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Header @ 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

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Vendor ID: 000000182590

Legal Name: MEAD & HUNT INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 03/17/2026

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Responded By User ID: 125111116

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Solicitation Description: Fire Department Facility Design- Camp Dawson Training Center

Total of Header Attachments: 1

Total of All Attachments: 1

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Fire Department Facility Design-Camp Dawson Training Center				

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments: Our qualifications-based proposal is attached.

Extended Description:

Provide professional architectural and engineering design services per the attached documentation.



**Mead
& Hunt**

State of West Virginia

Camp Dawson Fire Department Facility Design

March 17, 2026

March 17, 2026



Subject: Expression of Interest – West Virginia Army National Guard Fire Department Facility Design Camp Dawson Training Center

Dear Selection Committee:

On behalf of Mead & Hunt, I am excited to submit the attached qualifications to design the new Fire Department Facility for the West Virginia Army National Guard at Camp Dawson.

Mead & Hunt is a full-service planning, design, and construction management firm, with professional staff specializing in all aspects of military facility design and over 75 years of serving the National Guard. For your project, we are proud to present a team deeply experienced in designing National Guard facilities. More than that, we represent a profound commitment to partnering with you from initial conception through the ribbon cutting. With Mead & Hunt you get:

- **An Integrated Team:** Your project will be led by Tom Marti. An Army veteran with nearly 30 years of Army and Army National Guard project experience, Tom will be your single point of contact, ensuring that all submittals are fully coordinated. Mead & Hunt's design team includes several veterans and is the only one to include a former Army National Guard CFMO and garrison training site commander. The fire department is essential to the safety of all training units and tenant elements on Camp Dawson. As such its success is critical to us.
- **Nationally Recognized National Guard Experts:** In 2025, Mead & Hunt was ranked the #82 Design Firm in the nation by Engineering News Record. We have held nationwide National Guard Bureau IDIQ contracts continuously since 2010. Combined with our vast knowledge of Army Regulations, UFC, and Army National Guard criteria, our processes have resulted in a 100 percent first-time approval rate in MILCON design submittals at Army National Guard G9. You don't have to teach us to "speak Guard." We're already fluent.
- **Local Response, National Reach:** In gaining our national expertise, you also gain local attention. Our hand-picked partner for civil and geotechnical engineering and land survey is Triad Engineering in Morgantown. In addition, to ensure your project receives the attention it deserves, our Principal-in-Charge is Jamie Bumgardner, one of our Group Leaders reporting directly to the President of the company. Jamie is minutes away from the JFHQ in our Charleston office. Jamie has the authority to ensure your projects are prioritized and any necessary resources are made available.

We are proud to offer you our unmatched team of National Guard design professionals for your fire station. Having recently completed the update to the Camp Dawson master plan, it would be an honor to see its projects through to fruition.

We greatly appreciate your consideration of our team and look forward to continuing to serve you.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Burt".

Rick Burt, Colonel (USA- Ret)
Army National Guard Program Manager

Firm Background



Mead & Hunt is a mid-sized, multi-discipline architectural, engineering, environmental, and planning firm. Continually ranked in Engineering News Record's annual Top Design Firm list, our company has successfully

completed projects for a wide range of clients, including federal, state, municipal, and commercial. Our firm's commitment to thorough planning and quality design results in projects that are functional, economical, and easy to maintain and operate.

For more than 20 years, Mead & Hunt has held Army National Guard (ARNG), Army, Air Force (AF), and Air National Guard (ANG) A-E IDIQs across the country, delivering professional services to our clients, from conceptual design through construction, for more than \$750M in MILCON and SRM projects. These projects range from chiller replacements and readiness center renovations to new squadron operations facilities, from runway, taxiway and apron replacements to complete master plans, giving our team a thorough understanding of how to scale projects to meet budgets and schedules.



Mead & Hunt has been in business since 1900.



Aiken Cost Consultants is a team of 12 estimating professionals located in Greenville, SC. This firm was originally established in 1986

to assist A/E firms in estimating federal government projects. Through the years, their practice has logically progressed to serving on state, local, institutional, and commercial assignments. ACC has prepared cost estimates for over 5,000 projects, including airports, passenger and cargo terminals, air traffic control towers, administrative offices, aircraft hangars, runways/taxiways, and various other aviation projects. ACC has worked on over 100 Federal and State aviation projects.

ACC, a Small Business Enterprise, has all disciplines available in-house so that their estimating team matches up with the design team. This precipitates maximum efficiency and understanding of the project. It also helps the estimators to project likely scenarios and potential alternates without requiring fully detailed drawings. ACC's senior estimator, Billy Evett, is an AACE Certified Estimating Professional with over 25 years of experience. He is supported by a staff of estimators who average over 25 years of experience in architectural, structural, civil, mechanical, plumbing, fire protection, and electrical work.

For all projects, ACC develops current local pricing for the most unique or significant cost items, researches current local bidding conditions, and reviews other local market factors for maximum accuracy.



Triad Engineering, Inc. is a multi-disciplinary, employee-owned firm of engineers, surveyors, and scientists who provide geotechnical and civil engineering, environmental services, drilling, surveying, and construction testing and inspection services. Since 1975, Triad has grown from a small office in West Virginia to ten offices across five states in the Mid-Atlantic Region.

Staff Qualifications



Rick Burt, Colonel (USA- Ret) Quality Assurance Manager

With his unparalleled ARNG expertise, Rick will be your quality assurance manager. He will review the team’s work product at each stage of design, confirming NGB authorizations are met, providing internal guidance on Guard policy and regulation interpretations, and helping ensure the design makes the most operational sense for the end users.

