F E D E R A L

YAEGER ARCHITECTURE .COM

Architecture | Interiors | Planning

EDITORIAL

"Exceptional rating in the Architectural Discipline is attributable to Yaeger's leadership of the design team and innovation evident in the architectural plans. The customer was impressed by the design team's presentations and concepts revealed at the design charrette."

- Thomas Graff
Program Manager,
USACE, Kansas City District

Yaeger Architecture, Inc. offers a depth of experience in the design of new construction as well as the preparation of design-build RFPs. We are proven in our ability to execute task orders with multiple regulatory stakeholders and understand, specifically, how to work with public agencies to provide the finest facilities and at the "best value". Yaeger has received numerous overall ACASS ratings of "Very Good" on our IDIQ contracts and the ratings included exceptional ratings for adherence to schedules, meeting cost limitations, cooperativeness, and responsiveness.

Yaeger's purpose is to deliver complex multidisciplinary teams and projects through the design and construction process to the completion of our client-defined goals. We utilize the best engineering practices to reduce risk and increase value.

Yaeger Architecture's qualifications and experience include:

- New construction, renovation, and adaptive reuse projects
- Master Planning
- Historic Preservation
- Sustainable Design including LEED, Guiding Principles, Energy Star, and Net Zero projects
- Anti-Terrorism/Force Protection Design
- Secure Network Infrastructure

Yaeger was awarded, as prime or subconsultant, and has successfully executed the following Federal IDIQ contracts:

- A-E IDIQ for Design and Construction Support Services, USACE District, Seattle
- A-E IDIQ for Design and Construction Support Services, USACE District, Omaha
- IDC for A-E Services to Support Historical Renovations at Fort Leavenworth, Kansas
- USACE NWK - AE Services Small Business
- General Services Administration (GSA) Region 6

I am available to respond to any inquiries and can be reached at 913-742-8030 or by e-mail at mturner@yainc.com.

With gratitude,

Matthew Turner, PMP
Vice President

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ON THE COVER & BACK COVER: Ash Meadows Visitor Center - Field Station in the Desert National Wildlife Refuge, NV. More information on page 26.

YAEGER ARCHITECTURE

Architecture | Interiors | Planning

Yaeger Architecture, Inc. was founded in 1973 and has provided forty-seven years of architectural excellence in design and construction administration. Our services include new construction, as well as remodeling, renovation, and restoration of multifamily housing, hospitality, retail, office, master planning, and federal government projects. Yaeger has completed projects across the US and around the world, establishing lasting relationships with clients in many market sectors, forming the basis for our award-winning practice.

Our staff offers the wisdom and insight which can only be gained through years of active participation in the design and construction industry. Each project receives the skilled guidance of our experienced staff members and careful oversight by the firm's leaders. The firm benefits from a very dedicated staff, with extremely low employee turnover. The firm's guiding principle is providing the best value to our clients by combining design excellence with experienced project delivery and management.

*We **guide** clients, complex teams, and projects through the design and construction process to completion of **defined goals**.*

DUNS Number: 065765208; CAGE Code: 1E3G1

Autodesk Revit and Bentley V8i BIM

Small business under 541330 & 541310 NAICS Codes

Yaeger's new office at Central Green in Lenexa (pictured here) received first place in its size category in the Kansas City Business Journal's 2019 KC's Coolest Office Spaces contest.

AIR SUPPORT FACILITY
WHITEMAN AFB, MO

Historic Whole Building Renovation
Cost: $15.4 M | Size: 35,691 square feet

Yaeger Architecture was the key consultant for this 100% design-bid-build project providing project management of multi-discplined AE team, planning, architecture, interior and sustainable design of this mission-essential facility for the B-2 Wing. The construction documents were produced in REVIT BIM with AutoCAD (.dwg) and UFGS SpecsIntact. Yaeger managed all design discplines including architecture, interior design, fire protection, mechanical, electrical, structural, communications, civil engineering, and cost estimating.

