acceptance.

**1.12. Place of Delivery**

Udupi Cochin Shipyard Ltd, Baputhota Warehouse Complex, Malpe, Udupi – 576108

**1.13. Required Date**

Sl.No.	Description of supply	Date of delivery
1	Fenders and its fittings – 173	28-02-2025





## **SECTION B: TECHNICAL SPECIFICATION**

### **2.1. Technical Specification – Fender and its fittings (Qty per vessel)**

The quantity indicated below is for 01 vessel.

- |              |   |
|--------------|---|
| Bow fender   | - Upper Cylindrical Fender: 800 OD x 400 ID mm ( <b>Finished length 32m</b> )<br>- Lower Cylindrical Fender: 800 OD x 400 ID mm ( <b>Finished length 22.7m</b> )<br>- W fender: 500 mm wide x 450 mm thick ( <b>Total Length – 19.33m</b> ) |
| Stern fender | - W fender: 480 mm wide x 300 mm thick ( <b>Total length - 33.51m</b> )   |
| Sheer        | - D fender: D bore 300 mm x 300 mm ( <b>Finished length 56.88m</b> )<br>- Partial Cylindrical Fender: 600 OD x 300 ID mm ( <b>Finished length 1.68 m</b> )  |

*(The Detailed General arrangement fender drawing is also enclosed. Refer to annexure for details of individual lengths of fenders for W and D fenders.)*

- |                        |   |
|------------------------|---|
| Fitment                | - "D", "W" or cylindrical fenders secured between steel fender bars with stainless steel pins<br>- all details (chain size, pin diameter, straps, spacing, etc.) as shown on the drawing<br>- straps (where fitted) to suit selected fender |
| Water spray            | - Provided for bow fenders, supplied by fire/gp pump (Fender lubrication).  |
| Material of the fender | - Extruded, High abrasion resistant rubber with high toughness and shock absorption properties  |
| Material of fasteners  | - Stainless steel 316   |

### **2.2. Installation**

- The sizing of the fender to the site conditions, cutting of the fender, installation, fastening and strapping (as applicable) shall be to the supplier's scope.
- Additional intermediate pins are to be provided in the W Fenders wherever the size is more than 1 m, or as per the recommendations of the Owner/Class, if so desired.
- Maximum length of cylindrical fender shall be provided to minimize the number of joints according to the vessel profile.
- Additional intermediate straps are to be provided in the cylindrical fenders & accessories as per the recommendations of the Owner/Class, if so desired.
- Appropriate stiffening interconnector must be placed between two adjacent cylindrical fenders.
- Cone shape has to be designed properly at the end of the fender as per the drawing attached.
- Necessary assistance for installation such as labour assistance, scaffolding, material movement, material handling equipment's, and cranes shall be supplied by the yard.
- Necessary special tools that are required for sizing/cutting of the fender shall be brought by the supplier.
- The fastening arrangement on the hull – the flat bars duly sized as per the manufacturer's recommendation shall be provided by the yard.
- In situ drilling of the securing arrangement, as applicable, shall be done by the yard, as per the recommendations of the attending supplier representative at the site.
- The fenders are to be installed to the satisfaction of the yard QC, owners' representative and the class surveyors (as applicable).

### **Important points to be Noted:**

1. Fender arrangement drawing attached with details.
2. All Fender restraint hardware to be stainless steel.
3. All securing holes for fender mounting pins are to be punched or drilled, not flame-cut.
4. Supplier shall supply Fittings as per matching arrangement drawing.



5. Supplier should verify the arrangement, details, and dimensions of Fender arrangement drawing.
6. Scope of Supply with Item wise description, material specification, quantity, drawings, and other relevant information in line with this PTS is to be submitted along with the bid for review.
7. Deviation, if any, is to be submitted to Yard/Owner for approval.

**The following details are to be provided by the supplier and necessary certificates/type approval is to be submitted for yard/owner approval.**

**Table 4**

Sl.no	Item name	Uom	Qty.	Remark
1	Supply of W fender with Pin & accessories	Shipset	1	
2	Supply of D fender with Pin & accessories	Shipset	1	
3	Supply and Installation Cylindrical fender with Straps, pin & accessories for cylindrical fender	Shipset	1	

### **2.3. Conditions of supply**

- 2.3.1 The Fenders and their fittings should be manufactured with the best quality material and workmanship.
- 2.3.2 The Fenders and their fittings shall be under the supplier's scope; shall be new, unexploited and of a marine quality suitable for the intended service. Also, these supplied items shall be equipped for efficient and proper working under the worst marine conditions. Anything necessary to accomplish this must be supplied notwithstanding any omission in the specification.
- 2.3.3 Supplier should tender advice free of any charges in respect of the offered layout drawings, Installation drawings in way of mounting, and also assist in answering of queries from the Yard/Owner.
- 2.3.4 Supplier should also undertake to study any drawing submitted by the shipyard and offer approval/comments/advice on them free of any charge.

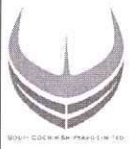
### **2.4. Spare parts, Inventories, Tools & Training for crew**

- 2.4.1 Following spares shall be included in the scope of supply.
- 2.4.2 Manufacturer's standard recommended consumable spares, special jigs and tools for maintenance of the supplied items and fittings shall be included in the scope of supply.
- 2.4.3 Installation and Commissioning spares as per Manufacturer standards shall be included in the scope of supply.
- 2.4.4 Each part or set of parts shall be individually packed and protected against abrasion, transportation damages, dampness and deterioration.
- 2.4.5 Each part is to have a tie-on label and duplicate labels attached to the exterior of each package. All labels are to be indelibly marked with the designated type and name and serial number/part number and also marked with the name of the machinery for which it is intended.

**NOTE:** Notwithstanding any omission in this specification, all items/features required as per class rules/statutory regulations, safe working and good ship-building practice shall be included in the offer by the bidder.

#### **Attachment –**

- a) Fender dimensions
- b) Fendering Arrangement drawing



**ANNEXURE-A**

<b>800 OD x 400 ID Cylindrical Fender</b>		
<b>Item</b>	<b>Dimension</b>	<b>Length (PORT+STBD)</b>
TOP CYLINDRICAL BOW FENDER	800 OD x 400 ID	APPROX 32.0m
BOTTOM CYLINDRICAL BOW FENDER	800 OD x 400 ID	APPROX 22.7m
<b>Total Length (PORT+STBD)</b>		<b>54.7 m</b>

<b>Cylindrical Fender</b>
Cylindrical fender may be supplied as against of 3 or 4 sections as per manufacturer standard. The section is to be assembled and installed to suit at the site and shall ensure the functioning of the fender as a single integral unit without rattling/sluggishness. Necessary fastening/Strapping is to be catered accordingly. Detail arrangement drawing as per manufacturer standards is to be submitted along with the bid.

<b>300x300 HOLLOW "D" FENDER</b>	
<b>Item</b>	<b>Length (m)</b>
Total Length (STBD)	26
Total Length (PORT)	26
Stub piece (STBD)	2.51
Stub piece (PORT)	2.51
<b>Total Length (PORT+STBD)</b>	<b>57.02</b>

<b>"W" TYPE BOW FENDER</b>					
<b>AFT (480 mm wide x 300 mm thick)</b>			<b>FWD. (500 mm wide x 450 mm thick)</b>		
Sl. No.	Length (STBD)		Sl. No.	Length (STBD)	
	1st Length (mm)	2nd Length (mm)		1st Length (mm)	2nd Length (mm)
1	380	574	1	297	318
2	574	766	2	318	344
3	766	954	3	344	375
4	954	1109	4	375	410
5	1109	1088	5	410	454
6	1088	1083	6	454	511
7	1083	1085	7	511	586
8	1085	1092	8	586	659
9	1092	1101	9	659	730
10	1101	1110	10	730	818
11	1110	1118	11	818	919
12	1118	1127	12	919	1038
13	1127	1132	13	1038	1202
14	1132	1136	14	1202	1299
15	1136	1137	<b>Total Length (STBD)</b>		<b>9663</b>
16	1137	1140	<b>Total Length (PORT+STBD)</b>		<b>19326</b>
<b>Total Length (STBD)</b>		<b>16752</b>			
<b>Total Length (PORT+STBD)</b>		<b>33504</b>			

**NOTES:**

1. REFER TO THE ROBERT ALLAN LTD. DRAWING AND CONTRACT SPECIFICATION PACKAGE IN ITS ENTIRETY. PARTICULAR ATTENTION SHOULD BE PAID TO THE FOLLOWING:
  - 10010 LINES PLAN
  - 21010 STRUCTURAL ARRANGEMENT
  - 21050 STRUCTURAL SECTIONS
  - 22210 BULWARKS STRUCTURE
  - 30000 GENERAL ARRANGEMENT
2. ALL FENDER DETAILS ARE TYPICAL – DETAILS AND DIMENSIONS ARE TO BE VERIFIED WITH SUPPLIER BASED UPON PURCHASED FENDERS.
3. CYLINDRICAL FENDERS: TEMPORARILY INSTALL FENDER IN PLACE TO LOCATE STRAP POSITIONS – DO NOT MEASURE FROM THIS DRAWING. ENSURE THE SPACING OF FENDER NOTCHES AND PLACEMENT OF FENDER DOES NOT RESULT IN INTERFERENCE OF WEB SLINGS WITH BULWARK STRUCTURE, WEB SLING RESTRAINTS ARE TO BE ARRANGED TO SUIT CYLINDRICAL FENDER NOTCHES WITH THE FENDER IN PLACE. IN THE EVENT OF STRUCTURE INTERFERING WITH RESTRAINTS, ADJUST STRUCTURE OR NOTCH TO SUIT.
4. GRIND SMOOTH ALL EDGES IN ACCORDANCE WITH SPECIFICATION. PARTICULAR ATTENTION TO BE PAID TO EDGES IN CONTACT WITH FENDERS IN WAY OF WEB SLINGS.
5. PAINT ALL STEELWORK BEHIND FENDERS BEFORE FINAL INSTALLATION OF FENDERING.
6. ALL FENDER RESTRAINT HARDWARE TO BE STAINLESS STEEL.
7. ALL SECURING HOLES FOR FENDER MOUNTING PINS TO BE PUNCHED OR DRILLED, NOT FLAME-CUT.
8. APPLY WELDING PROCEDURES, MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH CLASS REQUIREMENTS AND APPROVED WELD SCHEDULE. APPLY DOUBLE CONTINUOUS WELD TO ALL CONNECTIONS OF FENDER ATTACHMENTS.
9. LUBRICATE ALL BOLT CONNECTIONS THOROUGHLY TO AVOID GALLING.
10. PROVIDE A WATER SPRAY FENDER LUBRICATION SYSTEM ACCORDING TO CONTRACT SPECIFICATION.

**ABBREVIATIONS:**

ABL	- ABOVE BASELINE	PL	- PLATE
CL	- CENTRELINE	P, PORT	- PORT SIDE
DWG.	- DRAWING	REF	- REFERENCE
FB	- FLAT BAR	SRB	- SOLID ROUND BAR
FR.	- FRAME	S.S.	- STAINLESS STEEL
ID	- INSIDE DIAMETER	S, STBD	- STARBOARD
IWO	- IN WAY OF	STIFF.	- STIFFENER
MIN.	- MINIMUM	SWL	- SUMMER LOAD WATER LINE
O.C.	- ON CENTRE	TYP.	- TYPICAL
OD	- OUTSIDE DIAMETER		



**ROBERT ALLAN**  
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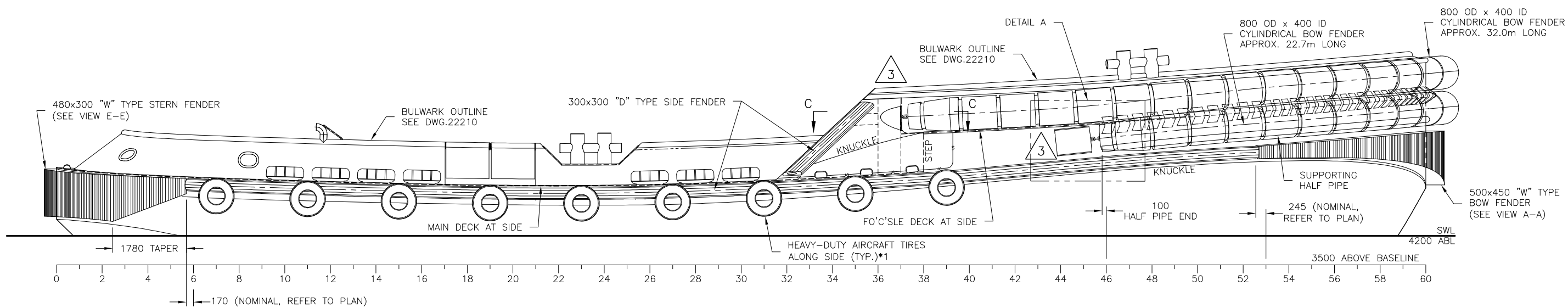
This document is for guidance only, indicating the key characteristics of the design's configuration, performance, materials, and standards of construction based on preliminary equipment selection. It is not intended to be the sole basis for construction. The builder, or any other party that uses or relies on or makes decisions based on this document, assumes full responsibility to complete detailed engineering design and finalize equipment selection to a point suitable for construction and implementation.

**Engineers and Geoscientists BC Permit to Practice number 1001019**

**CONTRACT DESIGN**

DESIGN			
<b>RAmparts 3300 Tug</b> 70T BP Variant			
CLIENT			
<b>UDUPI COCHIN SHIPYARD LTD</b>			
TITLE			
<b>FENDERING ARRANGEMENT</b>			
DRAWN BY MV	ENGINEER MY	PLOT SIZE ANSI B	SHEET 1 OF 5
PROJECT 222-032A	DRAWING 45000	REV. 3	

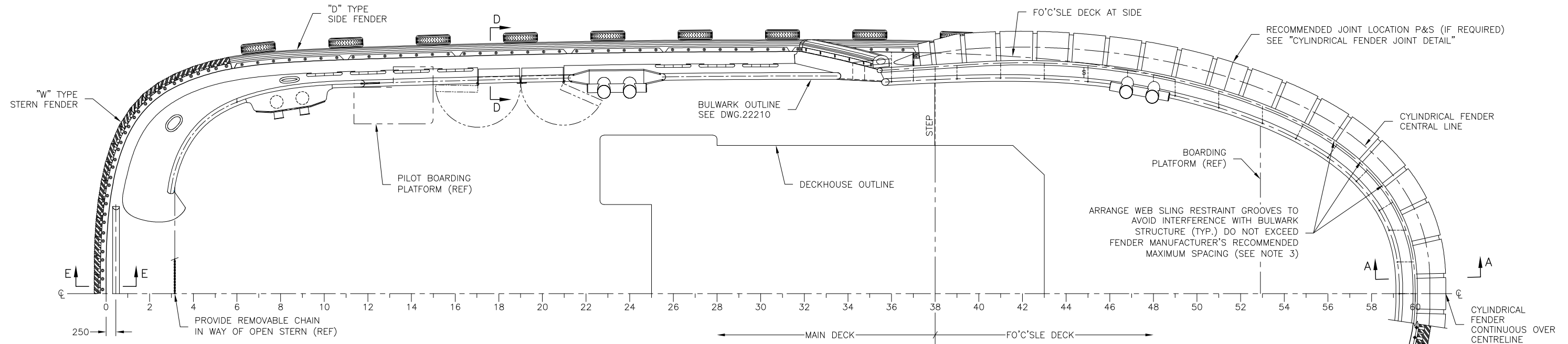
3	REPLACE CYLINDRICAL NYLON BELT WITH CHAIN. ADJUST POSITION, LOWER FENDER MOUNT, NOTE AS TO SUIT. MINOR DRAFTING CORRECTIONS.	SEP. 14/23	BC	MY	MY
2	UPPER CYLINDRICAL FENDERS UPDATED TO SHOW THEM GRADUALLY LOWERED AND LANDING ON THE FORECASTLE DECK, UPDATED BULWARKS, GEOMETRY, SHOWED HALF PIPE SUPPORT, DRAFTING CORRECTIONS	JUL. 05/23	MV	BC	MY
1	FIRST ISSUE	APR. 05/23	MV	MY	MY
REV.	REVISIONS	DATE	DWN	CHK	APP.



