



## **JOB DESCRIPTION: MECHANICAL ENGINEER – BUILDINGS**

Seeking licensed mechanical engineer with experience in building design to help grow and support our services and related technology products in California and the greater Mountain West. Being based out of the San Francisco Bay Area; Jackson, Wyoming; or Bozeman, Montana preferred. A fully remote position may be considered for the right candidate.

You understand how buildings and systems are put together and recognize that thoughtful enclosure design improves occupant comfort, reduces heating and cooling loads, and saves owners energy and money. You have demonstrated creativity and technical excellence in providing HVAC and plumbing design for a variety of building types. You are also skilled with project management, design review and construction administration tasks and are highly motivated to solve the nation's housing crisis and planet's climate crisis.

### **Why Join Beyond Efficiency?**

*We empower people to create enduring human-centered buildings.*

Beyond Efficiency is a highly respected consulting team of progressive engineers and architects headquartered in Jackson Hole, Wyoming with other team members in California, Oregon, Michigan and the greater Mountain West. We provide energy modeling, mechanical engineering and green building services primarily focused on multifamily and single-family residential projects throughout the western U.S. We also provide policy and program development, training/education, and research services. *Our BIG BOLD goal is to apply creativity and technology to solve a significant industry challenge. We have an exciting initiative in development that will be launched to the public in the spring of 2023!*

We consider our key role as "client advocate" to help ensure a client's project objectives are achieved. We do this by asking insightful questions at project initiation to establish clear, actionable goals and performance requirements, and then filling knowledge and skills gaps that often exist in project teams. Our educational philosophy, holistic understanding of buildings, and technical expertise give teams confidence to make better decisions and create buildings that improve people's lives.

Beyond Efficiency offers a relaxed and flexible work environment with unlimited opportunities to carve your future and make a difference. We have a liberal paid time off (PTO) policy paired with moderate billable hour requirements, competitive salaries, generous professional development allowances, 100% health and dental insurance coverage, and 401(k) retirement plan with employer matching. Beyond Efficiency also endeavors to provide similar or equal benefits as that offered in the most generous state to every person, regardless of the state in which they reside, and so provides maternity and paternity leave and abortion care travel benefits if not otherwise offered in the state in which a person resides. Learn more [about us](#), [our values](#) and [our approach](#) to our work.

## **Responsibilities**

*Role Summary: Contribute to achieving department-level Products and Services goals in Strategic Plan by ensuring work quality and project success and prioritizing initiatives that maximize impact.*

## **Core Role**

1. Recommend and explain strategies for low load, high performance HVAC and plumbing systems to clients and design team, primarily focused on multifamily and single family housing projects
2. Evaluate, design, and develop a variety of systems and technologies including all-electric, air-to-air and air-to-water heat pumps, heat/energy recovery, hydronic, VRF, solar thermal, ground source/geothermal, balanced ventilation, heat pump water heaters (HPWH), plumbing and controls
3. Develop outline specifications, Basis of Design (BOD), and full construction documents that achieve goals set out in Owner's Project Requirements (OPR) documents
4. Interpret and apply code and program requirements for building, energy and green codes or programs e.g. IBC, IRC, IMC, IECC, California's Title 24, LEED, WELL, Living Building Challenge, Passive House, local amendments and other relevant standards
5. Review plans, documentation, and contractor submittals for compliance with requirements; provide peer review of plans developed by others
6. Provide construction administration (CA) services: complete field visits to review progress, verify compliance with requirements, and solve field issues
7. Be an effective project manager, acting as main point of contact for clients, tracking schedules and deliverables, and producing or delegating as needed to get the work done
8. Prepare logically organized, technically accurate, and clearly presented emails, reports, plans and specifications
9. Research and understand engineering licensure requirements as relevant to firm's work, and support Operations Department colleagues with ensuring compliance at individual and firm levels
10. Work with colleagues to strategically identify and pursue business opportunities, evaluate leads, provide feedback on proposal and budget development approaches, and develop and nurture relationships with external peers, experts, and organizations

## **General**

11. Leverage other team members' expertise or knowledge when needed; understand when to ask for help
12. Outline work plans prior to starting work, maintain logically organized and labeled files, and adequately document decisions or activities

13. Provide regular status updates or reports in company's project tracking system and review progress with team
14. Understand contracted work scopes, work within budgets and meet billable targets
15. Establish thought leadership by writing blog posts, being active in outside organizations, and educating and engaging with the greater community
16. Do what needs to be done that may fall outside your formalized job roles

### Minimum Qualifications

1. Legally authorized to work in the U.S. with mechanical engineer's license in any state
2. Mechanical engineering degree or equivalent education or experience
3. Minimum three years working as a licensed engineer on buildings
4. Commitment to professional excellence demonstrated through continual learning and active involvement in organizations and your local community
5. Self-starter with a can-do and "get things done" attitude
6. Technical aptitude with ability to quickly learn and integrate new concepts and tools
7. Excellent written and verbal communication skills (clear, concise, logically presented and appropriately catered to recipients)
8. Critical thinker with innate ability to challenge assumptions, ask the right questions, and solve problems
9. Strong judgment with understanding of best way to proceed in challenging situations
10. Strong organizational and project management skills
11. High integrity, doing the right thing even when it's hard
12. High initiative, always looking to improve things

### Role Information

- Primary Department + Practice Area: Products + Services, Building Consulting
- Position Type: Full-time salaried, exempt, Project Manager or Senior level
- Pay Range: \$75,034 – \$115,560 depending on experience and location (cost of living)
- Primary Technical Mentor: Dan Johnson, AIA

### How to Apply

Beyond Efficiency is committed to the principle of diversity in our workplace. We believe that diverse perspectives help us better empathize with and serve our clients, leading the way towards a more sustainable and equitable future. In that spirit, we strongly encourage applications from qualified people of all cultural and economic backgrounds, faiths, gender identities and sexual orientations.

*To apply for this opportunity, please apply directly through the jobs page on our website at [beyondefficiency.us/jobs](https://beyondefficiency.us/jobs). Direct your cover letter to **Annette Hartsfield**. We'll review applications and invite selected candidates for interviews on a rolling basis.*