



Contractor Service & Fabrication, Inc.

Job Posting

Full Time Position: Structural Steel Detailer (Draftsman)

Typical Duties Include but are Not Limited to the Following:

Prepare:

- 3D Model representations of structures and piping isometrics.
- Steel erection plans, elevations, details, and sections.
- Fabrication Drawings for columns, beams, girts, jambs, horizontal and vertical bracing, trusses, sag rods, roof/floor frames, and finish angles and plates.
- Part to part bolt lists.
- Bill of materials.
- Spool drawings for Piping Isometrics.
- Verify mathematical calculations.
- Operate computer systems.
- Developments for transitions.
- Field Verify measurements from engineering drawings.
- Monitor processes for compliance with standards.
- Prepare job folders for shop fabrication.
- Purchase materials.

Required Skills:

- Exceptional math, visualization, & problem solving skills.
- Ability to read and interpret blueprints.
- Good computer skills.
- Working knowledge of Tekla, AutoCAD and MS Office.
- Working knowledge of structural steel materials (W, S, & M shapes, channels, angles, etc.).
- Minimum 2 year degree in a structural engineering related program or 2 years' experience in the steel detailing/design industry.
- Experience in welding and some knowledge of AWS welding symbols is a plus.

Helpful Skills:

- Good organization & communication skills.
- Self-driven, knowledge of Tekla Structures, Design Data SDS/2, or other 3D detailing software.
- Knowledge of the structural steel design, fabrication, and erection industry.

*Excellent Benefits: Vacation Eligibility, 401k, Blue Cross Blue Shield of Alabama, etc.

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Posting 6.22.17



Job Posting

Full Time Position: Instrumentation & Electrical Maintenance Technician

Job duties and responsibilities include but are not limited to:

- Inspecting Equipment, Structures, or Material — Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Handling and Moving Objects — Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Performing General Physical Activities — Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Getting Information — Observing, receiving, and otherwise obtaining information from all relevant sources.
- Repairing and Maintaining Mechanical Equipment — Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.
- Monitor Processes, Materials, or Surroundings — Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
- Identifying Objects, Actions, and Events — Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
- Making Decisions and Solving Problems — Analyzing information and evaluating results to choose the best solution and solve problems.
- Communicating with Supervisors, Peers, or Subordinates — Providing information to supervisors, co-workers, and subordinates by telephone, in written form, or in person.
- Controlling Machines and Processes — Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).

Knowledge & Technology utilized for this position

- Mechanical — Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
- Building and Construction — Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.
- Customer and Personal Service — Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.
- Public Safety and Security — Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.
- Electronic mail software — Microsoft Outlook
- Field view software
- Industrial control software — Digital Direct Control DDC Energy Management software
- Spreadsheet software — Microsoft Excel
- Word processing software — Microsoft Word

Tools used in this occupation

Hart Communicators • Fluke Process Calibrators • PIC related communications • Drain or pipe cleaning equipment — Drain augers; Drain cleaning cables; Hand spinners; Power drain cleaners • Pipe or tube cutter — Pipe cutters; Power pipe cutters; Ratcheting polyvinyl chloride PVC cutters; Tubing cutters • Power drills — Cordless power drills; Direct tap machines; Hammer drills; Right-angle drills • Power saws — Circular saws; Radial arm saws; Reciprocating saws; Tile saws • Pullers — Bearing pullers; Chain pullers; Comealongs; Tub drain removers

Suggested Skills & Experience

- Excellent troubleshooting skills.
- Knowledge of industrial power equipment — transformers, motor control centers, medium voltage motor starters, switchgear — up to 13.8 KV
- Knowledge of process instrumentation (flow, level, temperature, pressure, pH) and control valves
- DC and AC drives, including variable speed AC drives
- Programmable logic controllers — Allen Bradley
- Electrical Testing/Measurement
- Manage installation of small capital improvement projects

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Contractor Service & Fabrication, Inc.