**OUTBOARD PROFILE**

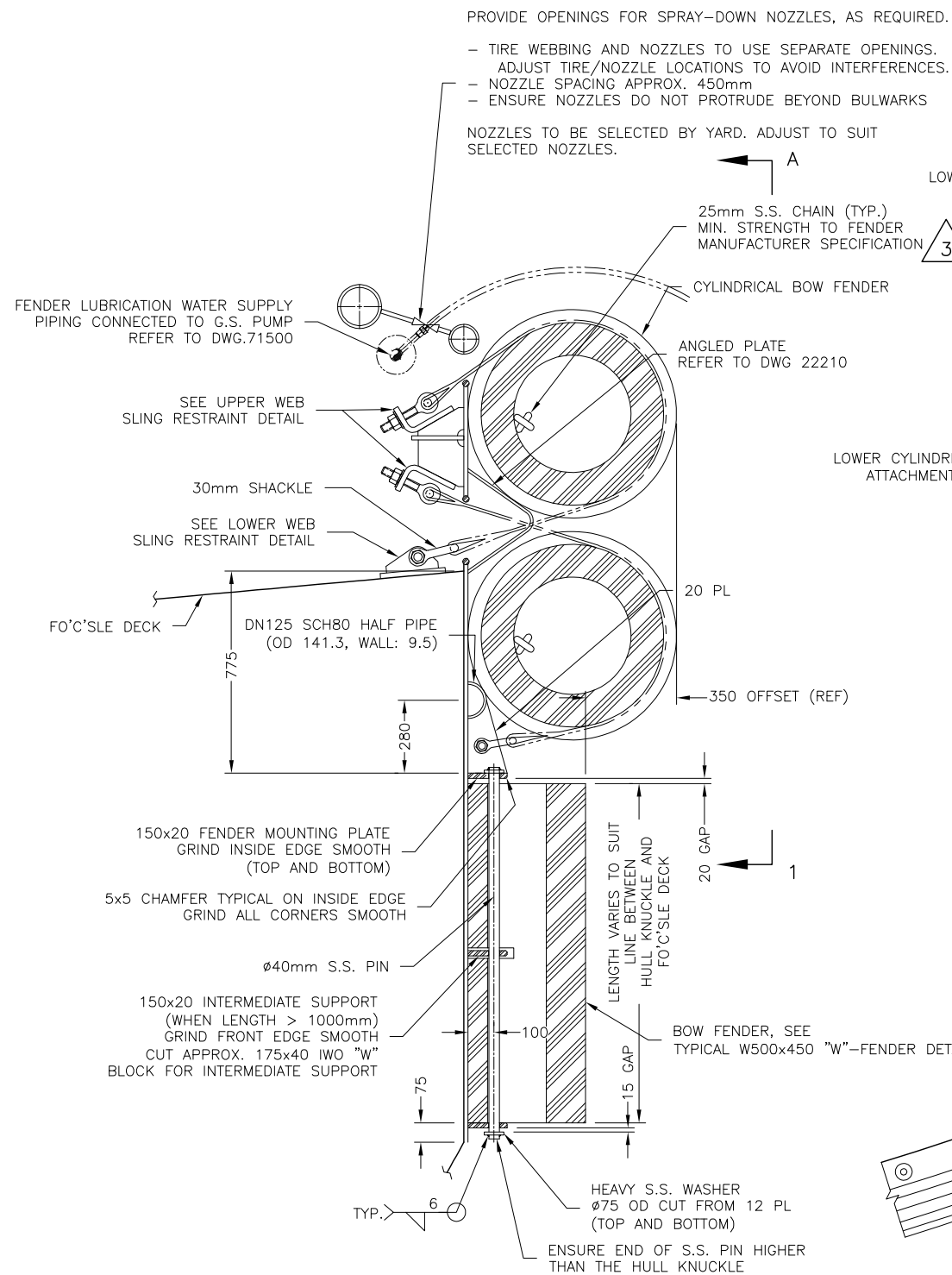
STARBOARD SIDE SHOWN, LOOKING TO PORT  
PORT SIDE SIMILAR

\*1 34x10.75 (ø864 OD) TIRES SHOWN FOR REFERENCE.  
ADJUST TO SUIT SELECTED TIRE. VERIFY LOCATION  
TO SUIT OWNER PREFERENCE.

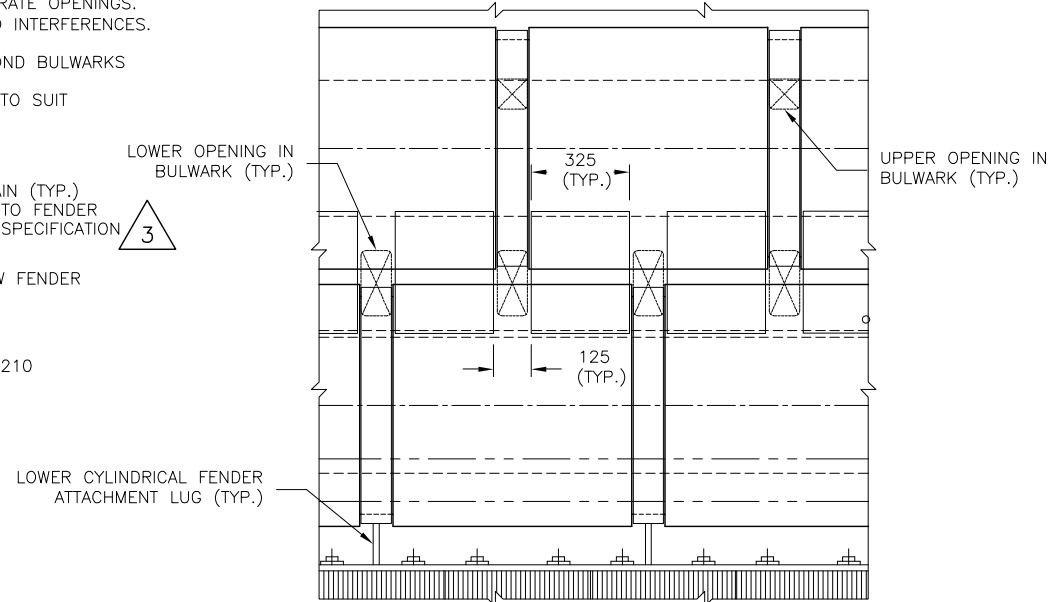


**DECK PLAN**

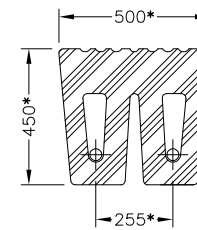
PORT SIDE SHOWN, STARBOARD SIDE SIMILAR



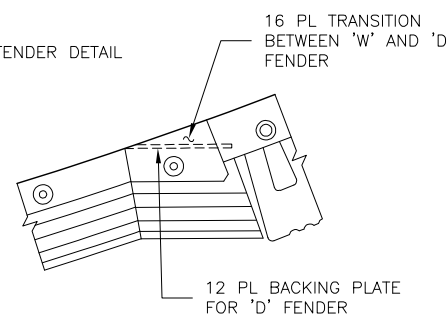
VIEW A-A  
IN WAY OF BOW FENDERING SHOWING  
TYPICAL BOW FENDER DETAILS



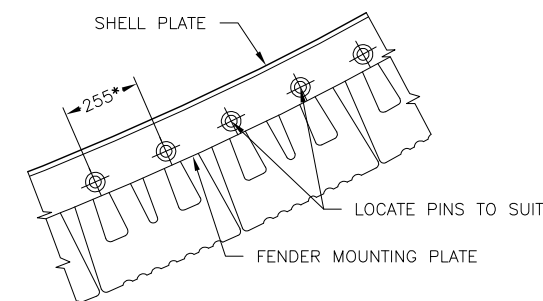
VIEW A-1



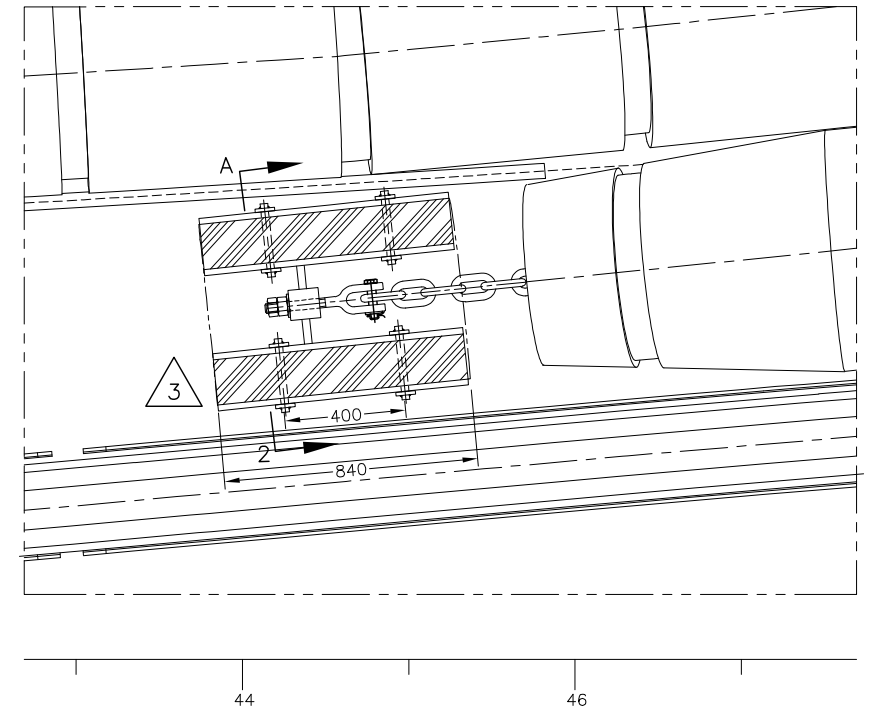
TYPICAL W500x450 "W"-FENDER DETAIL  
\*DIMENSIONS SHOWN FOR REFERENCE ONLY  
REFER TO FINAL SELECTED EQUIPMENT FOR DETAILS



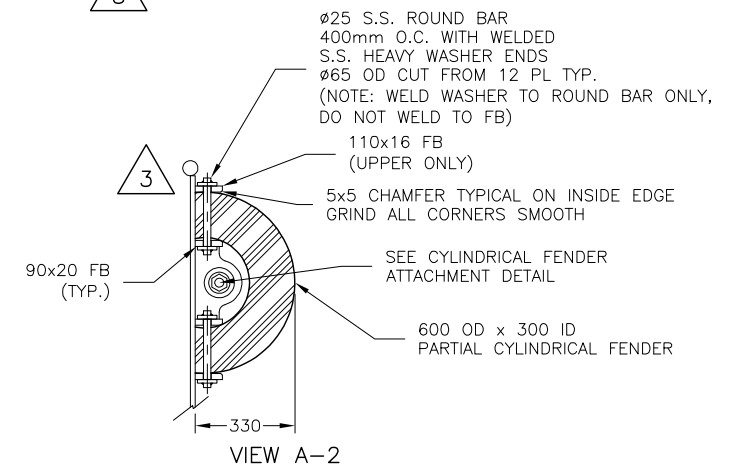
"D" TO "W" FENDER TRANSITION DETAIL



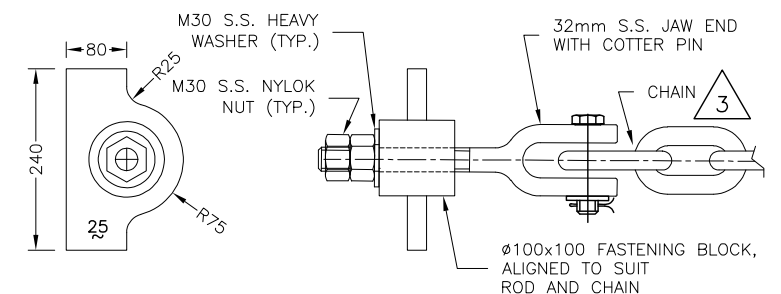
TYPICAL W500x450 MOUNTING PLAN  
\*DIMENSIONS SHOWN FOR REFERENCE ONLY  
REFER TO FINAL SELECTED EQUIPMENT FOR DETAILS



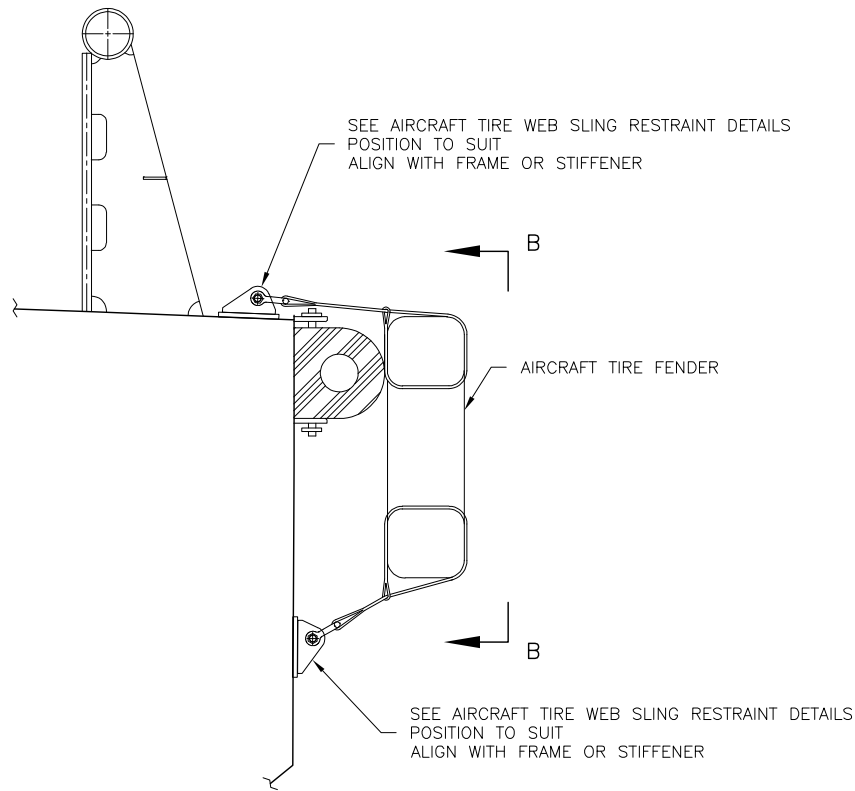
DETAIL A  
LOWER CYLINDRICAL FENDER END DETAILS  
(ADJUST POSITION TO SUIT)



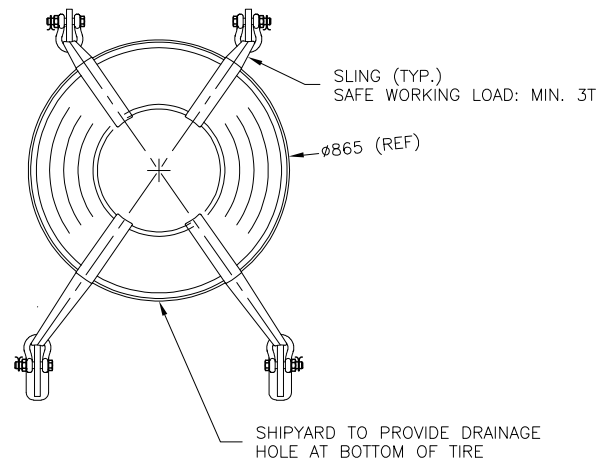
VIEW A-2



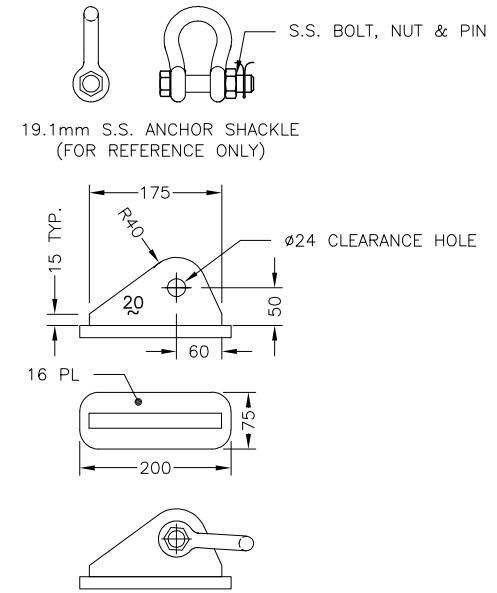
CYLINDRICAL FENDER ATTACHMENT DETAIL  
LOWER CYLINDRICAL FENDER ATTACHMENT SHOWN  
SCALE 1:10



