AT&F (https://www.atfco.com/), an established and fast-growing steel fabricator with an industry-wide reputation for quality and performance, is looking for an experienced Welding Engineer to elevate AT&F’s existing knowledge base. This individual will play a critical role in AT&F achieving its strategic initiatives.

AT&F OVERVIEW:

- Founded in 1940, AT&F is a proud non-union metal fabricator that services the construction, mining, shipbuilding, power generation, transportation, and defense industries.
- A fourth-generation family run company, AT&F combines the values of a traditional, family run company with an innovative, sophisticated, and professional mindset.
- AT&F is comprised of specialized Business Units (BUs): Heavy Fabricating, Precision Processing, AT&F Advanced Metals, and AT&F Wisconsin. Our multiple facilities have over 600,000 square feet of manufacturing space and over 200 Team Members.
- As a key supplier to multiple, on-going United States Navy and Defense programs, AT&F is well positioned for sustained growth in both the near and long terms.

POSITION SUMMARY

Reports to the Heavy Fabricating Engineering Manager

Working alongside other Welding Engineers, Project Managers, Quality Control, Business Development, and Production Team Members, this team member will help ensure AT&F customer satisfaction and contract compliance.

RESPONSIBILITIES:

- Review purchase order and contract requirements concerning all aspects of welding—welder qualifications, welding procedure qualifications, NDE inspection criteria, etc.
- When needed, manage all aspects of PQR/WPS qualification from code review through final WPS submittal.
- Review current job requirements and assign welders and WPSs as needed.
- Work individually and in teams to determine root cause failure of welds, equipment, and tests.
- Work with other Welding Engineering Department team members to maintain welder qualification records, welding machine calibrations, welding equipment condition, and welder training and development.
- Review customer RFQs and interface with Production, Engineering, and Estimating to determine project requirements, estimate welding times, determine needed testing, and design fixturing.
- Spend time on the production floor with fitters, welders, and other Production Team Members to optimize process flow, process parameters, and troubleshoot when needed.
• Research, recommend, and justify new technology acquisitions including, but not limited to, robotics, vision systems, inspection systems, and new welding technologies
• Promote an atmosphere of team member safety, welfare, wellness, and health
• Exhibit all AT&F Core Values when interacting with fellow team members and customers

REQUIRED QUALIFICATIONS:
• B.S. degree in Welding Engineering, Welding Engineering Technology, Metallurgy or closely related field
• AWS and/or ASME fabrication code work experience totaling 3 years minimum
• Minimum 3 years’ experience in the fabrication and welding of carbon, stainless, and/or high alloy steels
• Ability to communicate issues and solve problems that require a high degree of Welding Engineering knowledge
• Experience qualifying, writing, reviewing, and assigning welding procedures
• Able to work well and communicate with other team members
• Capacity to simultaneously balance multiple projects, requirements, and deadlines
• Deep understanding of blueprints, welding joint designs, and NDE/NDT
• Proven ability to develop the skills and certifications of others
• Proficiency with MS Office tools and basic computer skills for email, web-based communications, and filesharing

PREFERRED QUALIFICATIONS:
• United States Military fabrication code experience (TP 248, TP 278, TP 1688, etc.)
• Certified Welding Inspector (CWI)
• Experience with capital project research, design, and implementation
• Understanding of robotic/automated welding systems and their programming, capabilities, and limitations
• CAD program experience coupled with fixture design knowledge