Job Posting

Full-Time Position: Iron Worker

Typical Duties & Functions

Job duties and responsibilities include but are not limited to the following:

Tasks:

- Operate safety equipment and use safe work habits.
- Fabricate metal parts, such as steel frames, columns, beams, or girders, according to blueprints or instructions from supervisors.
- Dismantle structures or equipment.
- Unload and position prefabricated steel units for hoisting as needed.
- Hoist steel beams, girders, or columns into place, using cranes or signaling hoisting equipment operators to lift and position structural steel members.
- Lay out, position, align, and secure parts and assemblies prior to assembly, using straightedges, combination squares, calipers, and rulers.
- Assemble hoisting equipment or rigging, such as cables, pulleys, or hooks, to move heavy equipment or materials.
- Cut, bend, or weld steel pieces, using metal shears, torches, or welding equipment.
- Erect metal or precast concrete components for structures, such as buildings, bridges, dams, towers, storage tanks, fences, or highway guard rails.
- Force structural steel members into final positions, using turnbuckles, crowbars, jacks, or hand tools.
- Clamp, hold, tack-weld, heat-bend, grind or bolt component parts to obtain required configurations and positions for welding.
- Review blueprints or specifications to determine work requirements.
- Mark or tag material with proper job number, piece marks, and other identifying marks as required.
- Remove rough spots from workpieces, using portable grinders, hand files, or scrapers.
- Develop templates and models for welding projects, using mathematical calculations based on blueprint information.
- Guide and direct flames or electrodes on or across workpieces to straighten, bend, melt, or build up metal.
- Detect faulty operation of equipment or defective materials and notify supervisors.
- Cut, contour, and bevel metal plates and structural shapes to dimensions as specified by blueprints, layouts, work orders, and templates, using powered saws, hand shears, or chipping knives.
- Set up and use ladders and scaffolding as necessary to complete work.
- Hold rivets while riveters use air hammers to form heads on rivets.
- Insert sealing strips, wiring, insulating material, ladders, flanges, gauges, or valves, depending on types of structures being assembled.

Knowledge, Tools and Technology used in the occupation:

- Mechanical — Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
- Design — Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.
- Mathematics — Knowledge of intermediate arithmetic and algebra
- English Language — Knowledge of the English language. Both spoken and written.
- Public Safety and Security — Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.
- Welding electrode — underwater electrodes; welding electrodes.
- Calendar and scheduling software — omniFleet equipment maintenance management.
- Computer aided design CAD software.
- Data base user interface and query software — recordkeeping.

Skills

- Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.



Contractor Service & Fabrication, Inc.

- Operation and Control — Controlling operations of equipment or systems. Operate cranes, hoists, or other moving or lifting equipment.
- Monitoring — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
- Reading Comprehension — Understanding written sentences and paragraphs in work related documents.

Abilities

- Arm-Hand Steadiness — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.
- Near Vision — The ability to see details at close range (within a few feet of the observer).
- Control Precision — The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.
- Multilimb Coordination — The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.
- Problem Sensitivity — The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.
- Visualization — The ability to imagine how something will look after it is moved around or when its parts are moved or rearranged.
- Depth Perception — The ability to judge which of several objects is closer or farther away from you, or to judge the distance between you and an object.
- Information Ordering — The ability to arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations).
- Selective Attention — The ability to concentrate on a task over a period of time without being distracted.
- Static Strength — The ability to exert maximum muscle force to lift, push, pull, or carry objects.
- Finger Dexterity — The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.
- Oral Comprehension — The ability to listen to and understand information and ideas presented through spoken words and sentences.
- Oral Expression — The ability to communicate information and ideas in speaking so others will understand.
- Speech Recognition — The ability to identify and understand the speech of another person.
- Trunk Strength — The ability to use your abdominal and lower back muscles to support part of the body repeatedly or continuously over time without 'giving out' or fatiguing.
- Performing general physical activities — Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Ability to safely lift weight within their capacity.

Work Activities

- Controlling Machines and Processes — Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).
- Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Handling and Moving Objects — Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Communicating with Supervisors, Peers, or Subordinates — Providing information to supervisors, co-workers, and subordinates by telephone, in written form, or in person.

