



Mr. Eismueller specializes in building energy systems, building control systems, HVAC systems design, plumbing system design, and fire suppression design. He has managed, designed and evaluated numerous HVAC and plumbing systems for the Air Force Academy. His experience as a mechanical contractor/technician and as a consulting engineer has provided him with troubleshooting skills in both commercial and residential HVAC and plumbing systems, equipment such as air handling, condensing units, furnaces, boilers and their controls including many others.

EDUCATION

BS, Architectural Engineering, Milwaukee School of Engineering, 2001

WORK HISTORY

Staff Mechanical Engineer, Western Engineering & Research Corporation, 2008 to Present

Mechanical Engineer, Eismueller & Sons, Inc. Chicago, IL, 2007-2008

Mechanical Engineer, RMH Group, Inc., Lakewood, CO, 2003-2007

Mechanical Engineer, MKK Consulting Engineers, Inc. Denver, CO, 2001-2002

MECHANICAL SYSTEMS ANALYSIS

- Analysis of failures of mechanical and plumbing systems and components.
- Managed and designed mechanical and plumbing projects for various buildings at The Air Force Academy's Falcon Stadium, Mitchell Hall, Vandenberg Hall, Sijan Hall, Fairchild Hall, Physical Education Building, Hospital Building, Officers Club and Cadet Chapel.
- Site investigation and documentation of building systems then preparation of Findings and Recommendation Reports. These reports typically included a design analysis section for mechanical and plumbing that incorporated a life cycle cost analysis that compared three different opinions on the replacement of their current systems.
- Design analysis comparing initial installed expense, cost to operate over the equipment's useful life and return on investment. System comparisons using spread sheets and energy analysis programs such as DOE-2.
- Managed the process of mechanical and plumbing design submittals to produce a final set of construction drawings, and specifications, engineering reports including design analysis, cost estimates and calculations.
- Project designed with teams of mechanical and plumbing engineers for high temp hot water project, refinery control building in Louisiana, Weld County Prison and Colorado State Penitentiary super maximum security prison in Canon City.

AFFILIATIONS

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Rocky Mtn. Chapter
American Society of Plumbing Engineers (ASPE)
Order of Engineering



Practice Areas: Mechanical, HVAC, Plumbing
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