

Title: Mechanical Designer

Education: Graduated from the University of Nevada, Reno with a Bachelor of Science in Mechanical Engineering. Jason is currently working towards becoming an EIT.

Professional Affiliations: American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

Continuing Education: Revit 3D Mechanical and Plumbing System Design, HVAC and Plumbing Webinars.

Experience & Qualifications: Jason has 3+ years of experience in HVAC, Plumbing Design and Specializes in AutoCAD modeling.

As a Mechanical Designer, Mr. Maxim is responsible for HVAC and Plumbing Systems Design tasks. He analyzes buildings using Carrier Hourly Analysis Program, COMcheck, and other software to compile the result to help determine the building needs. He also uses the applicable codes and site-specific conditions to accurately size plumbing systems.

JASON HAS OVER
THREE YEARS OF
EXPERIENCE IN
HVAC AND
PLUMBING DESIGN.

PROJECTS:

WILDCREEK HIGH SCHOOL
RENO, NV

LOVELOCK CORRECTION CENTER
BUILDING 3
LOVELOCK, NV

UNR SARAH FLEISCHMANN OFFICE
RENOVATION
RENO, NV

Jason was a part of the design team for a 300,000 sq. ft. building consisting of a gym, classrooms, labs, locker room and much more. He was tasked with load calculations, Revit modeling, and sizing pipe and ductwork on this multi-story ground up high school. He took all of the information on the construction of the building and ran HVAC load calculations to help size cooling and heating equipment. After the equipment was sized, he designed ductwork and plumbing systems throughout the school. Careful consideration was essential in providing a cohesive and well thought out design.

Jason was a part of the design team for replacing eight air handling units and their connected components with new custom units. His tasks included: site visits, verification of existing conditions, interpret existing plans, mechanical and plumbing design, phasing, and coordination with other professional trades. These units were designed as custom units in order to provide the building and the owner with their specific needs. Phasing was very important on this project to ensure the entire building wasn't shut down during construction. Lots of planning and attention to detail went into the design of this existing secure prison facility.

Jason was assigned project manager for this office renovation. He made site visits to verify existing conditions and answer construction questions. This project consisted of renovating an office space, retrofitting the ductwork, replacing air distribution devices, and adding condensate pumps for existing fan coils. Special consideration was taken into account for retrofitting the existing ductwork and routing of pipes. He considered noise levels and workspace available to come up with a well-rounded design. This job helped Jason gain skills in managing his own project and coordinating with other trade professionals.