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Header 1

List View

General Information | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)

Procurement Folder: 1917106

Procurement Type: Central Purchase Order

Vendor ID:

Legal Name: MEAD & HUNT INC

Alias/DBA:

Total Bid: \$0.00

Response Date:

Response Time:

Responded By User ID:

First Name:

Last Name:

Email:

Phone:

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Solicitation Description:

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Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 1917106
Solicitation Description: General Instruction Building Design- Camp Dawson
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2026-03-17 13:30	SR 0603 ESR03172600000006029	1

VENDOR
 000000182590
 MEAD & HUNT INC

Solicitation Number: CEOI 0603 ADJ2600000006
Total Bid: 0
Response Date: 2026-03-17
Response Time: 11:08:57
Comments:

FOR INFORMATION CONTACT THE BUYER
 David H Pauline
 304-558-0067
 david.h.pauline@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	General Instruction Building Design-Camp Dawson				

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments: Our qualifications proposal is attached.

Extended Description:

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



**Mead
& Hunt**

State of West Virginia

Camp Dawson General Instruction Building Design

March 17, 2026

March 17, 2026



Subject: Expression of Interest – West Virginia Army National Guard General Instruction Building 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 General Instruction Building for the West Virginia Army National Guard.

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, garrison training site commander, and Regional Training Institute MILCON Project Manager. We will treat your general instruction building as our mission.
- **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 general instruction building. 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

- Regional Training Institute – CO ARNG, Fort Carson, CO*
- Camp Dawson Master Plan – WVARNG, Camp Dawson, WV
- Operational Readiness Training Complex – FL ARNG, Camp Blanding, FL
- Readiness Center – FL ARNG, Immokalee, FL
- Army Aviation Support Facility – TN ARNG, Smyrna, TN
- Readiness Center – CA ARNG, Escondido, CA
- Army Aviation Support Facility and Access Control Point – MS ARNG, Hattiesburg, MS

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



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
- Readiness Center – MN ARNG, Arden Hills, MN*
- Armed Forces Reserve Center – IN ARNG, South Bend, IN*
- USPFO Warehouse – OH ARNG, Newark, OH*
- Combined Support Maintenance Shop – OH ARNG, Columbus, OH*
- Aviation Classification and Repair Depot –MO ARNG, Jefferson City, MO*

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



Pat Casey, AIA, 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

- Camp Dawson Master Plan – WVARNG, Camp Dawson, WV
- F-35 Operations & Maintenance Facility – Kingsley Field ANGB, Kingsley Field, OR
- F-35 Squadron Operations Facility B404 – Truax Field ANGB, Madison, WI
- Squadron Operations B25 – Barnes ANGB, Westfield, MA
- Dining Facility B5905 – Tinker AFB, Oklahoma City, OK
- Maintenance Hangar & Shops B4 – 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

- Operational Readiness Training Complex – FL ARNG, Camp Blanding, FL
- F-35 Operations & Maintenance Facility – Kingsley Field ANGB, Kingsley Field, OR
- Squadron Operations B25 – Barnes ANGB, Westfield, MA
- Aircrew Readiness Facility – Beale AFB, Yuba County, CA
- Army Aviation Support Facility – TN ARNG, Smyrna, TN
- Fighter Operations Facility – Atlantic City ANGB, Atlantic City, NJ
- Armed Forces Reserve Center – GA ARNG, Fort Gordon, GA
- Restrooms Upgrades – Bishop International Airport, Flint, MI



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

- Readiness Center – SC ARNG, Union, SC
- F-35 Squadron Operations Facility B404 – Truax Field ANGB, Madison, WI
- Aircrew Readiness Facility – Beale AFB, Yuba County, CA
- Training Site Facilities Engineering Building – CO ARNG, Fort Carson, CO
- Army Aviation Support Facility and Access Control – MS ARNG, Hattiesburg, MS
- Armed Forces Reserve Center – GA ARNG, Fort Gordon, GA



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

- Readiness Center – SC ARNG, Laurens, SC
- Readiness Center – SC ARNG, Union, SC
- C-17 Hangar B51 – Charlotte ANGB, Charlotte, NC
- Restrooms Upgrades – Bishop International Airport, Flint, MI
- 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

- Consolidated Support Facility – Des Moines ANGB, IA
- Squadron Operations B25 – Barnes ANGB, Westfield, MA
- Operational Readiness Training Complex – FL ARNG, Camp Blanding, FL
- Joint Forces Headquarters – NM ARNG, Santa Fe, NM
- Armed Forces Reserve Center – GA ARNG, Fort Gordon, GA
- Army Aviation Support Facility and Access Control – MS ARNG, Hattiesburg, MS



