TheGAW industries

Design and Construction Specification for Marine Loading Arms

Environmental data	
Ambient temperature:	(°C)
- Lowest temperature:	(°C)
- Highest temperature:	(°C)
Max. wind speed arms should be designed for:	(km/h)
Location of installation:	

Cargo data					
	1	**2**	**3**	**4**	**5**
Cargo(s)					
Density (Kg/m³)					
Viscosity (cst)					
Operating temp. (°C)					
Design temp. (°C)					
Operating pres. (barg)					
Design pres. (barg)					
Flowrate max. (m³/h)					

Marine loading arm data					
	1	**2**	**3**	**4**	**5**
Nom. dia. (inch)					
Arm material					
Riser connection flange (+ pressure class)					
Ship's end connection (+pressure class)					
Operation (manual / hydraulic)					

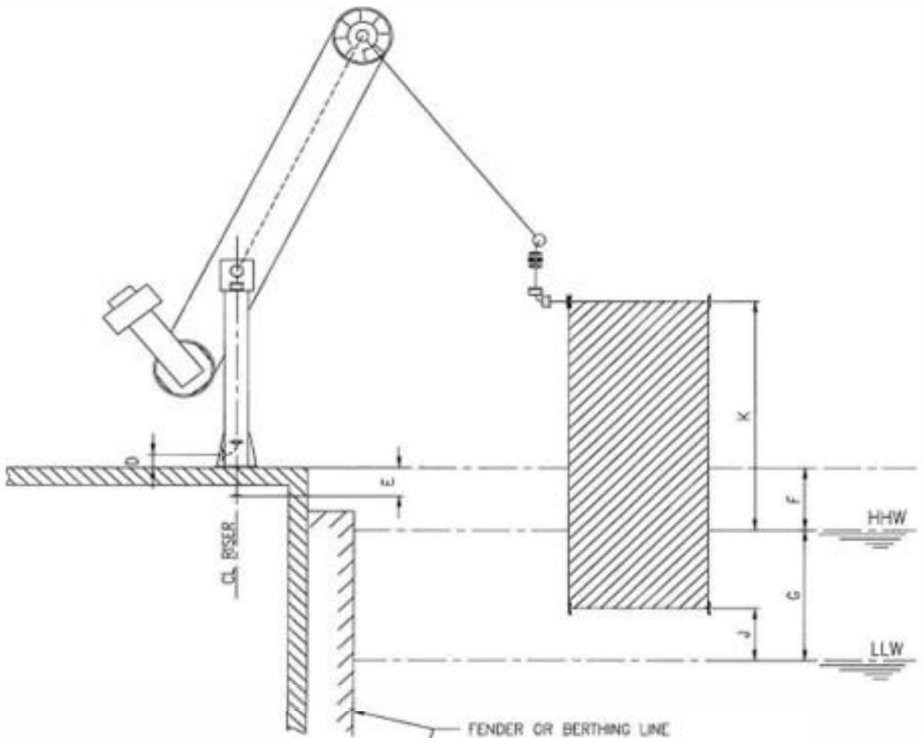
Accessories			
	YES		**NO**
Vapour return line (piggyback)	☐ **size:** _____		☐
Vacuum breaker	☐ **size:** _____		☐
Riser drain connection	☐ **size:** _____		☐
Triple Swivel drain connection	☐ **size:** _____		☐
Purge system	☐ **size:** _____		☐
Quick connect/Disconnect coupler (QCDC)	☐ **Manual / hydraulic**		☐
Safety ladders	☐		☐
Insulating flanges	☐		☐
Audio visual alarm over travel system	☐		☐
Emergency release coupler (ERC/PERC)	☐		☐
Radio remote control	☐		☐
Support jack at triple swivel assembly	☐		☐
Electric heating system	☐		☐
Thermic insulation	☐		☐

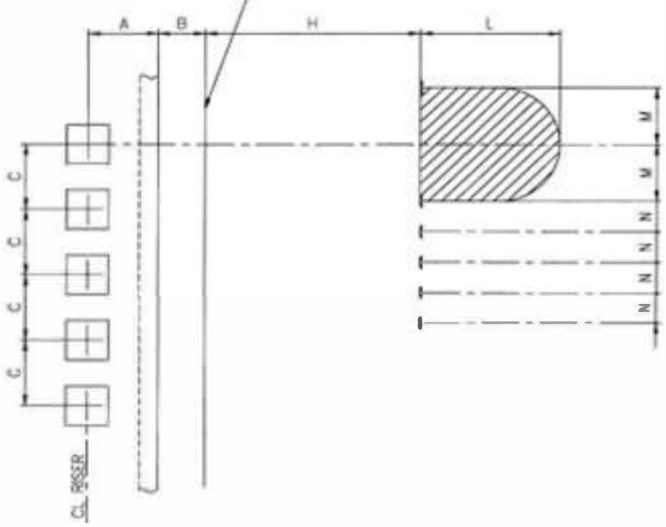
Berth and tanker data		
A. Distance jetty face to centre line of riser		m
B. Distance jetty face to berthing line (min/max)		m
C. Distance between centre line of riser (min/max)		m
D. Dock to flange centre line		m
E. Dock to flange face (below dock)		m
F. Dock to high water level		m
G. Difference between high and low water level		m
H. Distance of manifold flange to ship's side (min/max)		m
J. Low water level to ship's manifold (smallest full tanker)		m
K. High water level to ship's manifold		m
L. Sway		m
M. Fore / After surge		m
N. Flange centre on tanker manifold (min/max)		m

Smallest and largest tanker date in DWT		DWT

For more information, please check the drawing on page 3.

Remarks
Please fill in here any remarks or comments you may have concerning you're enquiry:





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