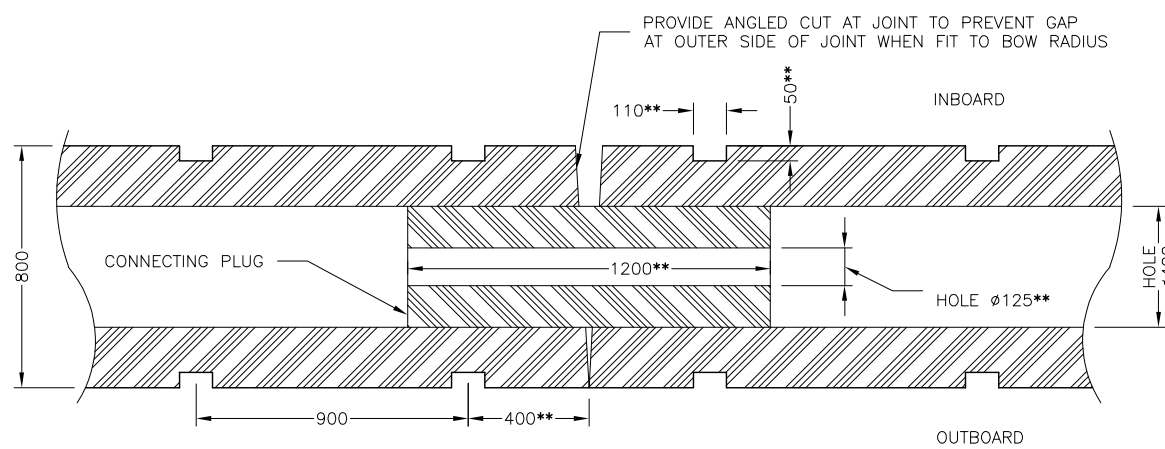
AIRCRAFT TIRE MOUNTING DETAIL  
TYPICAL AIRCRAFT TIRE MOUNTING. ADJUST TO SUIT



VIEW B-B

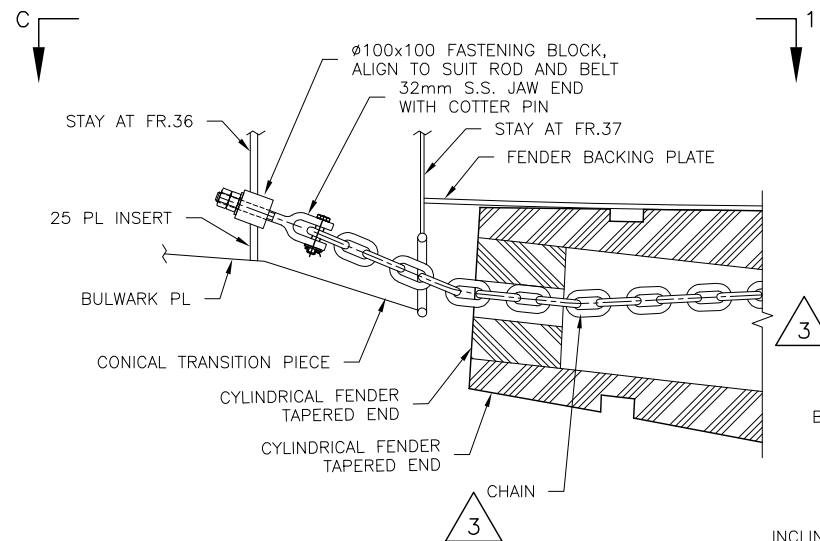


AIRCRAFT TIRE WEB SLING RESTRAINT DETAILS  
SCALE: 1:10

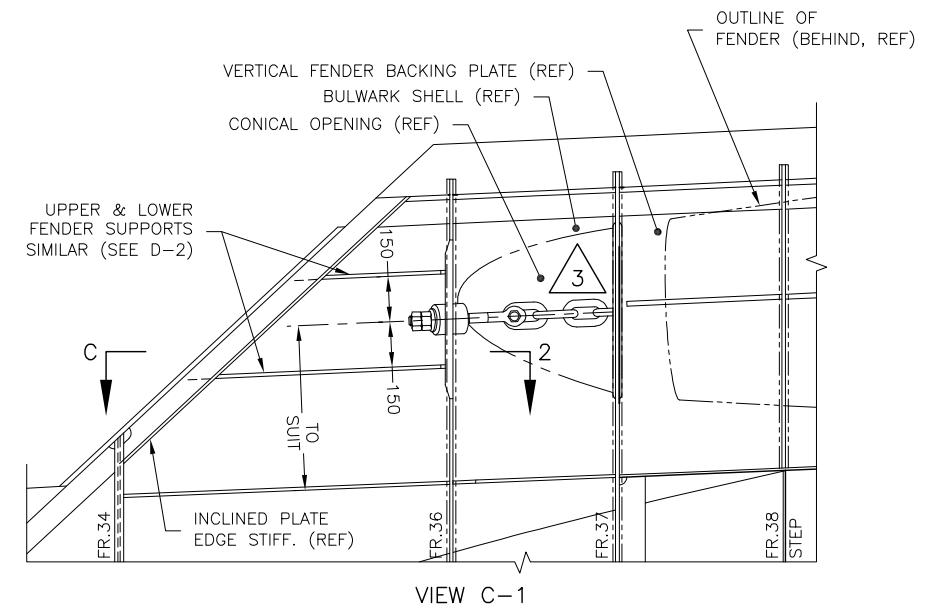


NOTE:  
\*\*: DIMENSION FOR REFERENCE ONLY, SHIPYARD TO VERIFY  
WITH FENDER MANUFACTURER.

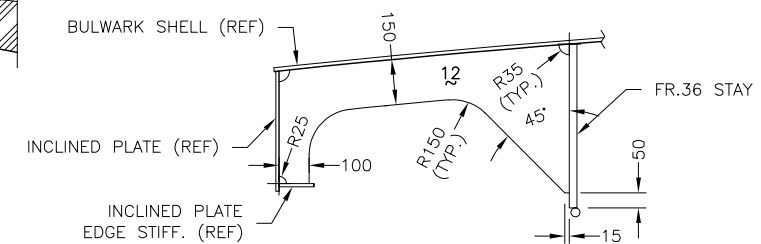
CYLINDRICAL FENDER JOINT DETAIL  
LOCATE JOINT AS FAR FROM VESSEL CENTRELINE AS POSSIBLE  
AND OUT OF VERTICAL ALIGNMENT WITH OTHER FENDER



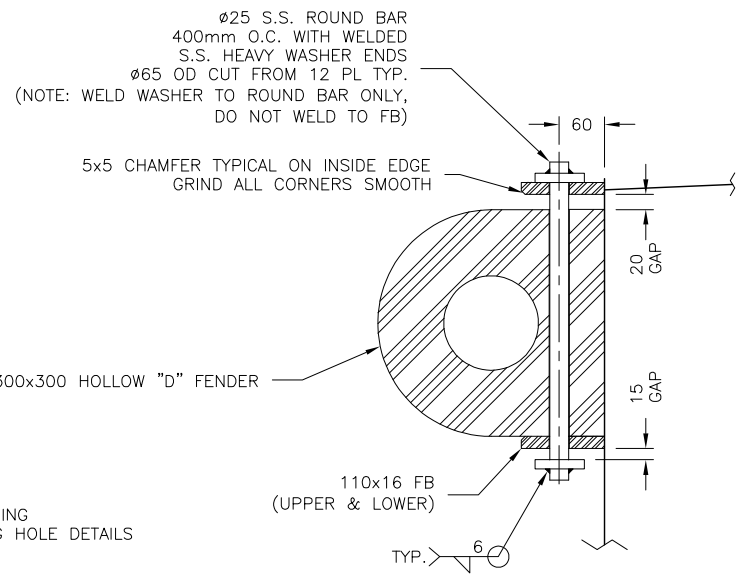
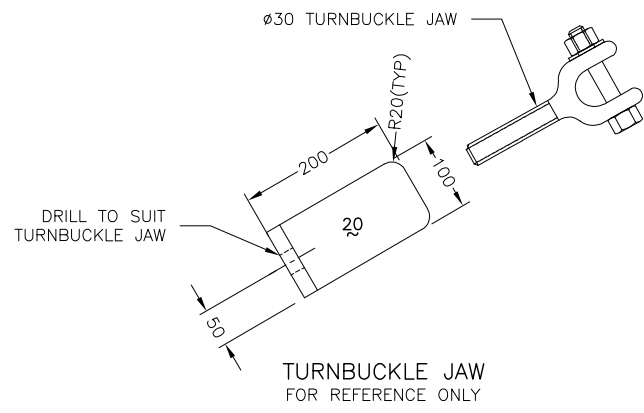
VIEW C-C  
CYLINDRICAL FENDER END CONNECTION



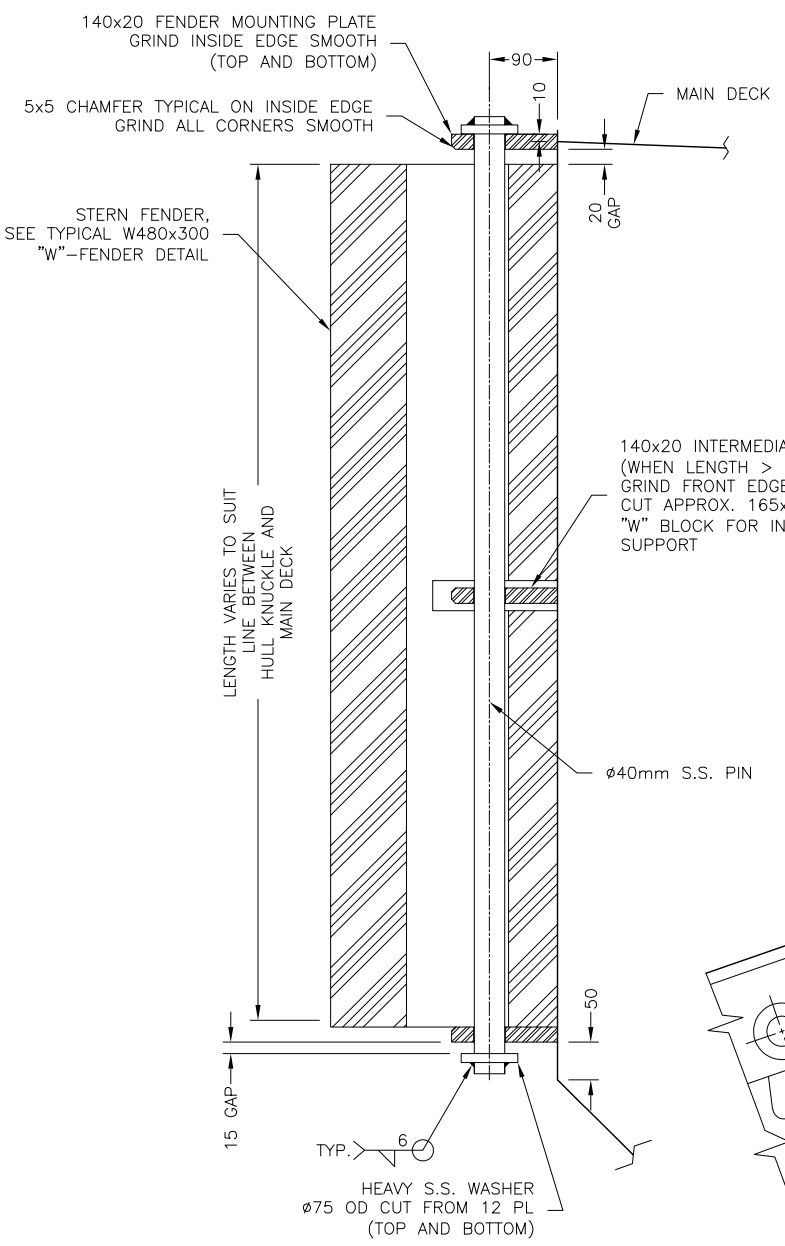
VIEW C-1



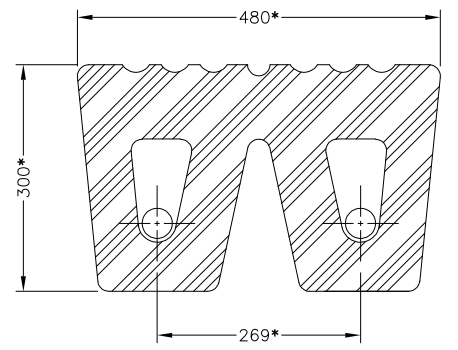
VIEW C-2



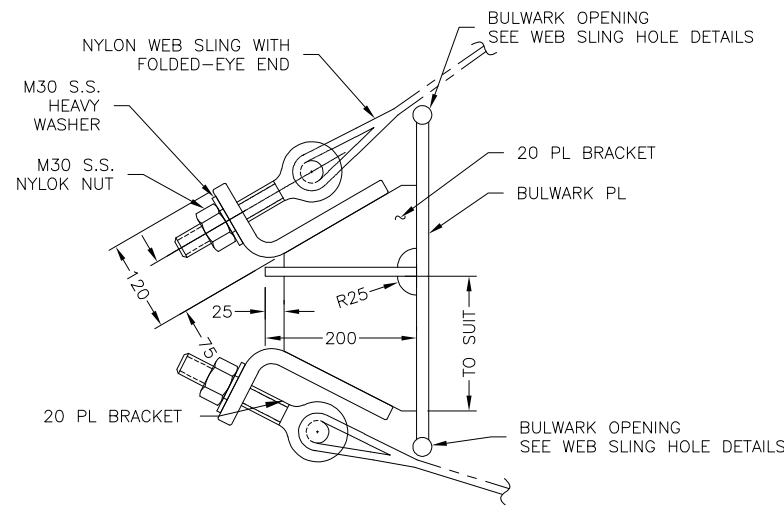
VIEW D-D  
SHEER D-FENDER



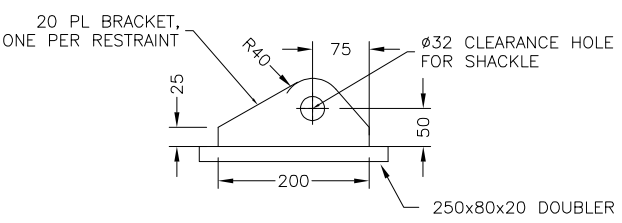
VIEW E-E  
STERN FENDER



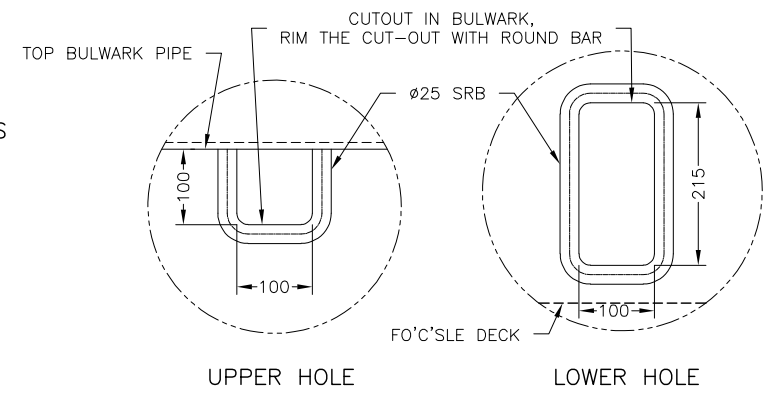
TYPICAL W480x300 "W"-FENDER DETAIL  
\*DIMENSIONS SHOWN FOR REFERENCE ONLY  
REFER TO FINAL SELECTED EQUIPMENT FOR DETAILS



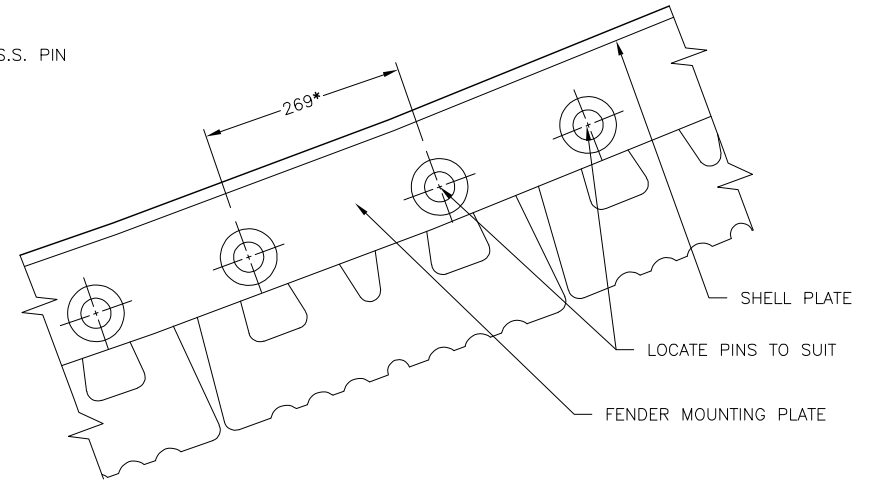
UPPER CYLINDRICAL WEB SLING RESTRAINT DETAILS



LOWER CYLINDRICAL WEB SLING RESTRAINT DETAILS



WEB SLING HOLE DETAILS  
HOLE CUT IN BULWARK PLATE TO ALLOW 100mm WEB SLING TO PASS THROUGH  
DIMENSIONS FOR REFERENCE, ADJUST TO SUIT SELECTED WEB SLING



TYPICAL W480x300 MOUNTING PLAN  
\*DIMENSIONS SHOWN FOR REFERENCE ONLY  
REFER TO FINAL SELECTED EQUIPMENT FOR DETAILS



Rev.	Pages	Description	Date	Sign.
0	8	First Issue	11-06-2024	Chaturanan

**70 T BOLLARD PULL ASD TUG**



**UDUPI COCHIN SHIPYARD LTD**  
(A Cochin Shipyard Company)

YARD NO	UY171, 172 &174	<b>70 T BOLLARD PULL ASD TUG</b>																		
OWNER	OCEAN SPARKLE LTD	<b>PURCHASE TECHNICAL SPECIFICATION FOR SUPPLY OF W, D &amp; CYLINDRICAL TYPE FENDERS</b>																		
APPROVED	AJITH KUMAR T																			
CHECKED	SARUN S KUMAR																			
PREPARED	CHATURANAN																			
DATE	11-06-2024	Doc. No.: PTS-171-041	Rev. No: 0																	
ISSUED TO	NO. DEP.																			

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MALPE – 576108 INDIA

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## TECHNICAL SPECIFICATION FOR FENDERS

### SECTION A

#### 1.1.Introduction

The 70 T Bollard Pull Azimuth Stern Drive (ASD) tug vessel shall be built by Udupi Cochin Shipyard Ltd (UCSL), a fully owned subsidiary of Cochin Shipyard Ltd. As part of this tender yard indents to offload the supply, manufacturing of W, D and the Cylindrical fenders along with their fittings as a package and the cylindrical fenders shall be installed by the supplier. All required accessories/spares for the fenders are included in the scope of supply.

#### 1.2.Quantity

The quantity indicated above is for only One (01) vessel. **The total requirement is for Three (03) vessels.** The supply shall be as per Section B of this specification.