Education

- MBA, Strategic Planning, Pennsylvania State University
- B.AE, Architectural Engineering, Pennsylvania State University

Registrations/Licenses/Certifications

- National Charrette Institute Charrette Facilitation

Relevant Projects

- Camp Dawson Master Plan – WVARNG, Camp Dawson, WV
- Vehicle Maintenance Shop – FL ARNG, Palm Coast, FL
- Vehicle Maintenance Shop – NM ARNG, Rio Rancho, NM
- Field Maintenance Shop – CO ARNG, Watkins, CO
- Armory – CA ARNG, National City, CA
- Joint Force Headquarters – KS ARNG, Forbes Field, Topeka, KS



Tom Marti, CDT, LEED AP BD+C Project Manager

Tom has overall responsibility for quality and technical management of the contract documents as a Project Manager at Mead & Hunt. With more than 28 years of experience he is well versed in quality control procedures and project delivery as an architect and project manager. Thomas’ focus on a collaborative approach has provided successful delivery of integrated professional services for a broad range of clients.

Education

- BT, Architecture, Washington University at St. Louis
- Architectural Studies, Southern Illinois University

Registrations/Licenses/Certifications

- Construction Specifications Institute Construction Documents Technologist (CDT)
- Leed Accredited Professional (LEED AP BD+C)

Relevant Projects

- Army Aviation Support Facility and Access Control Point – MS ARNG, Hattiesburg, MS
- Combined Support Maintenance Shop – OH ARNG, Columbus, OH*
- Aviation Classification and Repair Depot –MO ARNG, Jefferson City, MO*
- Aviation Classification and Repair Depot –CA ARNG, Fresno, CA*
- Armed Forces Reserve Center – IN ARNG, South Bend, IN*
- Readiness Center – MN ARNG, Arden Hills, MN*

*Project was completed while Tom was employed with another firm.



Pat Casey, RA, NCARB, GPCP

Architect

Pat is a registered architect with more than 20 years of experience and a passion for the built environment. He applies creative and critical thinking in his design approach. He has been entrusted with a wide range of responsibilities involving every aspect of the architectural profession. Leading diverse architectural and interior teams, he focuses on working with clients and contractors to design a facility that reflects the owner's brand and caters to their employees and customers.

Education

- MA, Architecture, University of Wisconsin – Milwaukee
- BA, Urban and Regional Studies, University of Wisconsin – Green Bay

Registrations/Licenses/Certifications

- Registered Architect – WI, MI, OH, WV (pending)
- National Council of Architectural Registration Boards (NCARB)
- Guiding Principles Compliance Professional (GPCP)

Relevant Projects

- F-35 Maintenance Hangar B406 – Truax Field ANGB, Madison, WI
- Fire Crash Rescue Station Building 50 – Tucson ANGB, Tucson, AZ
- Fire Suppression H109, H133, and H204 – Cannon AFB, NM
- Fireman Training Facility B840/844 – Alpena CRTC, Alpena, MI
- Fire Crash Rescue Station B621 – Gen. Mitchell ANGB, Milwaukee, WI
- Consolidated Maintenance & Security Forces Facility – Ellington Field ANGB, Houston, TX
- Fire Station Foundation B859 – Selfridge ANGB, Harrison Township, MI



Gena Mollica, NCIDQ, ASID, RID

Interior Designer

Gena is an interior designer with experience providing oversight of all phases of diverse construction and design projects. She provides requirements analysis, resource planning and allocation, materials management, scope development, scheduling, budgeting, and milestone management. With expertise in design concepts, including space planning, floor layouts and architectural/hand drafting, Gena's strengths include building and leading diverse project teams towards project completion within schedule, budgetary and scope expectations.

Education

- BS, Interior Design, Art Institute of Pittsburgh
- AA, Residential Planner, Art Institute of Pittsburgh
- BS, Marketing and Finance, University of Northern Colorado

Registrations/Licenses/Certifications

- National Council for Interior Design Qualification (NCIDQ)

Relevant Projects

- Vehicle Maintenance Shop – NM ARNG, Rio Rancho, NM
- Tactical Vehicle Lab – USACE LRL, Detroit, MI
- Bomber Agile Common Hangar – Tinker AFB, Oklahoma City, OK
- Consolidated Maintenance & Security Forces Facility – Ellington Field ANGB, Houston, TX



Aaron Koch, PE, CEM, LEED AP

Mechanical/Plumbing Engineer

Aaron Koch has been a mechanical engineer for nearly 30 years. His experience includes 18 years as a consulting mechanical engineer and 5 as a project manager in public works for local government. Aaron has led the mechanical design of many higher education and government projects, including aircraft hangars, airport terminals, academic buildings, performance spaces, laboratories, museums, classroom buildings, residence halls, office buildings, and data centers.

Education

- BS, Architectural Engineering, University of Wyoming

Registrations/Licenses/Certifications

- Licensed Professional Engineer – AL, AZ, CA, CO, CT, GA, KS, KY, MA, MD, MN, MS, MT, NV, NJ, NC, ND, OR, SD, VA, WA, DC, WV, WY
- Certified Energy Manager (CEM)
- LEED Accredited Professional (LEED AP)

Relevant Projects

- Fireman Training Facility B840/844 – Alpena CRTC, Alpena, MI
- Vehicle Maintenance Shop – NM ARNG, Rio Rancho, NM
- F-35 Maintenance Hangar B406 – Truax Field ANGB, Madison, WI
- Fire Station – Buckley SFB, Aurora, CO
- Armory – CA ARNG, National City, CA
- Vehicle Maintenance Facility – Moffett AFB, Santa Clara County, CA
- Aviation Community & Administration Facility – Centennial Airport, Englewood, CO



Zach Dawiec, PE

Electrical Engineer

Zach has more than 10 years of electrical engineering design experience. His designs include power, lighting, and fire alarm layout following national, state, and local codes while meeting client needs. Zach uses Autodesk products, BIM360, Visual 3D, AGI32 and other design software to bring projects to completion.