Design work includeed the programmatic requirements for the new construction of the 79,190-gross square foot building including the full interior design of the SID, CID, and FF&E packages and all associated sitework. The building shall be a facility that consolidates functions into a single mission-focused building (CNAOSF). The facility design followed guidance for Total Force Integration (TFI) utilizing AFI 90-1001 through consolidation and integration of mission functions and personnel including the following: three (ANG) Bomb Squadrons, Mission Planning, Intelligence, Scheduling, Standardization and Evaluation, Weapons, Survivability, Flight Records, Navigation, Operations briefing rooms, Sensitive Compartmented Information Facility (SCIF), Weather and Airfield Operations, Alert Crew facilities and the affiliated space required to support these groups.

Designed in accordance to Intelligence Community Directive (ICD)-705. Included anti-terrorism/force protection (AT/FP) measures such as building hardening for heightened level of protection (LOP), blast design and RF shielding.

This project is the pilot project for the USACE Kansas City District by use of the Guiding Principle Assessment by GBCI, aligning with the High Performance Sustainable Building criteria and mandating of Total Building Commissioning that includes having a disinterested (3rd party) commissioning agent (CxA) as part of the design team. To achieve N+1 status the electrical redundancy is provided by a permanently installed generator set. The building also has connections for a temporary generator if the installed generator fails to start.

At the CNAOSF facility, there are many zones in the building which require HVAC redundancy. Redundancy for these areas is provided using redundant chillers, redundant hydronic pumps, redundant steam to HW convertors, and stacked dual air handling units. Each chiller can operate independently providing full cooling for the zones requiring redundancy. As a rule, when a chiller is fully loaded it will operate at a standard efficiency. However, each of these chillers has a very high efficiency at part load conditions. During normal operation, both chillers will operate at part load conditions where their IPLV is highest and will be able to meet the total building cooling loads.

The stacked air handlers allow continued cooling to critical zones in the event of one of the units failing. The DDC system will close off air (if required) to non-critical zones to divert air to the critical zones. Utilizing stacked air handlers allows the use of the same ductwork downstream which significantly reduces the amount of ductwork required. The server room at the CNAOSF facility is expected to have a peak load of 160 KW. With diversity, the running load would be expected to be around 35 tons. There are (4) 20-ton chilled water computer room units to provide a N+1 redundancy. Taps in the hydronic mains in the server room will be installed to allow for future units to be added should the IT equipment expand.

Site design for the CNAOSF includes, but is not limited to, concrete, private-owned (POV) parking lots, concrete curb and gutters, and roadways to access the POV parking. Construction Award: $26,644,688 with options to $32.35M.

The STRATCOM Gate project was awarded to JE Dunn with Yaeger Architecture as Architect/Design lead. The project was completed in 2013.

STRATCOM ENTRY GATE

OFFUTT AFB, NE

The STRATCOM Gate at Offutt Air Force Base included the design and construction of a new Gatehouse, four ID Check Stations, an Overwatch Guard Station and a new entry gate canopy that covers 6,540 square feet. The project includes 290,600 SF of concrete pavement. This is the main Entry Control Facility for the AFB and was designed to make an initial impact upon people entering the Base. This project was a high profile project with many design and construction challenges. Since this is the main gate for the Base, it was imperative to maintain operations and traffic flow throughout the construction period. This required the design team to carefully consider phasing and constructability throughout the life of the project and design. Traffic lanes were rearranged to help with traffic flow onto the Base, comply with AT/FP and to better serve the needs of the existing COV Inspection Facility and the Visitors Control Center.

The design for this gate is high-tech and contemporary, which fits the image the Air Force is striving to achieve. Sleek lines were achieved through the use of angular and linear forms created out of metal panels. All panels were perforated to reveal the structure of the entry canopy. The ID Check Stations were pre-fabricated units to help speed up construction and for future expansion, allowing the Base to purchase more identical units in the future when adding ID stations to the gate. The main facility at the entry point, the new Gatehouse, was constructed of brick in order to be complimentary to the nearby existing Visitor Center.

