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# DYLAN HUSTED, EIT

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**Title:** Mechanical Designer

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

**Experience & Qualifications:** Dylan has experience in HVAC & Plumbing design, building load calculations, and AutoCAD and Revit modeling.

As a mechanical designer, Dylan performs the calculations and various tasks necessary to design new or replacement heating, cooling, and refrigeration systems. He is also responsible for plumbing design, performing and analyzing load calculations based on building parameters, duct and pipe sizing/routing, specification writing, and Building Information Modeling (BIM).

Mr. Husted's education includes energy-balance and thermal sciences coursework consisting of Heat Transfer, Fluid Mechanics, and Thermodynamics. Dylan's curriculum has also included courses in mechanical design and the computer-aided design process. Dylan is also certified in SolidWorks and his education continues with MEP design software including AutoCAD, Revit, HAP, and Bluebeam Revu.

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## PROJECTS:

RENOWN REGIONAL MEDICAL  
CENTER - CATH LAB 3

NV ARMY NATIONAL GUARD  
WASHOE COUNTY TRAINING  
CENTER

WASHOE COUNTY SCHOOL  
DISTRICT - VAUGHN MIDDLE  
SCHOOL

Dylan performed design tasks for a renovation project at the Regional Hospital. The project included a renovation of the existing Cath Lab operating room as well as new staff support spaces. The project included new plumbing and ductwork layouts to meet the needs of the remodel and accommodate the location of a new and improved staff locker room. The Cath Lab design meets the strict requirements of FGI's Guidelines for Healthcare Design and was especially challenging to design in a functioning hospital.

Dylan had the opportunity of being one of the primary designers assisting on the new Washoe County Training Center for the Nevada Army National Guard in Stead, NV. Administered by the Nevada State Public Works Division, the project is located adjacent to the existing readiness center, a prior design completed by our office. The project is pursuing aggressive energy savings by utilizing a geo-exchange bore field system which will exchange energy between the building and the ground.

Dylan is part of the design team that worked on the new Vaughn Middle School in Reno, NV. Loosely modeled off the O'Brien Middle School project, the new Vaughn Middle School will replace the existing Vaughn Middle School on the same site to minimize the impact on the surrounding community. Dylan's primary responsibilities on the project included the routing of domestic water lines as well as vent and waste piping. The project was fully designed and coordinated in Autodesk's Revit software using the collaborative process of BIM.