**CLARK • NEXSEN**
*Architecture & Engineering*

*February 22, 2011*

Ms. Tara Lyle
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305-0130

RE: DEFK11026 – MAINTENANCE COMPLEX FOR THE COONSKIN PARK AREA

Dear Ms. Lyle and Members of the C&FMO Selection Committee:

Clark Nexsen is pleased to submit this Expression of Interest to provide A/E design services for a Maintenance Complex for the Coonskin Park Area at the Charleston Armory Complex. Our firm has extensive experience with similar projects and believes we can offer a unique degree of expertise to the West Virginia Army National Guard throughout all phases of the project.

Clark Nexsen is a full-service firm, offering architecture, engineering, planning, landscape architecture, and interior design. We believe that there is value in having these multi-disciplined services available for an integrated design solution. In addition, Clark Nexsen has made a commitment to promoting sustainable design on all of our projects. As a firm, we have over **180 LEED Accredited Professionals** who ensure that sustainable design elements are incorporated into every project. In addition to our in-house team, we are offering the services of local consultant engineers, Anderson Associates, Inc., who will provide site/civil design services. Our experience in the design of similar maintenance facilities includes the following:

- **Unit Operations Tactical Equipment Maintenance Facilities (TEMF) Complex,** Fort Campbell, KY
- **Truck Company Maintenance/Operations Complex,** MCB Camp Lejeune, NC
- **Fleet Readiness Center Maintenance Facility,** MCAS New River, NC
- **Brigade Team 2 Complex (6 TEMFs),** Fort Campbell, KY
- **Vehicle Maintenance Facility,** Little Creek Amphibious Base, Norfolk, VA
- **108th Air Defense Artillery TEMF Complex,** Fort Bragg, NC
- **C-40 Aircraft Maintenance Hangar,** Naval Station Oceana, Virginia Beach, VA
- **Repairs to Missile Maintenance Test Facility,** Yorktown, VA

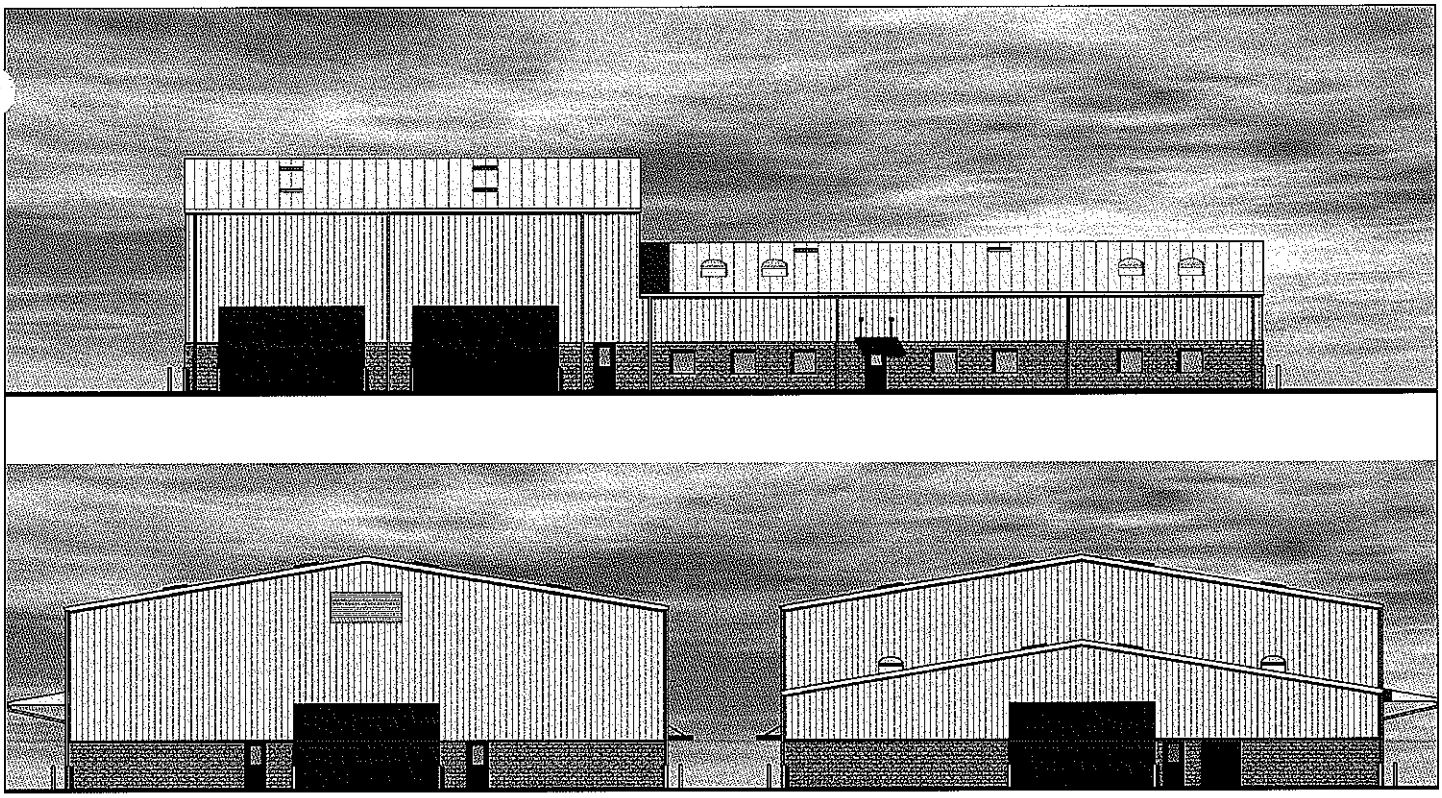
The professionals proposed for this project team have vast experience with government projects, including providing site design and design of maintenance facilities. They are dedicated to providing high quality, personalized service to the West Virginia Army National Guard. Our goal is to consistently exceed your expectations throughout all phases of the project.

We trust that the following submittal will provide information sufficient to identify Clark Nexsen as a resource for the West Virginia National Guard. If any additional information is needed, we will be glad to provide it at your request. We look forward to hearing from you soon.

Sincerely,

**CLARK•NEXSEN**

W. Lee Hopson, Jr., PE, LEED AP
*Principal-In-Charge*



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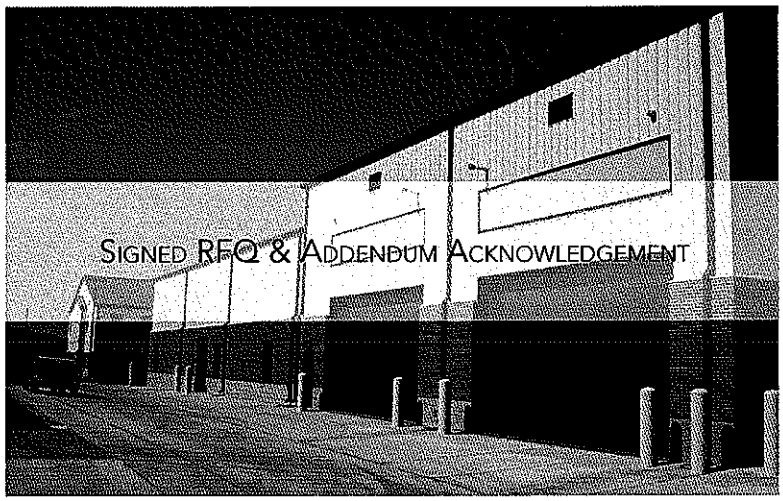
SIGNED RFQ & ADDENDUM ACKNOWLEDGEMENT

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

# Request for Quotation

| RFQ NUMBER | PAGE |
|---|---|
| DEFK11026 | 1 |

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

Clark Nexsen
213 South Jefferson, Suite 1011
Roanoke, VA 24011

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|---|---|---|---|---|
| 01/12/2011 | | | | |

BID OPENING DATE: 02/24/2011 BID OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|---|---|---|---|---|---|
| 0001 | 1 | JB | | 906-00-00-001 | | |

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

EXPRESSION OF INTEREST (EOI)

THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR A MAINTENANCE COMPLEX FOR THE COONSKIN PARK AREA AT THE CHARLESTON ARMORY COMPLEX, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.

TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO TARA LYLE VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT TARA.L.LYLE@WV.GOV.

DEADLINE FOR ALL TECHNICAL QUESTIONS IS 02/07/2011 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.

CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICE

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| SIGNATURE | TELEPHONE | DATE |
|---|---|---|
| | 704.377.8800 | 2/22/2011 |

| TITLE | FEIN | ADDRESS CHANGES TO BE NOTED ABOVE |
|---|---|---|
| Senior Vice President | 54-0613222 | |

WHEN RESPONDING TO RFQ. INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

# GENERAL TERMS & CONDITIONS
# REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

**1.** Awards will be made in the best interest of the State of West Virginia.

**2.** The State may accept or reject in part, or in whole, any bid.

**3.** Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required $125 fee.

**4.** All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.

**5.** Payment may only be made after the delivery and acceptance of goods or services.

**6.** Interest may be paid for late payment in accordance with the ***West Virginia Code.***

**7.** Vendor preference will be granted upon written request in accordance with the ***West Virginia Code.***

**8.** The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

**9.** The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.

**10.** The laws of the State of West Virginia and the ***Legislative Rules*** of the Purchasing Division shall govern the purchasing process.

**11.** Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.

**12. BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.

**13. HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at **www.state.wv.us/admin/purchase/vrc/hipaa.htm** and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

**14. CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.

**15. LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**16. ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

## INSTRUCTIONS TO BIDDERS

**1.** Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.

**2.** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.

**3.** Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.

**4.** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

**5.** Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

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

# Request for Quotation

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| DEFK11026 | 2 |

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR

RFQ COPY
TYPE NAME/ADDRESS HERE
Clark Nexsen
213 South Jefferson, Suite 1011
Roanoke, VA 24011

SHIP TO

DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

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BID OPENING DATE: 02/24/2011 BID OPENING TIME 01:30PM

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SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.

BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.

NOTICE

A SIGNED BID MUST BE SUBMITTED TO:

DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
BUILDING 15
2019 WASHINGTON STREET, EAST
CHARLESTON, WV 25305-0130

THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:

SEALED BID

BUYER:----------TL/32----------

RFQ. NO.:----------DEFK11026----------

BID OPENING DATE:----------02/24/2011----------

BID OPENING TIME:----------1:30 PM----------

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| SIGNATURE | TELEPHONE | DATE |
|---|---|---|
| | 704.377.8800 | 2/22/2011 |

| TITLE | FEIN | ADDRESS CHANGES TO BE NOTED ABOVE |
|---|---|---|
| Senior Vice President | 54-0613222 | |

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

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Purchasing Division
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PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:

704.358.1037

CONTACT PERSON (PLEASE PRINT CLEARLY):

Peter J. Aranyi, AIA, Principal, Senior Vice President

****** THIS IS THE END OF RFQ DEFK11026 ****** TOTAL:

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE [signature] TELEPHONE 704.377.8800 DATE 2/22/2011

TITLE Senior Vice President FEIN 54-0613222 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

RFQ No. DEFK11916

STATE OF WEST VIRGINIA
Purchasing Division

# PURCHASING AFFIDAVIT

**West Virginia Code §5A-3-10a states:** No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**DEFINITIONS:**
"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (***West Virginia Code*** §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

**WITNESS THE FOLLOWING SIGNATURE**

Vendor's Name: CLARK NEXSEN

Authorized Signature: _____ Date: 2/21/11

State of North Carolina

County of Mecklenburg, to-wit:

Taken, subscribed, and sworn to before me this 21st day of February, 2011.

My Commission expires September 13, 2012

**AFFIX SEAL HERE** ANGELIQUE M HUDSON
NOTARY PUBLIC
MECKLENBURG COUNTY
NORTH CAROLINA

**NOTARY PUBLIC** Angelique M Hudson

State of West Virginia
Department of Administration
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ADDENDUM NO. 1

1. QUESTIONS AND ANSWERS ARE ATTACHED.
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.

EXHIBIT 10

REQUISITION NO.: DEFK11026

ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

ADDENDUM NO.'S:

NO. 1 ..X...

NO. 2 .....

NO. 3 .....

NO. 4 .....

NO. 5 .....

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| SIGNATURE | TELEPHONE | DATE |
|---|---|---|
| | 704.377.8800 | 2/22/2011 |

| TITLE | FEIN | ADDRESS CHANGES TO BE NOTED ABOVE |
|---|---|---|
| Senior Vice President | 54-0613222 | |

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VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

SIGNATURE

Clark Nexsen
COMPANY

February 22, 2011
DATE

NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.

REV. 09/21/2009

END OF ADDENDUM NO. 1

| | | | | | | |
|---|---|---|---|---|---|---|
| 0001 | 1 | JB | | 906-00-00-001 | | |

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

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# Past Experience with Similar Projects

## Ranger Special Troops Battalion SOF Battalion Complex & TEMF Facilities - Fort Benning, Georgia

**Construction Cost**
$26,800,000

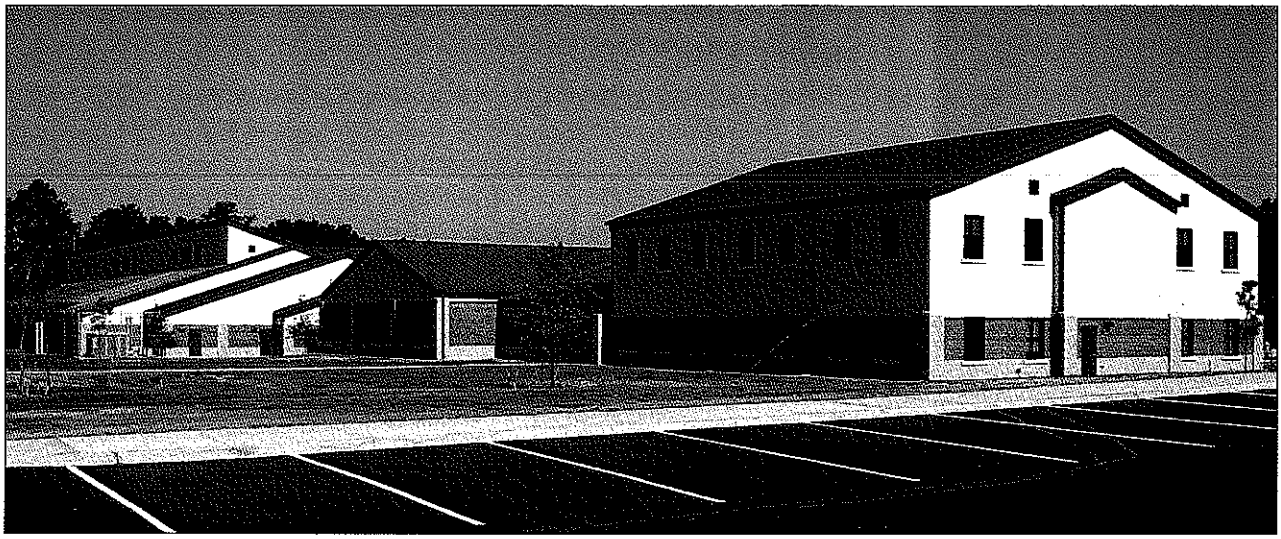
**Size**
Battalion HQ: 23,700 SF
Company Operations Facility: 49,500 SF
Tactical Equipment Maintenance Facility: 11,800 SF