While this project was not LEED certifiable, the design-build team employed a sustainable design throughout, utilizing materials with recycled content, recycling construction materials, minimizing light pollution and controlling the quantity and quality of stormwater to the greatest amount feasible.

CST READY BUILDING
WINDSOR LOCKS, CT

Yaeger led design as part of the design-build team for this new construction project.
Cost: $10.2 M | Size: 23,759 square feet | LEED Silver Certified

The facility serves as headquarters for a highly specialized Connecticut National Guard disaster response team.

The ready building is the first of its kind in the United States, housing the Connecticut National Guard's (CTARNG) 14th Civil Support Team (CST). This team provides highly trained support to authorities and first responders during domestic threats such as nuclear, chemical, biological or radiological dangers.

The scope of work included civil and site design, architecture, comprehensive interior design including structural interior design (SID) and FF&E, mechanical systems, plumbing systems, electrical systems, telecommunications systems, fire suppression, fire alarm and mass notification. The project complies with all local, State, and Federal codes, regulations, standards, and references.

Yaeger Architecture led design as part of the design-build team for this new construction project. The Ready Building supports functions including administrative, training, and operations of the CTARNG's 14th CST at Camp Hartell. This first-of-its-kind facility provides a secure, functional, efficient, durable, and low-maintenance center of operations. Functional spaces include: office, administrative, supply areas, classrooms, an arms vault, conference rooms, tool rooms, and storage. There are four rows of ready bays and storage for special equipment associated with housing and deployment of the specialized CST / hazardous material vehicles. A mechanical mezzanine was provided in lieu of a mechanical room on the main floor of the facility. This allows the opportunity for better systems distribution as it centralizes the equipment. This new building has many infrastructure improvements including site work, roadway, parking, utility, and drainage. The new ready building center will house 22 full-time Connecticut Army and Air National Guard members, all with unique military capabilities, expertise and technologies to assist state and local authorities in preparing for and responding to major potential threats and disaster declarations.

Sealaska constructors served as prime contractor for the nearly two-year, $10 million project.

HISTORIC RENOVATION FOR TRADOC

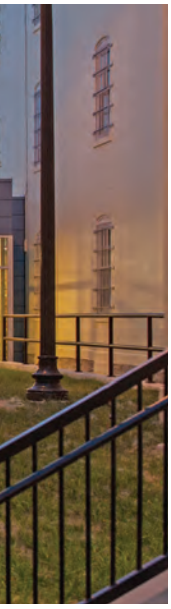
FORT LEAVENWORTH, KS

Historic renovation for Training and Doctrine Command (TRADOC)
Cost: $18.6 M | Size: 52,800 square feet

The historic whole building renovations for the 3-story 466 and 4-story 467, both listed on the National Register of Historic Places, accommodates classified functions including a 3,500 SF sensitive compartmented information facility (SCIF), classified open storage administrative office, a SIPRnet cafe, restricted access and SIPRnet routing networks. Other functional spaces include 10 technology classrooms (Classroom XXI hybrids) 2 of which are capable to support classified discussions, conference rooms, break rooms, SES office suite, administrative office, locker room, restrooms, storage and administrative support areas.

The project consisted of the design of a major renovation (100% design documents) of approximately 52,800 SF, and an addition of new 1,000 SF enclosed connection between historic buildings. The design included architectural, structural, mechanical and electrical upgrades and was executed in Revit BIM. Scope included site investigation, geotechnical report, topographic survey, comprehensive interior design, design analysis, planning and value-based design charettes, value engineering charrette, life cycle cost analyses, cost estimating in MII, electronic security system design, network engineering, sustainable design documentation and historic building documentation.