Education

- BS (Dual), Architectural Engineering (Electrical Specialty) and Construction Management, Milwaukee School of Engineering

Registrations/Licenses/Certifications

- Licensed Professional Engineer – WI, LA, ME, NC, SC, WV (pending)

Relevant Projects

- Fire Station Foundation B859 – Selfridge ANGB, Harrison Township, MI
- Aircraft Shelter B325 – Kingsley Field ANGB, Kingsley Field, OR
- Snow Removal Equipment – Southwest Wyoming Regional Airport, Rock Springs, WY
- Snow Removal Equipment – Casper-Natrona County International Airport, Casper, WY
- Recreation Complex – UW Stout, Menomonie, WI
- Law Enforcement Center – Portage County, Ravenna, OH



Tom Barnum, PE

Fire Protection Engineer

Tom is a licensed fire protection engineer with 24 years of experience. Tom's main areas of expertise are fire alarm design, fire sprinkler design, smoke control testing, and egress analysis. He has worked on a variety of projects including healthcare, military, aviation, higher education, K-12, and commercial facilities. Tom is skilled in AutoCAD, AutoSprink, CONTAM, HASS, Revit, and EVACNET4 use. He is well versed in IBC, IFC, NFPA codes and FM standards. Tom uses a systematic and analytical approach to problem solving and recognizes the value of communication with the design team and clients.

Education

- BS, Electrical Engineering, University of Las Vegas

Registrations/Licenses/Certifications

- Licensed Professional Engineer – AL, AZ, CA, CO, FL, GA, ID, IL, KS, KY, LA, MO, MT, NC, ND, NM, NV, OR, SC, TX, UT, WA, WV (pending)

Relevant Projects

- Fire Station – Buckley SFB, Aurora, CO
- Lighting Protection & Fire Suppression B333-400 – Kingsley Field ANGB, Kingsley Field, OR
- Fire Station B510 – Volk Field CRTC, Juneau County, WI
- Consolidated Maintenance & Security Forces Facility – Ellington Field ANGB, Houston, TX
- Aircraft Shelter B325 – Kingsley Field ANGB, Kingsley Field, OR



Jacob Wieland, PE

Civil Engineer

Jacob has over 15 years of experience in civil and geotechnical engineering. His civil work includes stormwater management and erosion and sediment control design, along with preparation of construction drawings and permit applications. In geotechnical engineering, he has field, laboratory, and design experience involving pavement design, slope stabilization, shallow and deep foundations, and retaining walls. He has also completed hydrologic and hydraulic analyses for stream relocations, streambank stabilization, acid mine drainage treatment systems, and utility infrastructure projects.

Education

- MA, Engineering, Water Resource Management, University of North Dakota
- BS, Civil Engineering, University of North Dakota

Registrations/Licenses/Certifications

- Licensed Professional Engineer – WV, PA, ND

Relevant Projects

- Church and Parsonage, South Strabane Township – Greek Orthodox Metropolis of Pittsburgh, Washington County, PA
- U.S. Steel Facility – Civil & Environmental, Borough of Braddock, PA
- Foxfield Knoll Development – DeCesare Homes, Unity Township, PA
- Eat 'N Park, Hampton Township, PA
- Kelly Elementary School – DLA+ Architects, Wilkinsburg, PA
- Affordable Housing Redevelopment, Phase 1 – Hawkins Village – Penrose Development, Borough of Rankin, PA
- West End Trolley Trail – City of Pittsburgh, Pittsburgh, PA



Donny Matthews, PE, SE

Structural Engineer

With 22 years in the industry, Donny has extensive DoD experience in structural design of both vertical and horizontal structures and project management. Types of structures include military facilities, residential, medical, and commercial office buildings, and aviation. His building experience has encompassed several types of masonry, timber, concrete, steel, and light-gage vertical structures.

Education

- BS, Civil Engineering, University of South Carolina
- AS, Architectural Engineering Technology, Midlands Technical College

Registrations/Licenses/Certifications

- Licensed Professional Engineer – AL, AZ, CO, FL, GA, IL, IN, KY, MI, MN, MS, MT, NJ, NM, NY, NC, OH, PA, SC, SD, TN, TX, WV, WY, Commonwealth of Northern Mariana Islands
- Safety Assessment Program Evaluator (SE)

Relevant Projects

- Fire Suppression B1905 – Savannah CRTC, Savannah, GA
- Fire Station B621 – Gen. Mitchell ANGB, Milwaukee, WI
- Fireman Training Facility B840/844 – Alpena CRTC, Alpena, MI
- C-17 Hangar B51 – Charlotte ANGB, Charlotte, NC
- Joint Force Headquarters – KS ARNG, Forbes Field, Topeka, KS
- Maintenance Hangar & Shops B4 – Selfridge ANGB, Harrison Township, MI
- Army Aviation Support Facility and Access Control – MS ARNG, Hattiesburg, MS



Jason McCann, RCDD, PSP

Technology/Cyber Specialist

Jason has been working in the technology industry for more than 20 years, using continuing education, field experience, and a strong support staff of manufacturers to lead clients through the constant changes to industry standards. His primary goal has always been to keep his client's telecommunication infrastructure ahead of the curve. Jason's design experiences include many aspects of the technology space, with a focus on cabling infrastructure and pathways.

