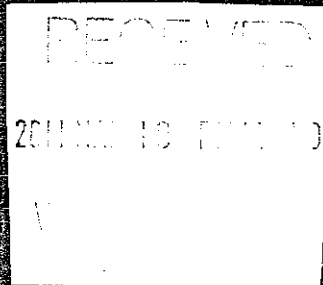
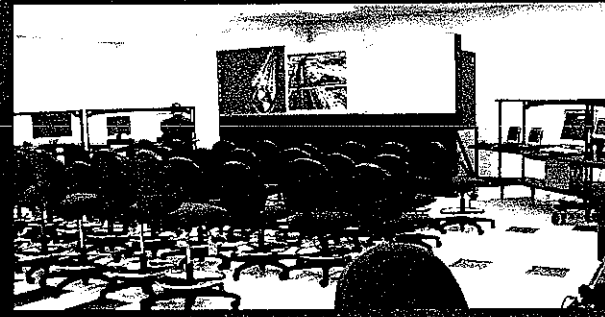
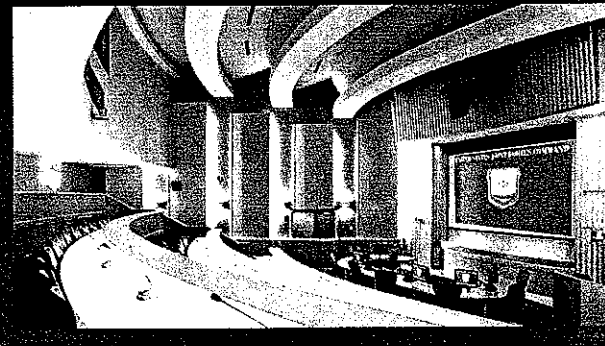


A/E Professional Services for a Joint Operations Facility

Requisition # DEFK11028



CELEBRATING 90 YEARS
CLARK • NEXSEN
Architecture & Engineering

CLARK • NEXSEN

Architecture & Engineering

March 13, 2011

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

RE: DEFK11028 – A/E PROFESSIONAL SERVICES FOR A JOINT OPERATIONS FACILITY

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 Joint Operations Facility to serve the West Virginia Army National Guard and related emergency services organizations. Our firm has extensive experience with similar operations facility 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 operations facilities includes the following:

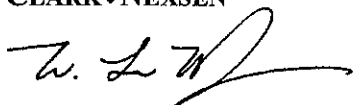
- **U.S. Joint Forces Command Joint Deployment & Maritime Operations Center** - Norfolk, Virginia
- **U.S. Army, Defense Distribution Center Headquarters** - New Cumberland, Pennsylvania
- **Company Operations Facility** - Fort Eustis, Virginia
- **Consolidate Command Ops & Support Facility** - Rota, Spain
- **Bogalusa National Guard Readiness Center** - Bogalusa, Louisiana
- **TRADOC Headquarters Relocation** - Fort Eustis, Virginia
- **U.S. Coast Guard, Operational Command Center** - Tidewater, Virginia

The professionals proposed for this project team have vast experience with government projects including providing site design and design of operations facilities for National Guard, Federal, and Military agencies. They are dedicated to providing high quality, personalized service to the West Virginia Army National Guard.

We trust that the following submittal will provide information sufficient to identify Clark Nexsen as a resource for this project. 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



TABLE OF CONTENTS

1	SIGNED RFQ FORMS
2	PAST EXPERIENCE WITH SIMILAR PROJECTS
3	PROJECT TEAM
4	FIRM PROFILE & APPROACH TO THE PROJECT





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
DEFK11028

PAGE
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	FOB	FREIGHT TERMS
02/01/2011				

BID OPENING DATE: **03/15/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WV NATIONAL GUARD, DIVISION OF ENGINEERING AND FACILITIES, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR A JOINT OPERATIONS FACILITY TO BE LOCATED IN THE VICINITY OF THE WEST VIRGINIA NATIONAL GUARD STATE HEADQUARTERS IN CHARLESTON, WV PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS 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.</p> <p>DEADLINE FOR ALL TECHNICAL QUESTIONS IS 2/23/2011 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 SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 704.377.8800	DATE 3/7/2011
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).