#### 1.3.Class & Flag Rules

The vessels shall be built under the following flag and classifications:

Flag	: India
Classification 2	: Indian Register of Shipping.
Class notation	: ⚓ SUL ⚓ IY TUG INWATER SURVEY AGNI 1 (2400 m3/hour)
Type	: “Indian Coastal Vessel”

#### 1.4.Rules and Regulations

Tug shall be built in compliance with all relevant International Standards as applicable at the time of construction, including (but not limited to) the following.:

- COLREGS - International Regulations for Preventing Collisions at Sea
- Load Lines, 1966/1988 - International Convention on Load Lines, 1966, as Amended by the Protocol of 1988
- MARPOL - International Convention for the Prevention of Pollution from Ships
- Tonnage - International Convention on Tonnage Measurement of Ships, 1969
- International Labour Conference – Maritime Labour Convention, 2006
- IMO regulations A 468 (Noise levels) and ILO Recommendation R141 as far as practicable for tugs.
- International Convention on the Control of Harmful Anti-Fouling Systems on Ships, 2001
- Director General of shipping order 01 of 2014 or its latest amendment as applicable.



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### **1.5. Class Compliance, Testing & Inspection**

In general, the supplier shall submit/obtain all the plan approvals/certifications of the fenders/components/accessories included in the supply package.

- The Fender and associated accessories shall have Unit approval or Type approval (as applicable) from IRS.
- Each unit shall be inspected, tested, and certified in accordance with the maker's standard and Classification Rules in the presence of the Class surveyor. The Class approval of supplied item is included in the scope of the supplier/manufacturer.
- All certificates required by the Class Rules & Regulations shall be provided.

### **1.6. Guarantee**

The Fenders and accessories shall be guaranteed against defective design, material, and workmanship and underperformance till, for a period as mentioned in commercial terms and conditions. Guarantee of the fenders shall be as per commercial terms and conditions.

### **1.7. Particulars of the vessel**

The principal design characteristics of the vessel shall be as follows:

Length overall (exclude fenders)	:	abt. 33.0 m
Length between perpendiculars	:	abt. 32.0 m
Breadth moulded	:	abt. 12.2 m
Depth midships	:	abt. 5.52 m
Design draught (Hull)	:	abt. 4.2 m
Navigational draught	:	abt. 5.10 m
Complement	:	12

### **1.8. Design Conditions**

The following ambient conditions shall be considered for the selection of the Vessel's Fender and accessories. Fenders shall be able to deliver its specified output and operate satisfactorily under tropical conditions as mentioned below:

Sea water temperature	:	max. 32° C min. 5° C
Air temperature outside	:	max. 40° C min. 10° C
Relative Humidity	:	max. 90% min. 50%
List, rolling, trim and pitch according to limits as per Class		

The above requirements are to be considered as a minimum, any other requirements which are necessary to meet class/IMO/flag rules/regulations shall be considered for the design and operation of the fenders.



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### **1.9. Supply of Documents**

All documents shall be in English and in the metric system and the following documents shall be submitted, where applicable. The drawing approval where required by the Classification Society shall be obtained by the manufacturer.

#### **1.9.1. Documents to be submitted along with the offer**

- a. General arrangement drawing of fender and fitting details, fixing details in Auto CAD/Dxf format.
- b. Installation drawing and guidelines.
- c. List of items quoted including service of engineers during commissioning.
- d. List of items if any, not covered in the supplier's scope of supply.
- e. Preliminary fender documents with type, description, size, weight, CG, composition/Grade of material for fender/accessories.
- f. Preliminary drawing with sizes of bolts and clearances if required for maintenance.
- g. One soft copy of the technical offer is to be sent as an attachment.

#### **1.9.2. Documents are to be submitted within 2 weeks after the placement of Order/LOI/As per the final agreement**

- a. Detailed Bill of Material - D type, W type, cylindrical type and its fittings.
- b. Drawing of the W type, D type and cylindrical fenders and its fittings.
- c. Detailed Procedure for the fitment of W type, D type, cylindrical fenders and their fittings.
- d. Installation and commissioning details.
- e. Details of shop tests and inspection for all items.

#### **1.9.3. Documents to be submitted along with the delivery of Fenders and its fittings to the Yard (4 sets/ship unless otherwise mentioned)**

- a. Test certificate by classification society (IRS) for the fenders/accessories (As required)
- b. Type approval certificate for the fenders/accessories (As required)
- c. Manufacturers Test certificate as applicable (4 copies with original)
- d. Test and inspection results
- e. Packing list (with reference to each item of the Bill of Materials)
- f. Instruction and maintenance manuals (4 sets and one soft copy on CD)
- g. Spare parts manual (4 sets)
- h. Control & monitoring system manuals/drawings
- i. Test Certificate for All types of fenders, pins, slings, shackle, and any other fittings



### 1.10. General Remarks

a. Liability

The manufacturer shall bear all responsibilities for the necessary testing, certification, and delivery to the shipyard of the supplied items.

b. Screw Thread/slings/shackle/pins and fittings

Screw thread/slings/shackles/pins shall be in accordance with the Tug building standards and shall be included in the scope of supply and installation.

c. Painting

The fittings to be supplied are to be Hot dip Galvanised with a minimum

d. Preservation

The recommended method of preservation and names of recommended preservatives shall be indicated. R.H. (Relative Humidity) at Malpe in Karnataka is around 80%.

e. Special Tools

Special tools for cutting and shaping of the fenders as applicable for installation are to be arranged by the supplier during installation.

### 1.11. Compliance Matrix

A compliance matrix in the following format shall be submitted by the supplier along with the offer. Deviations from the Technical specification shall be specifically indicated.

**Table 2**

VENDOR NAME AND ADDRESS:				SPEC.NO/OFFER NO:	
				PAGE NO:	
ITEM DESCRIPTION:				SHIP: UY 171, 172 & 174	
Sl.No.	SPEC.CLAUSE NO.	REQUIREMENT	STATUS (A/N/C*)	DEVIATION/REASON	FOR UCSL COMMENT

A-Acceptable, N-Not Acceptable, C-Conditional acceptance.

### 1.12. Place of Delivery

Udupi Cochin Shipyard Ltd, Baputhota Warehouse Complex, Malpe, Udupi – 576108

### 1.13. Required Date

Sl.No.	Description of supply	Date of delivery
1	Fenders and its fittings – UY171	28 February 2025
2	Fenders and its fittings – UY172	30 May 2025
3	Fenders and its fittings – UY174	30 December 2025



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## **SECTION B: TECHNICAL SPECIFICATION**

### **2.1. Technical Specification – Fender and its fittings (Qty per vessel)**

The quantity indicated below is for 01 vessel.

- |              |   |
|--------------|---|
| Bow fender   | - Upper Cylindrical Fender: 800 OD x 400 ID mm ( <b>Finished length 32m</b> )<br>- Lower Cylindrical Fender: 800 OD x 400 ID mm ( <b>Finished length 22.7m</b> )<br>- W fender: 500 mm wide x 450 mm thick ( <b>Total Length – 19.33m</b> ) |
| Stern fender | - W fender: 480 mm wide x 300 mm thick ( <b>Total length - 33.51m</b> )   |
| Sheer        | - D fender: D bore 300 mm x 300 mm ( <b>Finished length 56.88m</b> )<br>- Partial Cylindrical Fender: 600 OD x 300 ID mm ( <b>Finished length 1.68 m</b> )  |

*(The Detailed General arrangement fender drawing is also enclosed. Refer to annexure for details of individual lengths of fenders for W and D fenders.)*

- |                        |   |
|------------------------|---|
| Fitment                | - "D", "W" or cylindrical fenders secured between steel fender bars with stainless steel pins<br>- all details (chain size, pin diameter, straps, spacing, etc.) as shown on the drawing<br>- straps (where fitted) to suit selected fender |
| Water spray            | - Provided for bow fenders, supplied by fire/gp pump (Fender lubrication).  |
| Material of the fender | - Extruded, High abrasion resistant rubber with high toughness and shock absorption properties  |
| Material of fasteners  | - Stainless steel 316   |

### **2.2. Installation**

- The sizing of the fender to the site conditions, cutting of the fender, installation, fastening and strapping (as applicable) shall be to the supplier's scope.
- Additional intermediate pins are to be provided in the W Fenders wherever the size is more than 1 m, or as per the recommendations of the Owner/Class, if so desired.
- Maximum length of cylindrical fender shall be provided to minimize the number of joints according to the vessel profile.
- Additional intermediate straps are to be provided in the cylindrical fenders & accessories as per the recommendations of the Owner/Class, if so desired.
- Appropriate stiffening interconnector must be placed between two adjacent cylindrical fenders.
- Cone shape has to be designed properly at the end of the fender as per the drawing attached.
- Necessary assistance for installation such as labour assistance, scaffolding, material movement, material handling equipment's, and cranes shall be supplied by the yard.
- Necessary special tools that are required for sizing/cutting of the fender shall be brought by the supplier.
- The fastening arrangement on the hull – the flat bars duly sized as per the manufacturer's recommendation shall be provided by the yard.
- In situ drilling of the securing arrangement, as applicable, shall be done by the yard, as per the recommendations of the attending supplier representative at the site.
- The fenders are to be installed to the satisfaction of the yard QC, owners' representative and the class surveyors (as applicable).

### **Important points to be Noted:**

1. Fender arrangement drawing attached with details.
2. All Fender restraint hardware to be stainless steel.
3. All securing holes for fender mounting pins are to be punched or drilled, not flame-cut.
4. Supplier shall supply Fittings as per matching arrangement drawing.



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5. Supplier should verify the arrangement, details, and dimensions of Fender arrangement drawing.
6. Scope of Supply with Item wise description, material specification, quantity, drawings, and other relevant information in line with this PTS is to be submitted along with the bid for review.
7. Deviation, if any, is to be submitted to Yard/Owner for approval.

**The following details are to be provided by the supplier and necessary certificates/type approval is to be submitted for yard/owner approval.**

**Table 4**

Sl.no	Item name	Uom	Qty.	Remark
1	Supply of W fender with Pin & accessories	Shipset	1	
2	Supply of D fender with Pin & accessories	Shipset	1	
3	Supply and Installation Cylindrical fender with Straps, pin & accessories for cylindrical fender	Shipset	1	

### **2.3. Conditions of supply**

- 2.3.1 The Fenders and their fittings should be manufactured with the best quality material and workmanship.
- 2.3.2 The Fenders and their fittings shall be under the supplier's scope; shall be new, unexploited and of a marine quality suitable for the intended service. Also, these supplied items shall be equipped for efficient and proper working under the worst marine conditions. Anything necessary to accomplish this must be supplied notwithstanding any omission in the specification.
- 2.3.3 Supplier should tender advice free of any charges in respect of the offered layout drawings, Installation drawings in way of mounting, and also assist in answering of queries from the Yard/Owner.
- 2.3.4 Supplier should also undertake to study any drawing submitted by the shipyard and offer approval/comments/advice on them free of any charge.

### **2.4. Spare parts, Inventories, Tools & Training for crew**

- 2.4.1 Following spares shall be included in the scope of supply.
- 2.4.2 Manufacturer's standard recommended consumable spares, special jigs and tools for maintenance of the supplied items and fittings shall be included in the scope of supply.
- 2.4.3 Installation and Commissioning spares as per Manufacturer standards shall be included in the scope of supply.
- 2.4.4 Each part or set of parts shall be individually packed and protected against abrasion, transportation damages, dampness and deterioration.
- 2.4.5 Each part is to have a tie-on label and duplicate labels attached to the exterior of each package. All labels are to be indelibly marked with the designated type and name and serial number/part number and also marked with the name of the machinery for which it is intended.

**NOTE:** Notwithstanding any omission in this specification, all items/features required as per class rules/statutory regulations, safe working and good ship-building practice shall be included in the offer by the bidder.

**Attachment –**

- a) Fender dimensions
- b) Fendering Arrangement drawing



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**ANNEXURE-A**

**800 OD x 400 ID Cylindrical Fender**

Item	Dimension	Length (PORT+STBD)
TOP CYLINDRICAL BOW FENDER	800 OD x 400 ID	APPROX 32.0m
BOTTOM CYLINDRICAL BOW FENDER	800 OD x 400 ID	APPROX 22.7m
<b>Total Length (PORT+STBD)</b>		<b>54.7 m</b>

**Cylindrical Fender**

Cylindrical fender may be supplied as against of 3 or 4 sections as per manufacturer standard. The section is to be assembled and installed to suit at the site and shall ensure the functioning of the fender as a single integral unit without rattling/sluggishness. Necessary fastening/Strapping is to be catered accordingly. Detail arrangement drawing as per manufacturer standards is to be submitted along with the bid.

**300x300 HOLLOW "D" FENDER**

Item	Length (m)
Total Length (STBD)	26
Total Length (PORT)	26
Stub piece (STBD)	2.51
Stub piece (PORT)	2.51
<b>Total Length (PORT+STBD)</b>	<b>57.02</b>

**"W" TYPE BOW FENDER**

AFT (480 mm wide x 300 mm thick)			FWD. (500 mm wide x 450 mm thick)		
Sl. No.	Length (STBD)		Sl. No.	Length (STBD)	
	1st Length (mm)	2nd Length (mm)		1st Length (mm)	2nd Length (mm)
1	380	574	1	297	318
2	574	766	2	318	344
3	766	954	3	344	375
4	954	1109	4	375	410
5	1109	1088	5	410	454
6	1088	1083	6	454	511
7	1083	1085	7	511	586
8	1085	1092	8	586	659
9	1092	1101	9	659	730
10	1101	1110	10	730	818
11	1110	1118	11	818	919
12	1118	1127	12	919	1038
13	1127	1132	13	1038	1202
14	1132	1136	14	1202	1299
15	1136	1137	<b>Total Length (STBD)</b>		<b>9663</b>
16	1137	1140	<b>Total Length (PORT+STBD)</b>		<b>19326</b>
<b>Total Length (STBD)</b>		<b>16752</b>			
<b>Total Length (PORT+STBD)</b>		<b>33504</b>			



**NOTES:**

1. REFER TO THE ROBERT ALLAN LTD. DRAWING AND CONTRACT SPECIFICATION PACKAGE IN ITS ENTIRETY. PARTICULAR ATTENTION SHOULD BE PAID TO THE FOLLOWING:
  - 10010 LINES PLAN
  - 21010 STRUCTURAL ARRANGEMENT
  - 21050 STRUCTURAL SECTIONS
  - 22210 BULWARKS STRUCTURE
  - 30000 GENERAL ARRANGEMENT
2. ALL FENDER DETAILS ARE TYPICAL – DETAILS AND DIMENSIONS ARE TO BE VERIFIED WITH SUPPLIER BASED UPON PURCHASED FENDERS.
3. CYLINDRICAL FENDERS: TEMPORARILY INSTALL FENDER IN PLACE TO LOCATE STRAP POSITIONS – DO NOT MEASURE FROM THIS DRAWING. ENSURE THE SPACING OF FENDER NOTCHES AND PLACEMENT OF FENDER DOES NOT RESULT IN INTERFERENCE OF WEB SLINGS WITH BULWARK STRUCTURE, WEB SLING RESTRAINTS ARE TO BE ARRANGED TO SUIT CYLINDRICAL FENDER NOTCHES WITH THE FENDER IN PLACE. IN THE EVENT OF STRUCTURE INTERFERING WITH RESTRAINTS, ADJUST STRUCTURE OR NOTCH TO SUIT.
4. GRIND SMOOTH ALL EDGES IN ACCORDANCE WITH SPECIFICATION. PARTICULAR ATTENTION TO BE PAID TO EDGES IN CONTACT WITH FENDERS IN WAY OF WEB SLINGS.
5. PAINT ALL STEELWORK BEHIND FENDERS BEFORE FINAL INSTALLATION OF FENDERING.
6. ALL FENDER RESTRAINT HARDWARE TO BE STAINLESS STEEL.
7. ALL SECURING HOLES FOR FENDER MOUNTING PINS TO BE PUNCHED OR DRILLED, NOT FLAME-CUT.
8. APPLY WELDING PROCEDURES, MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH CLASS REQUIREMENTS AND APPROVED WELD SCHEDULE. APPLY DOUBLE CONTINUOUS WELD TO ALL CONNECTIONS OF FENDER ATTACHMENTS.
9. LUBRICATE ALL BOLT CONNECTIONS THOROUGHLY TO AVOID GALLING.
10. PROVIDE A WATER SPRAY FENDER LUBRICATION SYSTEM ACCORDING TO CONTRACT SPECIFICATION.

**ABBREVIATIONS:**

ABL	- ABOVE BASELINE	PL	- PLATE
CL	- CENTRELINE	P, PORT	- PORT SIDE
DWG.	- DRAWING	REF	- REFERENCE
FB	- FLAT BAR	SRB	- SOLID ROUND BAR
FR.	- FRAME	S.S.	- STAINLESS STEEL
ID	- INSIDE DIAMETER	S, STBD	- STARBOARD
IWO	- IN WAY OF	STIFF.	- STIFFENER
MIN.	- MINIMUM	SWL	- SUMMER LOAD WATER LINE
O.C.	- ON CENTRE	TYP.	- TYPICAL
OD	- OUTSIDE DIAMETER		



**ROBERT ALLAN**  
Naval Architects & Marine Engineers

Designed in Vancouver, Canada  
[www.ral.ca](http://www.ral.ca)

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This document is for guidance only, indicating the key characteristics of the design's configuration, performance, materials, and standards of construction based on preliminary equipment selection. It is not intended to be the sole basis for construction. The builder, or any other party that uses or relies on or makes decisions based on this document, assumes full responsibility to complete detailed engineering design and finalize equipment selection to a point suitable for construction and implementation.

