MARIA NOVAK

STRUCTURAL DESIGNER

CONTACT

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SUMMARY

Structural designer with 4 years of experience producing steel and concrete design drawings for industrial plants, substations and commercial buildings. Builds 3D models in Revit and MicroStation, runs clash checks in Navisworks, and turns engineer markups into accurate, permit-ready sheets with strong attention to detail.

SKILLS

- Structural Design
- Revit
- MicroStation
- AutoCAD
- Navisworks
- Steel Detailing
- Excel
- Microsoft Office
- Attention to Detail

EDUCATION

Associate in Applied Science

05/2022

Community College of Allegheny County

Pittsburgh, PA

Civil Engineering Technology

CERTIFICATES

Autodesk Certified Professional: Revit for Structural Design

2024

Autodesk

EXPERIENCE

Structural Designer 05/2023 - Present

Three Rivers Engineering Group — Pittsburgh, PA

Multidiscipline engineering firm serving manufacturing, power and commercial clients.

- Produce **300+** structural drawings a year, including framing plans, sections and connection details.
- Model pipe racks, equipment platforms and foundations in Revit and MicroStation for 8 plant projects.
- Perform Navisworks clash checks with piping and electrical, clearing 400 clashes before issue for construction.
- Calculate simple beams, base plates and anchor bolts in Excel for engineer review on 8 plant projects.
- Coordinate drawing schedules with 4 engineers and keep every package on its issue date.

CAD Drafter 06/2022 - 04/2023

Allegheny Steel Detailing — McKees Rocks, PA

Steel detailing shop for commercial and bridge fabricators.

- Drafted 150 shop drawings in AutoCAD for beams, columns and stairs.
- Reduced fabricator RFIs 25% by adding dimension checks to the drawing checklist.
- Organized drawing logs and transmittals in Microsoft Office for 12 jobs.