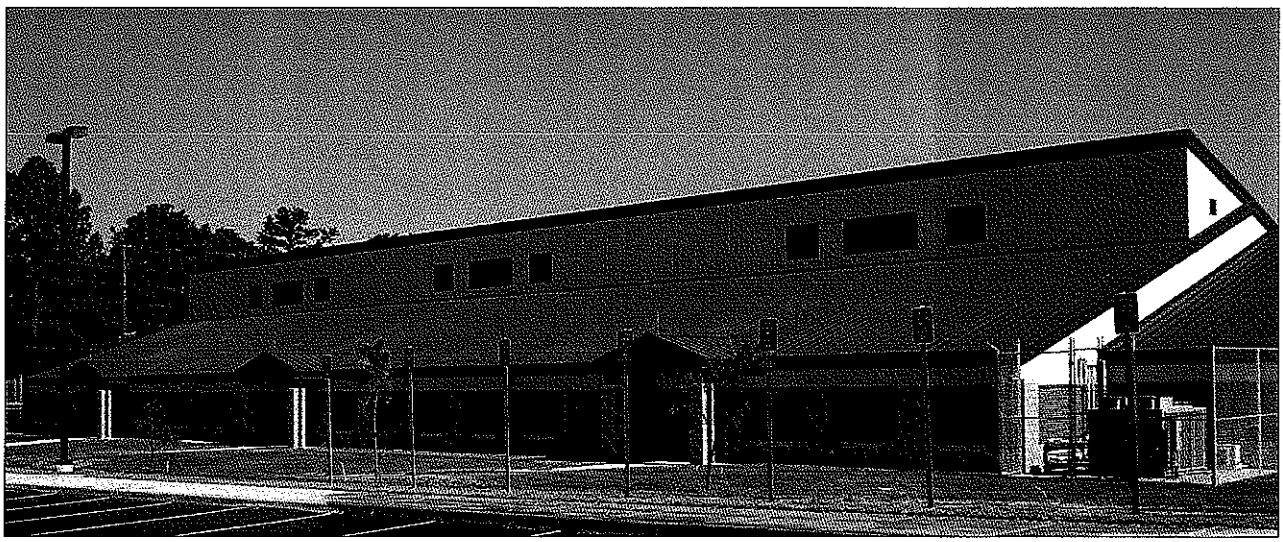
**Completion Date**
June 2010

**Client**
ACC Construction Company, Inc.

**Owner**
U.S. Army Corps of Engineers, Savannah District

This project is for the Design-Build construction of three new buildings at Fort Benning: 23,700 SF Battalion Headquarters that provides space for administrative and command operations; 49,500 SF Company Operations Facility to accommodate administrative operations and store supplies; and 11,800 SF Tactical Equipment Maintenance Facility for maintaining and repairing vehicles. Concrete paving with covered canopies as well as asphalt paving and landscaping are a part of this complex. The sight posed very tight conditions for construction and material storage alongside the fact the existing troop operations were ongoing on all sides. Proper coordination between Clark Nexsen, ACC and the user was a must in regards to utility outages, utility renovations and personnel access. There were also very stringent erosion control and environmental requirements that must be complied with and properly documented. This project was designed to LEED Silver standards.





## Grow the Force - Unit Operations TEMF Complex - Fort Campbell, Kentucky

**Construction Cost**
$16,520,000

**Completion Date**
February 2011 (est.)

**Client**
ACC Construction Company, Inc.

**Owner**
U.S. Army Corps of Engineers, Louisville District

**Owner Contact**
Bob Ott
270.798.9465
robert.l.ott@usace.army.mil

Delivered via Design-Build, these Tactical Equipment Maintenance Facilities support the 326th Engineering Battalion by providing facilities for the maintenance and repair of vehicles, including equipment, parts, and materials storage. Buildings on site include one medium TEMF (ENGR OPS TEMF) and one small TEMF (SAPPER TEMF).

Other buildings on site are comprised of organizational storage, POL storage and hazmat storage. The site is located within Fort Campbell, at the intersection of A Shau Valley Road and 38th Street.

The site for the two TEMF facilities was designed in accordance with minimum Anti-Terrorism Force Protection Standards (ATFP), UFC 4-010-01. The SAPPER TEMF has a building occupancy of 14 occupants and a standoff distance of 33 feet. The ENGR OPS TEMF has a building occupancy of 36 occupants and a standoff distance of 33 feet. Both TEMF buildings have the ATFP building category of inhabited. An ATFP setback distance is not required between road/POV parking lot pavements and the Organizational Storage building because it has the category of un-inhabited. The site is enclosed by a 7' high chain link with 3-strand barbed wire outrigger security fence. A 30' wide clearance zone is around the fence as well. The clearance zone consists of gravel and is clear of shrubs and trees.

Parking for the organizational vehicle hardstand area is located on a rigid concrete area. The vehicle loading consists of government owned wheeled and heavy tracked vehicles, commercial vehicles (Contractor support), and trailers and generators. The site layout includes a TEMF apron measuring 45' on all four sides with a 20' wide circulation lane on the outside of the TEMF apron. Final design and construction of these facilities met LEED Silver certification qualifications and standards.

## Repairs for the Missile Maintenance Test Facility - Yorktown, Virginia

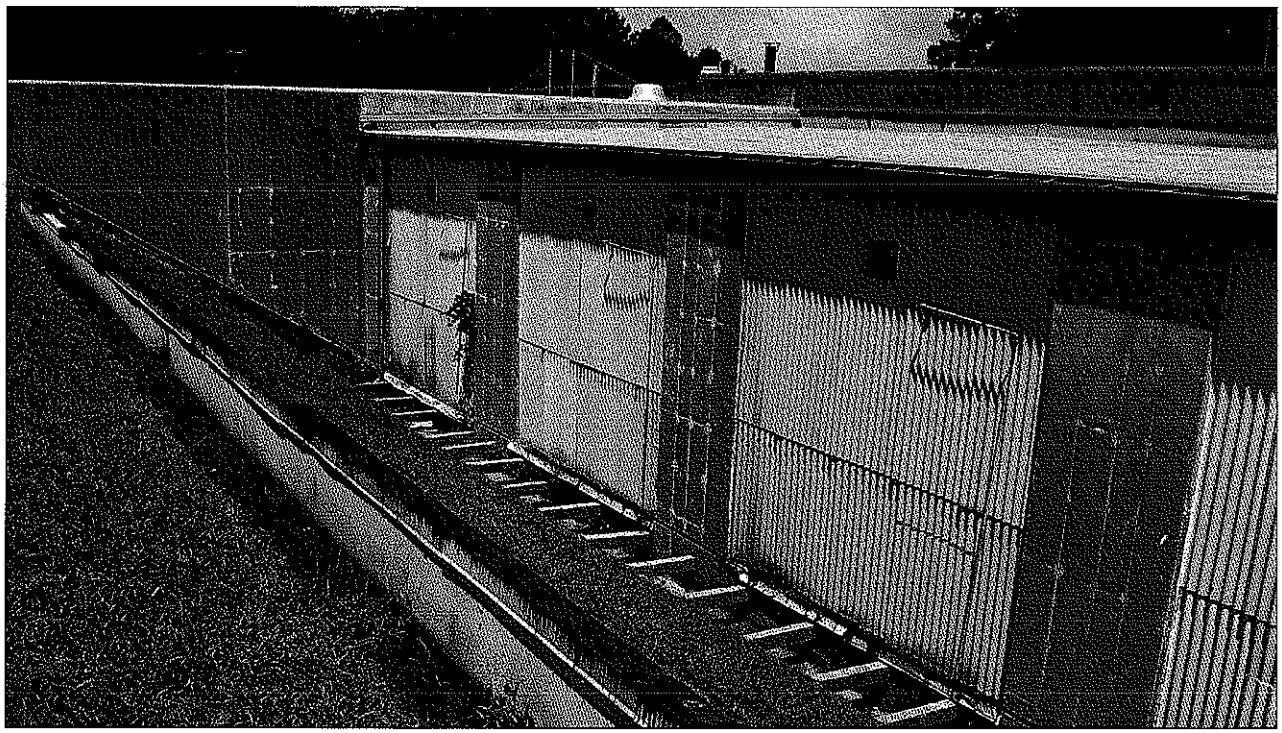
**Construction Cost**
$4,477,900

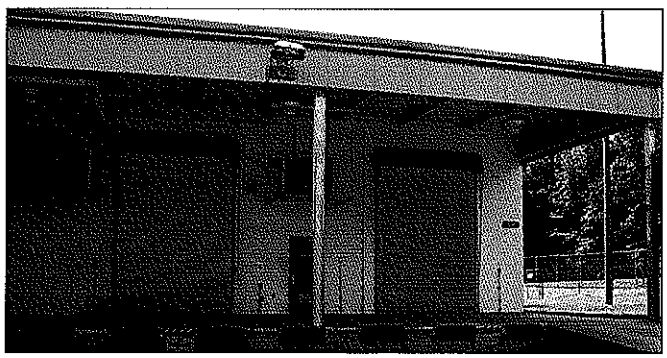
**Completion Date**
July 2011 (est.)

**Client**
Bay Electric Co., Inc.

**Owner**
Naval Facilities Engineering Command, Mid-Atlantic

This Design-Build project provided many repairs to Building 1595 at Yorktown Naval Weapons Station including replacement of existing exterior doors; replacement of the modified bitumen roof system including insulation, gutters and downspouts, flashing, gravel stops; and replacing the existing roof ladders with safety-cage ladders and all associated hardware. The earth-covered roofing system on the missile test bay was replaced and the entrance gate was modified. This project required removal of transite siding and lead based paint; repainting of the underside of the tectum roof deck and exposed steel joists; painting of all roof access ladders, stairs, platform and ramp guard railings; coating of CMU block walls and cast-in-place concrete walls. Interior renovations include reconfiguring offices and painting interior surfaces. The existing emergency generator, switchgear and underground storage tanks were replaced. Earth work re-shaped slopes to allow proper storm drainage from the building. A natural gas supply line was installed and one existing oil fired boiler was converted to natural gas.





## Unit Maintenance TEMF Complex - Fort Campbell, Kentucky

**Construction Cost**
$14,200,000

**Completion Date**
November 2010

**Client**
ACC Construction Company, Inc.

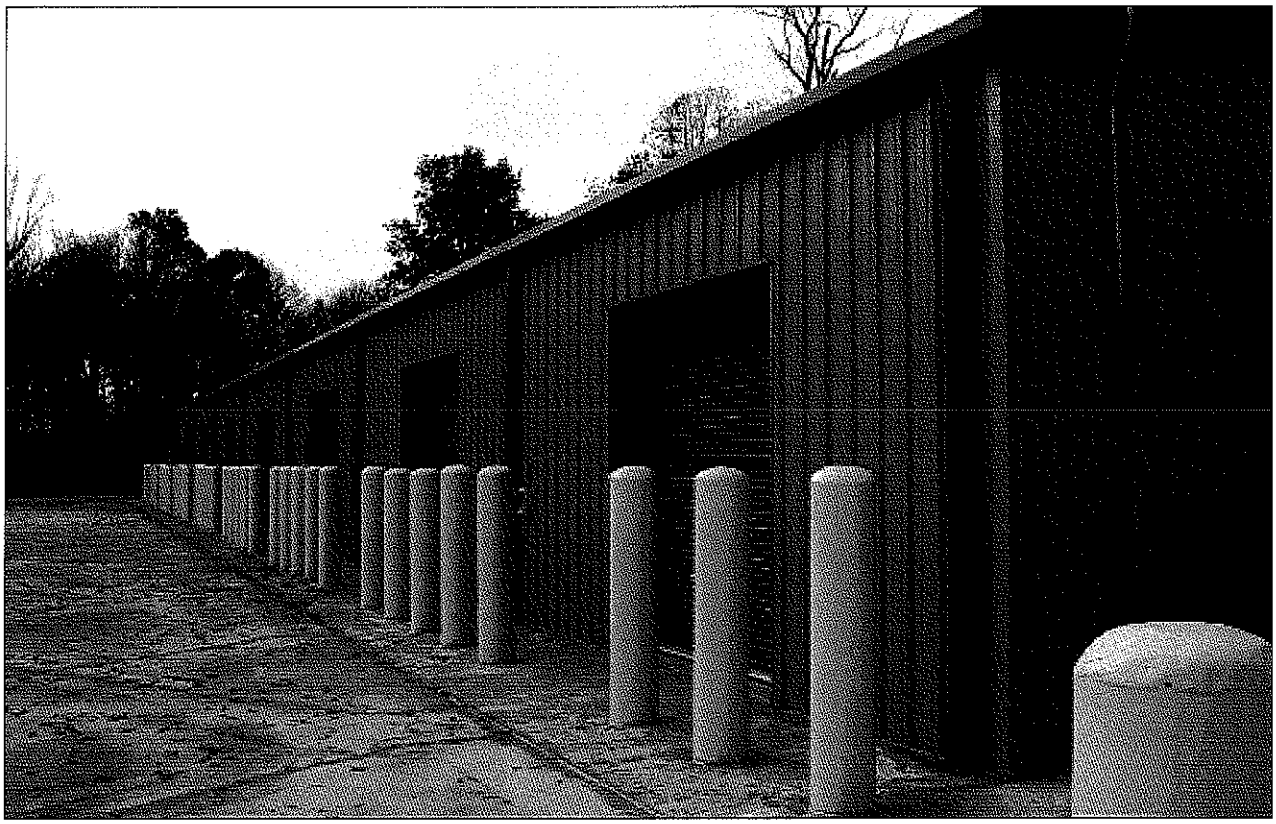
**Owner**
U.S. Army Corps of Engineers, Louisville District

**Owner Contact**
John Reed
270.798.3665
john.l.reed@usace.army.mil

Delivered via Design-Build, the Tactical Equipment Maintenance Facilities (TEMF) support two battalions by providing facilities for the maintenance and repair of vehicles, including equipment, parts and materials storage. Buildings on site include two small TEMF buildings (Transportation Company and Hospital Company). Other buildings on site are comprised of organizational storage, POL storage, and hazmat storage.

The TEMF buildings were constructed as pre-engineered metal buildings (PEMB) founded on concrete spread footings with concrete slabs on grade. The PEMB structure allows for large open bays without columns hindering interior mobility/storage. A significant design feature for all of the buildings was overhead doors for loading in/out of the facility with bollards to protect openings from vehicular damage. The lower portions of exterior walls of the buildings were constructed of CMU with full height brick veneer for durability. The roofs of all buildings are structural standing seam metal roof panels. Exterior fenestration is insulated performance glass in aluminum frames. POL and Hazardous Waste storage buildings are load bearing concrete masonry with light gauge steel truss roof structure and PEMB metal panel clad roof and walls. The Organizational storage building is PEMB with metal roofing and wall panels.

The overall site was designed for vehicular traffic around the structures for vehicle access to the many building entry points, as well as providing ample access for loading/unloading to the site storage buildings. Final design and construction of these facilities met LEED Silver certification qualifications and standards.