**Engineers and Geoscientists BC Permit to Practice number 1001019**

**CONTRACT DESIGN**

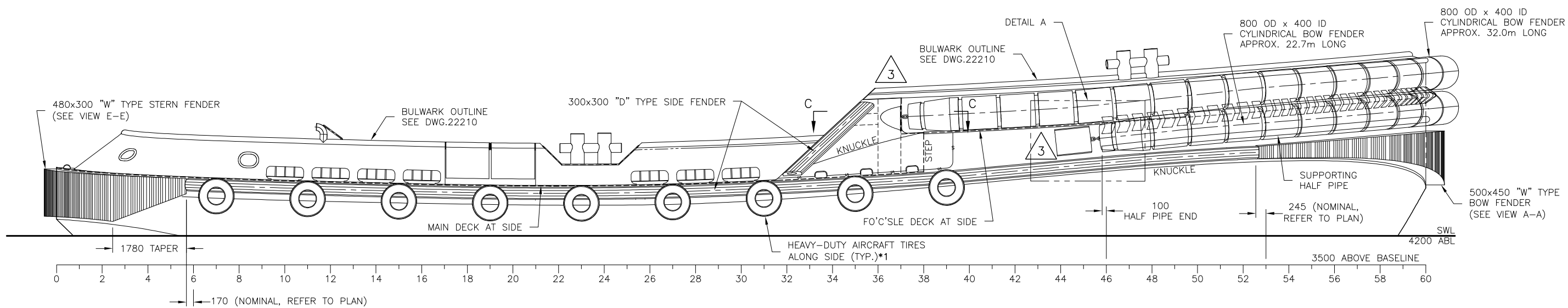
DESIGN  
**RAmparts 3300 Tug**  
70T BP Variant

CLIENT  
**UDUPI COCHIN SHIPYARD LTD**

TITLE  
**FENDERING ARRANGEMENT**

DRAWN BY MV	ENGINEER MY	PLOT SIZE ANSI B	SHEET 1 OF 5
PROJECT 222-032A	DRAWING 45000	REV. 3	

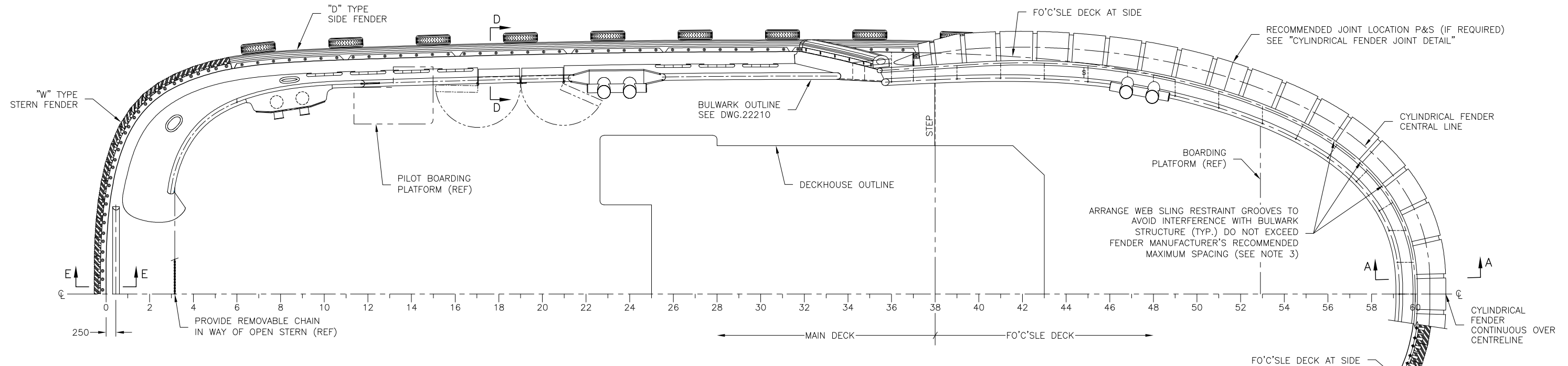
3	REPLACE CYLINDRICAL NYLON BELT WITH CHAIN. ADJUST POSITION, LOWER FENDER MOUNT, NOTE AS TO SUIT. MINOR DRAFTING CORRECTIONS.	SEP. 14/23	BC	MY	MY
2	UPPER CYLINDRICAL FENDERS UPDATED TO SHOW THEM GRADUALLY LOWERED AND LANDING ON THE FORECASTLE DECK, UPDATED BULWARKS, GEOMETRY, SHOWED HALF PIPE SUPPORT, DRAFTING CORRECTIONS	JUL. 05/23	MV	BC	MY
1	FIRST ISSUE	APR. 05/23	MV	MY	MY
REV.	REVISIONS	DATE	DWN	CHK	APP.



**OUTBOARD PROFILE**

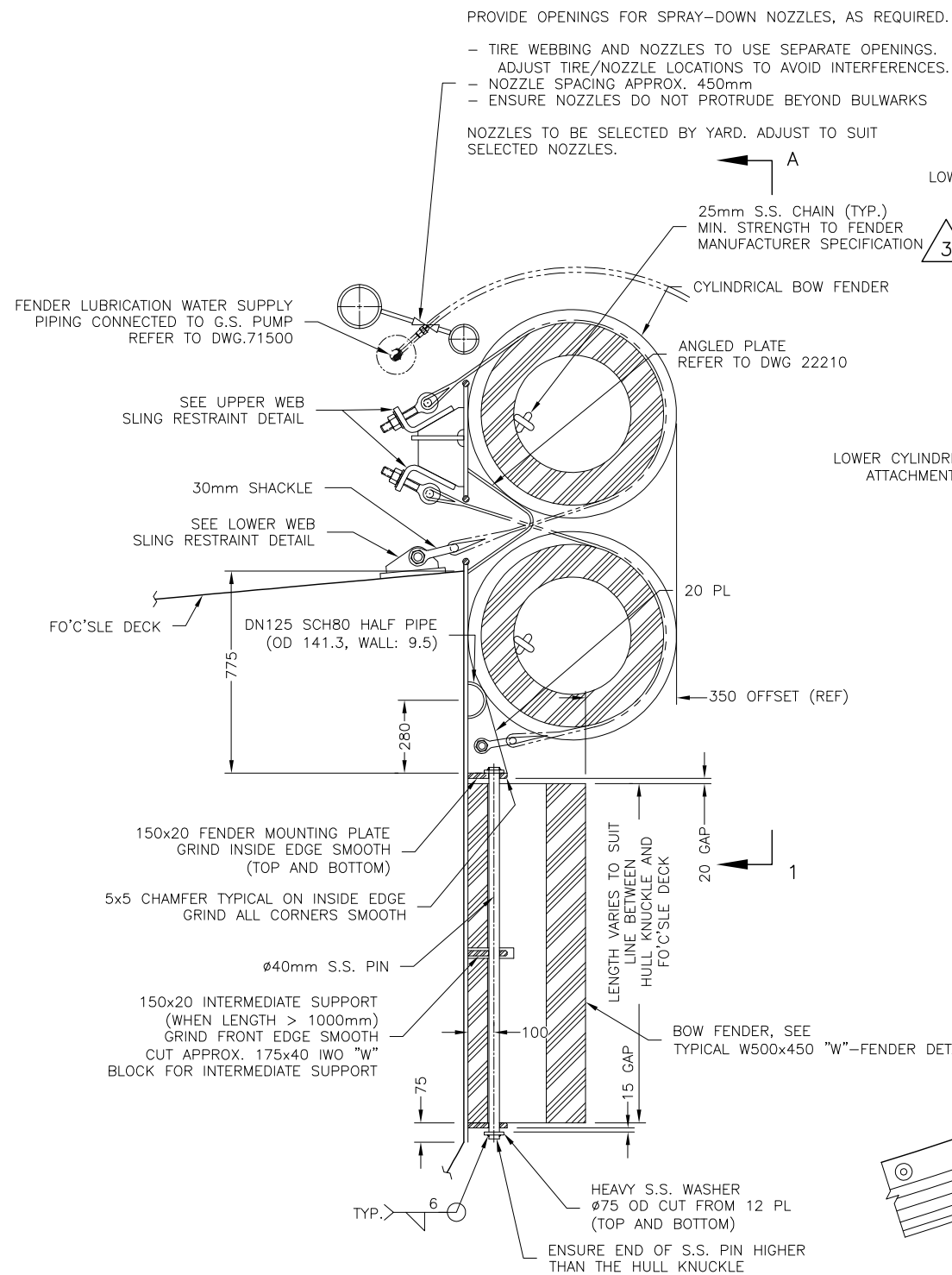
STARBOARD SIDE SHOWN, LOOKING TO PORT  
PORT SIDE SIMILAR

\*1 34x10.75 (ø864 OD) TIRES SHOWN FOR REFERENCE.  
ADJUST TO SUIT SELECTED TIRE. VERIFY LOCATION  
TO SUIT OWNER PREFERENCE.

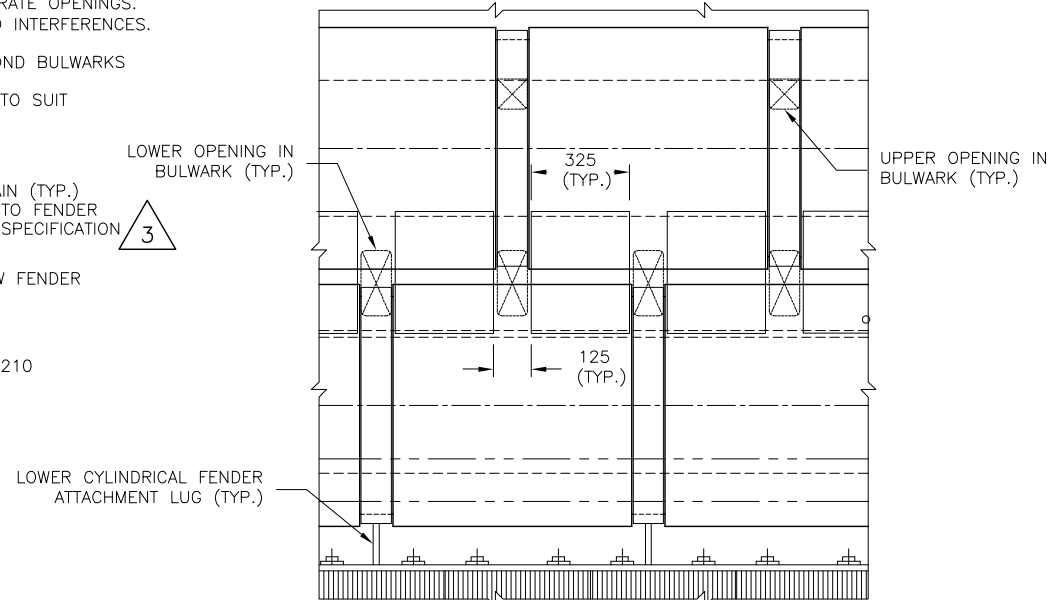


**DECK PLAN**

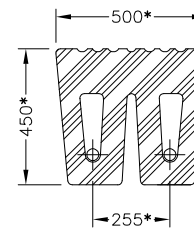
PORT SIDE SHOWN, STARBOARD SIDE SIMILAR



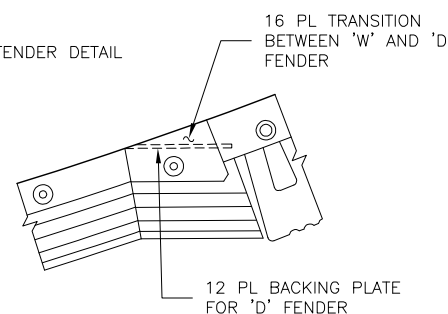
VIEW A-A  
IN WAY OF BOW FENDERING SHOWING  
TYPICAL BOW FENDER DETAILS



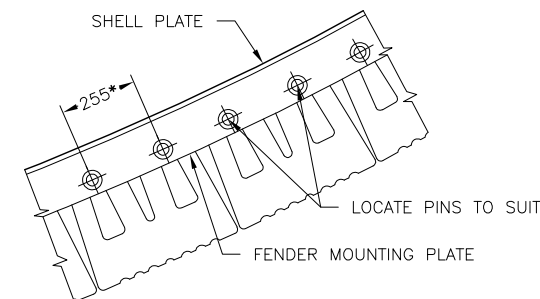
VIEW A-1



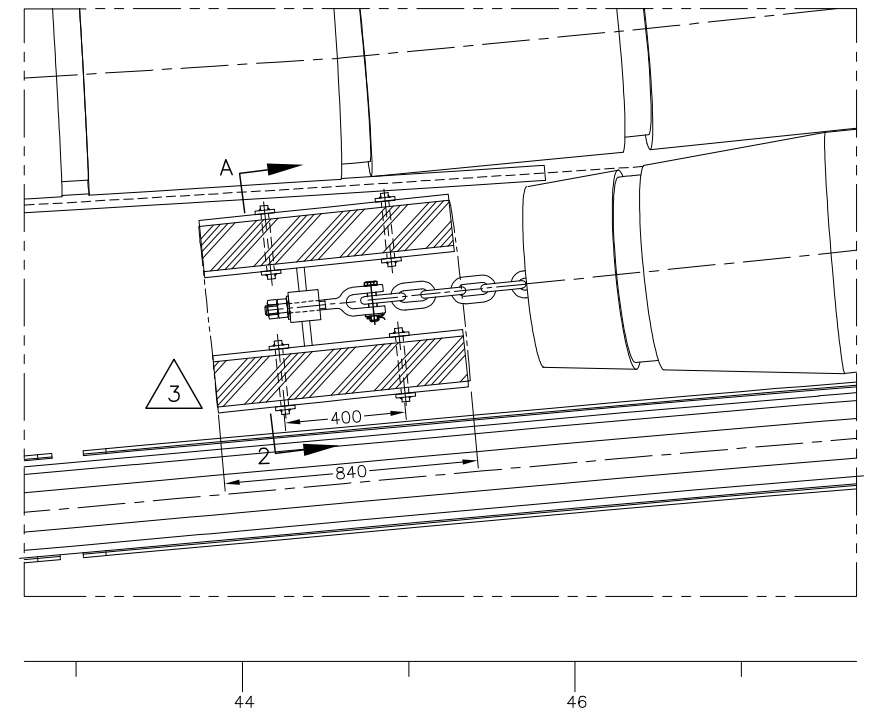
TYPICAL W500x450 "W"-FENDER DETAIL  
\*DIMENSIONS SHOWN FOR REFERENCE ONLY  
REFER TO FINAL SELECTED EQUIPMENT FOR DETAILS



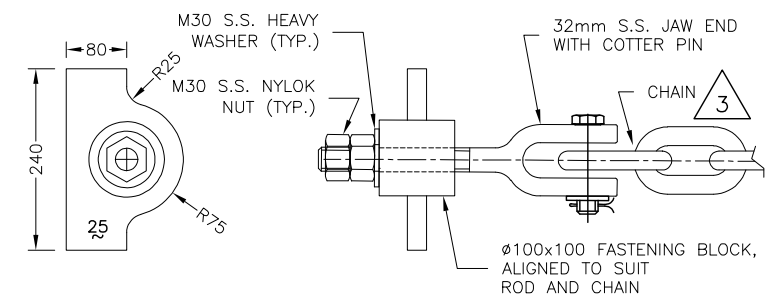
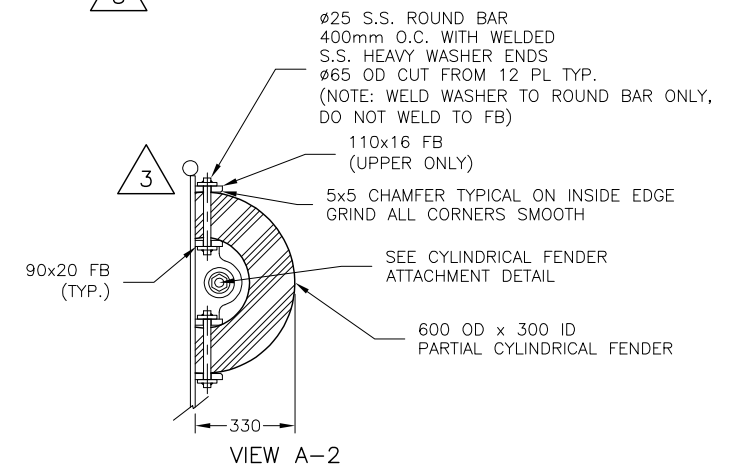
"D" TO "W" FENDER TRANSITION DETAIL



