

Sheet Metal Mechanic Job Description

- Read and interpret blueprints, drawings, specifications, sketches, and computer-aided designs for sheet metal fabrication work
- Take measurements and create project plans to determine required materials and sequence of operations
- Set up, operate, adjust, and maintain cutting machinery like shears, press brakes, and CNC machines to cut, bend, shape metal material
- Shape, mold, crimp, and trim metal pieces and parts using hand and power tools
- Fit, align, and permanently join sheet metal pieces together by welding, riveting, bonding, bolting, or soldering
- Build ductwork, cabinets, pans, drainpipes, sign lettering, railway carriages, aeroplane fuselages, and various metal parts
- Install ventilation, air conditioning, and drainage systems with completed sheet metal assemblies and parts
- Repair, replace, and maintain existing sheet metal systems and infrastructure
- Ensure all finished products meet specifications and quality standards for proper functioning
- Cleanup work sites and dispose of scraps and waste materials from fabrication
- Recommend materials, machinery, or processes to improve production efficiency
- Initiate and lead safety procedures, training, and use of protective gear
- Advise clients, engineers, architects and other tradespeople on sheet metal work details and capabilities
- Perform inspection of equipment and inventory maintenance
- Train apprentices and new sheet metal workers on technical tasks and industry best practices
- Document work activities, inventory, and production

- Comply with building codes and occupational health and safety regulations.