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Job Posting

Full-Time Position: Mechanical Maintenance Technician Level 2

Typical Duties & Functions

Job duties and responsibilities include but are not limited to the following:

Experience Necessary:

Candidate must understand and obtain competent working knowledge of the following:

- Has some ability to direct others within a specific work team how to safely and effectively perform as directed.
- Has knowledge and ability to recognize and eliminate hazards within an industrial environment.
- Has knowledge and understanding of necessary tools, including precision measurement equipment utilized relating to Mechanical Maintenance.
- Has good intermediate level of construction and related mathematic skills.
- Has knowledge and understanding of mechanical drawings, Process/Piping and Instrumentation flow diagrams.
- Has understanding of pumps and drive systems and has had exposure to repairing the components within these types of systems.
- Has knowledge of ferrous and non-ferrous Piping systems and the ability to remove, repair, and install components within the systems.
- Has knowledge and understanding of welding processes as well as the ability to perform basic welding tasks.
- Has knowledge and understanding of valves and the ability to identify, remove, repair, and re-install valves available.
- Has knowledge, understanding, and ability to remove and replace bearings.
- Has some knowledge and understanding of hydraulic systems and associated components.
- Has knowledge and experience utilizing test instruments for maintaining equipment within an industrial facility.
- Has knowledge and understanding of material handling equipment utilized within an industrial facility.
- Has detailed knowledge and understanding of rigging equipment and proper usage methods utilized within an industrial facility and the ability to calculate loads to determine proper lifting methods and equipment.
- Has some understanding theoretical concept of lubrication and has knowledge and understanding of proper lubrication methods utilized within an industrial facility.
- Has a detailed understanding of material control methods and the ability to adhere to procedures.

Skills/Qualifications Preferred:

Interpersonal & Organizational Skills
Customer & Vendor Relationship Communication Skills
Teamwork Oriented

Analyzing Information
Reporting Skills
Documentation Skills

Developing Budgets
Decision Making
Safety & Quality Focus

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Job Posting

Full Time Position: Pipefitter Level III

Job duties and responsibilities include but are not limited to:

- Lay out full scale drawings of pipe systems, supports, or related equipment, according to blue prints.
- Have knowledge of various types of rigging equipment and the ability to use them properly.
- Interpret pipefitting standards, codes, and specifications.
- Assemble or secure pipes, tubes, fittings, or related equipment, according to specifications, by welding, brazing, cementing, soldering, or threading joints.
- Measure and mark pipes for cutting or threading.
- Inspect, examine, or test installed systems or pipe lines, using pressure gauge, hydrostatic testing, observation, or other methods.
- Plan pipe system layout, installation, or repair, according to specifications.
- Select pipe sizes, types, or related materials, including supports, hangers, or hydraulic cylinders, according to specifications.
- Be able to identify the different types of valves and how to install them.
- Have knowledge with excavations including shoring materials, backfilling procedures, and setting grade and elevation of a trench.
- Introduction to aboveground piping installation.
- Knowledge of field routing and vessel trim and the ability to perform them.
- Knowledge of pipe hangers and supports. Including drawings, field placement, installations, etc.
- Inspect work sites for obstructions or holes that could cause structural weakness.
- Operate all equipment and tools in a safe manner
- Know how to safely operate different types of motorized vehicles used on job sites such as welding machines, portable generators, air compressors, forklifts, etc.

Knowledge, Tools, & Technology used for this occupation:

- Mechanical — Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
- Design — Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.
- Mathematics — Knowledge of mathematics including tables of equivalents and trigonometry.
- English Language — Knowledge of the English language. Both spoken and written.
- Public Safety and Security — Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.
- Engineering and Technology — Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.
- Hoists — chain falls; tirlfors; tuggers
- Levels — automatic levels; laser levels; pocket levels; two-hole pins
- Pneumatic grinders — air operated grinders; angle air grinders; pneumatic pipe bevelers, impact tools
- Power grinders — offset grinders; pedestal grinders; portable grinders; stationary grinders, drills
- Screwdrivers — flat head screwdrivers; impact screwdrivers; phillips head screwdrivers
- Analytical or scientific software — AutoPIPE software; COADE CAESAR II; Pipepro pipefitting software; Watter Hammer Software Hytran
- Computer aided design CAD software — AEC Design Group CADPIPE; Pipe 2D software; ViziFlow software
- Electronic mail software — Microsoft Outlook and/or other email software
- Spreadsheet software — Microsoft Excel; PipingOffice software
- Word processing software

Preferred Experience & Qualifications

- 3-5 Year's experience in pipefitting
- Degree and/or Certificate in Technical Training



Job Posting

Full Time Position: Welder Level 3

Tasks:

