

# MARTIN T. CARRILLO P.E.

PRINCIPAL MECHANICAL ENGINEER



## PERSONAL PROFILE

Mr. Carrillo is a Mechanical Engineer accomplished in commercial building design, research laboratory, higher education, district energy, manufacturing facilities, and other energy efficient HVAC systems.

His experience in design of Scientific research facilities, K-12 & higher education buildings, commercial projects, and utility infrastructure in and out of Cache Valley bring a varied & thorough background to any team.

Mr. Carrillo's approach focuses on communication throughout the process to ensure the mechanical infrastructure is not only efficient, but also economical. His history of retrofit/remodel experience on complex systems help mitigate problems in bringing buildings up to current standards and performance expectations.

With his in-house project designer/manager at Utah State University, Mr. Carrillo knows well the design requirements, systems, and most importantly key personnel to approach or include at each stage of planning, design, and construction phases on USU projects.

## EDUCATION

**Utah State University, Logan, UT.**

*Bachelor of Science, Civil Engineering, ABET  
Accredited Program. May 2016*



## AT A GLANCE

- Project Engineer & Designer for numerous USU construction & design Projects.
- 15+ years Mechanical/Plumbing USU Specific experience in Capital Development, Capital Improvement, and in-house construction estimating/administration projects.

## PROFESSIONAL ORGANIZATIONS

- ASHRAE American Society of Heating, Refrigerating, and Air-Conditioning Engineers.
- DOPL Mechanical Advisory Committee Chair.

## PROFESSIONAL REGISTRATION

Idaho #323733-2202

Utah #323733-2202



## SELECTED EXPERIENCE

### **USU BNR Phase 3 (2023-2025)**

#### **Responsibility: Project Engineer/ Prime Designer**

Project Engineer for Mechanical Systems & Lab upgrades to USU Biology & Natural Resources South Wing Level-3. Design includes selection, coordination of replacement AHU, Lab exhaust systems, and construction administration within occupied building environment.

### **USU Smash-Lab Addition (2023-2025)**

#### **Responsibility: Project Mechanical Engineer**

Project Mechanical Engineer for Smash-lab addition at existing building. Design includes selection, coordination of new equipment, and construction administration for added building services.

### **USU University Inn Mechanical Improvements (2023)**

#### **Responsibility: Project Engineer/ Prime Designer**

Project Engineer for replacement of Qty. 104 Fan coil units at existing building. Design includes selection, coordination of replacement units, and construction administration within occupied building environment.

### **USU Military Science Renovation (2022)**

#### **Responsibility: Project Engineer/ Prime Designer**

Project Design team Lead/Prime for renovation of 1920's era 27,000 Sq. Ft. Military Science building. Design includes new Steam to Hydronic Hot Water system, New Chiller & associated infrastructure, VAV reheat AHU's and duct distribution in addition to coordination of structural, architectural and Electrical design for full mechanical retrofit of building infrastructure.

### **USU Eastern Chiller Plant Renovation (2021)**

#### **Responsibility: Project Engineer/ Prime Designer**

Project Design team Lead/Prime for replacement of Utah State University - Eastern Campus in Price Utah Chiller Plant renovation. Design change-out of existing 180-Ton chillers and system pumps for full campus service required.

### **USU Facilities Purchasing AHU replacement (2021)**

#### **Responsibility: Project Engineer/ Prime Designer**

Project Design team Lead/Prime for upgrades and replacement of existing building mechanical systems. Design includes new Hydronic heating and cooling Water extensions, VAV reheat AHU and duct distribution and construction administration within occupied building environment.

### **Other Applicable Engineering Experience**

(Project Mechanical Engineer, employee of VBFA consulting engineers)

USU Life Sciences (2017)

USU BNR Phase 1 (2018)

USU Canyon Crest Suites 2019)