



**Chris Merritt**

Senior Designer

**Education**

BS, Environmental Design,  
University at Buffalo, 2003

**Year Joined AMPHION**

2012

**Years of Experience**

Since 2001

**Professional Registrations**

NDT Level II:

Digital Ultrasonic Thickness

Magnetic Particle

Liquid Penetrant

Mr. Chris Merritt has been a Senior Designer with Amphion Analytical Engineering, P.A. since 2012. He has experience in façade repair, new and existing building construction, and nondestructive testing since 2001.

Mr. Merritt is experienced in exterior and interior up-fits and base building projects, including shop drawing review, code summary review, project meetings, engineering coordination, and site inspections during construction. Through the years, he has been involved in numerous projects and provided assistance across an array of different industries, such as residential, health care facilities, banking, retail, and commercial.

Mr. Merritt is certified as an ASNT Level II Technician in magnetic particle testing, liquid penetrant testing, and ultrasonic testing methods.

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**Mechanical Integrity**

Pressure Vessels, Storage Tanks, Process Vessels, and Piping

Performed mechanical integrity inspections on storage tanks, process vessels, pressure vessels, and piping at numerous facilities covering a wide range of industries. This included performing the inspections themselves and project management over a team of inspectors. The industries covered include, but are not limited to, the tire and rubber industry, various chemical production industries, the paper industry, and soy bean processing industry. These inspections utilized various nondestructive testing (NDT) methods and failure analysis.

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**Façades**

Prepared construction documents over 20 façade and window replacement projects for a variety of hospitality clients. Designs included exterior sheathing replacement, window replacement, improved flashing design, and tie-ins to existing conditions. Worked with both clients and contractors to address and resolve construction issues in the field and performed inspections throughout construction.

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## **New Building Construction and Renovations**

### Military – (Department of Defense)

Project designer for design build project involving the interior renovation of an existing 28,500-square foot fitness center and gymnasium into a new school for Aircraft Metals Technology. The new training mission serves as a school for students to learn welding and metal fabrication techniques. The renovated facility contains administrative areas, classrooms, metal shops, labs and associated support areas. This project was awarded with a very short design schedule that was compressed even further throughout the design process. The scheduling challenges were met by adding an integrated team with experienced staff from four separate offices. The overall design is Leadership in Energy and Environmental Design (LEED) Silver certifiable under LEED New Construction.

Project designer for design development and construction documents for an adaptive re-use, 54,000 square foot existing building. This 1936 building had several design challenges including asbestos abatement, a failing structure and total replacement of all mechanical, electrical and plumbing systems. Verification of existing conditions throughout the structure occurred prior to starting the design. The main entrance to the facility was relocated to the back side of the structure making it the new focal point of the campus and to correct ADA access. The new entry court included five monumental structural elements to support 20 feet high banners. The entire drawing package and verification of existing conditions used for design/build was completed in less than 4 months.

Firm provided design and construction phase engineering services for a facility and Afghanistan. The project included architectural, structural, and mechanical/electrical/plumbing design for new enlisted barracks, senior NCO barracks, visitor's quarters, DFAC, vehicle maintenance building, security building, warehouse, and guard posts at this military base. The design passed Title II review by the Afghan Construction and Logistics Unit.

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## **Commercial**

Architectural designer and client contact for new 3,000-square foot custom build branch bank. Completed construction document package as well as construction administration tasks during construction and submittal approval. Worked closely with the client, engineers, and general contractor to complete the project on time and within budget. Regulatory agencies as well as city design committees were involved.

Architectural designer and client contact for base building and interior up-fit packages for a 120,000-square foot addition to a distribution utility center. Handled construction administrative tasks on the project, including, fielding questions during construction, submittal approval, and site inspections during construction. Worked closely with the client and contractor to see that the project was completed on time and under budget. Regulatory agencies were involved.

Base building and interior up-fit packages for full interior renovation of a 250,000-square foot facility. Handled construction administrative tasks on the project, including, fielding questions during construction, submittal approval, and site inspections during construction. Worked closely with the client and contractor to see that the project was completed on time and under budget.

Architectural designer for two 200,000-square foot base building call centers. Completed construction administrative tasks and submittal approvals.

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### **Restaurant/Retail**

Prepared construction documents, performed code research and provided compliance information, verified existing conditions, and addressed contractor questions and performed scheduled site inspections throughout the construction process. Stores are 4,500 to 6,000 square feet and include new freestanding locations as well as adaptive re-use of existing buildings.

Completed construction document package for a 35,000-square foot addition and renovation to an automobile dealership.

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### **Healthcare**

Base building and interior up-fit packages to provide new medical office addition onto the existing hospital structure.

Interior 14,000-square foot renovation of existing hospital into new gastrointestinal lab.

Base building and interior up-fit packages for full interior renovation of a 65,000-square foot medical office facility.