## C-40 Aircraft Maintenance Hangar - Naval Station Oceana, Virginia Beach, Virginia

**Construction Cost**
$15,218,200

**Size**
61,117 SF

**Completion Date**
March 2012 (est.)

**Client**
Hourigan Construction Corp.

**Owner**
Naval Facilities Engineering Command, Mid-Atlantic

Clark Nexsen, working in a Design-Build relationship with Hourigan Construction Corp., is currently designing the P837 C-40 Aircraft Maintenance Hangar at Naval Station Oceana in Virginia. This new, 61,117 SF aircraft hangar consists of a steel frame building with a metal roof over steel construction. The hangar has space for maintenance support areas, operational, administrative, support areas, and warehouse space. The interior finishes will be functional, durable and will be selected for their limited maintenance requirements and sustainable characteristics. Many spaces will serve a utilitarian purpose and the corresponding finishes will be industrial grade. The administrative and other office spaces will be outfitted with finishes of a higher aesthetic value to offer a pleasing visual and acoustical comfort. Many areas of this facility will be in continual operation making the anticipated longevity of the selected finishes of critical importance.

The hangar design includes screw type piles with spread foundation, structural floor, and a metal roof over steel construction. The hangar will have space for maintenance support areas, operational, administrative, support areas, and warehouse space. The hangar is protected by an AFFF fire suppression system and overhead sprinkler system. Also included in this project is the installation of utilities such as sewer, water, electric and natural gas, security lighting, intrusion detection, communications systems, local area network, and associated paving, parking and site improvements. The Design-Build team is committed to designing and constructing this project to achieve, at a minimum, a LEED-NC v2.2 Silver rating, as stipulated by the U.S. Green Building Council.

## Grow the Force Unit Maintenance Facilities - Ph B Battalion HQ - Fort Campbell, Kentucky

**Construction Cost**
$ 5,500,000

**Size**
17,979 SF

**Completion Date**
2011

**Contractor**
Bay Electric Co., Inc.

**Owner**
U.S. Army Corps of Engineers, Savannah District

This project included the 108th ADA 3/4th Brigade Tactical Equipment Maintenance Facilities with a Standard Large Vehicle Maintenance Shop 57,031 SF with a concrete hardstand of 57,480 SY and an Organizational Storage building of 8,400 SF. The 108th ADA 1/7th Brigade Tactical Equipment Maintenance Facilities with a Standard Large Vehicle Maintenance Shop 57,031 SF with a concrete hardstand of 46,889 SY and an Organizational Storage building of 5,950 SF.

A Distribution Company Storage Warehouse of 8000 SF will also be provided adjacent to this facility with a concrete hardstand of 18,683 SY. The 108th ADA Brigade Level Tactical Equipment Maintenance Facilities with a Standard Small Vehicle Maintenance Shop 18,000 SF with a concrete hardstand of 13,472 SY and an Organizational Storage building of 1,750 SF.

## Fleet Readiness Center Maintenance Facility - MCAS New River, North Carolina

**Construction Cost**
$5,800,000

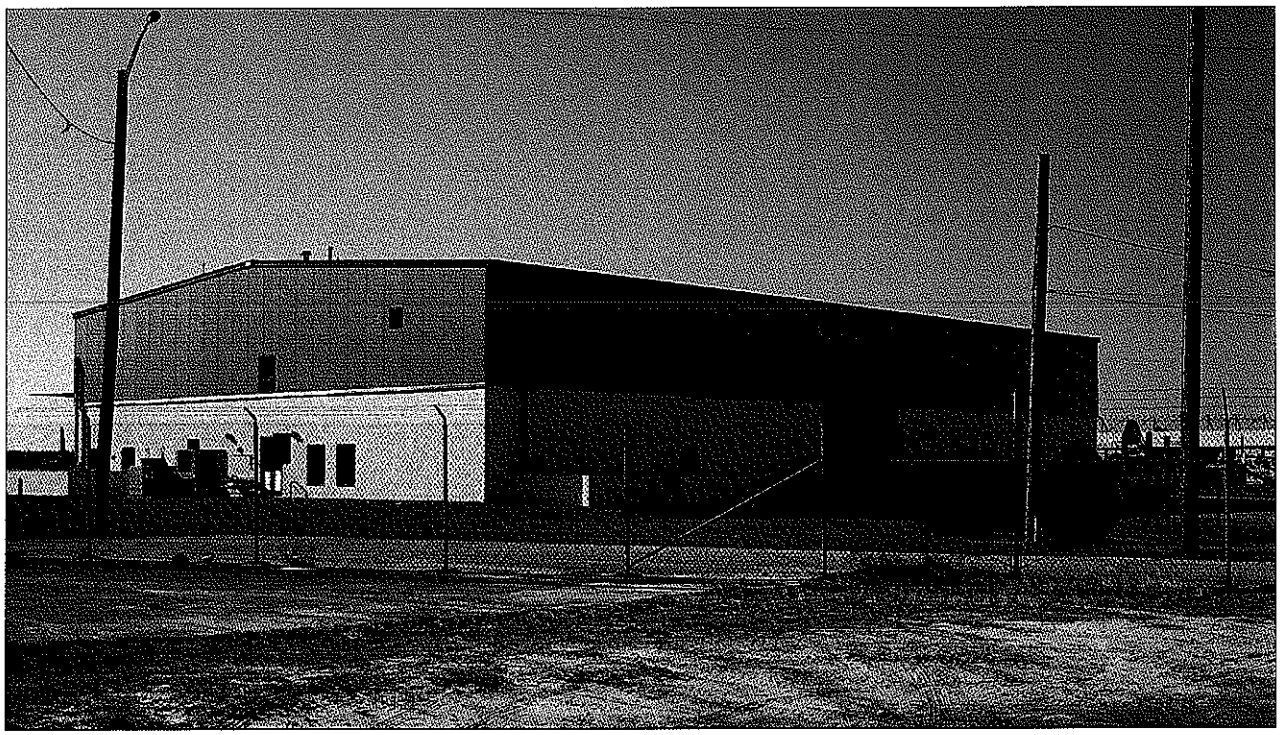
**Size**
16,000 SF

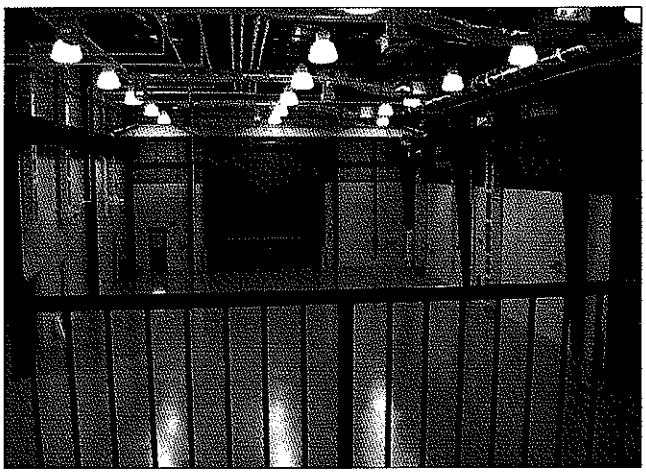
**Completion Date**
2009

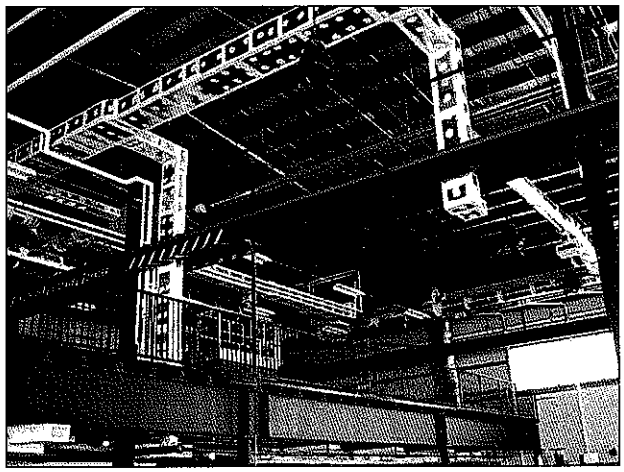
**Client**
Bay Electric Co., Inc.

**Owner**
Naval Facilities Engineering Command, Mid-Atlantic

This project is a single-story, depot level maintenance facility to provide work spaces in support of the establishment of the Fleet Readiness Center East Site at MCAS New River. Work spaces include shop areas for aircraft sturctural components, metal components, non metal components, dynamic components, hydraulic components, and material staging/storage. Site preparation included excavation, fill, pavement, access roadway, and storm water removal.







## Truck Company Maintenance/Operations Complex - MCB Camp Lejeune, North Carolina

**Construction Cost**
$10,063,402

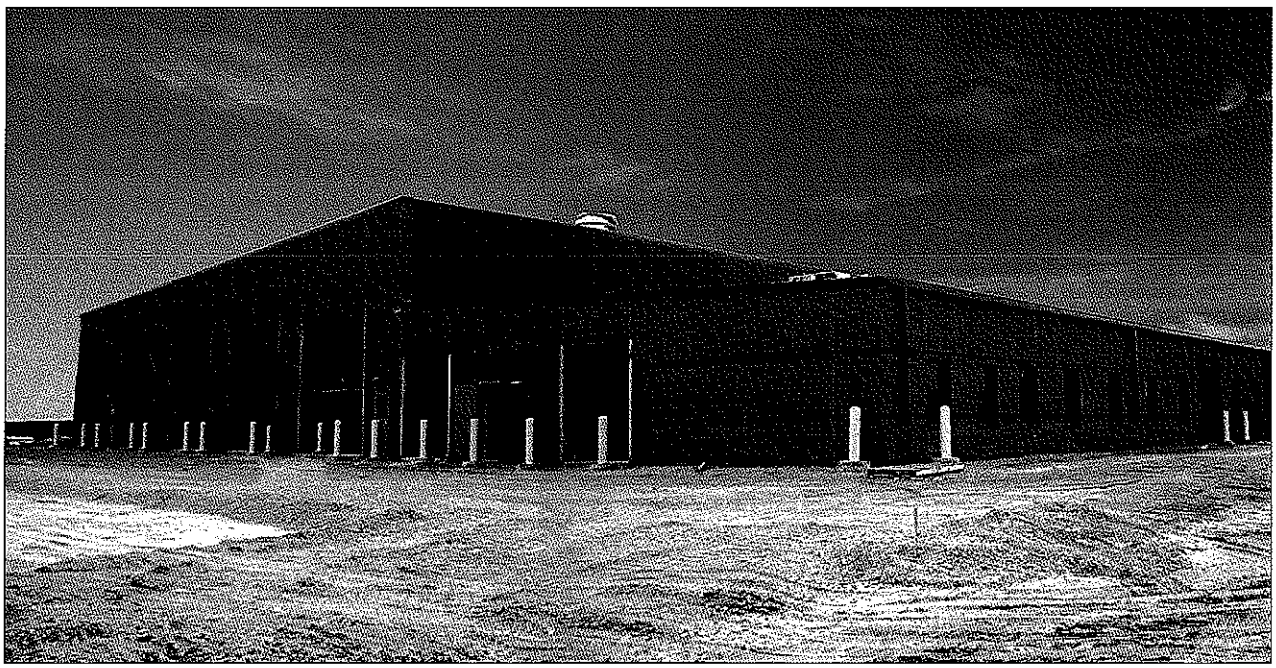
**Size**
20,665 GSF

**Completion Date**
January 2010

**Client**
Bay Electric Co., Inc.

**Owner**
Naval Facilities Engineering Command, Atlantic

Clark Nexsen teamed with Bay Electric to design and construct a truck company maintenance operations complex, which provides administrative, training and maintenance support for the Marine Corps Truck Company at Camp Lejeune. The building provides office, classroom and eight service bay spaces. Construction included drive-through equipment maintenance bays, a battery charging room, tool storage, parts storage, administrative space, classroom space, showers and lockers, and weapons storage/clearing area. Site and paving improvements included landscaping, sidewalks, parking and access driveways, roadway directional and operational signs, security fencing, and storm water management retention pond. The project also includes Technical Operating Manuals, Anti-Terrorism Force Protection features, and necessary environmental mitigation.



## Brigade Team 2 Complex - Fort Campbell, Kentucky

**Construction Cost**
$45,448,655

**Completion Date**
July 2010

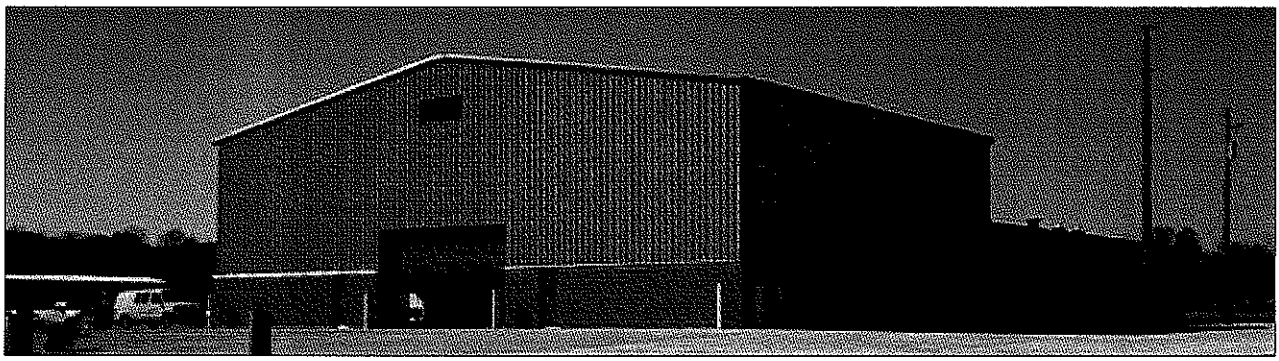
**Client**
ACC Construction Company, Inc.

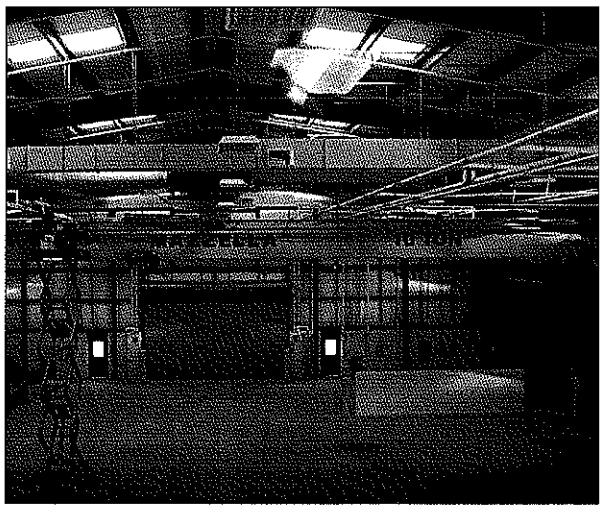
**Owner**
U.S. Army Corps of Engineers, Louisville District

**Owner Contact**
T. Minh Doan
270.412.7113
tuyen.m.doan@usace.army.mil

Completed via Design-Build, this project included six Tactical Equipment Maintenance Facilities (TEMFs) and support buildings for hazardous waste storage as well soldier equipment storage. TEMF facilities provide industrial space for the maintenance and repair of vehicles including equipment, parts storage, and administration spaces. Combined, these TEMFs encompass more than 200,000 SF of warehouse space.

All TEMF buildings are pre-engineered and include bridge cranes and maintenance pits. Buildings include administrative, secure storage and training spaces. Supporting facilities included utilities; electric service; exterior and security lighting; fire protection and alarm systems; security fencing and gates; water; gas; sewer; oil water separators; storm drainage and site improvements. Accessibility for individuals with disabilities was provided. Also included in the project is approximately 1.2 million SF of concrete paving. ATFP measures were also included in the design of the facilities. Final design and construction of these facilities met LEED Silver certification qualifications and standards.