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

- Training Facilities – MN ARNG, Camp Ripley, MN
- Operational Readiness Training Complex – FL ARNG, Camp Blanding, FL
- Readiness Center – SC ARNG, Union, SC
- Readiness Center – SC ARNG, Laurens, SC
- B1 & B40 – Morris ANGB, Tucson, AZ
- Army Aviation Support Facility – TN ARNG, Smyrna, TN
- Armed Forces Reserve Center – GA ARNG, Fort Gordon, GA
- Army Aviation Support Facility and Access Control – MS ARNG, Hattiesburg, MS
- Maintenance Hangar & Shops B4 – Selfridge ANGB, Harrison Township, MI



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

- F-35 Operations & Maintenance Facility – Kingsley Field ANGB, Kingsley Field, OR
- Readiness Center – SC ARNG, Union, SC
- Readiness Center – SC ARNG, Laurens, SC
- Readiness Center – GA ARNG, Cedartown, GA
- Aircrew Readiness Facility – Beale AFB, Yuba County, CA
- Operational Readiness Training Complex – FL ARNG, Camp Blanding, FL
- Armed Forces Reserve Center – GA ARNG, Fort Gordon, GA
- F-35 Squadron Operations Facility B404 – Truax Field ANGB, Madison, WI
- Maintenance Hangar & Shops B4 – Selfridge ANGB, Harrison Township, MI



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

- Operational Readiness Training Complex – FL ARNG, Camp Blanding, FL
- Army Aviation Support Facility – TN ARNG, Smyrna, TN
- F-35 Squadron Operations Facility B404 – Truax Field ANGB, Madison, WI
- Armed Forces Reserve Center – GA ARNG, Fort Gordon, GA
- Air Force Material Command Headquarters – USACE LRL, Dayton, OH
- Maintenance Hangar & Shops B4 – Selfridge ANGB, Harrison Township, MI



**Buildings 1 and 40
Morris ANGB**



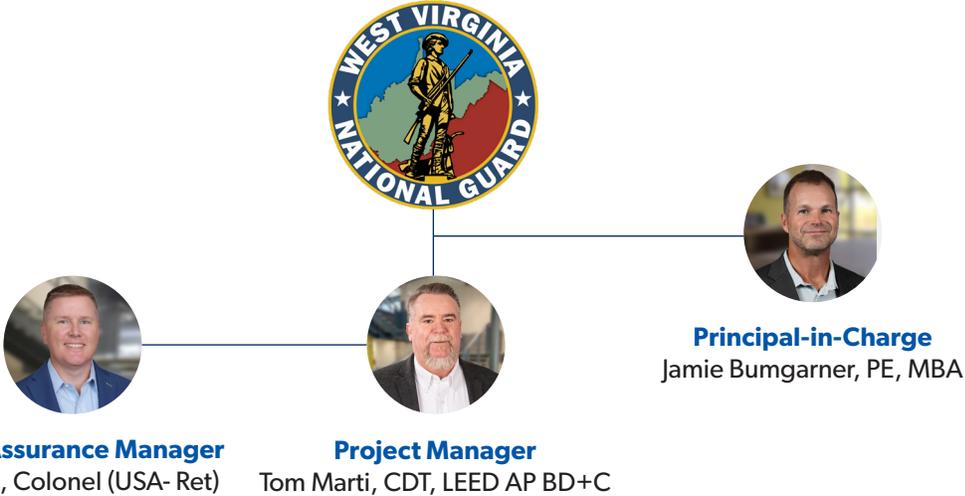
**Squadron Operations B404
Truax Field ANGB**

Proposed Staffing Plan

We have assembled a unified project team focused on the project’s mission to design and construct a general instruction building 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



Replace Training Facilities

Camp Ripley, Minnesota

Objective: The Minnesota Army National Guard required replacement of four training facilities that were destroyed in a tornado. The project utilized MILCON Funding as an “Act of Nature” replacement project.

Project Description/Objective Met: Mead & Hunt provided complete design, engineering, and construction administrative services for the \$19M replacement of facilities needed to support training more than 30,000 soldiers on an annual basis. The project included a standalone Transient

Officers Billets facility; a combined Troop Barracks, Dining Facility and Company Headquarters; a separate Maintenance Training Facility; and a Battalion Supply Facility. All these facilities were destroyed during the tornado.