- Operate safety equipment and use safe work habits.
- Lay out, position, align, and secure parts and assemblies prior to assembly, using straightedges, combination squares, calipers, and rulers.
- Recognize, set up, and operate hand and power tools common to the welding trade, such as shielded metal arc and gas metal arc welding equipment.
- Weld separately or in combination, using aluminum, stainless steel, cast iron, and other alloys.
- Knowledge of preheating and postweld heat treatment of metals.
- Select and install torches, torch tips, filler rods, and flux, according to welding chart specifications or types and thicknesses of metals.
- Ignite torches or start power supplies and strike arcs by touching electrodes to metals being welded, completing electrical circuits.
- Determine required equipment and welding methods, applying knowledge of metallurgy, geometry, and welding techniques.
- Knowledge of various types of pipe welding including: GMAW, FCAW, GTAW carbon, GTAW low-alloy and stainless, GTAW nickel, GTAW followed by SMAW of chrome-moly, GTAW aluminum, GMAW aluminum plate and pipe.
- Operate manual or semi-automatic welding equipment to fuse metal segments, using processes such as gas tungsten arc, gas metal arc, flux-cored arc, plasma arc, shielded metal arc, resistance welding, and submerged arc welding.
- Analyze engineering drawings, blueprints, specifications, sketches, work orders, and material safety data sheets to plan layout, assembly, and welding operations.
- Mark or tag material with proper job number, piece marks, and other identifying marks as required.
- Preheat workpieces prior to welding or bending, using torches or heating furnaces.
- Develop templates and models for welding projects, using mathematical calculations based on blueprint information.
- Guide and direct flames or electrodes on or across workpieces to straighten, bend, melt, or build up metal.
- Detect faulty operation of equipment or defective materials and notify supervisors.
- Cut, contour, and bevel metal plates and structural shapes to dimensions as specified by blueprints, layouts, work orders, and templates, using powered saws, hand shears, or chipping knives.
- Repair products by dismantling, straightening, reshaping, and reassembling parts, using cutting torches, straightening presses, and hand tools.
- Hammer out bulges or bends in metal workpieces.
- Dismantle metal assemblies or cut scrap metal, using thermal-cutting equipment such as flame-cutting torches or plasma-arc equipment.
- Signal crane operators to move large workpieces.
- Use fire suppression methods in industrial emergencies.
- Estimate materials needed for production and manufacturing and maintain required stocks of materials.
- Have a working knowledge of QA/QC as it relates to welding.

Knowledge:

- Mechanical — Knowledge of machines and tools, including their designs, uses, repair, and maintenance.
- Design — Knowledge of design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.
- Mathematics — Knowledge of advanced arithmetic and algebra

- English Language — Knowledge of the English language. Both spoken and written. Have ability to write clear and concise documents.
- Engineering and Technology — Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.

Tools used in this occupation:

- Drill press or radial drill — drill presses; portable magnetic drill presses; punch presses
- Gas welding or brazing or cutting apparatus — oxyacetylene welding equipment, rod ovens; storage ovens and hot boxes
- Manlift or personnel lift — hydraulic truck lifts; swing stages
- Tungsten inert gas welding machine — heliarc welding equipment; tungsten inert gas TIG welding equipment
- Welder torch — brazing equipment; welding torches
- Welding electrode — underwater electrodes; welding electrodes

Technology used in this occupation:

- Analytical or scientific software — Scientific software group filter drain FD
- Calendar and scheduling software — omniFleet equipment maintenance management
- Computer aided design CAD software — EZ pipe software
- Data base user interface and query software — recordkeeping

Skills:

- Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Operation and Control — Controlling operations of equipment or systems.
- Monitoring — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
- Reading Comprehension — Understanding written sentences and paragraphs in work related documents.
- Ability to direct and supervise a small team of individuals.

Abilities:

- Arm-Hand Steadiness — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.
- Near Vision — The ability to see details at close range (within a few feet of the observer).
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- Selective Attention — The ability to concentrate on a task over a period of time without being distracted.
- Static Strength — The ability to exert maximum muscle force to lift, push, pull, or carry objects.
- Deductive Reasoning — The ability to apply general rules to specific problems to produce answers that make sense.
- Finger Dexterity — The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.
- Oral Comprehension — The ability to listen to and understand information and ideas presented through spoken words and sentences.
- Oral Expression — The ability to communicate information and ideas in speaking so others will understand.
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Work Activities

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- Operating Vehicles, Mechanized Devices, or Equipment — Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, and passenger vehicles.
- Communicating with Supervisors, Peers, or Subordinates — Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.