

Title: Mechanical Designer

Education: Bachelor of Science ➤ Mechanical Engineering ➤ University of Nevada, Reno.

Licenses: State of Nevada, Engineer Intern (EI)

MORGAN HAS OVER 10 YEARS OF EXPERIENCE IN HVAC AND BUILDING AUTOMATION CONTROLS

Experience & Qualifications: Mr. Goff has over 10 years of experience in HVAC and building automation controls. Mr. Goff started work at Ainsworth Associates Mechanical Engineers in September 2017.

Mr. Goff has performed thorough energy analyses on buildings of various sizes using energy analysis software including Carrier HAP & Energy Plus.

Mr. Goff emphasizes building and leveraging industry relationships within design and construction to strengthen and broaden knowledge base.

The focus of Mr. Goff's education has been in Heating Ventilation Air Conditioning and Refrigeration.

Mr. Goff is responsible for HVAC and plumbing system design and oversight, building energy modeling, report writing, and construction administration.

PROJECTS:

RENOWN LAB UPGRADE PROJECTS

Morgan is the lead designer on a set of projects which intend to update and improve workflow and replace aging lab analyzers for Renown's network of lab spaces. Priority on eliminating downtime due to construction was demanded by the client. Consequently, a phased construction project and solutions were devised to make accommodations for operational uptime while new equipment is phased into operation. To satisfy new equipment heat loads and code required air balance levels, mechanical changes were devised to correct.

RENOWN PHARMACY REMODEL PROJECTS

Morgan is the lead designer on a set of pharmacy remodel projects which intend to streamline and bring into compliance with United States Pharmacopeia (USP). These projects span both Renown's main hospital campuses. These particular pharmacies are critical in nature and are used by hospitals to compound many forms of low shelf-life drugs: non-sterile, non-hazardous, and hazardous. The environmental requirements for pharmacy spaces, as laid out by USP, are very restrictive. Tight temperature, space pressure relationships, air filtration, and humidity levels demand a robust and thorough HVAC design.

RENO TAHOE AIRPORT BUILDING CONTROLS UPGRADES

Morgan is the lead designer on a series of phased projects at Reno Tahoe International Airport. The intent of the project is to bring new building automation to their mechanical equipment and update any existing outdated building automation systems. This project is broad and will eventually encompass the entire facility. The end goal is to consolidate their building automation systems to one provider. Local service, a single front-end, updated and usable graphics, and a single location to view and modify all their mechanical systems.