



March, 2013

## FABRICATING – PLASMA

Department: Manufacturing

Status: Shop Hourly

Reports to: Department Supervisor

Personal Protective Equipment: Safety Glasses, hearing protection, safety footwear (ANSI-Z41 rated), gloves and other protective equipment as needed.

### Position Requirements

Position requires working knowledge of forklifts, hoists, slings, hand tools, tape measure, drills, grinders (portable & bench). Person must maintain a good work ethic and environment built on teamwork, continuous improvement, safety, communication, customer service/satisfaction and organization. Knowledge of oxygen/acetylene torch, mechanical, pneumatic, electrical and hydraulic skills is also required.

### Primary Job Duties

- Maintain level of work performance in accordance with Astec Mobile Screens Quality Control Standards and/or job order specifications.
- Read and follow job order specifications and blueprints.
- Comply with OSHA Safety and Health rules.
- Set up and operate thermal cutting machine which cut metal plates and structural shapes to dimensions, contour and bevel specified by blueprints, layouts, work orders, and templates.
- Lifts, positions and clamps metal stock onto bed of machine.
- Connects hoses from torch to regulator valves and cylinders of oxygen and fuel gas, such as acetylene, hydrogen, or propane.
- Selects torch tip and computes gas pressure and mixture, and speed of cut, according to type and thickness of metal, data charts, or record of previous cuts.
- Installs tip to torch, pushes button to adjust sliding arm from side or overhead carriage to position torch over cutting line and to adjust height of head over work piece to make longitudinal cuts.
- Adjusts length of radial arm to cut out arcs or circles.
- Tilts angle of torch to cut bevels.
- Pushes buttons and reads gauges to obtain selected gas pressure and mixture and set speed of cutting action.
- Pushes button to automatically light torch, preheat metal to oxidizing temperature and open valve to release additional oxygen to cut through metal.
- Pushes button to automatically position torch at cutting line and to start machine moving along line.
- Maintain records of operating data.
- Scrap slag off all parts coming off plasma table.
- All duties must be performed in compliance with Astec Mobile Screens policies relating to safety and housekeeping.

### Essential Qualifications

- Perform work standing on concrete up to 12 hours a day.
- Must be able to work in various positions including squatting, bending and reaching. (Temporary variance may be accommodated based on employee's primary assignment.)
- Ability to push/pull/lift up to 60 lbs. (limit could vary depending on primary work).
- Perform work in heavy industrial setting involving congestion, with exposure to industrial fumes, smoke, dust and noise.

This description is intended as a guide only. The listed duties may be changed at the discretion of the Department Supervisor or Production Supervisor or Plant Manager.