## Vehicle Maintenance Facility - Little Creek Amphibious Base, Norfolk, Virginia

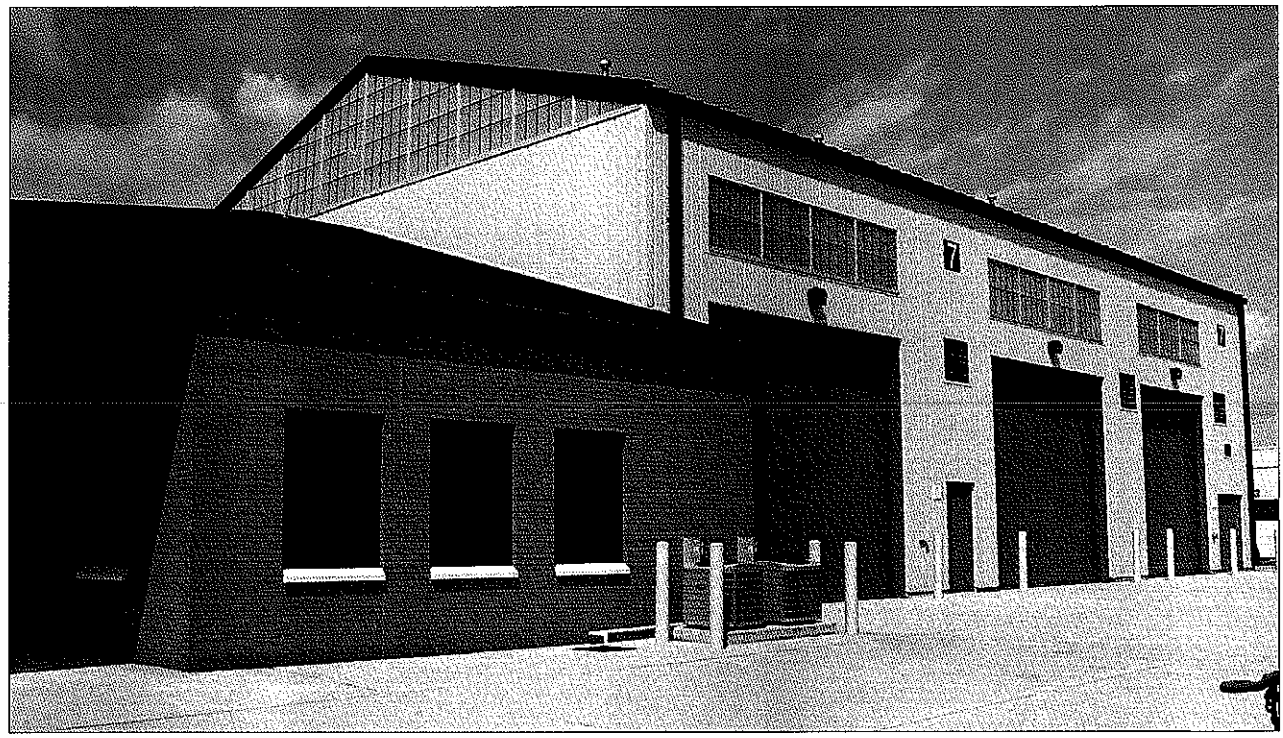
**Construction Cost**
$2,840,000

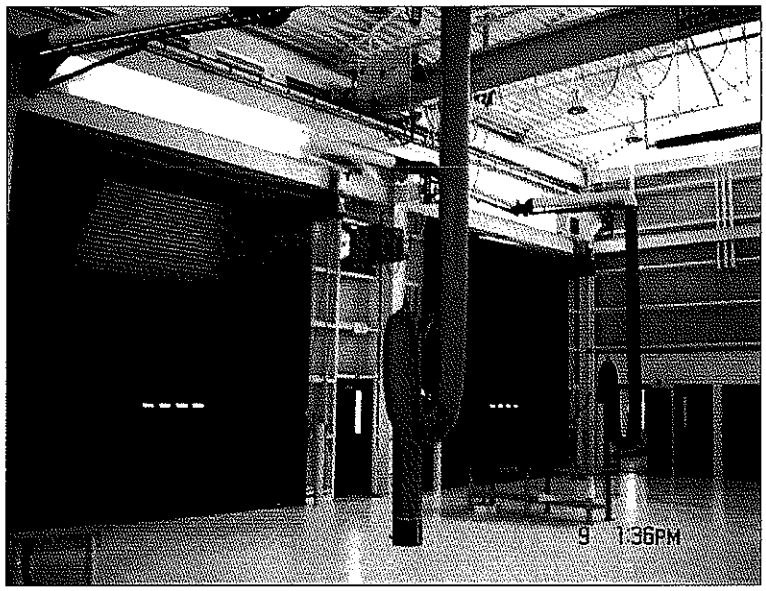
**Completion Date**
2007

**Client**
Hourigan Construction Corp.

**Owner**
Naval Facilities Engineering Command, Mid-Atlantic

Clark Nexsen partnered with Hourigan Construction for this new Design-Build vehicle maintenance facility project that consisted of a one-story, 6,857 SF structure with pile supported foundation, brick veneer, metal roofing system and overhead coiling doors. Included in the design was a built-in 7.5 ton bridge crane, tool room, parts room, additional storage space, deluge shower and eyewash, administrative office space, built-in vehicle exhaust system, hazmat storage, lube oil distribution system, utilities, telecommunications, LAN, HVAC, security lighting, perimeter fencing, and paved parking area.






## 108th Air Defense Artillery TEMF Complex - Fort Bragg, North Carolina

**Construction Cost**
$33,000,000

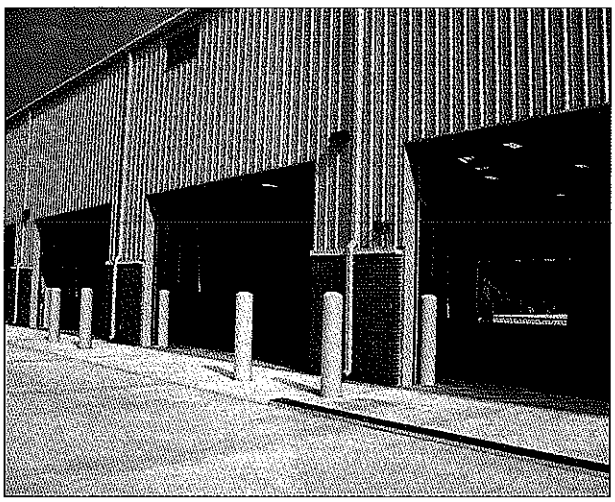
**Size**
56,450 SF

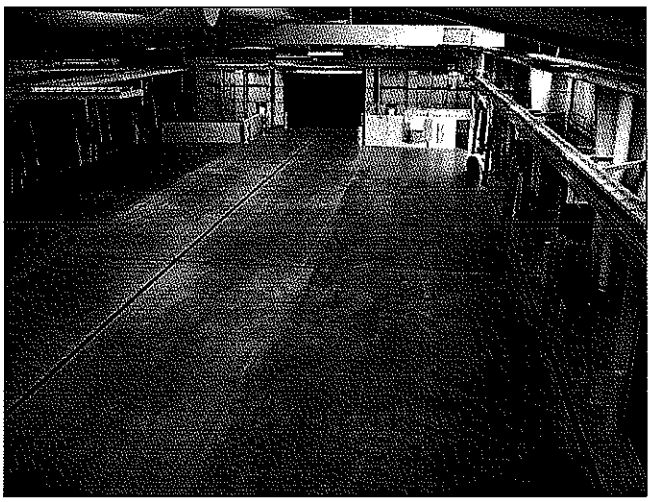
**Completion Date**
2010

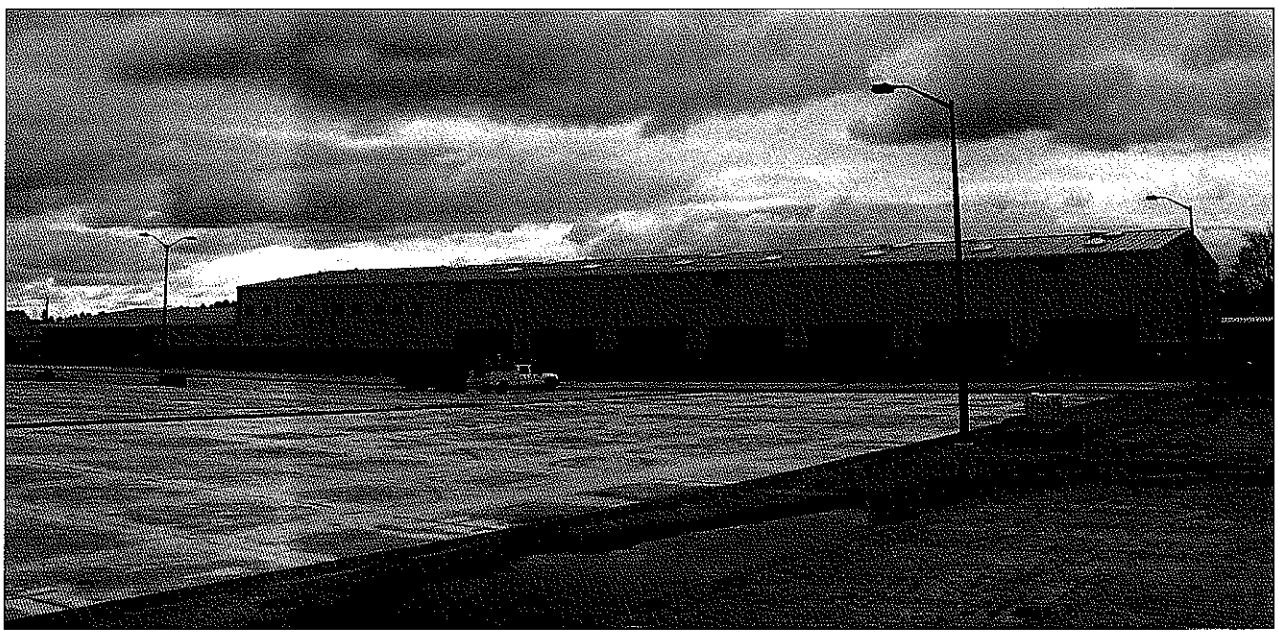
**Client**
ACC Construction Company, Inc.

**Owner**
U.S. Army Corps of Engineers, Savannah District

The 108th Air Defense Artillery Complex 3-4 TEMF is the first execution of the "large" prototype design developed by the USACE Center of Standardization. At 56,450 SF it contains 54 maintenance and repair areas with the associated Vehicular Exhaust and POL Distribution Systems. A ten ton bridge crane spans over all the repair areas. In addition to the maintenance support functions on the first floor, there is a 10,100 SF administration area on the second floor overlooking the repair bays. The adjacent 56,480 SY concrete hardstand provides parking for 525 "mission" vehicles and includes underground power and communications infrastructure for connection to the tactical vehicles. Completing the TEMF complex is an Organizational Storage Facility, a Distribution Company Storage Warehouse, a Hazardous Waste Storage Building and a POL Storage Building. The TEMF Building is being constructed to achieve LEED Silver Certification.








PROJECT TEAM

## Project Team Organization

We have assembled an experienced project team from our Roanoke and Norfolk offices that integrates the best in architecture, civil engineering, mechanical engineering, electrical engineering, structural engineering, sustainability, fire protection engineering, and construction administration with a focus on military maintenance facilities.

# West Virginia Army National Guard Maintenance Complex for the Coonskin Park Area

CLARK•NEXSEN
*Architecture & Engineering*

### PROJECT LEADERSHIP

**Principal-In-Charge**
Lee Hopson, Jr., PE, LEED AP

**Project Manager**
Robert Cummings, PE

**Programming & Conceptual Design Consultant**
LTC Bill Burkhart, United States Air Force (retired)

### DESIGN TEAM

**Lead Architect**
Bill George, AIA, LEED AP

**Interior Design**
Susan Drew, CID, IIDA, LEED AP

**Construction Administration**
David Moniot, AIA, LEED AP

**Mechanical Engineering**
Jon Dover, PE, LEED AP

**Electrical Engineering**
Scott Christopher, PE, LC, LEED AP

**Structural Engineering**
James Spady, PE, LEED AP

**Fire Protection Engineering**
Chris Born, PE, LEED AP

**Plumbing Engineering**
Larry Knight

**Landscape Architecture**
Tom Dalton, ASLA, CLA, LEED AP

**Civil Engineering** - *Anderson & Associates, Inc.*
Mary Ann Bonadeo, PE - Land Development Principal
Lance Morgan, PE - Civil Engineer
Chris Kaknis, LS - Survey Manager

**Education**
Bachelor of Science
Civil Engineering / Structural
Old Dominion University
1999

**Registration**
Professional Engineer
Virginia
Washington, DC

LEED Accredited Professional

**Years of Experience**
12

Mr. Hopson has experience as a Principal-In-Charge, project manager, and civil engineer for U.S. Army Corps of Engineers, DoD, and other Federal projects; therefore he has a solid understanding of their design and construction criteria. He has experience with preparation of DD Form 1391 documentation, plans, specifications, cost estimates, related studies, shop drawing review, as built drawing preparation, operation and maintenance support information (OMSI) and construction surveillance services during construction. He is very familiar with the preparation of cost estimates with the M-CACES cost estimating system, as well as the preparation of specifications with the SPECSINTACT system and drawings in AutoCAD. He is familiar with designing projects with sustainable features and in accordance with the U.S. Green Building Council, Leadership in Energy and Environmental Design (LEED™) Green Building Rating System.

His portfolio includes design of civil site work associated with data, information management and electronic communications facilities; military testing facilities; administration facilities; warehouses; infrastructure upgrades; and community support facilities.

## RELEVANT EXPERIENCE

**Grow the Force - Unit Maintenance Facilities, Phase C (TEMF)**
**U.S. Army Corps of Engineers,**
**Louisville District**
**Fort Campbell, Kentucky**

Delivered via Design-Build, the Tactical Equipment Maintenance Facilities (TEMF) support two battalions by providing facilities for the maintenance and repair of vehicles, including equipment, parts and materials storage. Buildings on site include two small TEMF buildings (Transportation Company and Hospital Company). Other buildings on site are comprised of organizational storage, POL storage, and hazmat storage. The TEMF buildings were constructed as pre-engineered metal buildings (PEMB) founded on concrete spread footings with concrete slabs on grade.

**Brigade Team 2 Complex**
**U.S. Army Corps of Engineers,**
**Louisville District**
**Fort Campbell, Kentucky**

Completed via design/build, this project included six Tactical Equipment Maintenance Facilities (TEMFs) and support buildings for hazardous waste storage as well soldier equipment storage. TEMF facilities provide industrial space for the maintenance and repair of vehicles including equipment, parts storage, and administration spaces. Combined, these TEMFs encompass more than 200,000 SF of warehouse space.

**CJIS Equipment Storage Facility**
**Federal Bureau of Investigation**
**Clarksburg, West Virginia**

The Equipment Storage Facility houses various maintenance and construction vehicles, as well as equipment for the Facilities Management Unit. A salt bin storage area, a wash rack, and fuel dispensing bay were also provided. The exterior enclosure of the building is comprised of uninsulated metal panels and lap seam metal roofing to match the existing adjacent Central Plant facility. The internal area of the facility is a column-free space that facilitates ease of movement for all vehicles and equipment. Improvements to the existing vehicular access road, immediately adjacent to the facility were provided to accommodate a 18-wheeler truck with a flat bed.

