

Electrician Job Description

Job brief

We are looking for an experienced **Electrician** to undertake a variety of tasks relating to setting up and maintaining electrical infrastructure. Your job will involve installing electrical wiring in buildings and poles, troubleshooting malfunctions and blackouts and repairing appliances.

Due to the high amount of risk pertaining to this job, electricians must be first and foremost responsible individuals with great attention to safety precautions. The ideal candidate must also be experienced in different kinds of electrical devices and systems.

The goal will be to produce and maintain well functioning electrical connections to minimize the probability of accidents and maximize usability of electricity in all facilities.

Responsibilities

- Execute plans of electrical wiring for well functioning lighting, intercom and other electrical systems
- Install electrical apparatus, fixtures and equipment for alarm and other systems
- Install safety and distribution components (e.g. switches, resistors, circuit-breaker panels etc.)
- Connect wiring in electrical circuits and networks ensuring compatibility of components
- Prepare and assemble conduits and connect wiring through them
- Prevent breakdown of systems by routinely inspecting and replacing old wiring and insulated cables, cleaning circuits etc.
- Perform effective troubleshooting to identify hazards or malfunctions and repair or substitute damaged units

Requirements

- Proven experience as an electrician
- Experience in industrial and/or commercial electrical systems
- Demonstrable ability to use electrical and hand tools (e.g. wire strippers, voltmeter etc.) and electrical drawings and blueprints
- Thorough knowledge of safety procedures and legal regulations and guidelines

Welder Responsibilities

Include:

- Reading blueprints and drawings and taking measurements to plan layout and procedures
- Determining the appropriate welding equipment or method based on requirements
- Setting up components for welding according to specifications

Job brief

We are looking for a skilled **Welder** to cut and join metals and other materials at our facilities or construction sites. You will operate appropriate equipment to put together mechanical structures or parts with a great deal of precision. Your job is important as it provides the foundation for strong infrastructure.

A welder must be competent in using potentially dangerous equipment following all safety precautions. The ideal candidate will also have a steady hand and great attention to detail. Knowledge of different kinds of metal and their properties is essential.

Responsibilities

- Read blueprints and drawings and take or read measurements to plan layout and procedures
- Determine the appropriate welding equipment or method based on requirements
- Set up components for welding according to specifications (e.g. cut material with powered saws to match measurements)
- Operate angle grinders to prepare the parts that must be welded
- Align components using calipers, rulers etc. and clamp pieces
- Weld components using manual or semi-automatic welding equipment in various positions (vertical, horizontal or overhead)
- Repair machinery and other components by welding pieces and filling gaps
- Test and inspect welded surfaces and structure to discover flaws
- Maintain equipment in a condition that does not compromise safety

Requirements

- Proven experience as welder

- Experience using a variety of welding equipment and procedures (TIG, MMA etc.)
- Experience in using electrical or manual tools (saws, squares, calipers etc.)
- Ability to read and interpret technical documents and drawings
- Knowledge of relative safety standards and willingness to use protective clothing (face-shield, gloves etc.)
- Deftness and attention to detail
- Proficient in English
- Successful completion of a relevant apprenticeship program is required
- Professional Certification (e.g. an AWS welding certificate) will be a plus
- Plumbing or Mechanical Welding Experience

Job Responsibilities

- Test electrical systems using tools that include voltmeters, oscilloscopes and ohmmeters to determine where issues may be occurring, the safety of the system and to ensure compatibility
- Document actions, testing results, observations, final diagnosis of the situation and steps taken to resolve issues for each job or situation
- Repair electrical issues by replacing or installing components, wiring or devices
- Determine the steps necessary to assess an electrical situation using testing devices, blueprints and maps
- Maintain a safe work environment by adhering to all company guidelines and OSHA safety requirements and also through reporting violations of policies, procedures and guidelines to immediate supervisor
- Use ladders, scaffolding, platform and lifts to work on electrical systems in residential homes, on roadside poles and in commercial properties
- Maintain equipment to ensure it is in good condition and can operate or be used safely; report any issues to immediate supervisor

Job Skills & Qualifications

Required:

- Completed electrician apprenticeship
- Able to bend pipe/ conduit
- Proficiency with the National Electrical Code and local codes
- Valid driver's license and clean driving record
- Ability to read blueprints
- Must pass criminal background check and drug test
- Valid state license

Preferred:

- Previous experience working on commercial electrical systems

HVAC SHEET METAL MECHANIC

- Install, alter and repair sheet metal products and equipment ducts and hoods for HVAC systems utilizing blueprints, drawings and work orders.
- Plan and coordinate tasks and amount of material required for performance of work.
- Prepare and implement equipment based on need. Including, but not limited to power saws, drill presses, hand and power shears, pan and box brakes, lockformers, cleat benders, and rollers to cut, punch, thread and form sheet metal.
- Coordinate and Assemble ducts, hoods and other sheet metal products. Tasks include, but are not limited to solder and bolt connections; apply insulation as required; inspect assemblies and installation for conformance with specifications.
- Quality Assurance - operational checks of ducts and other sheet metal installations to determine quality and any necessary corrective action that may need to be taken.
- Provide direction and technical guidance to less experienced workers.

Competencies (include, but are not limited to)

Experience should be related specifically to assembling hoods and sheet metal air-conditioning and heating units.

