

CAD Drafter @ Parsons Pipe Organ Builders – Canandaigua, NY

We are seeking a detail-oriented **CAD Drafter** to support the design, manufacturing, and installation of custom pipe organs. This position is primarily responsible for creating, updating, and maintaining accurate 2D drawings and 3D models based on information provided by designers, engineers, project managers, field measurements, and existing documentation.

The CAD Drafter works closely with the design department and shop personnel to produce clear, accurate drawings that can be used for fabrication, assembly, and installation.

Responsibilities

- Create and revise 2D drawings and 3D CAD models for custom pipe organ projects.
- Produce detailed shop, fabrication, assembly, and installation drawings.
- Convert sketches, field measurements, markups, and design information into accurate CAD drawings.
- Update existing drawings as project requirements or field conditions change.
- Prepare dimensioned drawings, detailed views, sections, and elevations.
- Create drawings for organ components
- Prepare DXF, DWG, STEP, and other files for fabrication or outside vendors.
- Incorporate architectural drawings and field measurements into project drawings.
- Check drawings for dimensional accuracy, clearances, and completeness.
- Maintain drawing revisions and organized project files.
- Assist with updating older or existing drawings into current CAD standards.
- Work with shop personnel to clarify dimensions and drawing details.
- Assist with site measurements and field documentation when required.
- Follow company drafting standards, naming conventions, and documentation procedures.

Qualifications

- Experience with 2D and 3D CAD software.
- Strong drafting and technical drawing skills.
- Ability to read and interpret architectural, mechanical, and fabrication drawings.
- Ability to accurately work from sketches, measurements, and marked-up drawings.
- Strong understanding of dimensions, scale, tolerances, and basic geometry.
- Good spatial awareness and ability to visualize three-dimensional assemblies.
- Strong attention to detail and accuracy.
- Good organizational skills and ability to manage drawing revisions.
- Ability to work independently while following directions from designers and project managers.
- Familiarity with manufacturing, woodworking, metal fabrication, or mechanical assembly is helpful.
- Experience with **IronCAD, AutoCAD, or similar CAD software** is preferred.
- Previous pipe organ experience is helpful but not required.

Preferred Background

Candidates may have education or experience in:

- CAD drafting
- Mechanical drafting
- Architectural drafting
- Engineering technology
- Manufacturing
- Woodworking or cabinetry
- Metal fabrication
- Custom equipment or machinery

Ideal Candidate

The ideal candidate is accurate, organized, and comfortable turning sketches, measurements, and design information into clear working drawings. This position is best suited for someone who enjoys technical drafting and detailed documentation and who can work closely with designers and craftspeople on one-of-a-kind projects.