**Education**
Bachelor of Science
Civil Engineering
Virginia Tech
1988

**Registration**
Professional Engineer
Maryland
New Mexico
Ohio
South Carolina
Virginia
Washington, DC

**Years of Experience**
22

Mr. Cummings has more than 22 years of experience in design and construction of public works and utilities projects, as well as in construction operations, for the Federal Government, local government and private industry. His experience includes site work, utilities, storm water conveyance, GIS, and project management of numerous projects at private, local, state and federal installations around the world. Mr. Cummings has filled various positions of increased responsibility throughout his career, including construction superintendent and project manager.

RELEVANT EXPERIENCE

**Fleet Readiness Center Maintenance Facility**
**NAVFAC Mid-Atlantic**
**MCAS New River, North Carolina**

This project is a single-story, depot level maintenance facility to provide work spaces in support of the establishment of the Fleet Readiness Center East Site at Marine Corps Air Station New River. Work spaces include shop areas for aircraft sturctural components, metal components, non metal components, dynamic components, huydraulic components and material staging/storage.

**SOF Battalion Operations Complex Phase 4**
**U.S. Army Corps of Engineers,**
**Louisville District**
**Fort Campbell, Kentucky**

This project will house Battalion and Company administrative and command operations and store and move supplies and equipment. The Battalion Operations Complex consists of a Battalion Headquarters, sensitive compartmented information facility (SCIF), four company operations facilities, special forces team rooms, and mission planning areas.

**Operations Trainer Support Facility**
**NAVFAC, Atlantic**
**Dam Neck, Virginia Beach, Virginia**

This project consisted of a 23,000 SF, two-story administration, support, and warehouse addition to the existing live fire training facility. This addition contains new administration offices and a conference room on the second floor. A portion of the warehouse addition has been designed as a free-standing building located adjacent to the existing building and the attached addition.

**16th Cavalry General Instruction Complex Battalion Headquarters**
**U.S. Army Corps of Engineers,**
**Savannah District**
**Fort Benning, Georgia**

Clark Nexsen designed this new Battalion Headquarters that includes three administrative and command operations. The Battalion Headquarters includes one small (10,148-SF), one medium (11,736-SF), and one large (13,456-SF) structures. Site design includes utilities, electric service, exterior and security lighting, fire protection and alarm systems, water, gas, sewer, and minor site improvements. Accessibility for individuals with disabilities and Anti-Terrorism Force Protection measures were included in the facility design.

**TA-5 Dining Hall**
**U.S. Army Corps of Engineers,**
**Norfolk District**
**Fort Lee, Virginia**

Clark Nexsen teamed with Bay Electric to design and construct a dining facility at Fort Lee, Virginia. This project consists of designing a 75,000 SF (6,968 SM) dining facility capable of feeding 3,600 trainee soldiers per meal within 90 minutes. The design was intended to be similar to a college cafeteria facility capable of serving as a gathering place for group activities as well.

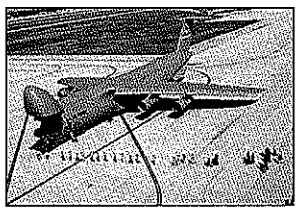
**Education**
Bachelor of Science
Landscape Architecture
West Virginia University
1973

**Professional**
Commission U.S. Army Corps of Engineers
May 1973- November 1974

West Virginia Army National Guard
January 1975 - May 1978
(Traditional Guardsmen – Commander 157 Military Police Company)

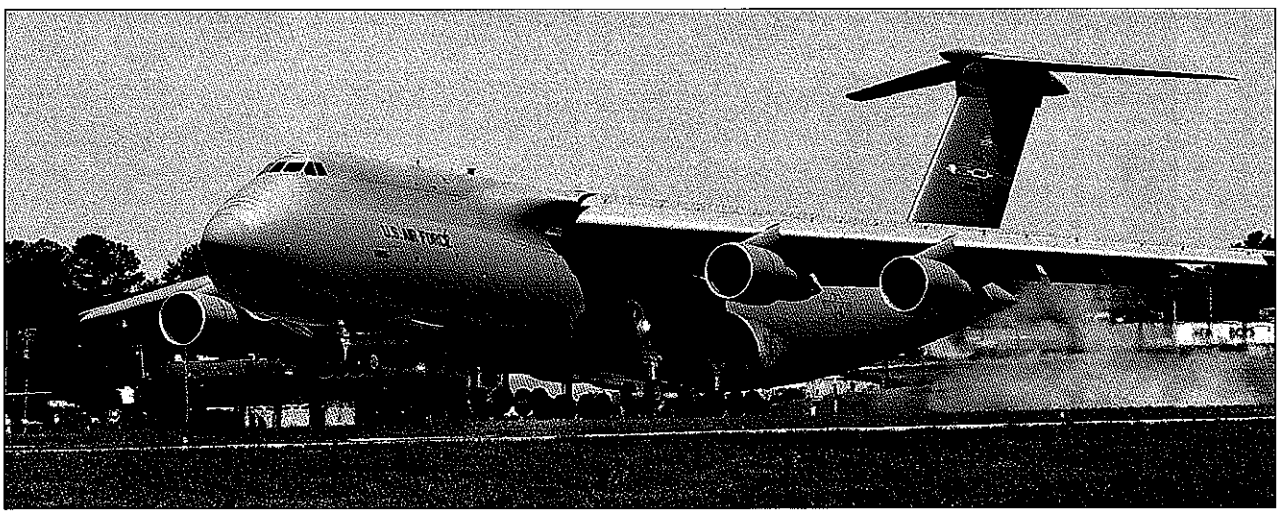
January 1975 - May 1979
P.C. DiMagno Engineers & Surveyors: Responsible for site design, utility design, subdivision design, and site planning.

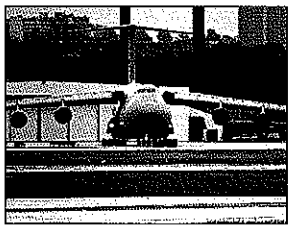
May 1979-2000
Base Civil Engineering Officer 167 Airlift Wing: Responsible for all design, construction maintenance and repair of site utilities, site grading, mechanical systems, heating and cooling systems, fire suppression and alarm systems, ramps and runways, snow removal, and environmental compliance.

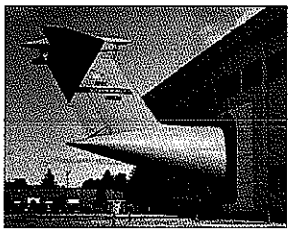


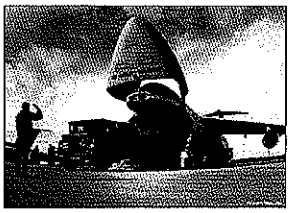
2000 - 2011- Project Engineer for 167 Airlift Wing Conversion from C-130n Hercules to C-5 Galaxy (Largest Air Frame in U.S. Air Force inventory, second largest airframe in the world). Project involved a complete rebuild of the existing Base expanding from 105 acres to 348 acres. Management of design and construction and ensured compliance with all environmental regulation for construction projects totaling $290 million in order to bed down the C-5 Galaxy. Projects consisted of:

- Environmental Assessment: Research and inventory existing conditions and analysis for proposed construction projects to include noise, water, drainage, air quality, emissions, cultural, historical, etc.
- Major Site Grading & Infrastructure Project: Design and construction of major utilities, access roads, circulation, storm water detention ponds, and main security entrance to support proposed action and future weapons systems.
- 44-Acre Aircraft Parking Apron: Consisting of eight aircraft parking spaces, associated taxiways, taxiway lighting, site grading, site drainage, site utilities, security lighting, concrete and asphalt paving, and inground hydrant refueling.
- POL refueling & Storage Area: On site JP-8 storage, pumping facility, administration and control building, refueling truck parking, Nitrogen storage, deicing fluid storage, concrete and asphalt paving, site utilities, site drainage mechanical systems, electrical systems, fire suppression and fire alarm system, and fuel containment system.
- Airfield Control Tower: 120' high control tower consisting of administration area, air traffic control area, mechanical and electrical systems, fire suppression and alarm system, site utilities, and site grading asphalt paving.
- 174,000 SF General Purpose Maintenance Hangar & Shops: Consisting of back shop maintenance areas for C-5 repair and inspections, administration area, training areas, extensive mechanical and electrical systems, high expansion foam fire suppression system, fire detection and alarm system, extensive hangar floor paving, site utilities, site grading , security fencing , security systems, and parking areas.
- 28,000 SF Fire Rescue Station: Consisting of kitchen area, training area, administration area, sleeping areas, joint security police and fire rescue command center, mechanical and electrical systems, fire suppression system fire vehicle exhaust system, storage areas, site utilities, asphalt paving , and fire vehicle parking.
- 80,600 SF C-5 Corrosion Control Hangar: Consisting of extensive concrete paving, foam wash system,



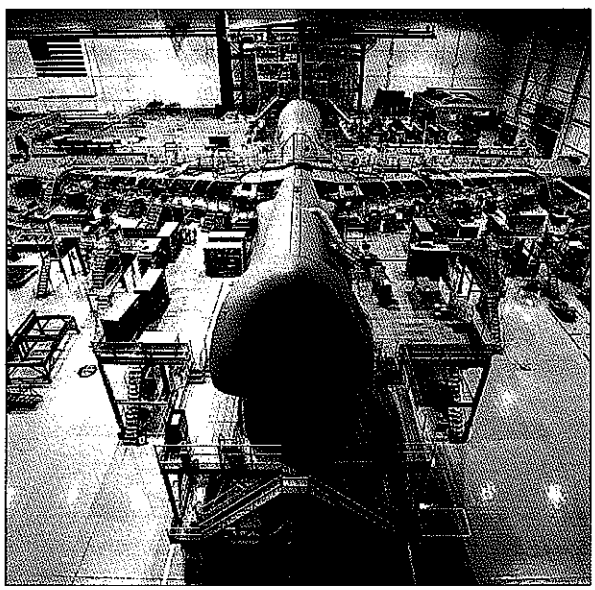



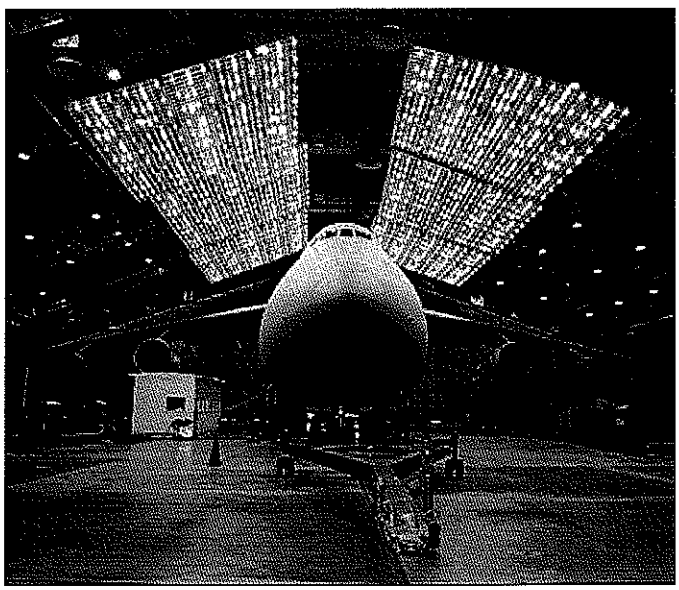




extensive mechanical and electrical systems, high expansion foam fire suppression system, fire detection and alarm system, site utilities, material handling system, and corrosion repair shops.

- 30,00 SF Base Supply Building: Consisting of secure storage area, weapons vault, administration area, training area, base uniform issue, base receiving and transportation area, loading dock, hazardous material storage and issue, intrusion detection systems, mechanical and electrical systems, fire suppression and alarm system site utilities, site grading , security fencing, and parking areas.
- Demolition of Existing 7,000 LF X 150' Runway & Construction of New, 8800 LF X 200' Runway Capable of Supporting C-5 Galaxy Operations: Consisting of demo of existing concrete pavement, massive grading and rock excavation, NA aids, new Localizer, new runway lighting, medium intensity approach runway lighting system, site utilities, embankment, and concrete and asphalt paving.
- Demolition & Construction of New Taxiway to Support the C-5 Galaxy: Consisting of runway lighting system, concrete and asphalt paving, NA aids, site drainage, site grading and utilities.
- 80,600 SF Fuel Cells Hangar: Consisting of extensive concrete floor paving, high expansion foam fire suppression, fire detection and alarm system, site utilities, extensive exhaust system, mechanical and electrical systems, site drainage, and parking areas.
- 30,000 SF Squadron Operations Building: Consisting of administration areas, training areas, storage areas, flight planning, Command Post and Emergency operations secure area, mechanical and electrical systems, intrusion detection and alarm system fire suppression and alarm system, site utilities, site grading, and parking areas.
- 15,000 SF Avionics Repair Building: Consisting of intrusion detection system and secure areas, radar, radio and navigation repair area, mechanical and extensive electrical systems, site utilities, site grading, asphalt paving, and parking areas.





**Education**
Bachelor of Architecture
Virginia Tech
1990

**Registration**
Registered Architect
North Carolina
Virginia
Washington, DC

LEED Accredited Professional

**Years of Experience**
26

Mr. George is a registered architect and has more than 23 years of architectural experience. He has served as a principal, project manager, and lead designer on numerous federal government and private sector projects including for the Department of Defense, Department of Justice and the General Services Administration. Bill has worked extensively with the FBI designing new technical support and training facilities at the FBI Academy in Quantico including a 40,000 SF helicopter hangar. He has designed a flight line vehicle maintenance facility for the Army in Aviano, Italy and four Company Operations Facilities for the U.S. Army at Fort Bragg, NC. As a LEED Accredited Professional he successfully lead his design team to achieve a Silver certification from the USGBC for the Barracks Complex in Vicenza, Italy. Bill currently serves as Treasurer of the Hampton Roads Chapter of the American Institute of Architects.

RELEVANT EXPERIENCE

**SOF Battalion Operations Complex Phase 4**
**U.S. Army Corps of Engineers,**
**Louisville District**
**Fort Campbell, Kentucky**

This project will house Battalion and Company administrative and command operations and store and move supplies and equipment. The Battalion Operations Complex consists of a Battalion Headquarters, sensitive compartmented information facility (SCIF), four company operations facilities, special forces team rooms, and mission planning areas.

**Munitions Administration Facility**
**NAVFAC - Aviano Air Base**
**Aviano, Italy**

The Munitions Administration Facility supports 135 personnel in 2518 SM (27095 SF). It provides two large maintenance bays for conventional munitions vehicles and WS3 support vehicles. The facility provides space for the Combat Ammo System-Base computers vault, munitions OIC, munitions NOIC, line delivery element, storage element, weapons element, equipment maintenance element, training element, mobility office, munitions control, and general use areas. It has a 90 space POV parking lot and a GOV parking lot capable of supporting 33 oversized vehicles.