The project had an accelerated timeline of six months for design due to the fiscal year of funding secured for the project. Mead & Hunt developed a detailed timeline to support the project and worked directly with the owner and NGB Facilities Management Engineer (FME) to streamline critical milestones in the design process. Ultimately the project met milestones including the successful bidding and award of the construction contract. These facilities are now the design standard for the entire installation.

Project Manager: Laurie Whitney | 608-443-0558 | laurie.whitney@meadhunt.com



Construct Operational Readiness Training Center

Camp Blanding, Florida

Objective: Design and construct a seven-building transient training complex, complete with all site improvements, capable of supporting a 740-person battalion

Project Description/Objective Met: Mead & Hunt conducted a design charrette to confirm the program and develop alternatives for the design, ultimately leading to a preferred alternative based on organizational

consensus. The complex is designed to be fully electrified in accordance with current DoD, Army, and NGB policy.

The project includes design for one transient training battalion headquarters, six transient training company headquarters, 676 beds of unaccompanied housing and 64 beds for Officer/Senior NCO billets, one battalion support and ration breakdown building, one battalion maintenance shelter, and one transient training dining facility. All facility designs include required roads, curbs, and sidewalks; anti-terrorism/force protection; electronic security systems as required; voice and data communications with structured cabling network systems; AV and public address system; fire protection systems with alarm and integrated mass notification capabilities; and restrooms with showers.

Project Manager: Debbie Dent | 803-520-2835 | debbie.dent@meadhunt.com



Repair B6922 for Cyber Operations Squadron

Battle Creek ANGB, Michigan

Objective: Battle Creek ANGB was selected as a beddown site for a new cyber operations unit. The objective of the project was to convert and reconfigure portions of B6922 to incorporate the new squadron. The facility needed to accommodate a SCIF sized to support multiple cyber operations flights, a cyber operations floor, command and control, training and testing, cyber operations support and maintenance, and other support functions.

Project Description/Objective Met: Mead & Hunt converted portions of the building serving the existing occupants, Air Component Operations Squadron (ACOS), into critical spaces that accommodated the new Cyber Operations Squadron (COS). Roughly half of the 22,789-SF former maintenance shop building was designated for the COS. The COS space was designed as primarily SCIF-level space with the remaining COS area as open office. The ACOS space was consolidated by moving the command office space adjacent to the operations floor. Building support functions – toilet and locker rooms and the break area – were relocated in the updated building floor plan to allow the COS and ACOS to maximize operational efficiencies. The facility also needed to accommodate robust and redundant communications with connectivity to two communications switches.

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



Replace Troop Training Facilities

Volk Field CRTC, Wisconsin

Objective: Replacement of the existing 1950s substandard dormitories with centralized state-of-the-art housing and training facilities.

Project Description/Objective Met: The Volk Field Combat Readiness Training Center (CRTC) is an Air National Guard (ANG) training center used by many military entities. The Air Combat Maneuvering Instrumentation System and Hardwood Air-to-Ground Weapons Range attracts users daily from surrounding states. The United States Air Force (USAF) Base Defense

and Ability to Survive and Operate Program trains more than 8,400 personnel annually. These personnel come from the ANG, Air Force Reserve, and active duty units throughout the United States.

The project involved the replacement of existing troop quarters with a 32,200-SF, two-story troop training facility. There are dormitory rooms for 140 beds, which are now in a standard layout. Six special combined VIP and Americans with Disabilities (ADA) compliant rooms are also incorporated. The facility consists of common areas such as restrooms, laundry rooms, classrooms, lobby, vestibules, television lounges, corridors, and stairwells. The project expanded the centralized campus of modern housing and training facilities at Volk Field CRTC.

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.)



Renovate Buildings 1 and 40

Morris ANGB, Arizona

Objective: A 53-year-old building (B1) needed renovations to house operations spaces for two FMS Squadrons, and renovation and modernization was required for B40 to enable consolidation of 162nd Fighter Wing Headquarters functions, Base Command Post, and 162nd Communications Flight.

Project Description/Objective Met: Mead & Hunt completed the design for phased renovations of two separate buildings for the 162nd Wing of the Arizona Air National Guard. The updated design reconfigured the space in two separate buildings, Building 1 and Building 40. Building 40 was renovated during the first phase of construction to include the Wing Headquarters, the Communications Flight, and the Command Post. Building 1 was renovated during the second phase of construction to include two Foreign Military Sales Squadron Operations functions and the 162nd Formal Training Unit Training Squadron. Additionally, Building 1 now houses an F-16 Flight Simulator, along with associated support equipment. These renovations necessitated upgrades to mechanical and HVAC systems, walls, secure working spaces and SCIF spaces, as well as electrical and fire protection modifications and communications updates, and improvements to security infrastructure, building access and parking areas.