- Proven working knowledge and experience in ability to read and interpret blueprints accurately
- Ability to troubleshoot service issues with systematic, thoughtful, timely and effective solutions and procedures
- Demonstrate proper and safe use of tools and related equipment
- Experience in providing quality, professional customer related services
- Ability to work and communicate effectively individually as well as in a team environment
- Ability to handle disruptions in stride with professionalism.
- Ability to work independently in commercial and construction settings.

- Exposed temperatures and weather conditions.
- May need to ride or drive in a vehicle for 2 or more hours at a time
- The need to speak clearly and carefully listen to customers and make recommendation based on expertise knowledge
- To reach over shoulder heights
- Crouch, bend, or stoop below the waist
- The need to occasionally, safely lift over 50 pounds
- Encounter confined spaces



- ○ **Commercial Plumber**
- **PURPOSE:** Responsible for installing, repairing, and maintaining pipes, fixtures and other plumbing used for water distribution and wastewater disposal in residential, commercial and industrial buildings. Work in a safe manner and keeps work area clean.
- **Essential Duties and Responsibilities:**
- 1. Install, repair and maintain plumbing systems and components.
- 2. Review building plans and specifications to determine the layout of plumbing and materials.
- 3. Identify required tools and special equipment.
- 4. Select the type of size of pipe required.
- 5. Locate and mark positions for connections and fixtures
- . 6. Install supports and hangers for pipe, fixtures and equipment.
- 7. Assemble and install valves and fittings
- 8. Install, repair and maintain water treatment equipment, piping and controls.
- 9. Install, repair and maintain underground storm sanitary and water piping systems.
- 10. Install, repair and maintain water heaters and conditioners.
- 11. Install, repair and maintain plumbing fixtures, appliances and trim.
- 12. Test pipe systems and fixtures for leaks.
- 13. Ensure all installations, repairs and maintenance meet code requirements.
- 14. Must be able to Mig, Tig, & Arc weld.
- 15. Must be willing to cross trade.
- 16. May be called out at odd hours or have to work long hours in case of emergency.

- 17. Must be willing to work in and out of state.
- 18. Must have valid driver's license and be insurable to drive.
- 19. Mentors fellow employees to enhance their skill sets.
- **Qualification/Skills:**
- 1. Proficient knowledge in: water distribution and wastewater disposal in residential, commercial and industrial buildings and building codes.
- 2. Good communication and reasoning skills
- 3. Good analytical and problem-solving skills.
- 4. Good verbal, presentation and listening skills.
- 5. Good time management skills.
- 6. Good hoisting and rigging skills.



Pipefitter

Duties and Accountabilities:

- Test and perform quality control on all mechanical pipe systems.
- Lay out pipe systems, hanger and equipment from drawings and job specifications.
- Install all mechanical piping systems and connect piping to equipment.
- Mark the welds made as directed by company policy.
- Clean and paint all welds as required by the job specifications.
- Complete and maintain a weld map if required.

Knowledge, Skills, and Abilities:

- Experience in assembling and installing a variety of metal and nonmetal pipes, tubes, and fittings, including iron, steel, copper, and plastic.
- Skilled in connecting pipes, using threaded, soldered, brazed, fused, solvent welded joints, pressed and grooved.
- Ability to secure pipes to structure with brackets, clamps, and hangers, using hand tools and power tools.
- Use Oxygen & Acetylene Rig to cut and Bevel pipe, Angle Iron Brackets Etc.
- Read and understand Isometric Drawings.
- Ability to Layout, miter fittings and fabrication of Branch Saddles.
- Ability to fit open butt-weld and socket-weld joints.
- Must be able to pass a 6G SMAW Bend test, or x-ray test.
- Minimum 4 years of experience in commercial Mechanical piping
- Basic OSHA 10-hour safety.

- Operate an Oxygen & Acetylene Burning rig, Cutting and Beveling Pipe.
- Ability to work overtime when required.

Pipe Welder

Principal Duties:

- Perform welding tasks at a level that meets job specifications.
- Stick, MIG, and TIG welding. B31.1
- Work with carbon steel pipe, copper pipe, and stainless pipe.
- Mark welds made as directed by company policy.
- Clean and paint all welds required by the job specifications.
- Assist Fitter as needed.
- Complete and maintain a weld map if required.
- Must be Proficient in with Stainless Steel

Knowledge, Skills, and Abilities:

- Minimum 2 years' experience in pipe and structural welding trade.
- OSHA 30-hour certification.
- Ability to work overtime when required.
- Valid driver's license and transportation project to project.



Low Voltage Technician

SUMMARY: Test, troubleshoot, repair and maintain electronic systems that are part of District buildings, including, but not limited to, fire alarm, temperature control, security, card access, intercom, clock, sound and scoreboard systems. Conduct preventative maintenance inspections and initiate work orders to repair deficiencies. Perform inspections of new construction and renovation projects. Perform programming, data backup and restoration functions for electronic systems. Maintain and update drawings and documentation for electronic systems.

Responsibilities:

- Must have the ability to work unsupervised and be highly self-motivated.
- Must be able to read, understand and maintain the ability to install and repair all systems
- Must have basic computer skills and knowledge of setting up a basic computer network.
- **Low voltage systems communication knowledge a must.**
- Exceptional customer service and communication skills.
- Must be able to demonstrate planning, organizing and implementing skills, which allow the successful completion of a project by a specific due date.
- Must pass background and drug screening prior to employment.

- Must have and maintain clean Florida driver's license.
- Must possess their own tools and maintain the tools required to do the job.