**Truck Company Maintenance/Operations Complex**
**Marine Corps Base Camp Lejeune,**
**North Carolina**

This project includes drive-through equipmentment maintenance bays a battery charging room, tool, storage, parts storage, administrative space, classroom space, showers and lockers, and weapon storage/cleaning area. Special construction features include pile foundation with reinforced grade beams. Sustainable design principles were included.

**Repair Hangar 500**
**NAVFAC, Atlantic**
**Naval Air Station Oceana**
**Virginia Beach, Virginia**

This project reorganizes and renovates the space within Hangar 500 from one that serves five squadrons to one that serves four squadrons. The hangar support spaces are located on the first and second floors and at a mezzanine level between the two. The Chief's Conference Room, Paraloft Shop, Safety/NATOPS, and Senior Officer Conference functions will also be located on the mezzanine level. Each squadron shall be provided with a similar layout and each squadron shall occupy an equal amount of building area.

**Education**
Bachelor of Science
Architecture
University of Virginia
1984

**Registration**
Registered Architect
West Virginia
North Carolina
Virginia

LEED Accredited Professional

**Years of Experience**
25

Mr. Moniot has 25 years of experience as a design and construction professional. Responsibilities have included design, facilities management, and project/ construction management and administration for renovations as well as new building projects. His project experience includes structures covering commercial, health care, education, governmental, financial, manufacturing, and religious facilities. During the construction phase of Clark Nexsen projects, the Construction Administration Department serves as the single point of contact for both internal and external team members. The department provides a reliable, complete and accurate, ready reference of all construction-related documentation. This documentation typically includes the original plans and specifications with amendments, correspondence, submittals and shop drawings, answers to requests for information (RFIs), sketches, change orders, partial payments, tests, etc.

## RELEVANT EXPERIENCE

**Joint School of Advanced Military Studies Wargaming & Research Center**
**NAVFAC - Mid Atlantic**
**Norfolk, Virginia**

This project includes a 64,480 SF new building and renovation of 160,190 SF of an existing building to support state-of-the-art Wargaming and Joint Service Command training. The facility provides software development, research, planning, and evaluation of training scenarios and simulated wargaming. The simulations required integration of the building and electronics equipment, including building-wide video-teleconferencing to effectively train field officers.

**Term Contract for A/E Services**
**Virginia Military Institute**
**Lexington, Virginia**

Task orders included: Kilbourne Hall plaza study, Master Plan updates, improvement of the Military Leadership Field Training Grounds, and Cormack Hall redesign for Pre-Planning Study.

**Bedford Learning Resource Center Renovation**
**Central Virginia Community College**
**Lynchburg, Virginia**

The existing 24,000 SF, two-story library was renovated to create a learning environment consistent with current standards, trends, and student needs. The renovations include a new elevator and main stairs, support areas and amenities that include full smart classrooms, a testing center, distance learning, computer carrels, study carrels, and a studio production area. New furniture was provided throughout the library including book shelving and a circulation counter.

**Campbell Avenue Parking Deck**
**City of Roanoke**
**Roanoke, Virginia**

The design team developed a design that is both functional and architecturally appealing for this 353-car parking deck. Vertical columns break up the horizontal mass of the structure, while thin-set brick veneer ties the deck to the look of nearby buildings. On the ground floor along both Salem and Campbell Avenues, an architectural window storefront appearance reinforces a pedestrian scale that is complementary to surrounding structures. The tiered architecture along the primary pedestrian and vehicle entry/exit point off of Campbell Avenue eliminates the common "big box" appearance of a typical parking garage.

**Education**
Bachelor of Science
Civil Engineering
University of Virginia
1980

**Registration**
Professional Engineer
Arizona
Florida
Virginia

**Years of Experience**
32

Mr. Spady is a structural engineer with 32 years of experience in the design, analysis, and rehabilitation of buildings, waterfront structures, and coastal structures. He is experienced in the design of industrial, office, military, and many other building types. His experience covers the entire range of design including development of performance criteria, schematic development of designs, final design, construction administration, and quality control reviews. Mr. Spady is experienced with concrete, steel, masonry, and other materials for large and small structures. He is experienced in the design of retaining structures, shallow foundations and deep foundations.

RELEVANT EXPERIENCE

**Ranger Special Troops Battalion Special Operations Forces (SOF) Battalion Complex and Tactical Equipment Maintenance Facility Facilities**
**U.S. Army Corps of Engineers, Galveston District, Fort Benning, Georgia**

This project provided for the design of three new buildings at Fort Benning: Battalion Headquarters of 23,700 SF that provides space for administrative and command operations; Company Operations Facility of 49,500 SF to accommodate administrative operations and store supplies; and Tactical Equipment Maintenance Facility of 11,800 SF for maintaining and repairing vehicles.

**Brigade Team 2 Complex**
**U.S. Army Corps of Engineers, Louisville District, Fort Campbell, Kentucky**

Completed via Design-Build, this project included six Tactical Equipment Maintenance Facilities (TEMFs) and support buildings for hazardous waste storage as well soldier equipment storage. TEMF facilities provide industrial space for the maintenance and repair of vehicles including equipment, parts storage, and administration spaces. Combined, these TEMFs encompass more than 200,000 SF of warehouse space.

**SOF Battalion Operations Complex Phase 4**
**U.S. Army Corps of Engineers, Louisville District, Fort Campbell, Kentucky**

This project will house Battalion and Company administrative and command operations and store and move supplies and equipment. The Battalion Operations Complex consists of a Battalion Headquarters, sensitive compartmented information facility (SCIF), four company operations facilities, special forces team rooms, and mission planning areas.

**Grow the Force - Unit Maintenance Facilities Phase C (TEMF)**
**U.S. Army Corps of Engineers, Louisville District, Fort Campbell, Kentucky**

Delivered via Design-Build, the Tactical Equipment Maintenance Facilities (TEMF) support two battalions by providing facilities for the maintenance and repair of vehicles, including equipment, parts and materials storage. Buildings on site include two small TEMF buildings (Transportation Company and Hospital Company). Other buildings on site are comprised of Organizational storage, POL storage, and Hazmat storage. The TEMF buildings were constructed as pre-engineered metal buildings founded on concrete spread footings with concrete slabs on grade.

**108th Air Defense Artillery TEMF**
**U.S. Army Corps of Engineera, Savannah District, Fort Bragg, North Carolina**

The Tactical Equipment Maintenance Facilities (TEMF) support three battalions by providing facilities for the maintenance and repair of vehicles including equipment and parts storage and administration space.

**Education**
Bachelor of Science
Electrical Engineering
Virginia Tech
1993

**Registration**
Professional Engineer
West Virginia
Florida
Georgia
Kentucky
Maryland
Missouri
North Carolina
South Carolina
Virginia
Washington, DC

Lighting Certified

LEED Accredited Professional

**Years of Experience**
14

Mr. Christopher is a senior electrical engineer with various military, municipal and commercial projects throughout the United States and overseas. His responsibilities include layout, design and circuiting of electrical power, lighting and communication systems for churches, schools, cell towers and other facilities. His projects have ranged from new construction, to renovation, to building condition surveys. The projects required design in primary and secondary power distribution including medium voltage, interior and exterior lighting, emergency power (generator and UPS), fire alarm systems, grounding and lightning protection, security and intrusion detection and public address systems. He routinely performs short circuit, connected load, voltage drop and interior and exterior lighting calculations.

## RELEVANT EXPERIENCE

**Brigade Team 2 Complex**
**U.S. Army Corps of Engineers,**
**Louisville District, Fort Campbell, Kentucky**

This project included six Tactical Equipment Maintenance Facilities and support buildings for hazardous waste storage as well soldier equipment storage. TEMF facilities provide industrial space for the maintenance and repair of vehicles including equipment, parts storage, and administration spaces. Combined, these TEMFs encompass more than 200,000 SF of warehouse space.

**108th Air Defense Artillery TEMF**
**U.S. Army Corps of Engineera,**
**Savannah District, Fort Bragg, North Carolina**

The Tactical Equipment Maintenance Facilities (TEMF) support three battalions by providing facilities for the maintenance and repair of vehicles including equipment and parts storage and administration space.

**SOF Battalion Operations Complex, Phase 4**
**U.S. Army Corps of Engineers,**
**Louisville District, Fort Campbell, Kentucky**

This project will house Battalion and Company administrative and command operations and store and move supplies and equipment. The Battalion Operations Complex consists of a Battalion Headquarters, sensitive compartmented information facility (SCIF), four company operations facilities, special forces team rooms, and mission planning areas.

**Grow the Force - Unit Maintenance Facilities, Phase C (TEMF)**
**U.S. Army Corps of Engineers,**
**Louisville District, Fort Campbell, Kentucky**

Delivered via Design-Build, the Tactical Equipment Maintenance Facilities (TEMF) support two battalions by providing facilities for the maintenance and repair of vehicles, including equipment, parts and materials storage. Buildings on site include two small TEMF buildings (Transportation Company and Hospital Company). Other buildings on site are comprised of Organizational storage, POL storage, and Hazmat storage. The TEMF buildings were constructed as pre-engineered metal buildings founded on concrete spread footings with concrete slabs on grade.

**16th Cavalry General Instruction Complex Battalion Headquarters**
**U.S. Army Corps of Engineers,**
**Savannah District, Fort Benning, Georgia**

Clark Nexsen designed this new Battalion Headquarters that includes three administrative and command operations. The Battalion Headquarters includes one small (10,148 SF), one medium (11,736 SF), and one large (13,456 SF) structures. Site design includes utilities, electric service, exterior and security lighting, fire protection and alarm systems, water, gas, sewer, and minor site improvements.

**Education**
Bachelor of Science
Landscape Design & Contracting
University of Maryland
1994

**Registration**
Certified Landscape Architect
Virginia

LEED Accredited Professional

**Professional Organizations**
American Society of Landscape Architects (ASLA)

**Years of Experience**
16

Mr. Dalton is a versatile certified landscape architect with sixteen years of design experience and a demonstrated flair or site enhancements that visually promote building façades, streetscapes, and urban green space. He has exceptional experience in combining landscape design criteria with tested field applications. His professional knowledge extends from botanical theory to hands-on field techniques that include landscape planning, costing, and construction installation. Mr. Dalton is further experienced in surveying and site development that adds value to an owner's project. He particularly understands topographical affinities and site adjacencies within the built environment for municipal, institutional, commercial and industrial applications. With years of applied theoretical design and field landscape engineering, Mr. Dalton has a diverse background in preparing commercial and industrial sites for sustainable landscape architecture and land-use development. Mr. Dalton's expertise anticipates site planning, expansion, grading, incorporation of utility infrastructure, and storm water management.

RELEVANT EXPERIENCE

**Area Development Guides**
**U.S. Army Corps of Engineers**
**Fort Benning, Georgia &**
**Fort Carson, Colorado**

Clark Nexsen prepared Area Development Guides for Fort Benning, Georgia addressing the Harmony Church area, where the Armor School facilities will be constructed; the Sand Hill area where a number of the Maneuver Center facilities will be constructed; and a "finger" of the Kelley Hill area, where various warehousing type facilities will be constructed and for Fort Carson, Colorado addressing the 4th Brigade Combat Team complex and the 4th Division headquarters complex. The intent was to produce documents that ensure architectural themes and appearances are consistent throughout the project areas, are in compliance with the Army Installation Design Standards, and in compliance with the local Installation Design Guide.

**NRHA Headquarters**
**Norfolk Redevelopment Housing Authority**
**Norfolk, Virginia**

This project provides a new corporate headquarters for Norfolk Redevelopment and Housing Authority on their existing maintenance facility site on Ballentine Blvd. in Norfolk, Virginia. The project includes a new, three-story, 46,000 SF office building, renovation of approximately 8,000 SF of existing warehouse space for new office functions, and extensive re-work of the existing site due to demolition of some existing buildings and the need to re-grade for improved stormwater drainage.

**Training Support Brigade Complex Phase II Barracks & Warehouses**
**U.S. Army Corps of Engineers,**
**Savannah District**
**Fort Benning, Georgia**

The Unaccompanied Enlisted Personnel Housing (UEPH) consists of one 97,000 SF structure which is three stories in height and broken into two wings with a connector. The facility accommodates up to 250 soldiers. The UEPH rooms are configured in two room suites with a shared kitchen and bathroom. The building is provided with associated support spaces such as laundry facilities, a lobby area, vending areas, a recycling room, and mechanical/electrical/ communications rooms.

**Education**
Master of Science
Engineering Management
Old Dominion University
1995

Bachelor of Science
Fire Protection Engineering
University of Maryland
1987

**Registration**
Professional Engineer
West Virginia
Alabama
Arizona
California
Colorado
Florida
Georgia
Illinois
Kentucky
Maryland
Maine
Nebraska
New York
North Carolina
Ohio
Oklahoma
Pennsylvania
South Carolina
Tennessee
Texas
Virginia
Washington
Washington, DC

LEED Accredited Professional

**Professional Organizations**
National Fire Protection Association (NFPA)

Society of Fire Protection Engineers (SFPE)

National Society of Professional Engineers (NSPE)

**Years of Experience**
23

Mr. Born has 23 years of experience in the design and construction of government, private and commercial facilities. Chris' experience covers many types of fire protection systems including wet pipe, dry pipe, preaction and deluge sprinklers, fire standpipes, fire pumps, and clean agent gaseous suppression systems.

Prior to being employed at Clark Nexsen, Mr. Born worked for over 7 years at the Atlantic Division, Naval Facilities Engineering Command (NAVFAC Atlantic), including a brief period as the acting head of the fire protection engineering branch of the Engineering and Design Division. He is a licensed fire protection engineer in multiple states and is also a member of several professional organizations including NSPE, NFPA, and SFPE.

## RELEVANT EXPERIENCE

**Truck Company Maintenance/Operations Complex**
**Marine Corps Base Camp Lejeune, North Carolina**

Clark Nexsen teamed with Bay Electric to design and construct a truck company maintenance operations complex, which provides administrative, training and maintenance support for the Marine Corps Truck Company at Camp Lejeune. The building provides office, classroom and eight service bay spaces. Construction included drive-through equipment maintenance bays, a battery charging room, tool storage, parts storage, administrative space, classroom space, showers and lockers, and weapons storage/clearing area.

**108th Air Defense Artillery TEMF**
**U.S. Army Corps of Engineera, Savannah District, Fort Bragg, North Carolina**

The Tactical Equipment Maintenance Facilities (TEMF) support three battalions by providing facilities for the maintenance and repair of vehicles including equipment and parts storage and administration space.

**Brigade Team 2 Complex**
**U.S. Army Corps of Engineers, Louisville District, Fort Campbell, Kentucky**

This project included six Tactical Equipment Maintenance Facilities and support buildings for hazardous waste storage as well soldier equipment storage. TEMF facilities provide industrial space for the maintenance and repair of vehicles including equipment, parts storage, and administration spaces. Combined, these TEMFs encompass more than 200,000 SF of warehouse space.

**Hangar 500**
**NAVFAC, Atlantic**
**Naval Air Station Oceana**
**Virginia Beach, Virginia**

This project reorganizes and renovates the space within Hangar 500 from one that serves five squadrons to one that serves four squadrons. The hangar support spaces are located on the first and second floors and at a mezzanine level between the two. The Chief's Conference Room, Paraloft Shop, Safety/NATOPS, and Senior Officer Conference functions will also be located on the mezzanine level. Each squadron shall be provided with a similar layout and each squadron shall occupy an equal amount of building area. A new primary pedestrian entrance lobby/vestibule shall be centrally located between the existing single story addition and the new SCIF addition. There are also several secondary pedestrian entrances on this side of the building facilitating access to and from the parking lot.