Durability and Sustainability were primary goals in developing an effective and functional interior. Sustainable features included: low and no-VOC emitting materials, PVC-free, materials, priority use of rapidly renewable resources such as wheat board and bamboo, materials with high recycled content, various sustainable certifications, salvage and reuse of existing material. This project complied with; EPACT 2005, the Energy Independence and Security Act of 2007 and was designed to be LEED Silver “Certifiable”.



"Yaeger Architects has successfully completed several complicated projects in Kansas in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties. With the challenges faced on the adaptive renovation of Building 466 and 467, Yaeger's innovation and communication led to the creation of another success."

- Kim Gant, Review & Compliance Officer, Kansas Historical Society

COMBINED ARMS CENTER
FORT LEAVENWORTH, KS

Building 52 houses the installation commander and the HQ for the Combined Arms Center (CAC).
Cost: CLIN1: est. $47.5M; CLIN2 & CLIN4: $13.5M

CLIN 01: Building 52 Master Planning and Project Sequencing Analysis, Combined Arms Center Headquarters: Yaeger was Prime for this multidisciplined comprehensive master plan for this historic renovation in compliance with Section 106 of the National Historic Preservation Act. This project created a master plan to optimize a 5-year sequence of design and construction projects utilizing FSRM funding for this 3-star General Headquarters facility. The project started with a Yaeger-facilitated planning and design charrette to discuss the intent and sequence in which the building's major renovation should occur. Each project was planned to result in a complete and usable building, without requiring support from a future phase. The building was designed to retain partial occupancy during each project's construction and designed to and certified at the GBCI LEED Silver level using LEED 2009 for CI. Building 52 houses the installation commander and the headquarters for the Combined Arms Center (CAC). Projects were designed to restore historic character defining features, modernize the building systems through 100% design of and utilization of a new large campus centralized geo-thermal plant and bring the building into compliance with current code/criteria. YAEGER managed all design disciplines including architecture, interior design, fire protection, mechanical, electrical, structural, communications, and civil engineering as well as cost estimating.

CLIN 02: Renovation to Building 47 and CLIN 04: Historic Renovation Building 102: Led multidisciplined AE Team for the 100% design-bid-build delivery for the FSRM adaptive reuse and whole building restoration of historic Building 102 and Building 47 as part of the expanding Combined Arms Center (CAC) and Army University campus. Located within Fort Leavenworth's National Historic Landmark District (NHLD) these multi-disciplined major renovations were completed in compliance with Section 106 of the National Historic Preservation Act. Design included innovative office, training and administrative environments, conference rooms, break rooms, instructor's work areas, restrooms, and storage. The buildings were brought up to current UFC and building codes, AT/FP criteria and are LEED Silver (B102) and Gold (B47) certified using LEED 2009 for CI while preserving the historic character.

Built in 1964, B47 is a 2-story, load bearing, brick masonry with wood-framed interior structure. Built in 1859, B102 is a 2-story, loadbearing, brick masonry with wood-framed interior structure. Both buildings included open interior office space, SIPRNet distribution, secure storage, energy upgrades including new roof system, exterior envelope insulation, VRF HVAC and alterations for AT/FP compliance such as increased building setbacks, and the installation of blast compliant exterior door and window assemblies as well as SID and CID w/ FF&E design. Historic B102 included preservation of historic tin ceilings, wood windows and plaster walls, new interior stairwells, temporary swing-space design. This necessitated the use of forensic investigation and destructive testing including in situ deformability and shear tests, anchor bolt testing and mortar analysis. Both buildings included seismic assessment in accordance with ICSSC RP8 and (ASCE)-41.

Located within Fort Leavenworth's National Historic Landmark District (NHLD), and the associated prominence of historic Building 52, planning efforts were done in coordination with Fort Leavenworth's Cultural Resource Manager (CMR) with proactive communication including the Kansas's State Historic Preservation Office (SHPO).

