

Chloe Babin

PIPING DESIGNER

 Baton Rouge, LA
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Certificates

Basic Plus Safety Orientation

Safety Council of Louisiana
Capital Area
02/2023

Transportation Worker Identification Credential (TWIC)

Transportation Security Administration
06/2021

Skills

Piping Design
AutoCAD Plant 3D • CADWorx
E3D • Navisworks
MicroStation • AutoCAD
P&IDs • Excel
Attention to Detail

Summary

Piping designer with 5 years of piping design for refineries and chemical plants on the Gulf Coast, working in AutoCAD Plant 3D, CADWorx and E3D. Reads P&IDs and vendor data to route lines, place supports and issue isometrics that fit up in the field. Uses Navisworks reviews and attention to detail to catch clashes before fabrication.

Experience

Piping Designer 01/2023 - Present

Bayou Process Engineering Baton Rouge, LA

EPC engineering contractor of 300 serving petrochemical plants in Louisiana and Texas.

- Design process and utility piping in E3D for a 12-unit chemical plant expansion, issuing **480** isometrics.
- Model pipe supports with stress engineers so every critical line had a signed-off support plan.
- Conduct weekly Navisworks clash reviews and close 95% of hard clashes before the 60% model review.
- Update P&IDs after field walkdowns and revise line lists in Excel for 3 turnaround projects.

Piping Designer 05/2021 - 12/2022

Gulf South Fabricators Gonzales, LA

Pipe fabrication shop and design office serving local refineries.

- Produced spool drawings in CADWorx and AutoCAD for 2,200 spools with a 1.5% shop rework rate.
- Converted MicroStation plot plans and laser scan data into AutoCAD Plant 3D models for tie-in work.
- Checked bills of materials against pipe specs and caught 40 wrong flange ratings before purchase.
- Verified tie-in points and elevations on 18 existing units with the pipe fitters.

Education

Associate of Applied Science 05/2021

Baton Rouge Community College Baton Rouge, LA
Drafting and Design Technology