

Position: Pipe Designer

Position Summary: Metal Shark is a fast-growing company and is expanding its Engineering Department. As such, we are increasing our Piping Design capabilities. The candidate will report to Metal Shark's Marine Engineering Manager. He or she will lead the Marine Pipe design effort on individual projects, ranging from small boats to vessels in excess of 200'. As you are going through a system design, you will be responsible for developing, maintaining and documenting standard design configurations and procedures, as a part of Metal Shark's Continuous Process Improvement Effort.

Minimum Requirements:

- Experience: A minimum of 5 years in the design and construction of boats and/or ships.
 - Familiarity with Classification Society rules (ABS, DNV, USCG, ABYC, etc.)
- Onboard Systems including, but not limited to:
 - Propulsion Machinery
 - Steering Gear (Hydraulics)
 - Water (Potable, Fresh, Raw, Gray and Black Water)
 - Fuel
 - Fills, Vents and Sounding
 - Sea Chest Arrangements
 - Bilge System
 - Fire Suppression
 - Fire Fighting (Including Fireboat Systems)
 - HVAC
 - Exhaust (Both wet and dry systems)
 - Hydraulics
 - Ability to take on and learn misc. Project specific systems:
- Working knowledge of the following software
 - AutoCAD
 - Microsoft Office (Word, Excel, Project, Outlook)
 - Ship Constructor
 - Navisworks
- Responsibilities
 - Specify equipment to be installed onboard vessels
 - Develop Schematics, 3D Models, Arrangements and Spool Drawing Plans for all piping equipment installed onboard (Reference list above).
 - Assist in development of the technical portions of change orders: pricing materials and working with project engineers to estimate labor required.
 - Support Production as needed throughout a build to delivery.
 - Support the development of standard processes and procedures.
 - Ability to review and poke holes in drawings and concept designs
 - Support the preparation of submittals to USCG, ABS, and other regulatory bodies.
 - Specify, evaluate and recommend sub-contract labor for major ship system installation.