

JOB TITLE: Mechanical Engineer: Restoration & Reconstruction

OVERVIEW: Evolution Restoration & Renovation is a Phoenix-based restoration and reconstruction company specializing in insurance-driven mitigation, reconstruction, and mechanical operations. We are looking for a skilled Mechanical Engineer to support our field teams, estimating department, and project managers with technical engineering expertise across HVAC, mechanical systems, and restoration projects.

This role requires the application of engineering principles, technical analysis, and specialized knowledge in a fast-paced, field-integrated environment.

Website: <https://evorestore.com>

LOCATION: 1634 E. Jefferson St, Phoenix, AZ 85034

SCHEDULE: Full-Time

SALARY: \$60,000 annually

TYPE: Long-Term / Direct Hire

KEY RESPONSIBILITIES

1. HVAC Engineering & Design

- Perform residential and commercial HVAC load calculations using industry standards and software
- Design and review HVAC system layouts, duct sizing, equipment selection, and airflow requirements
- Evaluate existing HVAC systems and provide recommendations for repair, replacement, or upgrades
- Review plans and specifications to ensure compliance with applicable building codes and engineering standards
- Assist with value engineering opportunities to improve project efficiency and performance

2. Mechanical System Inspections

- Conduct inspections of HVAC equipment, ventilation systems, mechanical systems, and related components
- Evaluate performance of mechanical systems affected by water, fire, smoke, mold, storm, or other property losses
- Provide written reports documenting findings, deficiencies, and recommendations
- Assist estimating and project management teams with mechanical scopes of work

3. Mitigation Equipment Oversight

- Manage and inspect mitigation equipment including air movers, dehumidifiers, HEPA air scrubbers, desiccant drying systems, negative air machines, and moisture monitoring equipment
- Develop maintenance schedules and quality control procedures
- Coordinate equipment repairs, calibration, testing, and inventory management
- Verify equipment performance and operational readiness

4. Mechanical Testing & Diagnostics

- Perform HVAC system diagnostics and performance testing
- Conduct airflow testing, static pressure testing, temperature differential testing, and moisture-related evaluations
- Assist with indoor environmental quality investigations
- Review and analyze data from monitoring equipment and testing devices
- Support troubleshooting of mechanical system failures

5. Engineering Support for Construction Projects

- Assist project managers with mechanical engineering review of restoration and reconstruction projects
- Review mechanical drawings, plans, specifications, and contractor proposals
- Coordinate with architects, engineers, municipalities, subcontractors, and consultants
- Assist with permit-related documentation and code compliance reviews
- Provide engineering recommendations for repairs, remodels, tenant improvements, and reconstruction projects

6. Quality Assurance & Compliance

- Ensure all mechanical work complies with applicable local, state, and federal regulations
- Verify adherence to manufacturer specifications and industry best practices
- Conduct field quality inspections and documentation reviews
- Support safety initiatives and regulatory compliance programs

7. Project Coordination

- Collaborate with estimators, project managers, mitigation teams, and subcontractors
- Assist in scheduling mechanical work and coordinating project milestones
- Monitor project progress and identify potential issues before they impact schedules or budgets
- Participate in project meetings and provide technical expertise

8. Research & Development

- Evaluate new technologies, equipment, and processes that improve operational efficiency
- Assist in developing company standards, SOPs, and training programs related to mechanical systems

- Support innovation efforts for restoration, mitigation, and construction operations

9. Training & Technical Leadership

- Provide technical guidance to field personnel, estimators, and project managers
 - Assist with training related to HVAC systems, drying science, mechanical inspections, and equipment operation
 - Serve as a technical resource for complex mechanical challenges
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PERFORMANCE EXPECTATIONS

- Maintain a high level of professionalism and technical competence
 - Deliver accurate engineering analysis and recommendations
 - Support project profitability through efficient planning and execution
 - Promote safety, quality workmanship, and customer satisfaction
 - Contribute to the continued growth and success of Evolution Restoration & Renovation
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REQUIREMENTS

- Bachelor's degree in Mechanical Engineering – required
- Experience with HVAC design, load calculations, and mechanical system inspections
- Familiarity with restoration, mitigation, or construction environments – preferred
- Strong written and verbal communication skills
- Ability to read and interpret mechanical drawings, plans, and specifications
- Detail-oriented with strong documentation habits
- Ability to work independently and collaborate across teams