

CAREER OPPORTUNITY

Position: Heat Exchanger Drafter / Designer
Location: Tulsa, OK
Classification: Full-Time, Non-Exempt

Job Summary:

Under the general direction of the Manager of Engineering, the Designer will work closely with Project, Electrical, Process and Thermal Engineers to ensure technical design and fabrication requirements are clearly conveyed on 3-D models, 2-D drawings, specifications, and/or instructions. Position may have overall responsibility on small projects.

Main Duties/Responsibilities:

- Provide technical support for Sales during the inquiry process
- Review customer specifications and project documents for incorporation into 3-D Models, 2-D drawings, drawing notes, bill of materials, and purchase specifications
- Interface with customer to ensure technical requirements are met
- Develop the Bill of Materials
- Produce some mechanical and structural calculations in accordance with the appropriate codes and standards.
- Generate 3-D models, 2-D drawings, specifications, and instructions necessary to convey project requirements to others
- Develop detail drawings for shell & tube heat exchangers from input provided by Thermal Engineer
- Develop PFD, P&ID and related documents from input provide by Process Engineer
- Develop piping isometric drawings for fabrication
- Transmit all technical documents to the customer including but not limited to: drawings, calculations, quality plans, weld procedures, etc.
- Respond to Production and field questions and/or non-conformances
- Identify customer-initiated changes to project scope and generate appropriate cost change notice
- Learn and remain current with all Code rules and requirements
- Support Production with layouts, templates, etc.
- Support Quality Control for inspections and measurement of equipment in shop and field
- Check work of other designers and CAD Technicians
- Assist with updating of the in-house programs
- Provide basic IT/Computer system support

- Be involved in the development and revision of Engineering Standards

Qualifications:

Any combination of education and experience providing the required skill and knowledge is qualifying. Typical qualifications would be equivalent to:

- Technical or trade school certificate in CAD design, mechanical engineering technology or a related field required
- Bachelor's degree in computer science, engineering technology or a related field preferred
- A minimum of 2 years of 2-D CAD design or mechanical engineering technology experience required
- Shell & tube heat exchanger detailing experience preferred
- Familiarity with piping fabrication and skid mounted equipment packages preferred
- 3-D CAD experience with AutoCAD Inventor preferred
- Fabrication, weld shop, or machine shop experience preferred
- Exceptional computer design capabilities
- Accurate typing skills
- Good telephone techniques
- Good Interpersonal relations skills
- Good oral and written communication skills
- Strong time management skills
- Excellent judgment abilities
- Good mechanical and math aptitude
- Exceptional proficiency with computers
- Working knowledge of computer programs, including AutoCAD and Microsoft Office products required
- Strong knowledge of several programming languages, such as Visual Basic and AutoLisp preferred
- Working knowledge of RCSWin heat exchanger mechanical design software strongly preferred
- Working knowledge of AutoCAD Inventor and AutoCAD Plant Design Suite or CADWorx preferred
- Working knowledge of Drafting practices and standards required
- Valid driver's license and proof of insurability required

Compensation:

The successful candidate will receive a competitive salary and an attractive benefits package which may include, but is not limited to: medical, dental, life insurance and flexible spending account.

Screening:

All candidates will be subject to drug and alcohol screening and a background check prior to employment.

SUBMISSION

Submit your resume with the [applicant data sheet](#) or submit a completed [employment application form](#) to:

Postal Mail:

208 N. Iron St.
Paola, KS 66071
Attn: Human Resources

Email:

hr@tfes.com

Taylor Forge is an equal opportunity employer and all qualified applicants will receive consideration for employment.
EO/AA Employer/Veterans/Disabled.

OBSERVE ALL SAFETY PRACTICES

The above statements are intended to describe the general nature and level of the work being performed by the people holding this position and shall not be construed as a detailed description of all the work requirements that may be inherent in the job. Incumbents will follow any instructions, and perform any other related duties, as may be required.