
OTTO KLIPPENSTEIN, EI



Title: Mechanical Designer

Education: Bachelor of Science (Expected Graduation 2026) ➤ Mechanical Engineering ➤ University of Nevada, Reno.

Experience & Qualifications: Otto has experience in AutoCAD and Revit modeling, along with HVAC and Plumbing design and building load calculations.

At Ainsworth Associates Mechanical Engineers Otto performs design tasks such as drafting and modeling in both AutoCAD and Revit. His experience also includes duct and pipe sizing and routing and performing building load calculations using the Hourly Analysis Program (HAP) for the sizing of mechanical equipment, both for new construction and replacements of existing equipment.

Otto's education includes courses in fluid dynamics, mechanical design, heat transfer, thermodynamics, and computer-aided design. He is certified in SolidWorks and continues his education in MEP design software like AutoCAD, Revit, and Bluebeam Revu.

**OTTO HAS
EXPERIENCE IN
HVAC AND
PLUMBING DESIGN
AND LOAD
CALCULATIONS.**

PROJECTS:

LANDER COUNTY FIRE STATION

Otto was one of the designers assisting with the design of the Lander County Fire Station. Otto aided in the sizing and layout of the ductwork and piping for the building. The new fire station building included living quarters, a kitchen and dining area, and a large garage for emergency vehicles.

AUSTIN COMMUNITY CENTER

Otto was part of the team that designed the plumbing and HVAC systems for the Austin Community Center. Otto helped the team design and size HVAC and plumbing systems. This building included medical spaces designed up to FGI standards as a clinic was included. It also featured a large community gathering space.

6512 SOUTH MCCARRAN URGENT CARE

Otto assisted in the HVAC and plumbing design of this Renown Urgent Care. This included duct and pipe routing and sizing along with a building load analysis. These spaces were all designed to FGI standards and included an X-Ray room that required humidification.