COMFORT SYSTEMS USA
Central Texas

Mechanical Pipe Takeoff Modeler

Job Overview:

We are seeking a skilled and detail-oriented **Mechanical Pipe Takeoff Modeler** to join our engineering team. In this role, you will be responsible for creating accurate and detailed takeoff models for mechanical piping systems. The ideal candidate will have a strong understanding of mechanical design and construction, particularly in the context of piping systems, and experience working with 3D modeling software and BIM (Building Information Modeling) tools

Key Responsibilities:

- **Pipe Takeoff Modeling**:
  - Create accurate 3D takeoff models of mechanical piping systems, including but not limited to piping layouts, valves, hangers, supports, and equipment.
  - Ensure the models meet project specifications, codes, and standards, including ASME, ANSI, and others relevant to the industry.
- **Collaboration with Design and Engineering Teams**:
  - Work closely with pre-construction manager and VP of pre-construction to review mechanical design drawings and determine material requirements.
  - Provide input on potential design issues or challenges based on model takeoffs.
- **Modeling and Drafting**:
  - Use BIM software (such as Revit, AutoCAD MEP, and PowerBI) to create, update, and modify mechanical piping models as required.
  - Perform accurate quantity takeoffs from the models and generate reports for procurement, fabrication, and construction teams.
- **Quality Control and Verification**:
  - Review takeoff models for accuracy and completeness, ensuring the models are aligned with design specifications.
  - Conduct clash detection and resolve any discrepancies between disciplines (e.g., mechanical, electrical, plumbing, structural).
- **Coordination and Communication**:
  - Communicate effectively with takeoff team members, on deadlines and project statuses.
- **Documentation and Reporting**:
  - Prepare takeoff spreadsheets using Power BI desktop, Excel, and CINX.
  - Manage revisions to takeoff models and update project estimate pricing due to changes or updates.

Qualifications/Requirements:

- **Education**:
  - High School Diploma or equivalent.
- **Experience**:
  - Experience in mechanical piping design, takeoff modeling, or a related field.
  - Hands-on experience with BIM software (Revit, AutoCAD MEP, Navisworks, etc.).
  - Experience working on large-scale construction projects in sectors such as commercial, medical, and data centers.
- **Skills**:
  - Strong knowledge of mechanical piping systems, materials, and construction practices.
  - Proficiency in BIM tools for modeling and takeoff (e.g., Revit, AutoCAD, etc.).

- Familiarity with industry standards and codes such as ASME, ANSI, and other relevant piping specifications.
- Ability to read and interpret construction drawings, blueprints, and technical specifications.
- Strong attention to detail and problem-solving skills.

This position works in an office setting in a team-oriented environment but may require occasional site visits to construction sites.

Additional Requirement: Ability to pass a full background screening that includes criminal background and drug test.

Build a career, not just a job. Join a company where your potential is recognized and your skills are valued. We offer competitive compensation/benefits package, career growth/advancement, and a supportive work environment with a collaborative innovative team. Apply today to be part of our dynamic team!

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Benefits:

- 401(k) matching
- Medical/Dental/Vision insurance
- Health savings account (HSA)
- Life insurance
- Short Term/Long Term Disability
- Paid time off (PTO)/Holiday Pay
- Employee Discounts Program