**Education**
Bachelor of Science
Housing, Interior Design & Resource Management
Virginia Tech
1987

**Registration**
Certified Interior Designer
Alabama
New York
Texas
Virginia

NCIDQ Certified

LEED Accredited Professional

**Years of Experience**
24

Ms. Drew has 24 years of interior design experience with a strong focus in space planning, concept development, specifications and project management. As Director of the Interior Design Studio, Ms. Drew provides oversight of all design, leads the programming and space planning phases of each project, and provides quality control to ensure that all projects meet current ADA standards and comply with all current state and local codes. Understanding essential design principles, Ms. Drew is committed to design excellence and creating superior spaces for our clients. As a LEED Accredited Professional, Ms. Drew incorporates sustainable design practices into each project. With a strong focus on maintaining an environmental approach to interior design, Ms. Drew stays well informed of available products that incorporate recycled and recyclable content as well as renewable resources used in many products now available.

## RELEVANT EXPERIENCE

**USJFCOM Joint Deployment & Maritime Operations Centers**
**NAVFAC Mid-Atlantic, Norfolk, Virginia**

This combined Command Center for the United States Joint Forces and Fleet Forces Commands at the Naval Support Activity in Norfolk, Virginia consists of a two-story 20,182 SF building addition and the renovation of 29,116 SF of two floors of the southern end of building NH-95. NH-95 is a 250,000 SF, two-story windowless concrete structure that has grown incrementally over the last 50 years. Historically, this secure facility has housed a small high security command center and numerous related support spaces. Clark Nexsen designed the existing Command Center within this building in 1983. This new project has expanded and modernized the installation into a world-class, state-of-the-art facility for the two Commands.

**Ranger Special Troops Battalion Special Operations Forces (SOF) Battalion Complex and Tactical Equipment Maintenance Facility Facilities**
**U.S. Army Corps of Engineers, Galveston District, Fort Benning, Georgia**

This project provided for the design of three new buildings at Fort Benning: Battalion Headquarters of 23,700 SF that provides space for administrative and command operations; Company Operations Facility of 49,500 SF to accommodate administrative operations and store supplies; and Tactical Equipment Maintenance Facility of 11,800 SF for maintaining and repairing vehicles.

**Renovations to Building 661**
**U.S. Army Corps of Engineers, Norfolk District, Fort Eustis, Virginia**

This project is a renovation of a four-story, 100,000 SF office building. Renovations included declassification of the SCIF space, removal of interior furnishings and partitions, new interior finishes, modification to HVAC, electrical, fire protection, telecommunications/IT, new life safety/egress improvements, fire suppression, mass notification, and intrusion detection system (IDS).

**TA-5 Dining Hall**
**U.S. Army Corps of Engineers, Norfolk District**
**Fort Lee, Virginia**

Clark Nexsen teamed with Bay Electric to design and construct a dining facility at Fort Lee, Virginia. This project consists of designing a 75,000 SF (6,968 SM) dining facility capable of feeding 3,600 trainee soldiers per meal within 90 minutes. The design was intended to be similar to a college cafeteria facility capable of serving as a gathering place for group activities as well.

**Education**
Master of Engineering
Mechanical Engineering
Old Dominion University
1998

Bachelor of Science
Mechanical Engineering
Old Dominion University
1993

**Registration**
Professional Engineer
Maryland
North Carolina
Texas
Virginia

LEED Accredited Professional

**Years of Experience**
26

Mr. Dover is a mechanical engineer with over 26 years of HVAC design experience. As a lead mechanical design engineer, he is responsible for the development of construction documents related to the HVAC design for renovation of various building types including industrial facilities and government office buildings.

RELEVANT EXPERIENCE

**Brigade Team 2 Complex**
**U.S. Army Corps of Engineers,**
**Louisville District, Fort Campbell, Kentucky**

Completed via design/build, this project included six Tactical Equipment Maintenance Facilities (TEMFs) and support buildings for hazardous waste storage as well soldier equipment storage. TEMF facilities provide industrial space for the maintenance and repair of vehicles including equipment, parts storage, and administration spaces. Combined, these TEMFs encompass more than 200,000 SF of warehouse space.

**Grow the Force - Unit Operations TEMF Complex**
**U.S. Army Corps of Engineers,**
**Louisville District, Fort Campbell, Kentucky**

Delivered via Design-Build, these Tactical Equipment Maintenance Facilities support the 326th Engineering Battalion by providing facilities for the maintenance and repair of vehicles, including equipment, parts and materials storage. Buildings on site include one medium TEMF (ENGR OPS TEMF) and one small TEMF (SAPPER TEMF). Other buildings on site are comprised of organizational storage, POL storage and hazmat storage. The site is located within Fort Campbell, at the intersection of A Shau Valley Road and 38th Street.

**SOF Battalion Operations Complex Phase 4**
**U.S. Army Corps of Engineers,**
**Louisville District, Fort Campbell, Kentucky**

This project will house Battalion and Company administrative and command operations and store and move supplies and equipment. The Battalion Operations Complex consists of a Battalion Headquarters, sensitive compartmented information facility (SCIF), four company operations facilities, special forces team rooms, and mission planning areas.

**Hangar 500**
**NAVFAC, Atlantic, Naval Air Station Oceana**
**Virginia Beach, Virginia**

This project reorganizes and renovates the space within Hangar 500 from one that serves five squadrons to one that serves four squadrons. The hangar support spaces are located on the first and second floors and at a mezzanine level between the two. The Chief's Conference Room, Paraloft Shop, Safety/NATOPS, and Senior Officer Conference functions will also be located on the mezzanine level. Each squadron shall be provided with a similar layout and each squadron shall occupy an equal amount of building area.

**Operations Trainer Support Facility**
**NAVFAC, Atlantic**
**Dam Neck, Virginia Beach, Virginia**

This project consisted of a 23,000 SF, two-story administration, support and warehouse addition to the existing live fire training facility. This addition contained new administration offices and a conference room on the second floor. A portion of the warehouse addition has been designed as a free-standing building located adjacent to the existing building and the attached addition. The resulting thoroughfare or "alleyway" between the buildings created a three dimensional outdoor training space which resembles a partial city block in an urban environment.

**Education**
Associates Degree
Mechanical Design
Falls College
1969

**Years of Experience**
42

Mr. Knight is a senior plumbing designer with 42 years of experience in design of plumbing waste and drainage systems. He has extensive experience in international field management, fast track construction jobs, government facilities, aerospace, airport/aviation, nuclear facilities, pulp and paper, educational facilities, textiles, commercial buildings, healthcare, plastics/polymers, microelectronics, clean room facilities, food and beverage, biotechnology, and pharmaceutical projects.

## RELEVANT EXPERIENCE

**Brigade Team 2 Complex**
**U.S. Army Corps of Engineers,**
**Louisville District, Fort Campbell, Kentucky**

Completed via Design-Build, this project included six Tactical Equipment Maintenance Facilities (TEMFs) and support buildings for hazardous waste storage as well soldier equipment storage. TEMF facilities provide industrial space for the maintenance and repair of vehicles including equipment, parts storage, and administration spaces. Combined, these TEMFs encompass more than 200,000 SF of warehouse space.

**E2/C2 Hangar Aircrew Training Facility**
**NAVFAC Mid-Atlantic**
**Norfolk, Virginia**

This building is designed to house three flight simulators for the E2D aircraft and its associated support equipment, staff and SCIF. Unique to this building is that it houses both the cockpit modules and the "back of plane" equipment, allowing an enhanced training experience. The training equipment design progressed concurrently with that of the building, necessitating extensive coordination and communication to ensure the project's success. The building is a two-story structure, a portion of which is an open high-bay hangar area for the aircraft training equipment. It is served by the base utilities and is similar in appearance to its nearby buildings. The building will be a LEED Silver certified project.

**Grow the Force - Unit Maintenance Facilities, Phase C (TEMF)**
**U.S. Army Corps of Engineers,**
**Louisville District, Fort Campbell, Kentucky**

Delivered via Design-Build, the Tactical Equipment Maintenance Facilities (TEMF) support two battalions by providing facilities for the maintenance and repair of vehicles, including equipment, parts and materials storage. Buildings on site include two small TEMF buildings (Transportation Company and Hospital Company). Other buildings on site are comprised of organizational storage, POL storage, and hazmat storage. The TEMF buildings were constructed as pre-engineered metal buildings (PEMB) founded on concrete spread footings with concrete slabs on grade.

**Fleet Readiness Center Maintenance Facility**
**NAVFAC Mid-Atlantic**
**MCAS New River, North Carolina**

This project is a single-story, depot level maintenance facility to provide work spaces in support of the establishment of the Fleet Readiness Center East Site at MCAS New River. Work spaces include shop areas for aircraft sturctural components, metal components, non metal components, dynamic components, huydraulic components and material staging/storage.

Anderson & Associates, Inc.

**Education**
Master of Business Administration
Organizational Leadership
Virginia Tech
2007

Bachelor of Science
Civil Engineering -
Environmental Option
Virginia Tech
1995

**Registration**
Professional Engineer
North Carolina
Virginia

LEED Accredited Professional

**Years of Experience**
16

Ms. Bonadeo has been with Anderson & Associates since 1998. Her experience at A&A has been focused on site development projects, including educational, institutional, commercial, residential and recreational. Before joining Anderson & Associates, Ms. Bonadeo worked with a civil engineering firm primarily performing hydrology and hydraulic studies and preparing construction plans for site development and highway design projects. Since joining Anderson & Associates, Ms. Bonadeo has worked with both our site development and transportation groups, where her experience and knowledge of both areas lends itself well to our ability of sharing team resources. Ms. Bonadeo's has been leading the Land Development division as Vice President since 2006.

## RELEVANT EXPERIENCE

**Warren County Public Safety Building**
**Warren County, Virginia**

As a sub to an architect, A&A provided civil engineering and surveying services for the development of a multi-purpose public safety building and support facilities, which included public and secure entrances and parking areas, access and circulation for a range of emergency and public safety vehicles, storm water management facilities, and LEED certification. The site required extensive and detailed grading and erosion and sediment control measures in order to provide the required parking and building footprints, slope, access, and storm water detention and water quality facilities to meet County, state, and LEED standards. The public safety building will require specific site elements including a sallyport and vehicle processing bay access, secure parking area with security gates and enclosures, public entrance and parking area, landscaping,connection and circulation to approximately twenty exterior building access points, as well as two vehicular site access points.

**Veterans Administration Medical Center**
**Beckley, West Virginia**

Anderson & Associates, Inc. is teamed with an architect to provide civil engineering services for the design of a new permanent structure to house an adult day care, eleven offices, and a mental health compensated work therapy area at the Beckley VAMC. A&A will be providing topographic surveying services and complete site plans for construction which contain grading plans, erosion and sediment control plans, paving plans, water quantity and quality design, drainage design, landscape design, and utility design and coordination.

**Crossroads Mall**
**Beckley, West Virginia**

Anderson & Associates, Inc. provided Pennsylvania Real Estate Investment Trust (PREIT) with an initial evaluation of a parcel for development suitability. Once it was determined that the site was developable, A&A provided surveying services related to boundary line adjustments, easements plats, boundary line vacations, and rights-of-way dedications. A&A prepared complete site plans for the realignment of a portion of the mall ring road to allow room for development of a gas station on the front outparcel. A&A also provided complete site plans for the construction of a new vendor additions at the mall. Each of these site plan sets contained demolition plans, grading plans, erosion and sediment control plans, paving plans, storm drainage design, landscape design, and utility design and coordination.

Anderson & Associates, Inc.

**Education**
Bachelor of Science
Civil Engineering
Bluefield State College
1999

**Registration**
Professional Engineer
West Virginia
North Carolina
Virginia

**Years of Experience**
12

Mr. Morgan joined Anderson & Associates in 1999 after graduating with a BS in Civil Engineering from Bluefield State College. Mr. Morgan is experienced in AutoCAD, Microstation, and various design software. He has worked in the field on surveying and inspection, design and project management, assembling plans and technical documentation, contract administration, and funding applications, and has lab experience performing concrete and soils testing. He is also currently the Chairman of the Cool Ridge Flat-Top PSD. Over the past 11 years, Mr. Morgan's career has grown tremendously with A&A. He has gained extensive experience as a Project Manager in a variety of projects ranging from water and wastewater system improvements to downtown revitalization and recreational trail projects. Since the opening of Anderson & Associates' Beckley office in 2006, Mr. Morgan has expanded Anderson & Associates services to reach a number of WV municipalities and clients. Mr. Morgan has a diverse portfolio highlighting his expertise in numerous areas of engineering.

## RELEVANT EXPERIENCE

**Wastewater Project**
**Amigo Devils Fork**
**Amigo, West Virginia**

Compilation of a Feasibility Study to determine the best course of action to provide wastewater collection and treatment service to approximately 50 customers in the Amigo area who currently have no wastewater treatment in the area. This Study looked mainly at various combinations of treatment and collection options and was the basis for determining the most cost efficient and environmentally friendly means of serving the citizens of Amigo with reliable wastewater service. These options included investigations of traditional and innovative collection and treatment options.

**Storm Water Plan Review**
**Beckley Sanitary Board**
**City of Beckley, West Virginia**

Provided plan reviews for storm water designs being submitted to the City of Beckley Sanitary Board including reviews for the site development of a Sonic restaurant and CVS Pharmacy.

**Sisson Street Drainage Project**
**Beckley Sanitary Board**
**City of Beckley, West Virginia**

Provided services for drainage improvements for drainage problems that occurred due to a cave-in along Sisson Street in Beckley, West Virginia. A&A prepared a detailed study of the storm drainage in the area, and provided the client with alternative solutions to the drainage problems, including cost options. Upon approval of the client, A&A provided detailed plans and specifications, including demolition, utility relocation, and construction phasing.

**Coaldale Mountain Waterline Extension Project**
**WV DEP AML, West Virginia**

This project consists of hydraulic modeling, design, preliminary design, and final design of 33,000 linear feet of water line, a booster station, a 75,000 water storage tank and appurtenances.

Anderson & Associates, Inc.

**Education**
Bachelor of Science
Forestry
Virginia Tech
1986

**Registration**
Certified Professional Surveyor
West Virginia

Certified Land Surveyor
Virginia

Confined Spaces Certification

CSX General Training Certification

**Years of Experience**
12

Mr. Kaknis has served as a rodman, instrument man, drafter, and party chief and has experience with global positioning receivers. Mr. Kaknis is responsible for the collection of field data for many projects. He has extensive experience with the compilation of right-of-way and property information, as well as terrain modeling. He works closely with other Survey Managers to coordinate the allocation of survey crews and equipment. He also provides day-to-day supervision and direction to field crews and in-house CADD operations, as well as quality control reviews. As Survey Manager he has successfully managed a number of large projects, including gas transmission line surveys, boundary surveys, location surveys, and topographic surveys.