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



Addition/Alteration of Squadron Operations B404,

Truax Field ANGB, Wisconsin

Objective: The building, originally constructed in 1986, had received only minor modifications over the years, was left poorly configured for current operations, and spaces were generally deficient and outdated. The goal of this project to modernize the facility for current operations.

Project Description/Objective Met: Mead & Hunt led the complete renovation of Squadron Operations B404 and provided two minor additions to accommodate new mission requirements for a simulator training space and new commander office areas, with the intent to meet their authorized square footage allowances. Our team met the goal of the project by providing a properly sized facility with optimized productivity; met mission secure requirements; provided ADA accessibility and equitable male/female facilities; and upgraded interior finishes, exterior windows, and mechanical, electrical, plumbing, and technology systems. With the complete reconfiguration of the facility, the team also improved the interior environment through selection of new base standard finishes to increase airmen morale and recruitment potential. Additionally, if selected for 5th Generation aircraft, the unit wanted to see that modifications were minimal to decrease downtime within the secure facility, while being good stewards of the taxpayer's money.

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



Replace Squadron Operations Facility Fresno ANGB, California

Objective: This constrained site needed a brand new squadron operations facility to serve the 144th Fighter Wing (FW) and its subordinate Fighter Squadron for training and preparing for flying missions.

Project Description/Objective Met: Mead & Hunt began and completed design development as well as provided full-time on-site construction administration on this \$9.8 million, 23,300-SF facility, a centerpiece for the Fresno Air National Guard Base, which is designed to LEED Gold standards.

This facility is used for training and mission-preparedness. Operational areas of the facility include dispatch, training, open and private office space, aircrew life support, and equipment storage. The building contains several classified areas: the 144th FW Command Post, the 144th FW Intelligence Division, an aircrew mission planning area, a Wing project office, three 250-SF aircrew briefing rooms, and a 40-person main aircrew briefing room. The building also houses men's and women's aircrew locker rooms, an aircrew flight equipment locker room, aircrew flight management offices, squadron administrative offices, a visiting pilot's briefing room, the Operations and Weather Center, extensive audio-visual equipment, extensive use of systems furniture with pre-wired work stations, and an 80-person auditorium.

Contact: Eric Love | 916-993-4661 | eric.love@meadhunt.com

(Eric was the Lead Structural Engineer on the project. The Project Manager is no longer at the firm.)



Replace Troop Training Quarters Alpena CRTC, Michigan

Objective: Replace six existing open-bay barracks with a single dormitory facility for the Alpena Combat Readiness Training Center.

Project Description/Objective Met: The new facility added more than 34,000 SF of new space, including 83 dorm rooms, which can accommodate more than 159 personnel. The facility provides billeting, with a multi-purpose dayroom for unit training or relaxation. Laundry accommodations are also included. Mead & Hunt designed the Phase I

project which is identical in size to Phase II. Mead & Hunt also planned and laid out the infrastructure for the four phase build out. Fire protection was included to meet the requirements of NFPA 70 and 101, and UFC 3-600-01. This building incorporated innovative methods to achieve higher energy performance, used environmentally friendly and sustainable building construction materials, and provided a better indoor environmental quality for the building occupants. This building achieved a LEED Gold rating.

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

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 general instruction building is intended to support the mission of the Army Interagency Training and Education Center (AITEC). The project will provide a building of permanent construction consisting of classrooms, learning center, toilets, 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.

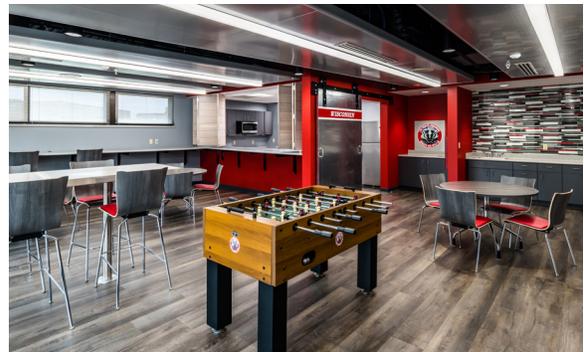
Following the design charrette, the selected conceptual design will be incorporated into a Charrette Report which will form the basis for the rest of the project’s development.

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



**Squadron Operations B404
Truax Field ANGB**

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.



**Renovate Buildings 1 and 40
Morris ANGB**

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 full force of our nationwide 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.