Education

- AS, Cybersecurity, Horry-Georgetown Technical College

Registrations/Licenses/Certifications

- Bicsi Registered Communications Distribution Designer (RCDD)
- Physical Security Professional (PSP)

Relevant Projects

- Aircraft Rescue and Firefighting – Chippewa Valley Regional Airport, Eau Claire, WI
- F-35 Maintenance Hangar B406 – Truax Field ANGB, Madison, WI
- Aircraft Shelter B325 – Kingsley Field ANGB, Kingsley Field, OR
- C-17 Hangar B51 – Charlotte ANGB, Charlotte, NC
- Joint Force Headquarters – KS ARNG, Forbes Field, Topeka, KS
- Aviation Community & Administration Facility – Centennial Airport, Englewood, CO



Mike Amstadt, PMP, BCxP, LEED AP BD+C, QCxP

Commissioning Provider

Mike has more than 25 years of experience leading commissioning and validation projects. He is successful at building strong professional relationships and managing large and complex projects while maintaining high team morale and energy. Mike is helping to write the national standard for the commissioning process, and he leverages his deep understanding of the process, along with his commitment to solving problems, to deliver successful projects.

Education

- Masters Certificate, Applied Project Management, Villanova University
- BS, Engineering Management, Grantham University
- AS, Nuclear Technology, Excelsior College

Registrations/Licenses/Certifications

- Project Management Professional (PMP)
- Building Commissioning Professional (BCxP)
- Leadership in Energy and Environmental Design, Accredited Professional, Building Design and Construction (LEED AP BD+C)
- Qualified Commissioning Process Provider (QCxP)

Relevant Projects

- F-35 Maintenance Hangar B406 – Truax Field ANGB, Madison, WI
- Maintenance Hangar & Shops B4 – Selfridge ANGB, Harrison Township, MI
- Armed Forces Reserve Center – GA ARNG, Fort Gordon, GA
- Air Force Material Command Headquarters – USACE LRL, Dayton, OH
- Army Aviation Support Facility – TN ARNG, Smyrna, TN



**Fire Station
Fresno ANGB**



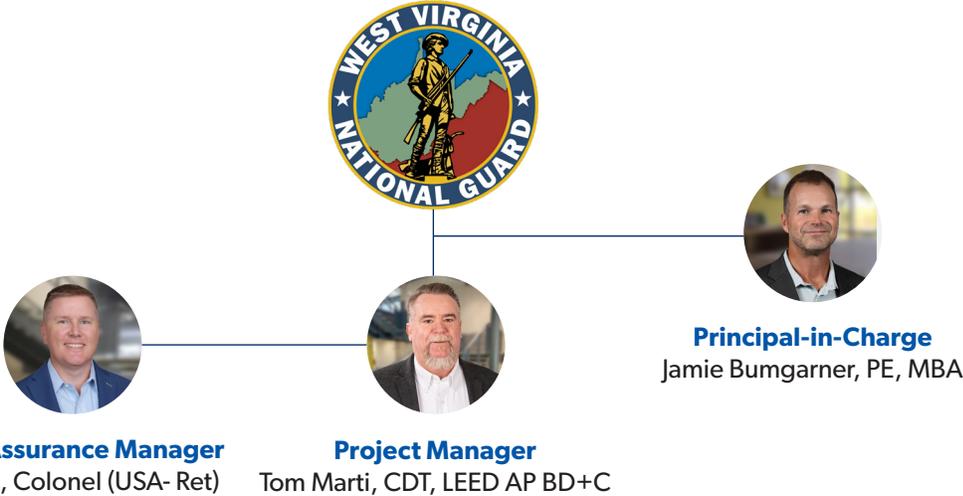
**Fire Crash/Rescue Station B50
Tucson ANGB**

Proposed Staffing Plan

We have assembled a unified project team focused on the project’s mission to design and construct a fire station facility capable of supporting Camp Dawson’s education and training missions on time, within budget, and meeting Army National Guard standards. Tom Marti will serve as Project Manager, your single point of responsibility providing streamlined accountability and clear communication. He will be responsible for integrating the voice of the ARNG stakeholders, design requirements from the State of West Virginia, and the required MILCON process into a successful project delivery. His understanding of Army National Guard projects combined with his passion for excellence will result in a project that exceeds expectations.

Principal-in-Charge, Jamie Bumgarner, leads one of our major Groups, is minutes away from the JFHQ, and reports directly to the President of our company. Your design will be led by Pat Casey, a retired Guardsman with a deep appreciation for Camp Dawson’s mission and the architect for the recent master plan update. Overseeing overall quality and adherence to NGB standards is Rick Burt. Rick has served as the CFMO for Colorado, commanded its training site at Fort Carson, and was the CFMO project manager for design and construction of its Regional Training Institute.

In addition to the key team members listed and assigned to this project, our team has a bench strength of more than 1,400 staff members to draw from, adding to our capacity to accomplish the work within the required constraints.



Design Team

- | | | | |
|---|--|--|--|
| Architecture
Pat Casey, AIA, NCARB, GPCP | Interior Design
Gena Mollica, NCIDQ, ASID, RID | Mechanical/Plumbing Engineering
Aaron Koch, PE, CEM, LEED AP | Electrical Engineering
Zach Dawiec, PE |
| Fire Protection Engineering
Tom Barnum, PE | Civil Engineering
Jacob Wieland, PE | Structural Engineering
Donny Matthews, PE, SE | Technology/Cyber
Jason McCann, RCDD, PSP |
| Commissioning
Mike Amstadt, PMP, BCxP, LEED AP BD+C, QCxP | Cost Estimating
Aiken Cost Consultants | Civil/Geotech/Land Survey
Triad Engineering | |

Projects



Construct Two-Company Fire Station Fort Johnson/Fort Polk, Louisiana

Objective: Construct a brand new, two-company fire station that incorporated both fire companies' requirements and expectations.

