

**CAD Designer/Drafter****Location:** Katy, TX**Hours:** Monday–Friday, 8 a.m.–5 p.m., CST**Experience:** Trade school completion or equivalent experience with Autodesk or similar products; Associate degree highly preferred, but not required; minimum of two years of hands-on experience with Autodesk products.

If you're a CAD Designer or Drafter with hands-on experience and a strong desire to learn, you may have the perfect opportunity to grow at FORGE. We're looking for a top-notch professional to assist our multidisciplinary team with delivering turnkey equipment projects in the commercial construction and distribution industry.

ESSENTIAL DUTIES AND OTHER RESPONSIBILITIES:

- Utilize Autodesk products to generate all CAD drawings
- Assist sales team with proposal conceptual layouts for MHE systems, including racking, conveyor, structures and automation
- Create 3D drawings for proposals
- Generate various project drawing sets for general arrangement, customer approval, permits and installation
- Develop fabrication drawings for custom parts and structural steel components
- Perform material takeoffs from drawings to generate Bills of Material (BOM) for proposal pricing and project material orders
- Communicate with external Engineer of Record (EOR) to obtain preliminary design verification and final stamped drawing and calculation packages
- Assist in obtaining and maintaining external vendor and supplier CAD block libraries
- Work directly with external vendors and suppliers to identify and specify equipment required to meet the system requirements
- Utilize, maintain and codevelop internal XWS CAD standards, templates, block libraries, and Standard Operating Procedures (SOP)
- Support Project Managers (PM) and Project Management Assistant (PMA) throughout the project process
- Occasional travel to project sites to take measurements and verify dimensions or support installation of the equipment
- Assist the project engineering team in research, scoping, estimating and field data collection as needed
- Attend all design review meetings for assigned projects
- Provide QA/QC of drafting design deliverables in compliance with our drafting standards
- Check all preliminary facility and manufacturing drawings for the correct dimensions, adherence to codes, policies, specifications and standards required
- Determine the type and number of drawings required to provide a complete design package
- Communicate design options and recommend facility design improvements
- Select materials, fittings, wires, etc., within the confines of the job specifications, codes, and standards, as required



- Identify and specify instrumentation and related items from process flow sheets, P&IDs, and piping drawing
- Provide technical assistance and direction to drafting personnel as required
- Reference technical handbooks, codes and catalogs

QUALIFICATIONS:

- Trade school completion or equivalent experience in Autodesk or similar products
- Associate degree highly preferred, but not required
- Minimum of two years of hands-on experience with Autodesk products (educational equivalent not accepted as experience)
- Two or more years of experience with Microsoft Office: Word, Excel, Outlook, PowerPoint
- 3D modeling experience is a plus

PHYSICAL REQUIREMENTS AND/OR WORKING CONDITIONS

- Office and field work required
- Minimal travel as needed for meetings with customers, to manage project superintendents and to perform quality control of subcontractors