RELEVANT EXPERIENCE

**Monitoring Well Location**
**Radford Army Ammunition Plant**
**Pulaski County, Virginia**

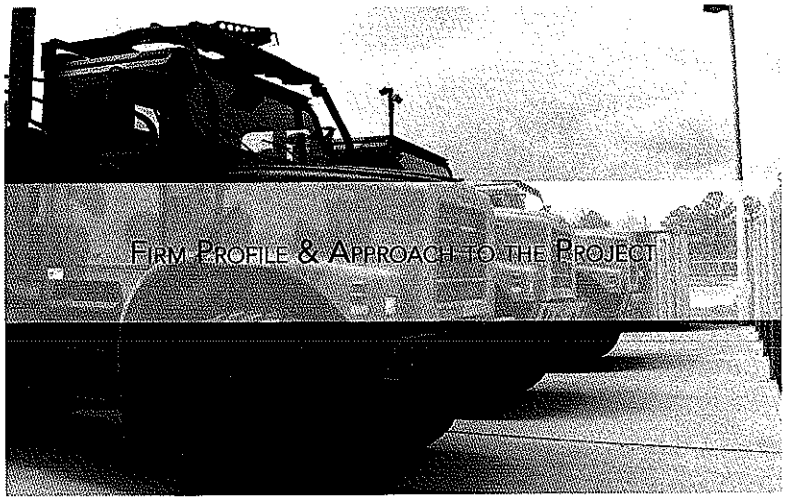
A&A was contracted by Shaw Environmental, Inc. to provide professional surveying services in support of the groundwater investigation activities at New River Unit (NRU) of the Radford Army Ammunition Plant in Dublin, Virginia. The NRU is a 2,813-acre, non-contiguous section of the main manufacturing area. Originally known at the New River Ordnance Works, it was constructed in 1940. It operated as a bag-manufacturing and loading plant for artillery, cannon, and mortar projectiles. In 1945, the facility became affiliated with the Radford Army Ammunition Plant. A total of twelve newly-installed monitoring well locations were surveyed for elevation and horizontal location coordinates at four sites within the NRU. The sites were the northern and western burning grounds, igniter assembly area, and bag loading area. All well locations were located in the Virginia State Plane coordinate system. Horizontal control was tied to the North American Datum; the vertical control was tied to the National Vertical Datum.

**Surveying Services**
**Radford Army Ammunition Plant**
**Radford, Virginia**

First established during World War II, the Radford Army Ammunition Plant currently supplies solvents and solventless propellant and explosives to America's armed forces. In 2007, The Program Executive Office for Ammunition and the U.S. Army Sustainment Command allocated $23 million to upgrade the plant's nitric acid concentrator/sulfuric acid concentrator (NAC/SAC) as well as improvements to the facility's powerhouse and steam distribution system. As a part of that upgrade, Washington Group International, Inc. contracted with Anderson & Associates, Inc. to perform a topographic survey of approximately 10 acres of the facility, locating several industrial tanks and pipelines on the site. Additionally, Washington Group requested that A&A determine the elevations of several pipes.

**Oakhurst Golf Course**
**White Sulfur Springs, West Virginia**

Provided a 750-acre boundary survey consisting of four mountainous tracts for development of a gated golf community located in Greenbrier County, West Virginia. Other services provided included an ALTA/ACSM survey, offsite utility easement plats, subdivision plat, staking of proposed roads, and staking of golf fairways and greens design by Nicklaus. A&A also performed a reconnaissance of the site and delineated all jurisdictional waters including wetland and streams.



# Firm Profile & Approach to the Project

**Clark Nexsen Architecture & Engineering**
91-year-old Professional Corporation
www.clarknexsen.com

Local Office:
**213 South Jefferson, Suite 1011**
**Roanoke, Virginia 24011**

Additional Offices:
- Charlotte, North Carolina
- Norfolk, Virginia
- Raleigh, North Carolina
- Richmond, Virginia
- Washington, DC

**Our Brief History**

Clark Nexsen is a full-service architecture, engineering, interior design, planning, and landscape architecture firm with offices in Norfolk, Roanoke, and Richmond, Virginia; Charlotte and Raleigh, North Carolina; and Washington, DC. Founded in 1920 by Pendleton S. Clark, FAIA, today the firm has over 500 employees and a list of significant projects in the Southeast and Mid-Atlantic States and 32 countries around the world. The firm has designed major projects for the federal government, state and local governments, as well as major corporations and all markets in the private sector.

**Full-Service Enhances Quality**

We offer full-service design in all aspects of architecture, including building design, master planning, feasibility studies, facilities management, landscape architecture, interior design, and construction administration. Our in-house engineering services include structural, mechanical, electrical, plumbing, and fire protection, civil, environmental, transportation, and traffic design. This full-service, in-house capability provides our clients with a single source of responsibility that allows for quick response to service needs and increased quality control.

**Professional Recognition**

2010
*Engineering News-Record* Top 500 Design Firms - #147

ZweigWhite Top 200 Hot Firm List of Fastest Growing Firms - #16

*Almanac of Architecture & Design*'s Top 333 Firms in America

First-ever Excellence in Construction Information Award (Innovation Category) from the Construction Specifications Institute (CSI) and Specifications Consultants in Independent Practice (SCIP) for their original sustainable design document, *An Approach to Systems*

2009
*Building Design + Construction*
»» Giants 300 Top 50 Engineering/Architecture Firms - #22
»» Top 75 State/Local Government Design Firms - #29
»» Top 100 University Design Firms - #37
»» Top 75 Federal Government Design Firms - #41
»» Top 170 BIM Adopters - #41
»» Top 200 Building Team LEED AP's - #42
»» Top 100 Institutional Design Firms - #61
»» Top 100 Reconstruction Design Firms - #66
»» Top 75 Industrial Design Firms - #73
»» Top 100 Office Design Firms - #73

ZweigWhite Top 200 Hot Firm List of Fastest Growing Firms

*Engineering News-Record* Top 500 Design Firms - #182

**Principals & Key Staff**

Clark Nexsen is a service-oriented design firm. We assure our clients of Principal involvement and commitment on every project. Every member of our staff undergoes training in communication, team building, and conflict resolution skills. Eighty-five of our Architects and Engineers are stockholders in the firm.

**Sustainable Design**

One of our firm's missions, to which we are committed, is to be respectful of nature and dedicated to the built environment and the quality of life.

Leadership in Energy and Environmental Design (LEED) was first developed by the U.S. Green Building Council as a device used to define, quantify and verify sustainable design practices. Clark Nexsen has over 180 individuals who have earned their LEED Accreditation by successfully demonstrating their knowledge of green building design, practices and strategies and demonstrated a thorough understanding of the LEED Green Building Rating System, Resources and Processes on the LEED Professional Accreditation Exam.

Clark Nexsen has always been in a unique position to provide full service sustainable design because it has always been committed to collaborative design ventures between design disciplines as a model of practice. The best solutions come from a design process that allows us to discover synergies that

improve performance while reducing costs.

Clark Nexsen's solution oriented design process minimizes the consequences on environmental resources, enhancing the client's quality of life while staying on budget and time.

**Associated Consultants**

To best meet the West Virginia Army National Guard's needs on this project, Clark Nexsen has teamed with **Anderson & Associates, Inc.** for site/civil engineering services. Also included on our team is **Lt. Col. Bill Burkhart** (retired) who served as C-5 Conversion Project Lead Engineer for the West Virginia Army National Guard. Lt. Col. Burkhart will provide support through the programming and conceptual design of the project.

Anderson & Associates, Inc. (A&A) has been providing quality engineering, surveying, planning, and landscape architecture services since the firm was founded in 1968. We have cultivated an operating philosophy driven by our employee-owners' commitment to client satisfaction and our dedication to innovation. From municipal and environmental engineering to land development, utilities, surveying, and GIS development, A&A delivers comprehensive solutions, not just designs.

Anderson & Associates emphasizes responsiveness and close attention to client needs through its four offices in Virginia, West Virginia, and North Carolina. The firm focuses on planning, design, and construction contract administration for public and private clients, including state, municipal, institutional, industrial, and recreational projects.

**Design Approach**

Our team's collective experience in the design of similar structures has offered exposure to many different approaches and ideas. Our success in these projects can be attributed to our being good listeners who are able to synthesize ideas and create consensus among diverse users and administrators. In addition to sharing a commitment to design excellence, the project team understands the critical need for a collaborative approach to the site and facility design. The design team acknowledges that gaining an understanding of the complexity of the issues related to the maintenance complex program is a critical first step in the development of a successful solution. We promote an open dialogue between the design staff and the Users. This process will then lead to a search for the most appropriate concepts that align both with the User's mission. We anticipate the initial work will progress on several parallel tracks:

- Review of existing project documentation
- Initial meeting with representatives from user and administrative groups
- Program development
- Establishment of design criteria (including civil, structural, electrical, plumbing, and mechanical, if required)
- Development of alternative design concepts (including civil, electrical, and plumbing)
- Establish sustainable goals and expectations
- Refine and document the selected approach as the basis for development of the projects schematic, design development, and construction documents.

**Cost Control**

We use an interactive and proactive approach to project cost management. At each design phase, we review the budget and reconcile any potential conflicts between the design and the budget. This allows architectural and engineering disciplines to focus on design, confident that budget problems will be avoided through timely and appropriate evaluation and constant reference to the cost plan. This means that we can avoid late-stage cost-cutting exercises because, for our team, value management is a fundamental part of the design process.

Our practice focuses on project management and design for public clients. Due to funding sources, all of these clients must work within very strict budgets to which the architect must adhere. We understand the need to spend money wisely, while providing the West Virginia Army National Guard with the Maintenance Complex for the Coonskin Park Area that will best suit current and future needs.

**Schedule**

Assuring that a project will be completed on schedule is possible through comprehensive and ongoing assessment of design and construction resources.

Through predictive and proactive time management, we are able to prepare team members for schedule challenges and minimize any negative impact of a project's schedule. Material shortages, labor disputes, and weather conditions are never controllable. On-going monitoring, however, can give the earliest possible warning of a potential problem. Once identified, the appropriate strategies for action can be planned. Most, if not all schedule problems are rooted in process errors or oversights. We are focused on the process that drives schedules and enables performance.

One of the main benefits of scheduling is that it enables the owner and all project team members to predict and monitor the progress of work. A schedule forms the basis for the overall goal of the project in a graphic timeline format and since it represents real time changes as they occur, corrective actions can be made with ease. Working with the design team and the owner we develop a realistic schedule that identifies all activities relative to design and major construction components. Our schedules also address key milestones, the approval process for long lead items, shop drawings, and other logistic constraints.

We follow the steps outlined below when developing schedules:

- Identify major tasks and anticipated durations (for the client and project specific)
- Identify long lead items
- Schedule owner supplied equipment
- Prepare preliminary logic and critical path
- Identify critical tasks
- Prepare preliminary bar chart schedules
- Prepare initial milestone schedule
- Issue preliminary project schedule for review
- Negotiate and issue final project schedule
- Monitor progress schedule team updates

**Discipline Coordination**

The firm's Quality Management Program Manual contains a checklist for the Project Manager and each discipline for Pre-Design, Schematic, Design Development and Final Design phases. These checklists have lines at appropriate design points, requiring related disciplines to coordinate design aspects and sign the checklists verifying that coordination has been performed. For example, the Electrical checklist for Final Design has detailed item lines for Civil-Electrical, Structural-Electrical, Mechanical (Plumbing, Fire Protection)-Electrical, and Architectural-Electrical inter-discipline coordination. These necessarily require the respective discipline designers to sit down together and compare plans and other documents (e.g., a motors and electrical connections list) to verify that coordination has been achieved.

Clark Nexsen has instituted a quality control procedure to ensure project documentation is coordinated, complete, and technically correct. A group of senior designers has been assembled as a permanent quality review team. The team has a representative of the major disciplines usually found in multi-discipline projects; civil (38 years experience), structural (33 years experience), architectural (38 years experience), interiors (25 years experience), fire protection (19 years experience), mechanical (39 years experience), and electrical (40 years experience).

The Maintenance Complex project will be reviewed at each submittal stage by the team. Schematic, preliminary and design development stages may be reviewed by the Gray Team at the same time this project is submitted to the West Virginia National Guard. The final submittal or construction documents will be reviewed and corrected before the project is delivered. The Gray Team's primary focus is to make sure the documents are coordinated and identify potential conflicts or omissions.

In addition to project review, this dedicated team will assist staff with standards and procedures. The Gray Team will meet with designers to assist in design and coordination issues on projects during project preparation. The Gray Team is a value added service that will help to ensure Clark Nexsen prepares and delivers projects with a goal towards zero defects.

CLARK • NEXSEN

*Architecture & Engineering*

1523 Elizabeth Avenue, Suite 300
Charlotte, NC 28204
P. 704.377.8800
F. 704.358.1037
www.clarknexsen.com

# fax

**DATE:**
2/28/2010

**TO:**
Div Engineering & Facilities
Armory Board Section

**ATTENTION:**
Tara Lyle

**FAX NUMBER:**
304-558-3970

**NUMBER OF PAGES INCLUDING THIS PAGE:**
4

**COMMISSION NUMBER:**

**FROM:**
Janet Brooks

**CC:**

**ROUTE TO:**

| | | |
|---|---|---|
| 1 | *K. Boone* | |
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Ms. Lyle,

Please find the attached signed Addendum No.2 and Addendum Acknowledgement form in response to RFQ # DEFK11026.

Thank you for your assistance and consideration.

Janet Brooks

RECEIVED
2011 FEB 28 P 3:20
PURCHASING DIVISION
STATE OF WV

**FILE:**

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

# Request for Quotation

| RFQ NUMBER | PAGE |
|---|---|
| DEFK11026 | 1 |

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE
Clark Nexsen
213 South Jefferson, Suite 1011
Roanoke, VA 24011

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION
1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|---|---|---|---|---|
| 02/23/2011 | | | | |

BID OPENING DATE: 03/03/2011 BID OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|---|---|---|---|---|---|

ADDENDUM NO: 2

1. TO MOVE THE BID OPENING DATE FROM 02/24/2011 TO 03/03/2011.
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.

END OF ADDENDUM NO. 2

0001 1 JB 906-00-00-001

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

****** THIS IS THE END OF RFQ DEFK11026 ****** TOTAL:

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE [signature] TELEPHONE 704.377.8800 DATE 2/28/2011

TITLE Senior Vice President FEIN 54-0613222 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

# GENERAL TERMS & CONDITIONS
# REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

**1.** Awards will be made in the best interest of the State of West Virginia.

**2.** The State may accept or reject in part, or in whole, any bid.

**3.** Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required $125 fee.

**4.** All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.

**5.** Payment may only be made after the delivery and acceptance of goods or services.

**6.** Interest may be paid for late payment in accordance with the ***West Virginia Code***.

**7.** Vendor preference will be granted upon written request in accordance with the ***West Virginia Code.***

**8.** The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

**9.** The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.

**10.** The laws of the State of West Virginia and the ***Legislative Rules*** of the Purchasing Division shall govern the purchasing process.

**11.** Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.

**12. BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.

**13. HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at **www.state.wv.us/admin/purchase/vrc/hipaa.htm** and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

**14. CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.

**15. LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**16. ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

## INSTRUCTIONS TO BIDDERS

**1.** Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.

**2.** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.

**3.** Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.

**4.** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

**5.** Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

EXHIBIT 10

REQUISITION NO.: DEFK11026

ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

ADDENDUM NO.'S:

NO. 1 X

NO. 2 X

NO. 3 .....

NO. 4 .....

NO. 5 .....

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

.....
SIGNATURE

Clark Nexsen
COMPANY

February 28, 2011
DATE

REV. 11/96