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
DEFK11028

PAGE
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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
02/01/2011				

BID OPENING DATE: **03/15/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>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.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER:-----TL/32-----</p> <p>RFQ. NO.:-----DEFK11028-----</p> <p>BID OPENING DATE:-----03/15/2011-----</p> <p>BID OPENING TIME:-----1:30 PM-----</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 704-358-1037</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE 	TELEPHONE 704.377.8800	DATE 3/7/2011
TITLE Senior Vice President	FEIN 54-0613222	ADDRESS CHANGES TO BE NOTED ABOVE

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



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
DEFK11028

PAGE
3

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

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	FOB	FREIGHT TERMS
02/01/2011				

BID OPENING DATE: **03/15/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
----- CONTACT PERSON (PLEASE PRINT CLEARLY): Peter J. Aranyi, AIA, Principal, Senior Vice President -----						
***** THIS IS THE END OF RFQ DEFK11028 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 704.377.8800	DATE 3/7/2011
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. DEFK11028

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 Architecture & Engineering

Authorized Signature: *Clark Nexsen* Date: 3/7/11

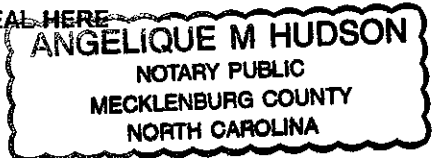
State of North Carolina

County of Mecklenburg to-wit:

Taken, subscribed, and sworn to before me this 7th day of March, 2011.

My Commission expires September 13, 2012

AFFIX SEAL HERE



NOTARY PUBLIC *Angelique M Hudson*



U.S. Joint Forces Command Joint Deployment & Maritime Operations Center - Norfolk, Virginia