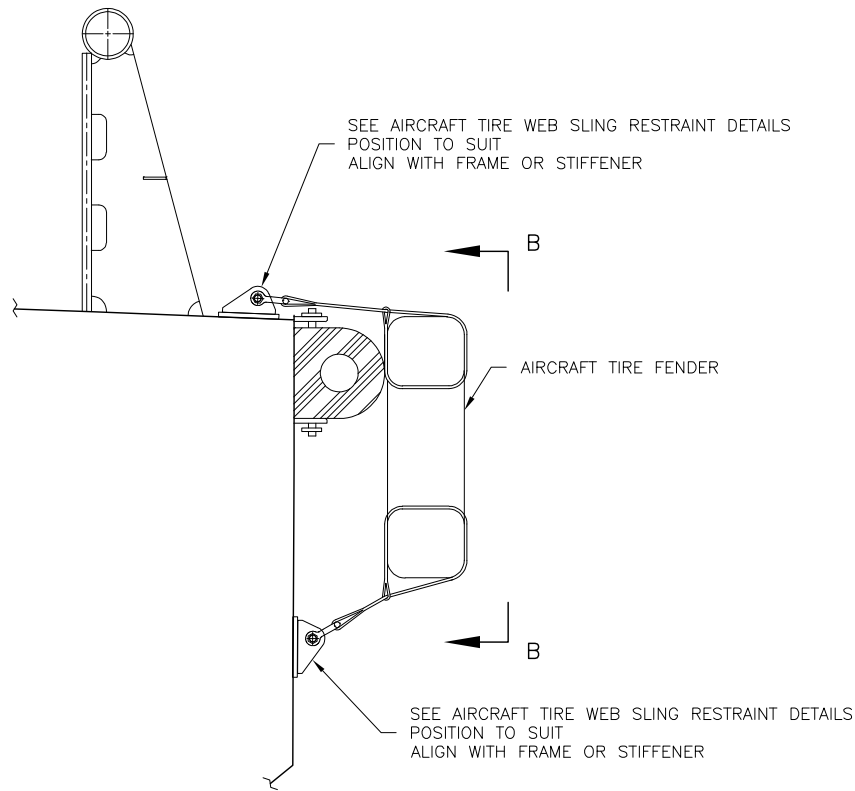
TYPICAL W500x450 MOUNTING PLAN  
\*DIMENSIONS SHOWN FOR REFERENCE ONLY  
REFER TO FINAL SELECTED EQUIPMENT FOR DETAILS



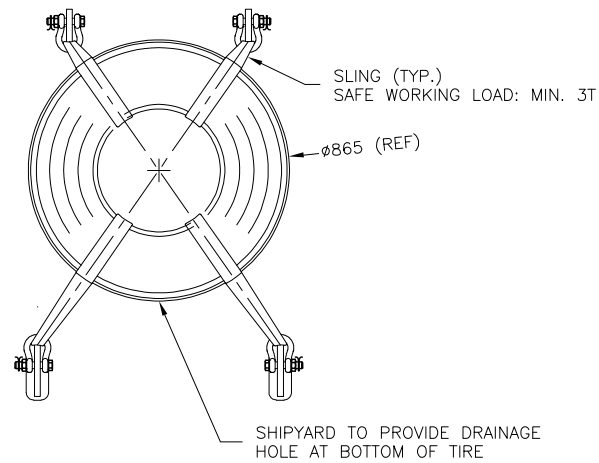
DETAIL A  
LOWER CYLINDRICAL FENDER END DETAILS  
(ADJUST POSITION TO SUIT)



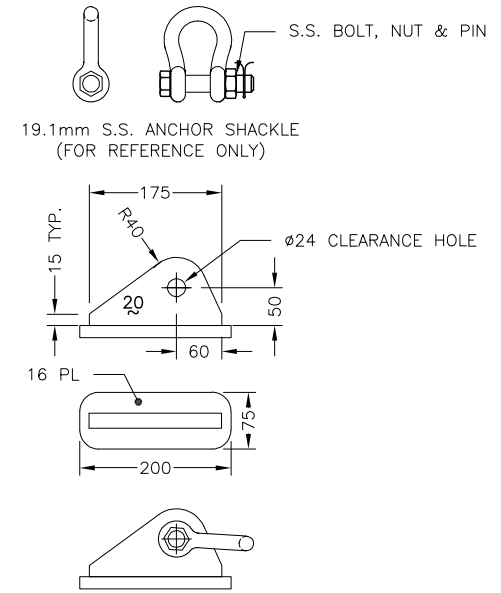
CYLINDRICAL FENDER ATTACHMENT DETAIL  
LOWER CYLINDRICAL FENDER ATTACHMENT SHOWN  
SCALE 1:10



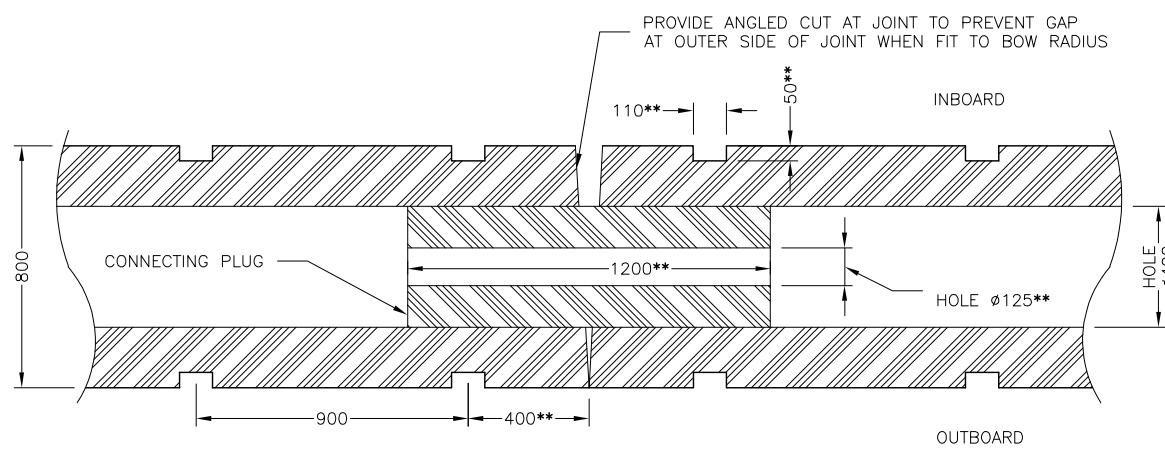
AIRCRAFT TIRE MOUNTING DETAIL  
TYPICAL AIRCRAFT TIRE MOUNTING. ADJUST TO SUIT



VIEW B-B

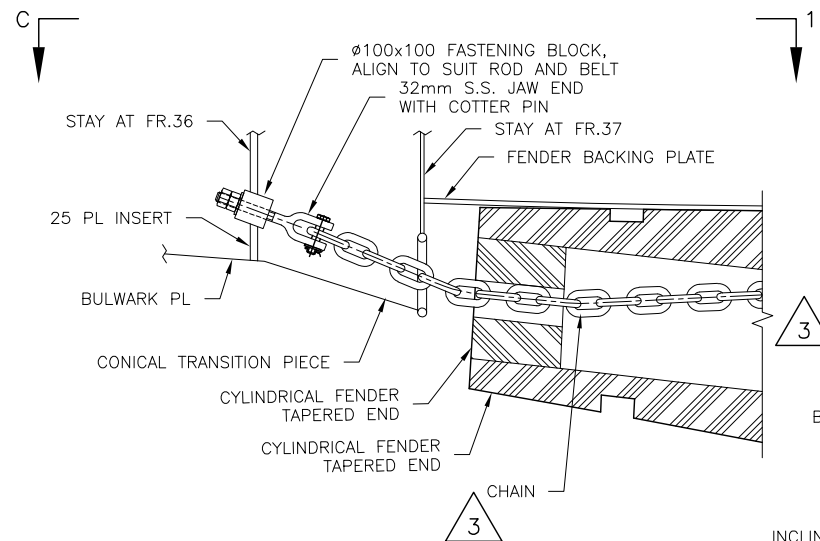


AIRCRAFT TIRE WEB SLING RESTRAINT DETAILS  
SCALE: 1:10

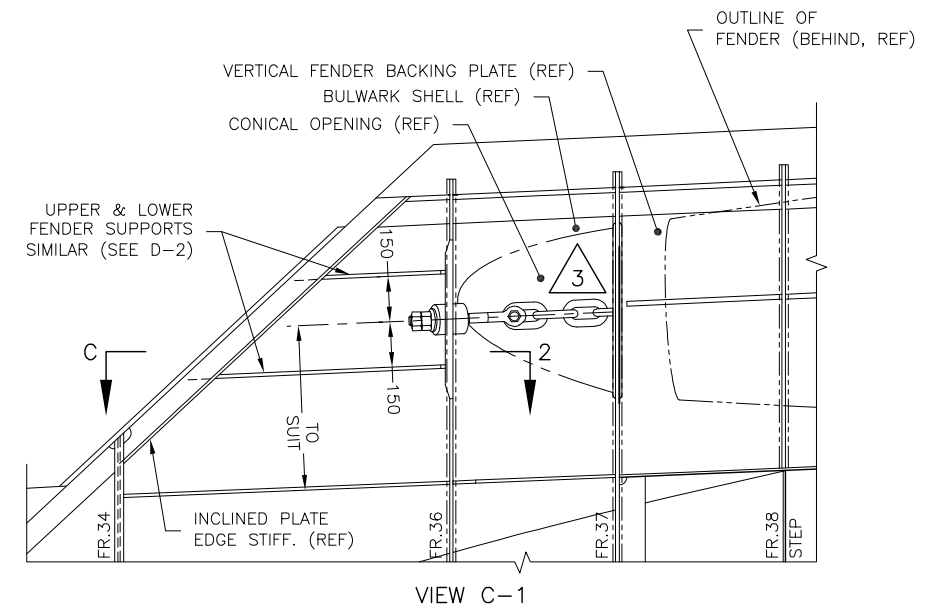


NOTE:  
\*\*: DIMENSION FOR REFERENCE ONLY, SHIPYARD TO VERIFY  
WITH FENDER MANUFACTURER.

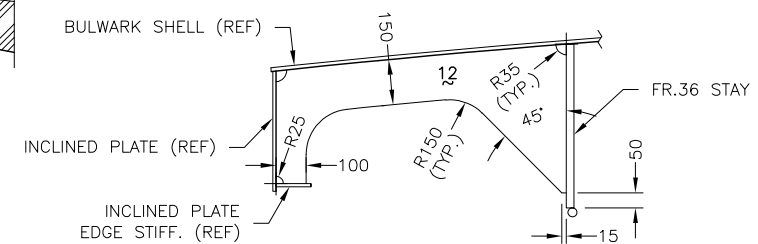
CYLINDRICAL FENDER JOINT DETAIL  
LOCATE JOINT AS FAR FROM VESSEL CENTRELINE AS POSSIBLE  
AND OUT OF VERTICAL ALIGNMENT WITH OTHER FENDER



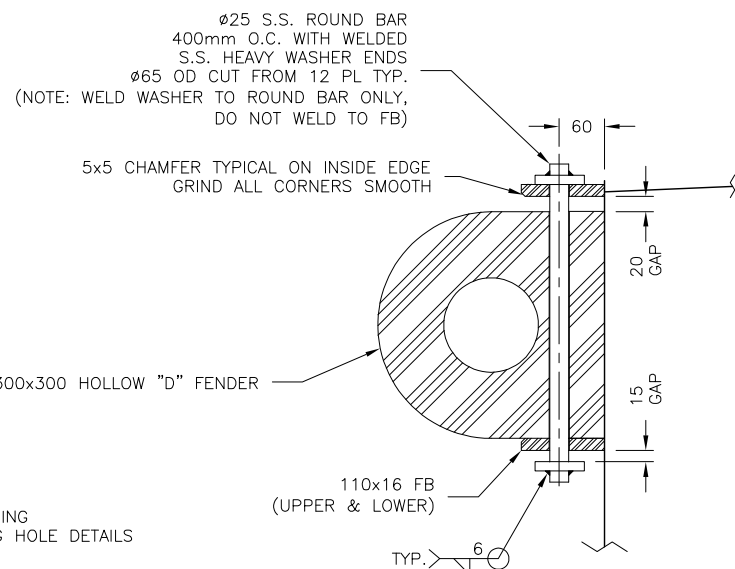
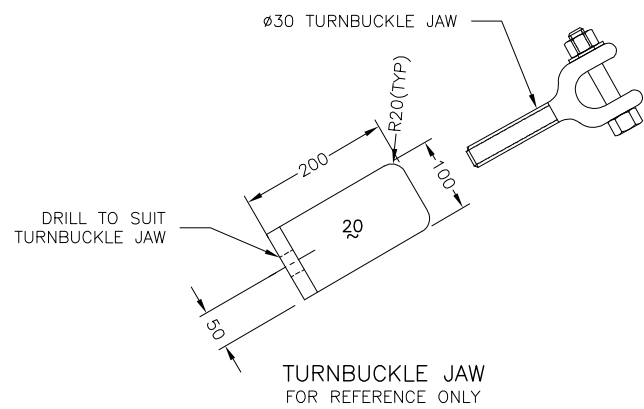
VIEW C-C  
CYLINDRICAL FENDER END CONNECTION



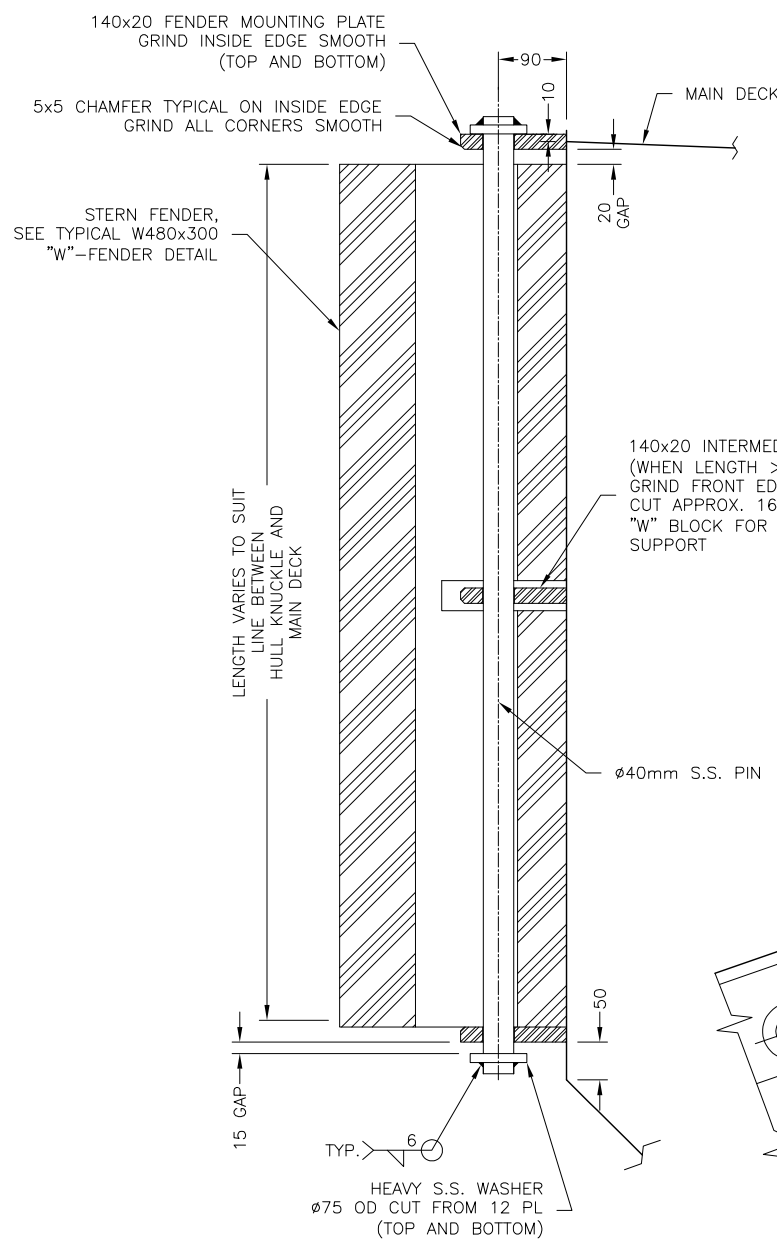
VIEW C-1



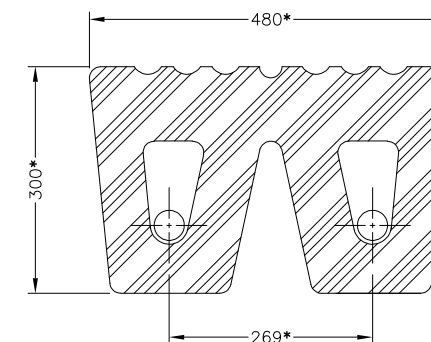
VIEW C-2



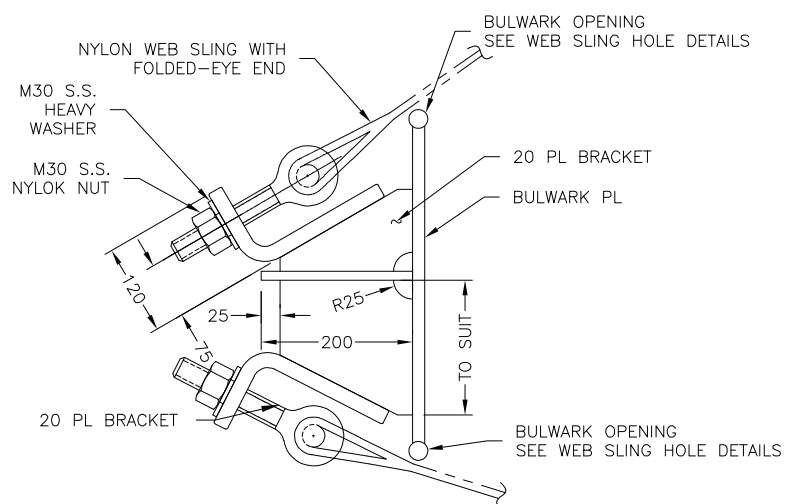
VIEW D-D  
SHEER D-FENDER



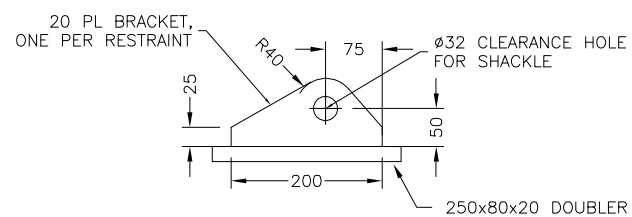
VIEW E-E  
STERN FENDER



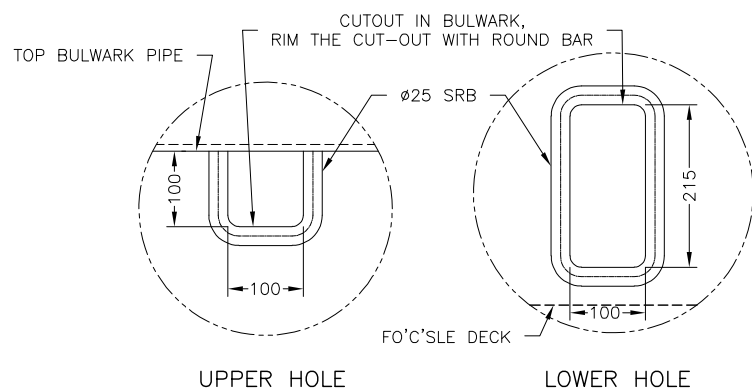
TYPICAL W480x300 "W"-FENDER DETAIL  
\*DIMENSIONS SHOWN FOR REFERENCE ONLY  
REFER TO FINAL SELECTED EQUIPMENT FOR DETAILS