"This task order was the start of a multi-task order, multi-project design effort by Yaeger in support of the renovation of building 52 and the Combined Arms Center campus. Yaeger supported each requirement and each change as the program developed and became the go to AE for the CAC."

Christine Hendzlik, USACKE Kansas City District Project Manager


GRANT HALL

AMSC HISTORIC RENOVATION
FORT LEAVENWORTH, KS

Army Management Staff College (AMSC) educates and develops the Army Civilian Corps for leadership and management responsibilities throughout the Army.
Cost: $15.4 M | Size: 35,691 square feet

The Building 465 renovation earned LEED Gold Certification.

Building 465 was built in 1930 as a hospital. The building has Classical design and detailing and is part of the National Historic Landmark District. It retains significant historic integrity, clearly portraying its 1920s character. Yaeger designed the building's adaptive reuse, and wrote the prescriptive RFP used for the design-build construction award. Yaeger served as technical reviewer for the US Army Corps of Engineers during construction.

Keeping the historic nature of the building in mind, the building was brought up to current code. LEED Gold Certification was achieved, as was full compliance with EPACT 2005. The design accommodates fourteen classrooms, a Network Operations Center (NOC) and spaces for the Civilian Education System (CES). Included in the project is a parking lot north of the former Disciplinary Barracks complex.

All-new utility connections were run to the building, new interior emergency egress stairs were added, a new elevator was added in the existing elevator shaft, new plumbing and electrical systems were provided, a new telecommunications system was installed, a new HVAC system was provided, the building exterior was repaired and upgraded to meet ATFP requirements, the sub-basement was repaired, and a new fire sprinkler system and fire alarm system was added.

The historic conditions and configuration of the

Yaeger Architecture wrote the precscriptive RFP used for the design-build construction award and served as technical reviewer during construction.

building was documented by construction of an accurate Building Information Model. The utilization of BIM afforded numerous benefits during the design and construction phases. The completed renovation includes restored and preserved historic elements, including plaster walls with coved returns, terrazzo floors, marble door thresholds and window sills.

The Army Management Staff College (AMSC) Renovation received recognition by the U.S. Corps of Engineers Chief of Engineers Awards of Excellence 2012 Merit Award for Restoration. This project also acknowledged with a 2012 Honor Award for Excellence from the Kansas Preservation Alliance, Inc. and with a DBIA 2012 Honor Award.

BASIC COMBAT TRAINING BARRACKS COMPLEX
FORT LEONARD WOOD, MO

Cost: $29.1 M | Size: 128,000 square feet total
Yaeger was awarded this design-build contract with Archer Western Contractors.

Each B/COF is approximately 64,000 SF and is designed to house 240 trainees with a surge capacity of 288 personnel.

The project includes two three-story BCOF buildings and the site work for an additional three BCOFs, including all the road, utility, and access improvements on this 24-acre site. The site plan was designed to include space for a Battalion Headquarters Building to be designed and built by others. The complex was also required to tie into an adjacent Training Complex and Dining Facility.

Each B/COF is approximately 64,000 SF and is designed to house 240 trainees with a surge capacity of 288 personnel. The buildings are comprised of four open bays, accommodating troops for basic training. Support spaces include company offices, arms lockers, luggage storage, training areas, showers, dressing facilities, multi-purpose rooms, and classrooms to include office and administrative areas. Interior finishes in the sleeping bays are of commercial quality but were strategically chosen to create a residential aesthetic. The buildings are three stories high, clad in brick and CMU, and have a metal roof.

The Buildings are USGBC Gold Certified using the Leadership in Energy and Environmental Design (LEED) program. All designs were prepared utilizing Bentley BIM Software and the COS Facility Standard Design.

"The design team did a good job during the design process to keep quality high." - John Offen, USACE

MI BATTALION HQ
FORT CARSON, CO

Yaeger Architecture provided architectural and interior design services as a member of design-build team for the Military Intelligence (MI) Battalion Headquarters with secure information areas and Administration Facility. The D-B team's selection resulted from a full and open Design-Build Request for Proposal process.

