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# BRUCE NIPP, M.E.

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BRUCE HAS OVER  
35 YEARS' DESIGN  
EXPERIENCE,  
PRIMARILY IN THE  
AREAS OF  
COMMERCIAL,  
EDUCATIONAL, AND  
CORRECTIONS  
FACILITY DESIGN.

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**Title:** Senior Mechanical Engineer, LEED Accredited Professional

**Education:** Bachelor of Science ➤ Mechanical Engineering ➤ Concentration in HVACR ➤ California Polytechnic State University, San Luis Obispo.

**Licenses:** Mechanical Engineer, Nevada: #M-6785, California: #M-23119

**Professional Affiliations:** United States Green Building Council (USGBC), American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE)

**Experience & Qualifications:** Bruce has more than 35 years of mechanical engineering experience, primarily in the areas of commercial facilities, educational facilities, and correctional facilities, including design and evaluation of large central heating and cooling plants.

Bruce was employed at the Nevada State Public Works Division for over 30 years where he was responsible for oversight of mechanical systems design for a significant variety of projects including projects for commercial, military, educational, and correctional facilities. Mr. Nipp managed a staff of mechanical, electrical, structural, and civil engineers with oversight of project scope development, project cost estimating, project design review, and construction administration efforts.

Mr. Nipp is responsible for office mentorship and project quality assessment & quality control on various projects for Ainsworth Associates Mechanical Engineers. Bruce is also responsible for maintaining and evolving the company's standard specifications and details libraries.

## PROJECTS:

ELY STATE PRISON  
ELY, NEVADA  
Performed at Previous Employer

HIGHWAY PATROL  
HEADQUARTERS BLDG.  
RENO, NEVADA  
Performed at Previous Employer

DEPARTMENT OF MOTOR  
VEHICLES  
HENDERSON, NEVADA  
Performed at Previous Employer

Bruce provided the original mechanical and plumbing design for all of the Phase I buildings across the prison campus, including the central plant which includes a high temperature hot water (HTHW) system. Buildings on the campus include the gatehouse, administration buildings, prison industries building, culinary and laundry buildings with associated steam systems, housing units, storage, and maintenance buildings. The HTHW system utilizes shell & tube heat exchangers at each building to generate low temp heating and domestic hot water.

Bruce provided HVAC and plumbing design for the Nevada Highway Patrol Headquarters & Vehicle Maintenance Facility on Kietzke Lane in Reno. This design consisted of a hydronic central plant consisting of hydronic boilers and a water-cooled chiller system serving hydronic fan coil units throughout both buildings. The equipment is tied to a building management system for remote monitoring and adjustment.

Bruce provided HVAC and plumbing design & construction administration services for the Department of Motor Vehicles Facility in Henderson, Nevada. Mechanical systems design included the main building serving the public and the vehicle maintenance and emissions building. The building included high efficiency condensing boiler system and a VAV distribution system. The custom air handlers included on board packaged dx cooling.