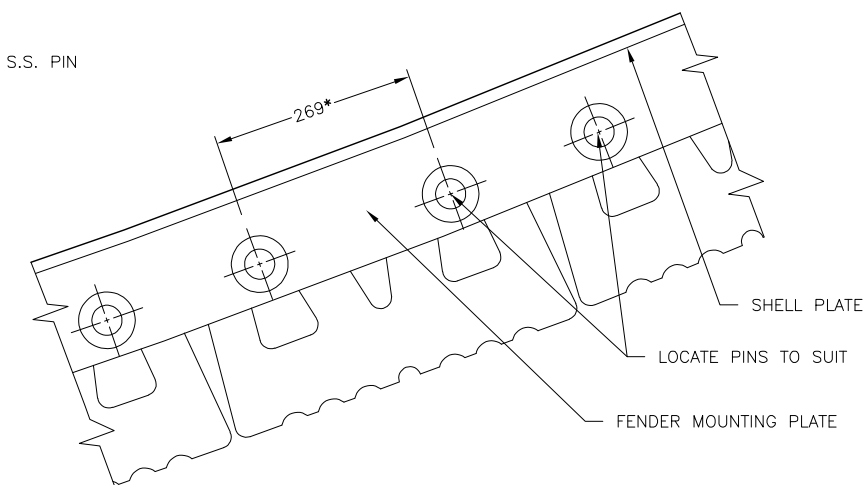
UPPER CYLINDRICAL WEB SLING RESTRAINT DETAILS



LOWER CYLINDRICAL WEB SLING RESTRAINT DETAILS



WEB SLING HOLE DETAILS  
HOLE CUT IN BULWARK PLATE TO ALLOW 100mm WEB SLING TO PASS THROUGH  
DIMENSIONS FOR REFERENCE, ADJUST TO SUIT SELECTED WEB SLING



TYPICAL W480x300 MOUNTING PLAN  
\*DIMENSIONS SHOWN FOR REFERENCE ONLY  
REFER TO FINAL SELECTED EQUIPMENT FOR DETAILS

**Annexure 02/A GENERAL TERMS AND CONDITIONS**

SL NO	Description	Compliance by Supplier (YES/NO) In case of noncompliance, please provide remarks.
1	Tenderers are to carefully go through the terms and conditions and the technical specification of the items for which offers are called for. Tenderers have to adhere to above and supply full technical scope of items along with compliance of commercial conditions. UCSL have full right upon deviations, if any, including rejecting the partial scope/ complied offers.	
2	Offers are to be furnished in duplicate and should be free from overwriting. Corrections and additions, if any, must be attested. <del>In the case of E tender offers shall be submitted only through UCSL E procurement portal.</del> Incomplete/ambiguous/conditional offers are likely to be rejected.	
3	Technical checklist, if applicable and current general terms & conditions of enquiry duly filled and signed and technical specifications of items offered (refer clause 5), should be submitted along with part-1 techno-commercial bid in the case of two-bid tenders <del>and along with the bid documents in the case of single bid.</del> Non receipt of the document may lead to rejection of offers. <del>In the case of E tender filling up of GTC check list in the portal itself is sufficient.</del>	
	<p><b>Experience Criteria:</b> the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity.</p> <p><b>Past Performance:</b> The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 25% of bid quantity, in at least one of the last three financial years before the bid opening date</p>	
4	Following Certificates/documents is to be submitted for the item in the event of an order: <b>Refer PTS Clause no 1.5 Class Compliance, testing and inspection (page no 3)</b> <b>Refer PTS Clause no 1.9 supply of documents (page no 4)</b> <b>Refer PTS Clause no 1.11 compliance matrix (page no 6)</b>	
5	<b>SPECIFICATIONS:-</b> a) Manufacturer's name, their trade mark and brand, if any, should invariably be mentioned and illustrative leaflets giving technical particulars (technical details of items offered including technical literature) etc., should be attached to the offer. b) Materials offered shall conform to UCSL specifications and drawings. c) <del>Samples are to be supplied free of cost in the event of requirement by UCSL.</del> The detailed working drawing, if called for, is also to be furnished for approval before commencement of manufacture.	
6	Packing materials should be eco-friendly.	
7	Supplier should follow the statutory requirements of product offered.	
8	Products supplied shall be non-toxic and harmless to health. In case of toxic materials, Materials Safety Data Sheet may be furnished along with the material.	
9	<b>Service Assistance:</b> - Necessary service assistance , if required shall be provided	

	<del>b) Cost considered to include all charges incurred for travel, lodging, food and local transport costs.</del>	
	<del>e) Additional man-day rates to be indicated separately (all inclusive of cost for boarding, lodging and local transport etc.) for extension beyond agreed man-days. Additional man-days only applicable after completion of 24 man-days as indicated in 9a for both the vessels together.</del>	
	d) Whether the applicable taxes in India shall be borne by UCSL/Supplier (In the case of foreign vendors)	
	e) Income tax liability of non-resident service engineer based on his period of stay in India shall not be borne by UCSL	
	f). The non-resident vendor/service provider shall provide such documents that are necessitated by the Indian income tax laws so as to enable UCSL to comply with the provisions of Indian statute and for payments of income tax in India. Following documents shall be sought by UCSL in this regard (i) Certificate under 10 (F) (ii) Tax residency certificate (iii) The certification regarding the existence/non-existence of business connection or permanent establishment in India. (The above is only an indicative list)	
10	Taxes and duties, if any, payable extra are to be indicated <del>in the price part for single bid and</del> in techno commercial part and price part (in the case of 2 bid tender).	
11	<b>MSEs, Startups and Make in India</b> a) Local Suppliers (Make In India), MSME firms and Startups will be eligible for various Relaxations in pre-qualification criteria and other Benefits as per the orders promulgated by Government of India. Bidders are advised to refer the details of various Benefits and Relaxation in pre-qualification criteria as published at CSL website ( <a href="http://www.cochinshipyard.in">www.cochinshipyard.in</a> ) under the Tenders tab for further reference.	
12	<b><u>Delivery Period:</u></b> a. Delivery time required for supplies should be indicated in the offer (including time frame for drawing preparation, class approvals, manufacture etc.) Please note, required date at UCSL are as follows: b. The supplier shall submit all the drawings for approval from UCSL within 15 days from the date of PO and UCSL has forward the drawing approval within 15 days thereafter. <b>Material required date at UCSL is within 5 months from the date of PO for 1st Shipset and 8 months from the date of PO for the 2nd Shipset&amp;3rd shipset&amp; 10 months from date of PO for 4th shipset</b>	
13	<b><u>SHIPMENT</u></b> a. Supplier shall intimate UCSL the readiness of the Equipment/ Machinery/ Components and Parts prior to fourteen days of shipment. <del>b. A minimum 14 days free detention period is to be granted for clearance of the goods at Mangalore/Mumbai/Chennai seaport, as applicable for full containers.</del>	
14	<b><u>PAYMENT TERMS:</u></b> a. For <u>equipment's with commissioning</u> <b>UCSL payment term is 90% along with 100% applicable taxes within 30 days from the date of receipt and acceptance of items at UCSL stores after inspection and balance 10% on satisfactory completion of installation, certified by UCSL.</b>	

	<p><u>b. For general items</u>  <del>UCSL payment term is 100% within 30 days of receipt and acceptance of materials at UCSL stores after inspection.</del></p>	
	<p>c) Payment mode shall be Electronic Clearing System (ECS)/cheque /NEFT/ /LC/CAD/TT-as mutually agreed in line with above standard payment terms. Variations from standard terms, if any, shall be appropriately loaded for tender comparison purposes for arriving the lowest bid. Bank charges (including LC charges, if any) inside India will be to UCSL account and outside India to supplier's account (In the case of import shipments). The charges for LC amendment, if any, shall be borne by the parties by whom the same is attributed/ necessitated.</p>	
	<p>d) Normally advance payments are not encouraged. In case, if advance payment is sought, the same can be considered for a maximum of 10% order value only. Interest at the base rate of SBI {applicable on the date of price bid opening} + 1% for the amount of advance will be charged. In addition, Bank guarantee for equivalent amount of advance to cover the period till advance payment is adjusted to be furnished. (i.e till completion of supplies or for a period as specifically agreed + 90 days). In case interest as above is not agreeable to be paid, the same will be loaded on your quoted basic prices, for tender comparison purposes for arriving the lowest bid</p>	
	<p>e) For deviation in Payments terms from UCSL standard terms, if any, aforesaid interest will be loaded on quoted item prices, for tender comparison purposes for arriving lowest bid.</p>	
	<p>f) Part payment shall be considered only if specifically agreed against partial supplies.</p>	
15	<p><b><u>Security Deposit/ Warrantee Bank Guarantee:</u></b>  a.i) The successful bidder shall remit a security deposit of 3% of the total order value (excluding taxes, duties) in the form of demand draft drawn in favor of Udupi Cochin Shipyard Ltd towards the satisfactory performance of the contract, if an order is placed on them. Alternatively, a Bank Guarantee equivalent to above % of the total order value (excluding taxes, duties) as per UCSL format from an International Bank as per approved list of banks available in CSL website (for overseas supplier) &amp; Scheduled Indian bank for Indian supplier is to be submitted, if an order is placed towards satisfactory performance of the contract.  a.ii) The supplier shall also agree for 3% of total order value (excluding taxes and duties) as Bank guarantee towards the Guarantee clause  a.iii) The Bank Guarantee /DD as above should be initially valid till 90 days after completion of supplies in terms of SD and later revalidated (within the validity of initial BG) to cover the guarantee period mutually agreed plus 90 days. <del>However, in the case of items where WBG is not applicable (as in 15.a.ii), the SD shall be valid for item delivery at yard plus 90 days.</del> Fixed Deposit Receipt (for equivalent amount of Security Deposit/WBG required as per tender) in lieu of bank guarantee is also acceptable. Fixed Deposit Receipt shall be in the name of supplier with lien marked in favor of Udupi Cochin Shipyard Limited, Kochi.  a.iv) The above SD/WBG is required or applicable only when the total order value (excluding taxes and duties) is Rs.20lakhs and above (or equivalent foreign currency). In case supplier have quoted Rs.20 lakhs and above in tender and indicated that BG as not applicable in the check list, the clause 15b shall be considered for further process.</p>	
	<p>b) If the bidder is not agreeable to submission of SD/ warrantee bank guarantee as per UCSL general terms and conditions of enquiry, UCSL reserves the right to reject the offer at our discretion or 3% of total order value (excluding taxes and duties) will be added to the quoted price for tender comparison/ evaluation purpose on case to case basis for arriving the lowest bid.</p>	



	<p>However, in cases where total quoted value is less than 20 lakhs, (ie split order etc) and the order value of entire tendered items is more than Rs 20.0 lakhs, the aforesaid loading will be applied on individual items in following cases.</p> <ul style="list-style-type: none"> <li>• The bidder has not quoted for entire tendered quantity</li> <li>• UCSL has technically / commercially rejected a few items in the tender</li> </ul>	
	c) SD to be submitted within 2 weeks of receipt of order from yard.	
	d) Format of bank guarantee along with enquiry to be agreed, in general	
	e) Mode of receipt of bank guarantee is strictly through SWIFT mode from supplier bank to UCSL designated bank (for overseas bidders)	
16	<p><b>Risk Purchase:</b> If the supplier fails to supply the items ordered in good quality as per contract specification and fails to deliver within the delivery date or violate any of the terms and conditions of the purchase order, UCSL shall have the following rights.</p>	
	a. To cancel the order partially or fully with 15 days, notice and to forfeit the security deposit, if any.	
	b. To impose tender holiday for the vendor for an appropriate period as decided by UCSL	
	c. To initiate alternate procurement action at the risk and cost of the supplier. This Risk Purchase clause is applicable only in the case of total order/ contract value (excluding taxes and duties) is Rs.20 lakhs and above (or equivalent foreign currency). Cases of value less than 20 lakhs will be addressed by serving appropriate caution/ warning notice to the firm.	
17	<p><b>Liquidated Damage:</b> In case of delay in supply of ordered materials beyond the stipulated delivery period, which is not attributable to UCSL, supplier is to pay Liquidated Damages (and not by way of penalty) a sum equivalent to ½% (half percent) per week or part of the week of the total basic price in case of Machinery/Equipment and of basic price of materials delayed-in all other cases, subject to a maximum of 10% of the total basic price of undelivered material/10% of total basic price of machinery/equipment (Total basic price is the order value excluding freight, taxes, other charges etc.). Further, GST will be applicable upon LD and the same also will be deducted along with LD. However,LD applicability is without prejudice to UCSL right to terminate contract for delayed delivery or other actions as per clause 16.</p>	
18	<p><b>Guarantee</b> a) The Items supplied shall be guaranteed for rated performance and against damage or failure due to faulty design, defective materials and bad workmanship for a period of 12 months from the date of delivery of the ship to Owners OR 24 months from the date of delivery of items to Yard, whichever is earlier. Should such damage/failure occurred within the Guarantee period, the Supplier should immediately rectify the failure by repair/replacement of any such part found to be under performing/ defective, at his own expenses.</p>	
	b) Further to equipment guarantee, replaced/repaired items shall be guaranteed for 12 months from date of repair/replacement.	
19	<p><b>Jurisdiction:</b> All questions, disputes or difference arising under, out of, or in connection with contracts shall be subject to the exclusive jurisdiction of the Courts at Bangalore, India. Alternate dispute resolution mechanism can also be considered.</p>	

20	<p><b>Force Majeure condition:</b> Should failure in performance of the contract or part thereof arise from war insurrection, restraint imposed by Government, Act of Legislature or other Statutory Authority or illegal strike, riot, legal lock-out, flood, fire, explosion, act of God or any inevitable or unforeseen event beyond human control which may be construed as reasonable ground for an extension of time, UCSL may allow such additional time as is mutually agreed, to be justified by the circumstances of the case. The occurrence/cessation of force majeure situation is to be informed with documentary evidence within 15 days from the date of occurrence/ cessation.</p>	
21	<p><b>Indian Agent:</b> a) Udupi Cochin Shipyard Ltd prefers to deal directly with the supplier. However, if the supplier appoints an Indian Agent to deal with Udupi Cochin Shipyard Ltd., the Agency commission payable by the supplier to such an agency shall be intimated. b) If manufacturers affect the supply through Agents only, authorization in writing from manufacturers in favor of the Agent for supply to UCSL shall be furnished. c) In case where an Agent participates a tender on behalf of a Foreign manufacturer Indian agent should submit specific authorization from the authorized person of foreign manufacturer. d) In a tender, either the Indian agent on behalf of the Principal/ OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of principal/OEM, the same agent shall not submit a bid on behalf of another principal/OEM in the same tender for the same item/product. Indian agents cannot represent more than one firm or quote on their behalf for any particular tender. e) Clarifications, either technical or commercial, should be submitted to points specially asked for only. The opportunity so given should not be used for correcting/changing/amending the data/conditions already submitted with the tender</p>	
22	<p><b>PRICING:</b> a. Overseas firms should quote prices both on FOB and C&amp;F Chennai Seaport terms. Indigenous bidders should quote prices for delivery of materials at UCSL stores. Insurance shall be to UCSL scope. <del>In the case of E tender C&amp;F price shall be quoted and the freight charges shall be indicated separately under header conditions as per the provision in the CSL e tender portal.</del> b. Exchange rate variation will not be applicable and the prices shall be fixed for an order within validity period in the case of indigenous orders. c. Offer to be submitted in USD/INR currency Generally. Indian Firms shall quote in INR only. d. Comparison of prices will be in INR only. All foreign currencies will be converted to INR for comparison and Exchange rate as on date of price bid opening shall be considered for arriving lowest bid</p>	
	<p><b>e. Prices should be valid for acceptance for a period of four months from the date of tender opening.</b> f. No enhancement of rate for whatsoever cause will be allowed once the offer is accepted and an order is placed. Withdrawal of the quotation after it is accepted or failure to make the supply within the stipulated delivery period, will entail cancellation of the order and forfeiture of Earnest Money Deposit/Security deposit, if any and/or risk purchase, without prejudice to other penal actions, including tender holiday after serving show cause notices, as deemed fit. g. Conditional discounts, if any, will not be reckoned for tender evaluation/ comparison purpose. However, if the bidder becomes L1 at original offer, conditional discount shall also be considered.</p>	