The three-story facility consists of a new 62,500 SF Military Intelligence Battalion Headquarters building with classrooms, NOC, BOC and secure information areas. It is an example of a collaborative design and construction process that combines strong, contemporary design aesthetics, environmental sustainability, energy efficiency and complex security systems. The project uses an integrated BIM approach to maintain excellence throughout the design and construction phases.

"The completed building clearly meets or exceeds all established criteria. The building is aesthetically pleasing. The interior layout and function is a vast improvement over the facility it replaces. Quality of materials is high. The building will be LEED Gold Certified. The building, with its 300 kW PV system, high efficiency HVAC and lighting systems, high performance windows and high R-value walls and roof will be one of the most efficient on Ft. Carson."

- John Offen, USACE

300 kW PV array canopies cover 50% of the parking lot

The facility provides a top-tier working environment for hundreds of soldiers. It contains both open and private work stations, multiple conference rooms, and a flexible classroom arrangement with integrated multi-media and communications at learning stations capable of seating up to 250 users. The design addressed security level Secret and Top Secret requirements in the the secure information areas and NOC/BOC (Secret) facilities. Secret communications networks (SIPRNET) are utilized throughout the facility in accordance with I3A standards, and JWICS are provided in the secure informaiton areas.

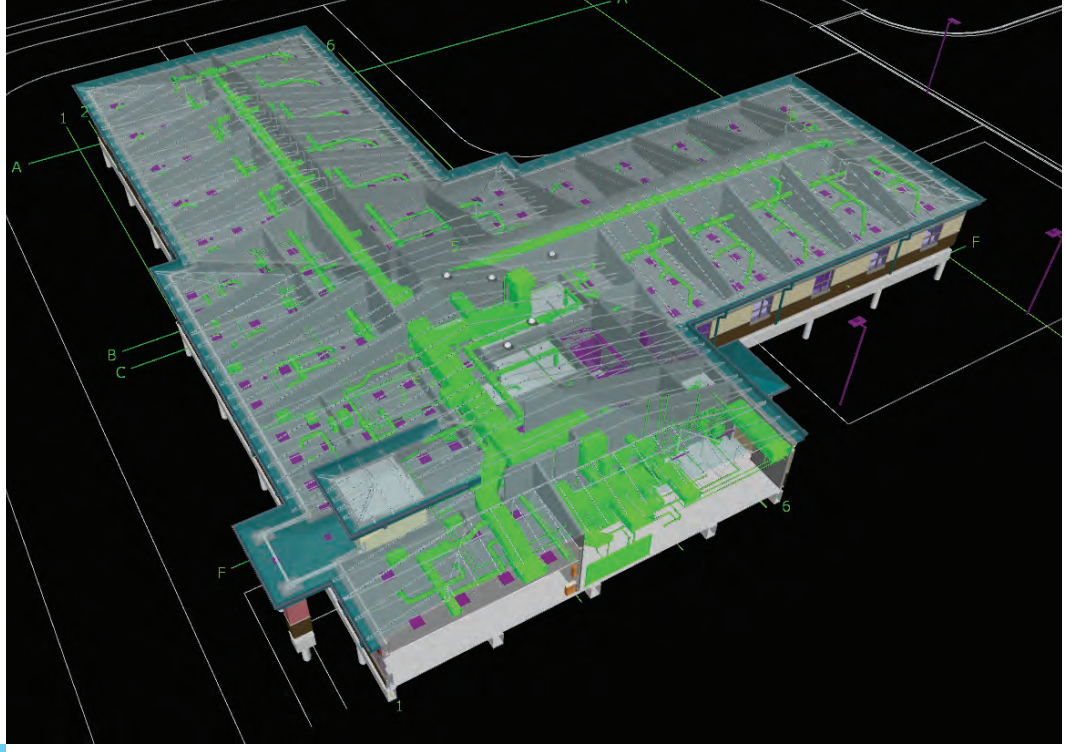
Site construction consists of a high security perimeter surrounding the parking areas for the secure information areas, NOC and BOC. These enclosed lots also contain communications cabling and power to serve the mission functions of the users. Specialized site features include 300 kW photovoltaic array canopies covering 50% of the parking lot, sustainable landscaping and high efficiency LED site lighting.