Project Description/Objective Met: Mead & Hunt was the designer-of-record under a design-build contract for this Fort Worth District fire station. Following a design charrette with users and key stakeholders, our multi-disciplinary team worked collaboratively with the fire department and public works staff to improve floor plan efficiency and maintain the project budget. Mead & Hunt responded to each company's requirements and facilitated solutions to deconflict the requirements and satisfy everyone involved. Designers used LEED rating tools to incorporate sustainable elements such as a cool roof, natural daylighting, local and recycled materials, pre-engineered walls, low-emission finishes, and low-impact site design to attain LEED Silver certification. To support faster responses in emergencies, door structures were adapted to accommodate larger, fast-acting, durable, low-maintenance bi-fold doors. Due to the location of the facility at the highly-visible crossroads inside the post main gate, carefully selected brick veneer exterior and architectural features were incorporated for visual appeal.

Contact: David Cockrum | 608-443-0580 | david.cockrum@meadhunt.com
(David was the Lead Structural Engineer on the project. The Project Manager is no longer at the firm.)



Addition/Alteration to Fire Crash/ Rescue Station B510 Volk Field CRTC, Wisconsin

Objective: The Fire Crash/Rescue Station at Volk Field, Building 510, was undersized and inadequate for the mission of the facility.

Project Description/Objective Met: This project contained two separate construction projects that were performed together. Renovation to B510 was performed under a Sustainment, Restoration, and Maintenance (SRM) construction project. Additions to B510 were performed under a Military Construction (MILCON) construction project. The administration, testing and training, living, and utility interior were demolished and reconfigured with new walls, finishes, HVAC, plumbing, wastewater, electrical, and technology. The mezzanine in the north apparatus bay was completely enclosed with gypsum board and steel stud construction. The south apparatus bay was enlarged with additions at the east and west sides of the structure for deeper apparatus bays.

Project Manager: Jeremy Bluhm | 608-443-0552 | jeremy.bluhm@meadhunt.com



Addition/Alteration to Fire Crash/Rescue B621

General Mitchell ANGB, Wisconsin

Objective: The existing fire station required a renovation and addition due to increased staffing needs, substandard conditions, and the fact that it was significantly under the required square footage authorization.

Project Description/Objective Met: The Mead & Hunt team renovated the entire 9,370-SF existing building and provided a 6,200-SF addition. Since the projects were funded by separate sources, our team completed two

separate and usable construction projects while coordinating them as a single cohesive design. The building's functions fall into three main categories: maintenance and apparatus support; administration and training; and the general residential and living areas. Use of the addition's square footage was strategic. Half of the authorized square footage was dedicated to the critical requirement of fitting modern, larger vehicles and providing for the growing storage needs for protective gear, including Self Contained Breathing Apparatus (SCBA) equipment. The next priority was to double the number of sleeping rooms to twelve for the increased staff/shift requirements while maintaining modern privacy needs. The remainder of the space was allocated to the offices, a larger training room, day room, and kitchen.

Project Manager: Jeremy Bluhm | 608-443-0552 | jeremy.bluhm@meadhunt.com



Addition/Alteration to Fire Crash/Rescue Station B50

Tucson ANGB, Arizona

Objective: The apparatus bay of this 26-year-old, two-story fire crash/rescue station was undersized and required a 4,581-SF expansion to accommodate vehicles and equipment storage.

Project Description/Objective Met: Our team provided architectural and engineering services for this renovation and addition. New crash vehicle access bays were designed with evaporative cooling, heating, and vehicle

exhaust system. The renovation also included adding fire suppression, new HVAC, standby power generator, and a new facility alerting and control system.

Bunk rooms were reconfigured and updated with individual climate control systems in each room. A properly configured and equipped bunker gear decontamination room and a fire barrier between the first and second story provide required life safety measures. New finishes were provided throughout the facility including ceilings, floors, kitchen finishes, and properly vented modern appliances. As the facility had to remain fully operational during construction, we carefully designed phasing that kept the existing Emergency Control Center fully operational and protected in place. In addition to interior renovation and additions, approximately 2,500 SY of failed PCC was replaced.

Project Manager: Geoff Mohney | 843-872-9234 | geoff.mohney@meadhunt.com



Addition/Alteration to Fire Crash/ Rescue Facility

Truax Field ANGB, Wisconsin

Objective: This fire crash/rescue station required an expansion for the 115th Fighter Wing of the Wisconsin Air National Guard.

Project Description/Objective Met: Mead & Hunt led the expansion and renovation of this fire station, designing in phases which allowed the existing fire station to remain completely operational during construction.

The project included a 16,000-SF expansion and a complete remodel of the existing 8,000-SF facility. The station provides structural response and medical first response for the Dane County Regional Airport and the vicinity around the airport. It is designed for 24-hour occupation, seven days a week, by a full-time staff of 10 firefighters.

The living quarters were designed with a focus on a residential atmosphere, complete with kitchen and dining facilities, a physical training room, lounge area, showers and lockers, and bunk rooms with individual temperature control. In addition to the fire rescue function, the facility includes a 24-hour dispatch center, an emergency response center, and training facilities. The training facilities hold up to 100 people and are used to train fire fighters, military personnel, and local responders in disaster preparedness.

