



Jonathan Patton

Project Manager/ Detailer (Ext: 119)

OBJECTIVE: To obtain employment in a technically challenging environment.

EXPERIENCE:

AMECO-USA - Sales Engineer

- Obtain request for quotation from customers for custom metal fabrications.
- Acquire material costs from vendors and determine all manufacturing processes necessary to completely fabricate parts for customer.
- Develop formal quotation for customer review.
- Receive purchase orders from customers and submit them to accounting for job folder creation.
- Create purchase orders for all necessary materials for fabrication.
- Produce all necessary drawings using Draftsight and AutoCAD, Shop Routings, and CNC Plasma programming using ProNest 2012
- Monitor project as it progresses through the shop and assist with any issues that arise.
- Assist Quality department in final check of final product prior to notifying customer of job completion
- Create Bill of Lading and Packing Lists and arrange shipping of final product to customer

David Round Company 2011-Current

Mechanical Engineer

- Develop concept drawings for custom hoists and cranes to meet specifications for customer approval.
 - I Carbon/Stainless steel chain/wire rope/strap hoists (1k-12k lb capacities)
 - II Carbon/Stainless steel floor cranes. (1K-6K lb capacities)
- Record and calculate stresses and reactions.
 - I Verify adequate counterweight is supplied for lifting capacities on floor cranes
- Create 3-D parts and assemblies in Solidworks 2011.
 - I Grooved drum for wire rope hoists; 7.5ton, double-reaved wire rope hoist for high shock testing.
- Work in tandem with the manufacturing plant manager and plant employees to assess issues and create solutions.

Worthington Stair 2007-2011

CAD operator

- Review and furnish shop and fabrication drawings for many projects in AutoCAD programs from Architectural & Structural contract drawings
- Handle drawings on high dollar projects
- Design and Create 3D objects utilizing AutoCAD 2005-2010.
 - II Examples: Hilti KB-TZ anchor; Railings, Stairs, & Landings.
- Design custom parts in Revit Architecture 2010
 - I Examples: Adjustable Hanger Rod & Strut, Custom Handrail Bracket, Embed Plates, Spring hinge, Adjustable Grating, Adjustable Landing
- Problem Solving
 - I Checkered plate design; Prevention of Field issues; New Revit Designs.
 - a Unable to maintain riser height due to radius at nosing. I suggested a 12° kick in the riser to get past the radius
 - . This acts as our standard riser design for all future checkered plate applications

EDUCATION:

- **2002-2008 The University of Akron Mechanical Engineering Technology**
 - Associate's Degree acquired December 2006.
 - Bachelor's Degree acquired December 2008.
 - President of the Collegiate Billiards Tour Association 2003-2008.