The MI Battalion HQ received the RMR Merit Award under the Civic Category in the 2011 DBIA Rocky Mountain Region Design-Build Awards.

SPECIAL FORCES LANGUAGE TRAINING FACILITY

FORT CARSON, CO

Cost: $12.6 M | Size: 22,400 square feet
Yaeger was awarded this design-build contract with Medvolt, LLC.



"Yaeger did a great job providing design services that allowed the construction contract to stay on time, on budget, and fully meet all of the customer's requirements. We had no design problems, errors, or deficiencies during the project. We would definitely fire Yaeger again in the future."

- Jimmy Harding, USACE

Yaeger Architecture Inc. was the KEY CONSULTANT to Medvolt, LLC – the general contractor - for this design-build project serving as DESIGN LEAD providing project management, architecture, and interior design of this new 22,400 GSF single-story training facility to support the 10th Division Special Forces.

The function of the facility is similar to a higher education classroom facility and provides for the sustainment of foreign language skills. The building will accommodate administrative offices, classrooms, a reference library, a resource center, language proficiency testing spaces, and associated support spaces.

This project is LEED NC v2009 Silver Certified, used Total Building Commissioning including air barrier testing, and complied with all current UFC and building code criteria. Project was fast-tracked to release site and foundation package for early construction release.

Building system design included but was not limited to; exterior building material in compliance with Installation Design Guide (IDG), standing seam metal roof system with continuous installation and air barrier over cold formed metal trusses, drilled shafts (piers) under mat-slab foundaiton with light framed shear walls, AT/FP - blast compliant exterior door and window assemblies, VAV air handlers with terminal units with HW reheat, whole-building energy performance simulation was performed using TRACE 700 software, plumbing, electrical, lightning protection system, LED lighting, Access Control with ICIDS, fire protection, telecommunication outside plant (OSP) and network systems. Civil work included; hydraulic modeling, excavation and embankment, new utility service with cathodic protection as reuqired, reconfiguration of site and new parking design for AT/FP compliance. Design and construction was completed in close coordination with government stakeholders to align with concurrent construction project located adjacent to the project site which was being performed by others.

Federal Bureau of Prisons, Danbury, CT | Cost: $23.6 M

Joint Base Lewis-McChord, WA | Cost: $14.6 M | Size: 34,820 square feet

Lake City Army Ammunition Plant, MO | CWE: $135 M

CAMP CORE BUILDING

As LEAD DESIGNER, architect and interior designer, Yaeger Architecture served as a sub-consultant to constructor Sealaska Constructors for this Sensitive-SBU Design-Build project for the Federal Bureau of Prisons. The project consisted of the design and construction of two (2) pre-engineered metal buildings (PEMB) as well as site work. The new, 18,000 GSF, Camp Core facility provided a 7,500 SF dining/food service facility, visiting and family counseling areas as well as limited medical services including exam rooms, imaging (x-ray) room, and dental treatment space. The buildings will be integrated to support user functions at the adjacent, existing, Camp Housing complex. Additional operational spaces include; administrative office, classrooms, conference and support spaces. The new, 3,000 GSF, Entry Building 2 provided a visitor center, security check-in, facility control point and project site work including; new entry drive, parking lot perimeter security fencing and gate.