Project Manager: Jeremy Bluhm | 608-443-0552 | jeremy.bluhm@meadhunt.com



Addition/Alteration to Fire Station

Fresno ANGB, California

Objective: The fire station facility was undersized for existing and projected staff and operational needs.

Project Description/Objective Met: This project consisted of the comprehensive repair and realignment of space within an existing fire station providing 24-hour crash-rescue fire protection to the 144th Fighter Wing in Fresno, California. With the client's goals in mind – to increase functionality and more effectively utilize the space available – Mead & Hunt's design

incorporated several sustainable design techniques to maximize usable space and improve the operational efficiency of the fire station. The addition expanded the fitness and training facilities to give rescue personnel the opportunity to maintain required standards. In addition, we incorporated improved housing for staff and upgraded toilet and shower facilities into the realignment of existing space within the building. To improve functionality and comfort for staff occupying the living quarters, we included expanded dining and recreational spaces in the design.

Contact: Tim Dacey | 971-717-6502 | tim.dacey@meadhunt.com

(The Project Manager is no longer at the firm. Tim Dacey oversees all projects in this region.)

References

Client/Owner Entity: Georgia Army National Guard

Project Name: Fort Gordon Readiness Center

Client Reference:

COL Perry A. Carter, USA (Ret), Director of Operations | perry.a.carter.nfg@army.mil | 770-324-6721

Client/Owner Entity: Tennessee Army National Guard

Project Name: Smyrna Army Aviation Support Facility

Client Reference:

Mr. Ron Deal, RA, Architect and Design Manager | ronald.b.deal.nfg@army.mil | 629-332-6260

Client/Owner Entity: Mississippi Army National Guard

Project Name: Hattiesburg Army Aviation Complex

Client Reference:

LTC Matt Payne, Design & Project Management Branch Chief | matthew.j.payne4.mil@army.mil | 601-313-6504

"It has been a pleasure to work with the Tetra Tech Mead & Hunt Joint Venture on this project. The level of expertise, experience and professionalism throughout the Team. This along with coordination with the CMaR Team has made this project extremely successful for the DMA. I look forward to working with them in the future."

– Excerpted from Exceptional PPQ for
FLARNG Operational Readiness Training Center

Project Approach

Goals and Approach

Mead & Hunt's approach is based on our experience working with Army National Guard clients using guidance found in NGR and NG PAM 415-5, NG PAM 415-12, and the current ARNG G9 MILCON Checklist to create well documented and executable solutions for the Army National Guard, ensuring designs are complete, useable, compliant and reflect stakeholder consensus.

Further, we have very specific and important experience working with ARNG G9 on the specific submittal requirements for MILCON projects using the checklist. We have a 100 percent approval rate on design submittals in this process and enjoy a positive relationship with the G9's outside MILCON support team.

Project Understanding

The proposed fire station facility will provide critical emergency response to all tenants and users of Camp Dawson. The project will provide a building of permanent construction consisting of climate-controlled vehicle storage, equipment storage, sleeping area, kitchen, toilets and showers, office space and administrative and general-purpose areas. All supporting electrical and mechanical systems will be provided within the design. Site improvements will consist of roads, concrete pads, concrete sidewalks and vehicle parking. Physical Security measures will be considered in accordance with UFC 04-010-01 and 04-020-01. The design must prioritize cost effective energy conserving features and the use of sustainable, economical, and low-maintenance systems and materials in accordance with the Council on Environmental Quality's Guiding Principles for Sustainable Federal Buildings. The project will include all geotechnical work to include any necessary drill borings, and shall research, identify, and verify the locations of all existing utilities. Deliverables include all drawings and specifications as required by the West Virginia Army National Guard, West Virginia Military Authority, relevant state agencies, utility providers, and other governing authorities for Camp Dawson.

Task 1: Workplan Review

Upon award the Mead & Hunt team will immediately contact the Client Project Manager to schedule a teleconference to review the proposed workplan to see that all parties involved are on the same page with the approach and adjust as appropriate. During the meeting, the Mead & Hunt team will establish a list of stakeholders and schedule a date for the Project Kick-off Meeting.

Task 2: Kickoff Meeting

The intent of this meeting will be to gather the stakeholders together to explain the process and schedule for the project. We will review our project management plan, confirm your project requirements, and set communication and collaboration expectations. We will also request access to any project documentation you may possess as background for the program verification. Following this meeting, we set this plan into motion, forwarding calendar invitations to all team meetings and establishing our SharePoint and Teams sites for collaboration.

It is critical at this stage to ensure the appropriate leadership from the stakeholder group all attend the kick-off meeting. It is important that the appropriate leadership (TAG/COS/CFMO/Training Site Commander or representatives) should all plan to attend this meeting and emphasize the importance to the group prior to the Mead & Hunt team presenting the agenda.

Task 3: Program Verification

After the completion of the kick-off meeting the team will proceed to gathering data, interviewing stakeholders, conducting facility surveys, and conducting other site investigations as required to confirm the DD Form 1391 program through testing of building siting and massing. After the completion of interviews and site investigations the Mead & Hunt team will provide written meeting minutes for review to the appropriate client project management staff.

Task 4: Design Charrette

This three-day workshop includes all project designers and stakeholders to gain input and establish group consensus on building siting, building massing, regulatory compliance measures, construction phasing and scheduling, and cost. We will use this process to ensure the specific requirements of the Programs of Instruction for the assigned courses are met.

The goals for the charrette include:

- Establish and agree on project goals, requirements, and priorities.
- Generate metrics for performance outcomes.
- Identify project risks and opportunities with the strategies for success.
- Identify potential site, architectural and engineering strategies for further development.
- Validate the project schedule and budget.

