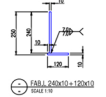
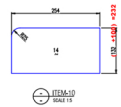
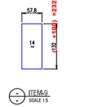
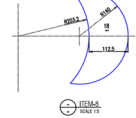
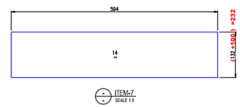
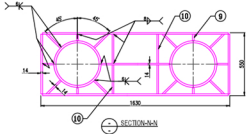
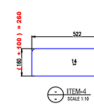
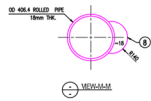
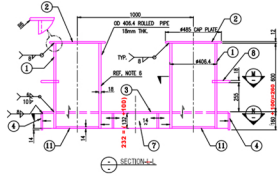
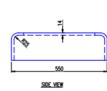
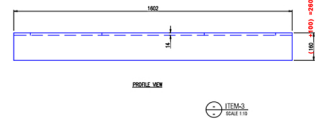
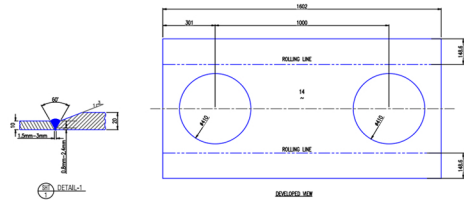
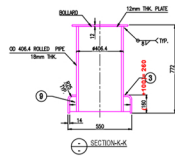
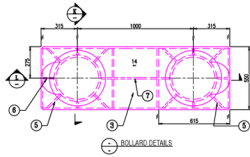


For tender purpose reference only



BILL OF MATERIALS (FOR 1NO. BOLLARD)							
Item No.	Description	Material	Length(m)	Area(m ²)	Qty.	Thk.(mm)	Mass (kg)
1	ITEM-1 (Bollard Bitts)	IR Class Grade A	0.7 (Approx.)	2	18	257	
2	ITEM-2 (Cap Plate)	IR Class Grade A	0.18	2	12	34.8	
3	ITEM-3 (Base Plate)	IR Class Grade A	1.30	1	14	143.4	
4	ITEM-4 (Side Plate)	IR Class Grade A	0.08	2	14	18.3	
5	ITEM-5 (Rib)	IR Class Grade A	0.02	8	14	15.3	
6	ITEM-6 (Rib)	IR Class Grade A	0.01	2	14	2.8	
7	ITEM-7 (Rib)	IR Class Grade A	0.08	1	14	8.6	
8	ITEM-8	IR Class Grade A	0.03	2	18	7.9	
9	ITEM-9 (Rib)	IR Class Grade A	0.01	4	14	3.4	
10	ITEM-10 (Rib)	IR Class Grade A	0.03	4	14	14.7	
11	ITEM-11 (Closing plate)	IR Class Grade A	0.11	2	14	23.7	
Total Mass (kg)							530 + 0 % Margin ~ 600 Kg (Approx.)

TOTAL NUMBER OF BOLLARDS 12 NOS.

3	18.08.2024	PR	4878	PR	SHYAM	SHYAM	
4	18.08.2024	PR	4878	PR	SHYAM	SHYAM	
Rev	Date	Drawn/Checked	Revised/Checked				
S&O MARITIME SERVICES PVT. LTD.							
Chennai Bangalore Mumbai Cochin Hyderabad Chennai (2nd Office) Ernakulam Kolkata Varanasi India E-Mail: info@sandmaritime.com , Web: www.SandMaritime.com							
Client: HOOGLY COCHIN SHIPYARD LIMITED							
Project / Vessel: 30M PONTOON							
Drawing Name: DISPOSITION & DETAILS OF BOLLARD							
Drawing No: 221001-204		Rev: B	Sheet: 2	Scale: 1:50	Date: A2		
<small>This drawing is prepared at the property of S&O Maritime Services Pvt. Ltd. and shall be used only as per the contract. Approval is given in the following subject to the approval consent of S&O Maritime Services Pvt. Ltd.</small>							