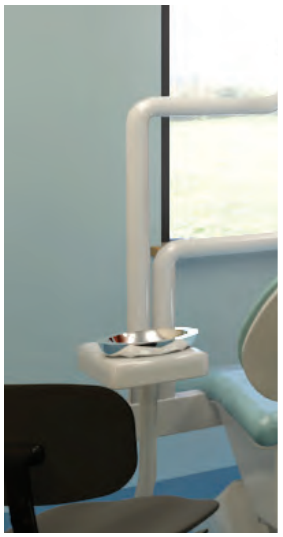
ADAPTIVE RENOVATION

Yaeger Architecture Inc. was the KEY CONSULTANT for this design-bid-build project providing project management, architecture, interior and sustainable design for this whole building adaptive renovation from a vacant elementary school to a General Instruction Building to provide administrative and instructional space for the base. The space will be shared between JBLM's Department of Public Works Environmental Division (DPW-ED) and JBLM's Comprehensive Soldier and Family Fitness Training Center (CSF2).

WAREHOUSE STUDY

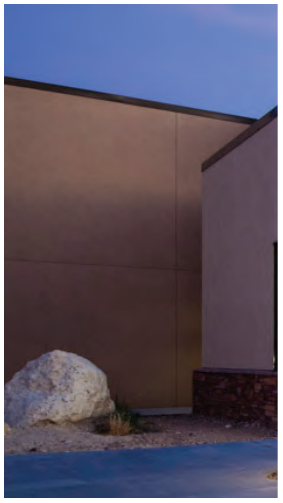
Yaeger Architecture was the KEY CONSULTANT for this comprehensive assessment of the current state of the B121 Warehouses and through extensive master planning with government stakeholders provided potential courses of action for future investment. The B121 Warehouse Complex consists of 7 larger warehouses and 2 small warehouses, est. at ~750,000 SF in total, that were built in the 1940's. This study contains conceptual detailing and evaluation of warehouse automation, material handling equipment, shipping & receiving, and truck staging areas for each of the 3 different potential options.

DENTAL CLINIC ADDITION



This Design-Build project consists of a 6,300 square foot addition to the existing Roll Dental Clinic at Fort Leonard Wood to meet the increasing dental need of the active duty and trainee population. In addition to the new wing, 540 square feet of existing space was remodeled for staff support space. The renovated portion includes a new men's and women's bath/shower room that replaces the decontamination room in the existing facility. The sterilization room was also replaced by a new clean linen storage room, while the existing clean utility room became a new soiled utility room. The project achieved LEED Silver Certification.

VISITOR CENTER



Yaeger Architecture was selected to provide architectural services as part of a design-build team. Located just a few miles from Death Valley, California, the net zero Ash Meadows Refuge is an oasis in the desert. Underground springs support a unique assortment of wildlife and plant species. The visitor center is designed to house not only administrative functions for the refuge, but also visitor interpretive exhibits. The building blends into the desert landscape and takes advantage of the abundant sunshine through the use of on-site photovoltaic arrays. A network of elevated walkways connects the visitor center to the natural features of the reserve.

EISENHOWER HALL

Yaeger was the architect for the design of a complete remodel of Building 120 Eisenhower Hall at Fort Leavenworth. The building is a dual facility comprised of a General Instructional Facility (GIF) and a Combined Arms Research Library (CARL). Steady increases in computer equipment loads in this library/classroom complex had exceeded the power and cooling capacities of the facility. A Federal mandate to improve building energy performance of new and renovated buildings by 40% under the ASHRAE 90.1-2001 Standards, afforded an opportunity to recover capacity to power technology needs and cool the building. A hybrid geothermal 240-well heat exchange system / central plant system was selected to achieve this goal. This project complies with both EPACT 2005 and the Energy Independence and Security Act of 2007.

Fort Leonard Wood, MO | Cost: $4.2 M | Size: 6,300 SF addition, 540 SF renovation

Field Station in the Desert National Wildlife Refuge, NV | Cost: $8.9 M

Fort Leavenworth, KS | Cost: $37 M | Size: 264,000 SF

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