TAYLOR STEVENS



TAYLOR HAS EXPERIENCE IN EQUIPMENT MAINTENANCE, PROJECT MANAGEMENT, AND MANUFACTURING. Title: Mechanical Designer

Education: Bachelor of Science > Mechanical Engineering > University of Nevada, Reno

Experience & Qualifications: Taylor has experience in system and equipment design, equipment maintenance, project management, and manufacturing.

As a mechanical designer, Taylor performs tasks including load calculations, building information modeling, duct and pipe sizing, and assisting with equipment selections. During the design process, she utilizes tools such as Autodesk's Revit software to coordinate with team members and their respective building design models.

Taylor's education was focused in thermodynamics, fluid dynamics, heat transfer, system design and renewable energy, as well as classes

PROJECTS:

LYON COUNTY FERNLEY JUSTICE COURT EXPANSION

Taylor was one of the designers on the Lyon Country Fernley Justice Court expansion. The scope of this project included demolition of a large portion of the existing building to give way to a new addition. Utilizing tools including Carrier's Revit HAP. Autodesk's and Taylor Microsoft Excel, made equipment selections and designed During ductwork systems. the Taylor design process, also Architects, collaborated with Electrical Engineers, and Structural Engineers to ensure the project was well coordinated and met client expectations.

LOVELOCK CORRECTIONAL PIPING AND DIGITAL CONTROL

Taylor played a key role in the Lovelock correctional piping and digital control replacement and upgrade. Specifically, Taylor was involved in the piping portion of the project. Extensive work was undertaken on campus to transition to a more energy-efficient variable primary/variable secondary configuration. piping Utilizing AutoCAD and the current piping schematics, Taylor identified which pumps needed removal and determined which sections of the piping systems required redesign for the new pumping system. To ensure uninterrupted prison operations during construction, Taylor contributed to developing a phasing strategy aimed at minimizing the project's impact on the facility.

NEVADA STATE HEALTH LABORATORY - DESIGN

Taylor had the opportunity to assist other designers in the design of the Nevada State Health Laboratory. This three-story laboratory is located at the University of Nevada, Reno campus. Specialized calculations, including exhaust plume studies and building pressure relation maps, were necessary to deliver a facility that not only met the owner's expectations but also complied with building codes. Coordination among trades during the design phase the lab's was crucial to ensure constructability minimize and to potential issues for the contractor during construction.