Megan Doyle

Mechanical Designer

Denver, CO (303) 555-0139 megan.doyle@email.com linkedin.com/in/megandoyle

SUMMARY

Mechanical designer with 4 years at an MEP engineering firm and a mechanical contractor in Denver, drawing HVAC and plumbing systems for hospitals, schools and offices. Builds Revit and AutoCAD models from engineer markups, runs clash checks in Navisworks, and delivers clean construction documents on deadline with close attention to detail.

EDUCATION

Associate of Applied Science 05/2022
Front Range Community College Westminster, CO
Drafting Technology

EXPERIENCE

Mechanical Designer 05/2024 - Present
Front Range MEP Engineers Denver, CO

Designer in a 40-person MEP firm, supporting 4 mechanical engineers on healthcare, K-12 and office projects.

- Model HVAC ductwork, hydronic piping and equipment in Revit for **12** projects totaling 900,000 sq ft.
- Coordinate clash detection with structural and electrical models in Navisworks, clearing 400+ conflicts before bid sets.
- Draft mechanical schedules, details and riser diagrams from engineer markups, meeting every permit and bid deadline in 2025.
- Measure existing ducts and equipment on 8 site visits a year, updating the 3D modeling of renovation areas.

Mechanical Drafter 06/2022 - 04/2024
Mile High Building Systems Lakewood, CO

Drafting role at a mechanical contractor preparing shop drawings for sheet metal and piping crews.

- Produced **250+** ductwork shop drawings in AutoCAD MEP for the in-house sheet metal shop.
- Converted 2D plans to Revit models on 6 projects as the company moved its drafting work to BIM.
- Built an Excel tracker for 1,800 duct fittings that cut material over-orders by 12%.
- Resolved 60 RFIs from field foremen with marked-up sketches, most within 24 hours.

CAD Drafting Intern 06/2021 - 08/2021
Summit Facilities Engineering Aurora, CO

Summer internship on a building records project for a facilities engineering group.

- Traced **15** existing building floor plans in AutoCAD from scanned paper drawings.
- Tagged 900 HVAC units and valves on as-built drawings after site walks with the facilities manager.
- Filed 400 scanned drawings in the facilities document system with consistent names.

SKILLS

AutoCAD • Revit • HVAC • Navisworks • 3D Modeling • BIM • Shop Drawings Construction Documents • Excel • Attention to Detail

CERTIFICATES

Autodesk Certified Professional in AutoCAD
Autodesk
2023