Construction Cost
\$12,000,000

Size
49,298 SF

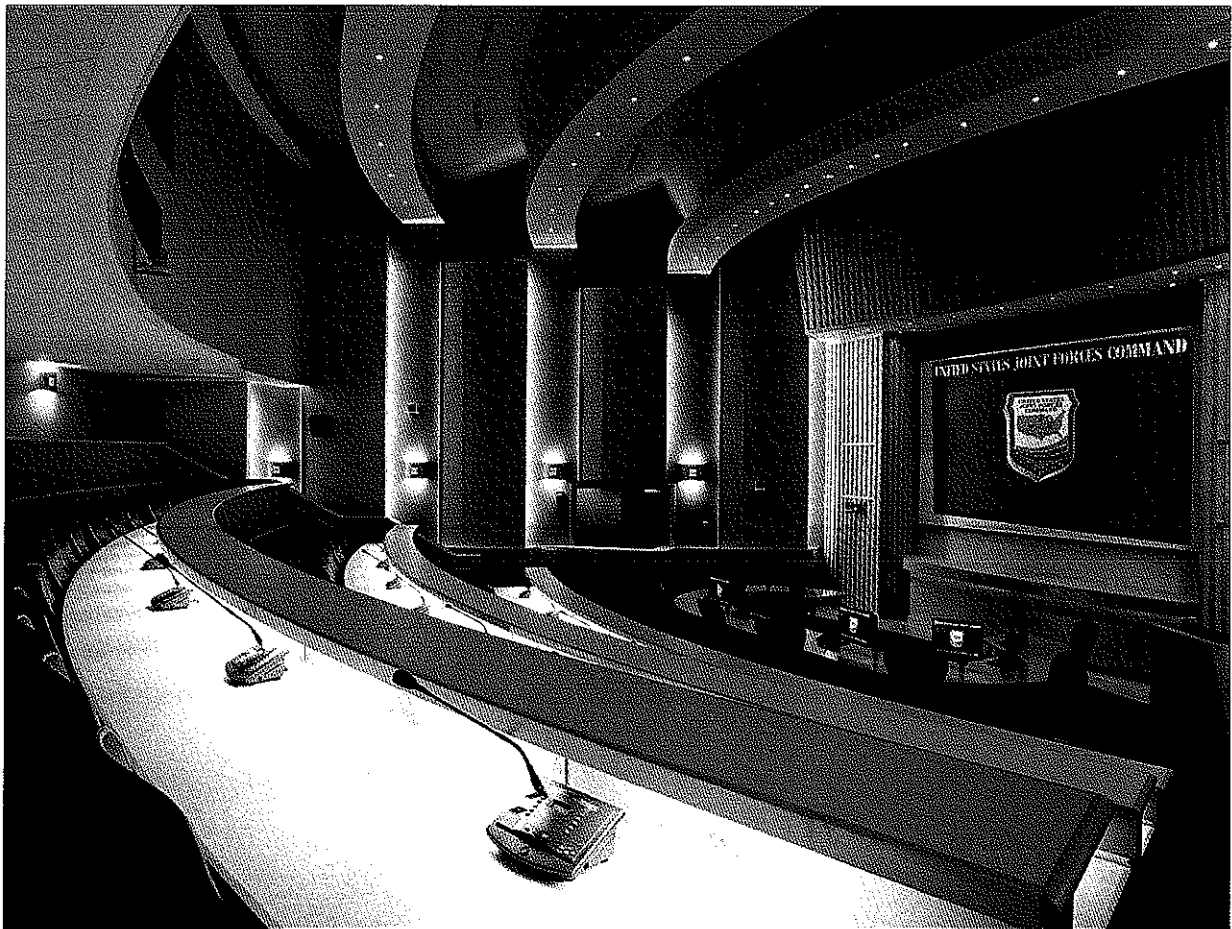
Completion Date
2009

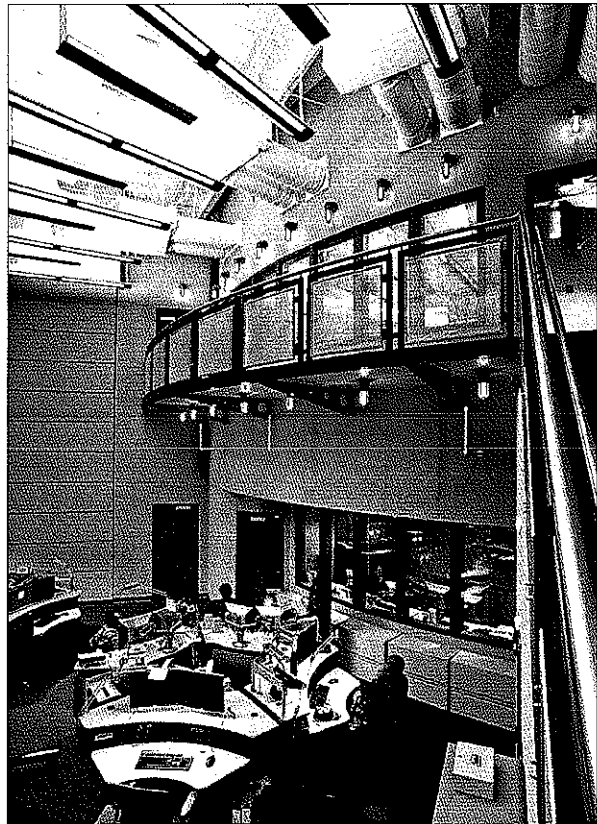
Client
NAVFAC Mid-Atlantic

Client Contact
Mr. Bryan Augsburg
757.322.8499

The combined Command Center for the United States Joint Forces and Fleet Forces Commands at the Naval Support Activity in Norfolk, Virginia was completed in August 2009 and was fully staffed and operational by October. This design consisted 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. 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.

A fundamental design concept was to create a high-performance and healthy workplace to support maximum operational efficiency and flexibility while promoting effective communications and other collaborative work processes. Indirect ambient lighting, task lighting and sound absorbing finish materials support these objectives by creating a visually and acoustically serene work environment. Ergonomic workstations are clustered to facilitate small group collaborations within the open office.





U.S. Army Defense Distribution Center Headquarters - New Cumberland, Pennsylvania

Construction Cost
\$93,000,090

Completion Date
2012 (Est.)

Client
USAED - Baltimore

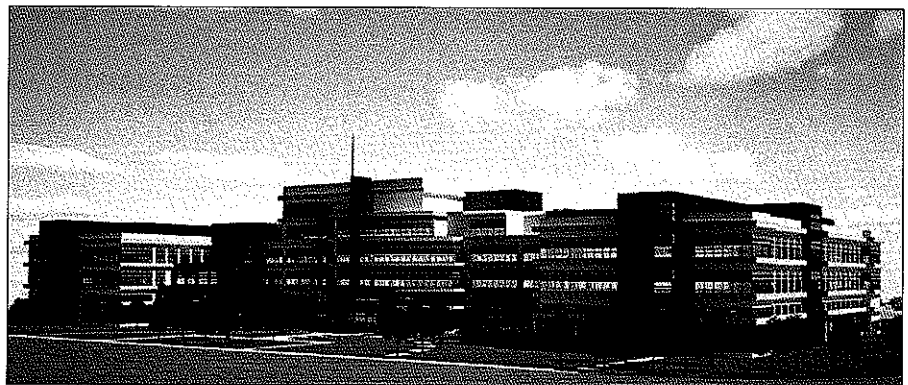
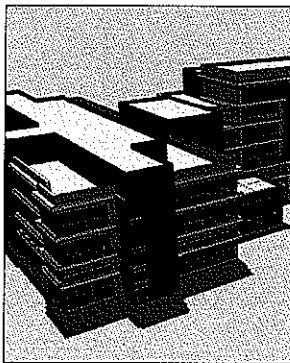
Contact
Mr. John M. Forgue
410.962.4413