During the charrette, we also prepare simple energy models and high-level whole building Task 7 life cycle analysis along with cost models to test design solutions and inform decisions. Our integrative approach establishes an environment for identifying and incorporating strategies that result in reduced resource consumption, reduced life-cycle costs, and maximized health and environmental performance across a wide range of measures. We specifically seek to:

- Provide a forum for planning the project with those who can influence design decisions to make sure early decisions avoid missteps.
- Provide an opportunity for lessons learned from previous projects to inform the planning process.
- Save time and money by collaborating on ideas, issues, and concerns to help avoid later iterative redesign activities.
- Promote “collective enthusiasm” for a project with early realistic goals and directions.

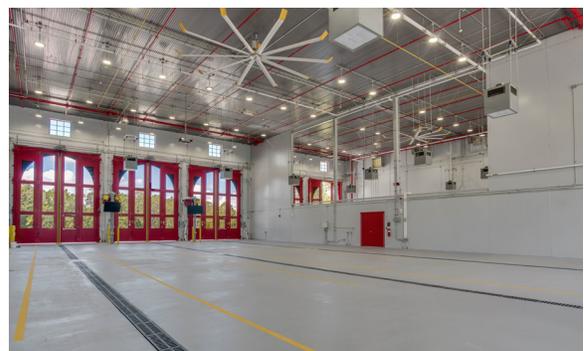
Following the design charrette, the selected conceptual design will be incorporated into a Charrette Report which will form the basis for the rest of the project’s development.

Deliverable: Charrette Report

Task 5: Conceptual Design (30%) Submittal Development

Following completion of the Design Charrette we will identify the requirements for geotechnical analysis to ensure soil bearing capacity and inform structural design. Project Architect Pat Casey will lead the design team into Conceptual design and all remaining design phases. We will continuously monitor the design’s adherence to state building code and NGB criteria. We use BIM360 to coordinate designs across all disciplines in real time. This allows for continuous monitoring and resolution of potential design conflicts throughout all phases of development.

Deliverable: ARNG G9 Checklist-compliant 30% design submittal



**Two-Company Fire Station
Fort Johnson/Fort Polk**

Task 6: Conceptual Design Review and Approval

Upon submittal to the CFMO, we will respond to any comments generated by CFMO or by ARNG G9. As a best practice, we recommend that the CFMO schedule an on-site review of the submittal with the assigned representative from the MILCON Support Team (aka "The Three Amigos"). Experience shows that this review can shorten the NGB approval time from up to two months down to approximately two weeks.

Deliverables: NGB approval of the 30% design submittal; progress to 35% design; and notice to proceed to 60% design; draft response memo to NGB comments

Task 7: Preliminary Design (60%) Submittal Development

As we progress the design, our team will use a secure server and BIM 360 for all active drawing and specification files, allowing us to stay current with each discipline's development of the design and its impact on the project. We will establish internal milestones for development during this phase, providing opportunities for cost control and coordination with stakeholders. We will pin down specific material and equipment requirements and identify bid alternates. By finalizing all major decisions during this phase, we set the stage for an efficient and streamlined construction document phase.

Deliverable: ARNG G9 Checklist-compliant 60% design submittal

Task 8: Preliminary Design Review and Approval

Like the Conceptual Design, we will respond to any comments received. Likewise, we will participate in an on-site review of the submittal with the assigned MILCON Support Team representative.

Deliverables: NGB approval of the 60% design submittal; progress to 65% design; and notice to proceed to 90% design; draft response memo to NGB comments

Task 9: Final Design (90%) Submittal Development

In this phase we will finalize construction drawings and specifications which illustrate the requirements for permitting, buyout, and construction of the project. The intent of this stage of design is to produce a complete set of construction documents that only lack professional seals and signatures, which will be applied after NGB's approval.

Deliverable: ARNG G9 Checklist-compliant 90% design submittal

MEAD & HUNT BY THE NUMBERS:

125

YEARS IN
BUSINESS

60+

US OFFICES

1450

PROFESSIONALS AND
GROWING

80+

YEARS SERVING THE
DoD

Task 10: Final Design Review and Approval

If necessary, we will participate in an on-site review of the submittal with the assigned MILCON Support Team representative. The team will then respond to any final comments received from NGB. Upon resolution, we will sign and seal the documents and prepare them for bidding.

Deliverables: NGB approval of the 90% design submittal; progress to 95% design; and notice to proceed to bid documents

Task 11: Bidding Support Services

As required, the design team will respond to contractor questions during the bidding process, and develop addenda as necessary to support an awardable project.

Deliverables: As required, design addenda in response to contractor questions

Task 12: Construction Phase Services

We understand the importance of the construction phase and the need for responsiveness from the design professionals. To maintain the integrity of the design, the same professionals who designed your project will participate in on-site construction phase support with routine inspection visits. We will work with the Guard to establish a schedule for site visits and will funnel all construction phase documents through a single Construction Administration Specialist.

Using our Newforma file management software (or a contractor-provided system), this Specialist will work directly with the architect and engineers of record, providing both a single point of contact during construction and responsiveness from the team that designed the facility.

If desired, we will also commission the facility using a commissioning team independent from the design team to ensure the completed facility operates as intended.

Deliverables: Routine construction observation reports; commissioning report, if required

Task 13: Closeout

Mead & Hunt's team will provide closeout services starting at substantial completion, continuing through beneficial occupancy, and completing with a contractor walk-thru prior to completion of the typical one-year warranty period.

