

SETH K. FOSTER

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PROFESSIONAL PROFILE:

Engineering Technician with 10+ years of CAD and design experience, including 7+ years supporting electrical substation and renewable energy projects with Black & Veatch's Global Power Delivery Group. Experienced in multi-disciplinary coordination, design development, quality review, and mentoring junior technicians. Strong background in AutoCAD, MicroStation, and 3D modeling with demonstrated leadership in technical training and process improvement.

TECHNICAL SKILLS

Design Software: AutoCAD, MicroStation, Autodesk Plant 3D, CADWorx, Smart 3D

Disciplines: Electrical Substation Design, Renewable Energy, Process Piping

Capabilities: 2D & 3D Modeling, P&ID Development, Isometrics, Redlining, As-Built Drawings

Technical Tools: Microsoft Office Suite (Excel, Word, PowerPoint), AutoCAD Macros

Certifications: OSHA 10

WORK EXPERIENCES

Black & Veatch

Staff Engineering Technician

Electrical Substation Design, Renewal Energy, Multiple disciplinary

January 2018 – Present

Support electrical substation and renewable energy projects within the Global Power Delivery Group.

- Develop and maintain complex 2D and 3D design drawings using AutoCAD and MicroStation.
- Lead coordination across multiple disciplines to ensure accurate and compliant project deliverables.
- Review and redline deliverables produced by junior technicians to ensure quality and consistency.
- Perform design calculations, material take-offs, and detailed quantity estimates.
- Define work assignments, manage drafting schedules, and support project timelines.
- Apply industry standards, codes, and company procedures to all technical documentation.
- Provide technical guidance and mentorship to junior team members.
- Support field activities and respond to design revisions based on site conditions.
- Led internal "Drafting & Design" training session (Brown Bag Event, March 2023).

Pinnacle Advanced Reliability Technologies (Pinnacle ART)

CAD Drafter

January 2017 – July 2017

- Developed and updated isometric drawings and P&IDs using AutoCAD.
- Identified piping "dead legs" in plant systems through technical review.
- Maintained Excel-based tracking systems to align deliverables with project schedules.
- Produced as-built documentation and drawing revisions.

EARLY WORK EXPERIENCE

CAD Drafter & Drafting Support Roles

2007 – 2016

Gained foundational drafting experience in process piping, surveying, and mechanical design.

- Created 2D and 3D preliminary construction drawings.
- Assisted in property surveys and redlined existing drawings.
- Tutored drafting students at Lee College in CADD and Process Piping programs.
- Coordinated workflow and operations in team-based environments.

EDUCATION

Lee College

Certificate of Completion – Computer-Aided Drafting and Design

Certificate of Completion – CADD Advance Technology

Associate Degree of Applied Science – Process Pipe Design

Relative Coursework:

- Technical Drafting
- Intermediate Computer Aided Drafting
- Adv. Computer Aided Drafting
- Process Pipe Design
- Statics & Strength of Materials
- Basic Computer Aided Drafting
- Technical Math Applications
- Oral Communication
- Adv. Process Pipe Design
- Field Measure & Sketch