	<p>h. Unpriced bid (price bid without price) duly signed is to be submitted along with techno-commercial offer in the price format, provided. Price should be quoted separately for each item shown in the format. In the event price bid is different from the unpriced format already submitted, yard reserves the right to reject the offer at our discretion without any further discussions. Details of optional items, if any, should be indicated under separate heading in the Techno commercial bid and the respective price details should also be given in the price bid. Combining of figures against more than one item and ambiguous clauses will lead to rejection of the bid.</p>	
	<p>i. If, in the price structure quoted for the required material/ item, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected. If there is a discrepancy between words and figures, amount in words of respective figures shall prevail. If the bidder does not agree to the observation of the CSL, the tender is liable to be rejected and the same shall be intimated.</p>	
	<p>j. After submission of quotation/price offer no unsolicited correspondence will be entertained.</p>	
	<p>k. Udupi Cochin Shipyard Limited does not bind itself to accept the lowest or any tender but reserves to itself the right to reject any or all or a part of any tender at its discretion.</p>	
	<p>l. UCSL reserves the right to place order to the techno-commercially qualified lowest bidder in full or individual items to the respective lowest bidders in the tender (except in cases where basis of L1 arrival is declared specifically in enquiry). Also please refer loading applicable for split order of value less than 20 lakhs (Clause 15 b)</p>	
	<p>m. In the case of part quantity order, the quoted freight charges applicable for the entire quantity as per enquiry shall be apportioned and allocated.</p>	
	<p>L1 computation shall be based on total cost of all items, including cost of spares as per tender &amp; Class/certification charges, if any required (excluding GST/IGST). For all import consignments directly imported in CSL's name/or on High Seas Sale agreement, customs duty is not applicable at import clearance. Customs clearance at Chennai port and transport till UCSL stores shall be to UCSL account.</p>	
23	<p><b><u>Integrity Pact:</u></b> As per Government of India (Central Vigilance Department), UCSL and the SUPPLIER have to sign an Integrity Pact for the high value contracts, for ensuring transparency, equity and competitiveness in public procurement. The Tenderer has to sign Pre-Contract Integrity Pact as per format enclosed and to submit along with your offer. The above is applicable when the total basic price is above Rs. 100.0 lakhs. (present limit)</p>	
24	<p><b><u>Grievance Redressal Committee:</u></b> As an alternate dispute redressal or reconciliation mechanism (other than arbitration clause), Cochin Shipyard has constituted Grievance Redressal Committee. Currently following executives of the committee may be contacted for the settlement of disputes, if any, arising out of all contracts. a) Mrs. Anjana KR, GM (Design) b) Mr.Subramanian K K, Deputy General Manager (HR) c) Mr. Shibu John, Deputy General Manager (Finance)</p>	

25	<p><b>SUB CONTRACTING AND ASSIGNMENT</b></p> <p>Supplier shall not contract with any subcontractor and/or vendor without the prior written consent of UCSL. Such consent shall not relieve the Supplier from any of his responsibilities and liabilities under the Purchase Order. In addition, Supplier shall ensure that the terms and conditions of any such contract shall comply with and correspond to the terms and conditions of the Purchase Order.</p>	
26	<p><b>General:</b> a. Prior to price bid opening, UCSL is at liberty to take the credit rating of bidders at our cost on case to case basis, and to include the same during the evaluation of the tender.</p>	
	<p>b. Deviations, if any in the techno-commercial offer from that of the tender enquiry in any form should be clearly furnished in a separate document titled as “List of Deviations”, failing which it will be presumed that all the terms and conditions are acceptable.</p>	
	<p>c. The techno-commercial part alone will be opened initially on the due date of tender. The price part will be opened only after evaluation of the Techno commercial part. Date of opening of the price part will be intimated to those firms whose Techno- commercial bids would be acceptable after the evaluation. Suppliers are allowed to depute their authorized representative to be present at the time of opening of Price Bid of their tender only. <del>In case of E-Tender, suppliers shall not depute their representative to CSL. However techno-commercially qualified supplier can view the price details in CSL E-procurement portal after opening the price bid—</del></p>	
27	<p><b>P.O:-</b> a. In the event supplier's offer leads to an agreement to effect supplies, a formal purchase order shall be issued by UCSL on the basis of agreed terms and conditions of tender.</p>	
	<p>b. Upon placement of order (by post or mail) the supplier shall submit the acknowledgement (ie: signed and stamped original/ scanned soft copy by mail) as a token of acceptance of order within 5 days. In case UCSL doesn't receive the above, it will be deemed as accepted.</p>	
	<p>c. Supplier shall submit monthly progress report on the ordering status of raw materials, construction progress of the items ordered by UCSL, supporting with photo evidence.</p>	
28	<p><b>SUPPLY:</b> - a) UCSL reserve the right to inspect the goods after receipt at UCSL store / prior to dispatch (by UCSL or UCSL authorized agency at yard cost). Short supply / Mismatch / Replacement of Defective items / those not meeting agreed / contractual specification/ Items failing during commissioning shall be sent on air freight/ DDP basis courier freight prepaid/delivered at UCSL store. The customs clearance charges of above shall be to supplier account.</p>	
	<p>b) Replacements during guarantee period to be sent on Duty and all taxes paid basis to location as required by yard/vessel owner with all expenses to supplier account.</p>	
	<p>c) Defective items, if any, after receipt shall be sent back on cost, carriage, handling and insurance prepaid basis including re-export (wherever desired by supplier) to be arranged by supplier. Defective items shall be returned after receipt of replacement item. Supplier shall replace all/ part of items as applicable, in case of rejection, within 4 weeks of reporting the defect, without any additional cost to UCSL. In case the defective materials are not taken back within the said period, UCSL reserves the right to dispose the same without further intimation.</p>	

	d) The supplier shall compensate UCSL for loss on account of shortage in quantity and number of pieces received than that indicated in the bill of lading provided the UCSL's claim is rejected by the insurance due to any fault of supplier. Such claims, if any, shall be supported by recognized surveyors report. The supplier shall also compensate for losses, if any sustained by the UCSL due to defective packing and/or marking of the goods not in accordance with the terms of contract. The time limits for filing claims under clauses above shall be generally 180 days from the date of complete discharge of goods.	
29	UCSL reserves the right to alter, modify the scope of supply at its discretion and in consistent with the policy of the Government of India and statutory bodies under them as applicable to the contract from time to time.	
30	UCSL shall, at its own discretion and costs opt for obtaining credit information report on supplier's financial credentials through credit rating firms. The same shall also be considered as criteria for commercial evaluation. In the event supplier's credit rating is not at least satisfactory, offer will be summarily rejected.	
31	Public procurement policy as per order No. D.O. No. P-45021/2/2017-PP (BE-II) (E-1588) by Department for promotion of Industry and Internal Trade Ministry of Commerce & Industry is applicable for this tender	
32	UCSL reserves the right to commercially reject the offer if compliance is not issued to terms at Sl. No.14, 15, 16, 17 & 18 without any further clarification / notice / communication in this regard from M/s. Udupi Cochin Shipyard Ltd., even though the offer is technically acceptable.	
33	<del>UCSL has an option of receiving two more similar projects within 15th July 2021 and upon exercise of this option by owner yard will confirm the same quantity of item to supplier within 15th July 2021 or earlier. Therefore the price offer shall consist the prices for current projects as well as the discounted prices applicable for these optional projects with validity to confirm the order till 15th July 2021. However the L1 determination shall be purely based on current confirmed quantity.</del>	
Restriction of bidders sharing land border with India vide Office memorandum dt 23.7.2020 Order - Public Procurement no 1 dt 23.7.2020, Order no 2 dt 23.7.2020 and Order no 3 dt 24.7.2020		
34.A	Requirement of registration	
1	Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with competent authority as per C below. In works contracts, including turkey contracts, contractors shall not be allowed to sub contract works to any contractor from a country which shares a land border with India unless such contractor is registered with Competent authority. Relevant certificate to be submitted by bidder from a country which shares land border with India except for bidders to which Govt of India has extended lines of Credit or in which Govt of India has development projects, along with the offer as proof of registration with competent authority, failing which the offer will not be considered. A certificate is to be submitted by the bidder for compliance with the order referred above along with tender documents for consideration of offer (Wordings are as per Clause below). If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law.	
2	Wordings of certificate to be submitted along with tender documents for Works involving possibility of sub contracting	
	I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub contracting to contractors from such countries. I certify that this bidder is not from such a country or if from such a country has been registered with the competent authority and will not subcontract any work to a contractor from such countries unless such contractor is registered with the competent authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered(Evidence of valid	

	registration by the competent authority shall be attached wherever applicable)	
B	Validity of registration	
1	Registration should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder is validly registered at the time of acceptance /order placement, registration shall not be a relevant consideration during contract execution.	
C	Competent authority and Procedure for registration	
1	The competent authority for the purpose of registration under the order shall be Registration committee constituted by the Department of Promotion of Industry and Internal Trade (DPIIT). Details of the committee and procedure for registration and restrictions shall be as per Ann I of the Order - Public Procurement no 1 dt 23.7.2020 issued by Ministry of Finance, department of Expenditure.	
D	Definition of Bidder and Bidder from a country sharing land border with India	
1	Bidder is defined as any person or firm or company including any, member of a consortium or joint venture, every artificial, juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.	
2	"Bidder from a country which shares a land border with India" for the purpose of this Order means:- a) An entity incorporated, established or registered in such a country; or b) A subsidiary of an entity incorporated, established or registered in such a country; or c) An entity substantially controlled through entities incorporated, established or registered in such a country; or d) An entity whose beneficial owner is situated in such a country; or e) An Indian (or other) agent of such an entity; or f) A natural person who is a citizen of such a country; or g) A constitution or joint venture where any member of the consortium or joint venture falls under any of the above.	
3	Type of business entity (Private Limited Company/ Public Limited Company/ Sole Proprietorship/ One Person Company/ Partnership/ Limited Liability Partnership/ Joint Venture/ Trust/ NGO) In case of incorporated entity - to attach certificate of incorporation	
	Beneficial Owners - as defined in the Department of Expenditure Order (Public Procurement No.1) issued vide No. F.No.6/18/2019-PPD dated 23rd July, 2020. Details of all beneficial owners having entitlement of more than 01% of shares or capital or profit to be given, in the format as given in Annexure-I duly certified by practicing Chartered Account in India.	
	<b>Preference to Make in India</b> Purchase preference in accordance with Public procurement (Preference to Make in India Order - 2017) Order from Department of Promotion of Industry and Internal Trade P - 45021 /2/2017/- B.E -II dt ,4.6.2020 and as amended from time to time shall be applicable as per below	
	In the procurement of all goods/services/works in respect of which there is sufficient local capacity/local competition, only Class I Local suppliers shall be eligible to bid irrespective of purchase value	
	In the procurement of all goods/services /works which are not covered as above and with estimated value of purchase less than Rs 200.0 Crores, only Class I local suppliers along with Class II local suppliers shall be eligible to bid.	

	<b>Purchase preferences for Class I local suppliers</b>	
35	In the procurement of goods/works covered under 2 above and which are divisible in nature, Class I local supplier shall be eligible for Purchase preference over Class II/Non local supplier as per following	
	If L1 bid is not a Class I local supplier, 50% of the order quantity shall be awarded to L1. Thereafter the lowest bidder among Class I local supplier will be invited to match the L1 price for the remaining 50% quantity subject to Class I local supplier quoted price falling within 20% margin. Contract for that quantity shall be awarded to such Class I local supplier subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price or accept less than offered quantity, next higher Class I local supplier within 20% margin shall be invited to match the L1 price for the remaining qty and so on. If some quantity is left uncovered on Class I local supplier, such balance quantity shall be ordered on L1 bidder.	
	For procurements that are not divisible in nature and in procurement of services evaluated on price alone, Class I local supplier shall get purchase preference over Class II/Non local supplier as per below	
	If L1 is not a Class I local supplier, lowest bidder among Class I local supplier will be invited to match L1 price subject to Class I local supplier quoted price falling within 20% of L1 price and contract will be awarded to such Class I local supplier, subject to matching L1 price. In case such lowest eligible Class I local supplier fails to match L1 price, procedure same as para 3 above will be opted. In case none of Class I local suppliers within 20% margin matches L1 price, contract shall be awarded to L1 bidder. The purchase preference as above will be only for Class I local supplier and Class II local supplier will not be eligible for any Purchase preference	
	Local content requirement to categorize a supplier as Class I/Class II/Non local supplier shall be as per below. Definition of local content shall be as per order dt 4.6.2020 ie amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of import content in the item (including all customs duties) as a proportion of total value in percentage.	
	Class I -Local content equal to or greater than 50%	
	Class II-Local content greater than 20%, less than 50%	
	Non local -Local content less than 20%	
	<b>Declaration of local content</b>	
	Class I local supplier /Class II local supplier at the time of tender shall indicate % of local content and provide self-certification that offered item shall meet the local content requirement for Class I/Class II as applicable including details of locations at which local value addition is made.	
	In case of procurement for a value in excess of Rs 10.0 Crores Class I/Class II local supplier is to provide a certificate from statutory auditor/cost auditor (for companies) /practicing cost accountant/Chartered accountant (suppliers other than companies) indicating % of local content	
	Verification of the Certificates issued by the bidder shall be carried out by CSL on random basis. False declarations will attract actions as stipulated in the order referred, including other actions as permissible by law.	
	Exemption is applicable from provisions of order for purchases with estimated values less than Rs 5.0 lakhs	

	Notwithstanding above, exemptions for meeting local content as per relevant Clause of order dt 4.6.2020 and as amended from time to time shall apply.	
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BANK GUARANTEE IN LIEU OF SECURITY DEPOSIT/  
WARRANTY GUARANTEE

To

UDUPI COCHIN SHIPYARD LTD

(Formerly Tebma Shiyards Limited

MALPE HARBOUR COMPLEX, MALPE, UDUPI - 576108.

WHEREAS ..... (Name & Address of Supplier) (Hereinafter called "**the Supplier**") has undertaken, in pursuance of Contract..... No..... Dated: ..... to execute ..... (Name of Contract and brief description of works) (Hereinafter called "**the Contract**").

AND WHEREAS it has been stipulated by UDUPI COCHIN SHIPYARD LTD (The Buyer - hereinafter called "**UCSL**") in the said contract that the Supplier shall furnish CSL with a Bank Guarantee for the sum specified therein as security for compliance with the Supplier's obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier such a Bank Guarantee.

NOW THEREFORE we ..... (Name of the Bank) having its Head Office at ..... (Address of Head Office) and acting through its branch office at ..... (Address of the executing branch) (Hereinafter called "the Bank") hereby affirm that we are the Guarantor and responsible to CSL, on behalf of the Supplier up to a total of ..... (amount of Guarantee) .....in words).

We, the bank, hereby irrevocably undertake to pay you any amount not exceeding in total the Guarantee Amount upon receipt by us of your demand in writing accompanied by the following documents:

1. Your signed statement certifying that the Supplier is in breach of his obligation(s) under the Contract and the respect in which the Supplier is in breach.
2. Your signed statement certifying that the Supplier has been given a prior written notice by email from you to make good the aforesaid breach and that the Supplier still failed to fulfill the Contract within 30 days of such notice. A copy of such notice given by email to the Supplier shall be attached to the demand for payment.

Any demand for payment should contain your authorized signatures which must be authorized by your bankers or by a notary public.

We, the Bank, further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between UCSL and the Supplier shall in any way release us

from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification. We, the Bank, further agree that any change in the constitution of the said contractor or the said bank shall not discharge our liability hereunder.

**Notwithstanding** anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed .....  
(..... only).

2. This Bank Guarantee shall be valid up to (date) and

3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if UCSL serve upon us a written claim or demand on or before .....(validity date) .

Any demand for payment under this guarantee must be received by us at this office during working hours on or before the validity date. Should we receive no claim from you by the validity date, our liability to you will cease and the guarantee will definitely become null and void whether returned to us or not.

Yours truly,

Signature and seal of the

Guarantor:.....

Name of Bank:.....

Address: .....

Date: .....

\* An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract and denominated in respective Dollars / Indian Rupees/Other Currency.