Work during this phase will include issuance of all closeout documents including verified as-built drawings and project manuals, electronic files for all addenda and change orders, completion of all required forms and permit close outs. Mead & Hunt builds our as-built documentation throughout the entire construction process, resulting in more accurate records of the work and swift completion of this phase of the work.

Project Scheduling

Schedule development and management are essential elements in the Project Management Plan process. The team managers prepare a work breakdown structure and detailed, logic-driven task schedule using tools like MS Project or Primavera to highlight required deliverables, supporting tasks, delivery dates, and special calendar considerations.

Schedule development begins upon notice to proceed, is finalized following the kick-off meeting, and submitted for approval. Once approved by the WVARNG PM, the project schedule is updated at least monthly as part of the project management quality review and invoicing process.



Our team managers will immediately report project deviations from the critical path of the schedule to the WVARNG PM. Risk and change registers will be updated as appropriate and coordinated preventive or corrective actions will be applied as needed.

Version Control

As work has transitioned to a virtual environment using platforms such as MS Teams, it is critical for an efficient process to manage version control. The PM and each team member are responsible for team compliance with the document management processes defined in the PMP and supporting quality management plan.

Project information, submittals, and correspondence will be stored on a secure project server to maintain integrity and to control access. Version and document control efforts will use appropriate project delivery environment(s) (e.g., SharePoint), an electronic document management structure securely identifying each project participant, and a master deliverable register to log incoming and outgoing documents with a unique document and revision number.

Proactive Internal and External Communications

Tom Marti, Project Manager, will facilitate internal and external communication as appropriate. He will work with the WVARNG, designated team members, and other stakeholders to immediately establish a project-specific Communications Plan. Our PMP starts collaboration and responsiveness on day-one through project completion.

Tom will also hold weekly status meetings with the project team, including subconsultants as appropriate. The team may facilitate technical workshops to review project elements. The team will prepare meeting agendas and minutes for all stakeholder events, as well as monthly project progress reports. By implementing our communications strategy, we can identify, prioritize, and successfully address key project issues in a timely manner, ensuring schedule compliance regularly.



Quality Management

Quality Control Procedures

Quality Control is 100% our responsibility through the entire duration of this project. Our QA/QC program is implemented regardless of project size, and not only includes an independent review by discipline leadership, but early design concept review to ensure compliance with criteria and adherence to budget and schedule.

The selection of the QC team is key to delivering an excellent project. The organizational chart below shows our team organization including our QA/QC Lead Rick Burt. Rick will work with the project team to select experienced reviewers matched to the project criteria. Our quality organization, under Rick's leadership, is separate from the project execution chain and their reviews are scheduled and resourced as part of the project planning process.

The Quality Management Plan, established at the beginning of the project, is the quality component of our Project Management Plan (PMP) and demonstrates how we will control the quality of work products. It also addresses our internal controls including descriptions of our processes from developing quality plans and executing the work, to checking the work and revising the work, to conforming to comments. Our QMP contains elements of both Quality Assurance and Quality Control:

- Quality Assurance (QA) activities include a planned system of review procedures conducted by personnel not directly involved in the design compilation/development process. Reviews by senior qualified staff not part of the design team should be performed on a finalized product according to the established QA procedures and the QMP. Reviews verify that the products delivered are accurate and correct and meet WVARNG requirements.
- Quality Control (QC) is a system of routine technical activities to measure and control the quality of the product as it is being developed. The QC process is designed to provide routine and consistent checks to ensure correctness and completeness of design and plan details, and to identify and address errors and omissions. The checking process is task dependent and occurs at the appropriate frequency to maintain the project schedule and provide verification of key design decisions affecting subsequent design tasks.

Procedures to Ensure that Internal Resources are not Over-Committed

Our team proactively manages our workforce using proven resource management tools that provide real-time visibility of employee project assignments.

- Our first step is to create a staffing plan for the project. The organization chart below represents our commitment to you of the discipline leads for your project. This alerts our discipline leadership of potential upcoming project work and initiates support staffing discussions specific to the project.
- Once identified, we update our staffing dashboard, graphically identifying team members with too much or too little workload. Discipline leaders manage project and day-to-day assignments of their team members based upon skillset and commitment to specific projects with a priority to maintain project continuity.
- Weekly staffing projections together with our management systems/tools show updates on workload for each individual and each discipline. This forecasting and monitoring compensate for work slippage and accelerations and allows for workload leveling across a discipline. Below is a sample extract from our staffing plan, demonstrating our method for managing work capacity at the discipline level to ensure our staff is not overutilized.

Summary

Mead & Hunt would be honored to support you on this project. We have the experience, expertise, and quality of execution to support the West Virginia Army National Guard and Camp Dawson by providing a state-of-the-art general instruction building.

Our team provides unrivaled Army National Guard design knowledge and experience, as demonstrated by our past projects for states across Guard Nation. We are committed to partnering with you through any challenge to offer cost-effective, innovative solutions, streamlined approaches, and smooth execution from kickoff to ribbon cutting.

PROVEN LEADERS
Ranked annually in the Top 100 of Engineering News Record's firm rankings for Design, Architecture, and Green Design

EXCELLENT CAPACITY
Led by experts in their individual fields, our 1,400 available engineers, architects, planners and support staff are ready to meet your project goals.

ARMY NATIONAL GUARD EXPERTS
We are successfully delivering Army National Guard MILCON projects across the country and will bring that experience to your general instruction building.

LOCAL KNOWLEDGE, NATIONAL DEPTH
From our recent planning work, we understand Camp Dawson's mission, and will bring the depth of our military fire station design expertise to your project.

ONE CONSISTENT TEAM
The same team from kickoff to completion, to provide a streamlined process and high-quality, fully coordinated product.