Our company is growing rapidly and is searching for experienced candidates for the position of structural designer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for structural designer

- Perform ship-checks and prepare marked-up drawings and/or sketches to reflect design conditions or requirements
- AAssimilate, review and analyze a variety of ship engineering data to determine requirements to meet engineering objectives
- Plan and lead assigned projects of relatively limited scope or a portion of a larger and more diverse project
- Calculate design data and prepare layouts, detailed specifications and parts lists
- Work from outlines of objectives, requirements and design approaches received from management
- Perform work with a minimum of supervisory assistance and in compliance with prior engineering determination
- Check engineering drawings and associated parts lists for function, fit, drafting quality, tolerances, produceability and ease of installation and to assure that interfaces are correct and interfacing activities have been referenced
- Investigate construction and service factors, such as ease of production, availability of material, equipment standardization, interchangeability, serviceability, replaceability, strength-weight efficiency, cost effectiveness, contractual specification requirements and test criteria
- Knowledgeable in corrugated, folding carton, foam and manufacturing capabilities and practices

Qualifications for structural designer

- Work experience in the heavy industrial, infrastructure or transportation sectors considered an asset
- Judgments
- Experience with Microstaion, AutoCAD, or similar drafting/analytical software
- Fundamental understanding of structural details in both steel and concrete bridge structures
- Fundamental understanding of the layout and development of contract plans
- Extensive experience with MicroStation