
MORGAN GOFF, P.E.



Title: Mechanical Designer

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

Licenses: Professional Engineer, Nevada: #030454

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

Experience & Qualifications: Morgan has over 12 years of experience in HVAC and building automation controls. Morgan started work at Ainsworth Associates Mechanical Engineers in September 2017.

Morgan has performed thorough energy analyses on buildings of various sizes using energy analysis software including Carrier HAP & Energy Plus. In his project manager roll, Morgan emphasizes building strong industry relationships within both the design and construction phases to strengthen and broaden his own knowledge base.

The focus of Morgan's education has been in Heating Ventilation Air Conditioning and Refrigeration. Morgan is responsible for HVAC and plumbing system design and oversight, building energy modeling, report writing, and construction administration.

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HVAC AND
BUILDING
AUTOMATION
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PROJECTS:

RTAA AIRPORT CONTROLS
UPGRADES, PHASES 1-7

Morgan is the lead designer on a set of projects which updated and improved the building's HVAC controls systems. Priority was focused on giving the airport staff better control and monitoring of their HVAC systems. This was accomplished by replacing pneumatically controlled equipment while also consolidating multiple building automation control systems equipment to a single provider. This process eliminates multiple "front-ends" to manage and maintain.

RENOWN PHARMACY REMODEL
PROJECTS

Morgan was the lead designer on a set of pharmacy remodel projects which streamlined the pharmacy procedures while also bringing the spaces into compliance with new requirements of the United States Pharmacopeia (USP). These projects span both Renown's main hospital campuses. The pharmacies are critical in nature and are used by hospital staff to compound many forms of low shelf-life drugs, hazardous and non-hazardous alike. The environmental requirements for pharmacy spaces are very restrictive and much consideration was given to tight temperature ranges, space pressure relationships, air filtration, and space humidity levels.

NDOT CARSON YARD BOILER
UPGRADES AND LAB MAKEUP
AIR UNIT REVISIONS

Morgan was the lead designer on a project which replaced aging boilers, hydronic piping, and unit heaters in two buildings at NDOT's Carson Yard facility. Because this project is mechanical in nature, AAME took the prime consultant role meaning Morgan was the lead contact point for the project between the design consultants and NDOT's project manager. In this prime roll, Morgan also distributed and recorded project documentation such as contractor submittals, requests for information (RFIs), and construction progress meeting minutes.