This 265,000 SF, multi-story, Joint Defense Distribution Headquarters for the Command and Control of DDC Subordinate Organizations Worldwide is located along the Susquehanna River in New Cumberland, Pennsylvania. This facility will host foreign dignitaries, and visitors as well as provide administrative and conference spaces for more than 950 full-time personnel.

The Clark Nexsen Design Team provided programming and space planning efforts through our charrette process. Our team brought together stakeholders, facilities team members and design team into a week-long session. At this session, our team acquired critical data regarding department relationships, adjacency requirements, and building massing, to name a few. In addition, schematic space planning and blocking and stacking diagrams were produced that allowed the entire team to see this information graphically. This process allowed our team to verify, clarify, and categorize user groups for our next step, and we interacted with the users once again to make sure that we are "hearing" what everyone is really "saying." With the charrette and other break-out meetings, the Clark Nexsen Design Team gained a full understanding of the client's project goals.

This allowed the architectural and interior team to design the building from the inside out. The approved concept for the building design is organized in three wings and backs to a golf course, maximizing views on the upper levels. The central wing is four stories plus a mechanical penthouse and the East and West wings are three stories. The building will provide occupants with a variety of office spaces including open and private offices, various conference rooms, a 200-seat cafeteria, a 385-seat auditorium, video conferencing center, computer center with raised flooring, storage areas for filing systems, and other special purpose spaces.

Interior features include a tall 24'-0" floor-to-floor height on the ground floor with 18'-0" ceiling heights and the typical floor heights are 15'-0" floor-to-floor with 9'-6" ceilings. A typical floor plate has a three deep workstation configuration with management offices located on the perimeter and in the interior offices around the core to be as close to the personnel as possible. The interior design will function with productivity and efficiency and provide Class A corporate space reflecting the command philosophy of Visibility, Value, Velocity. The building and interiors were designed to LEED Silver and incorporate many sustainable features.



Company Operations Facility - Fort Eustis, Virginia

Construction Cost
\$15,424,000

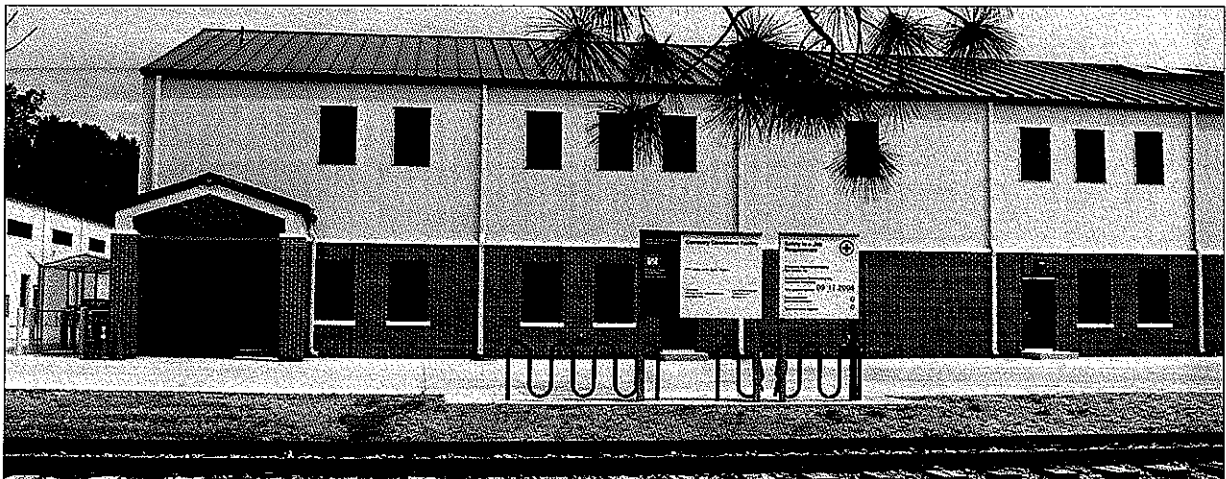
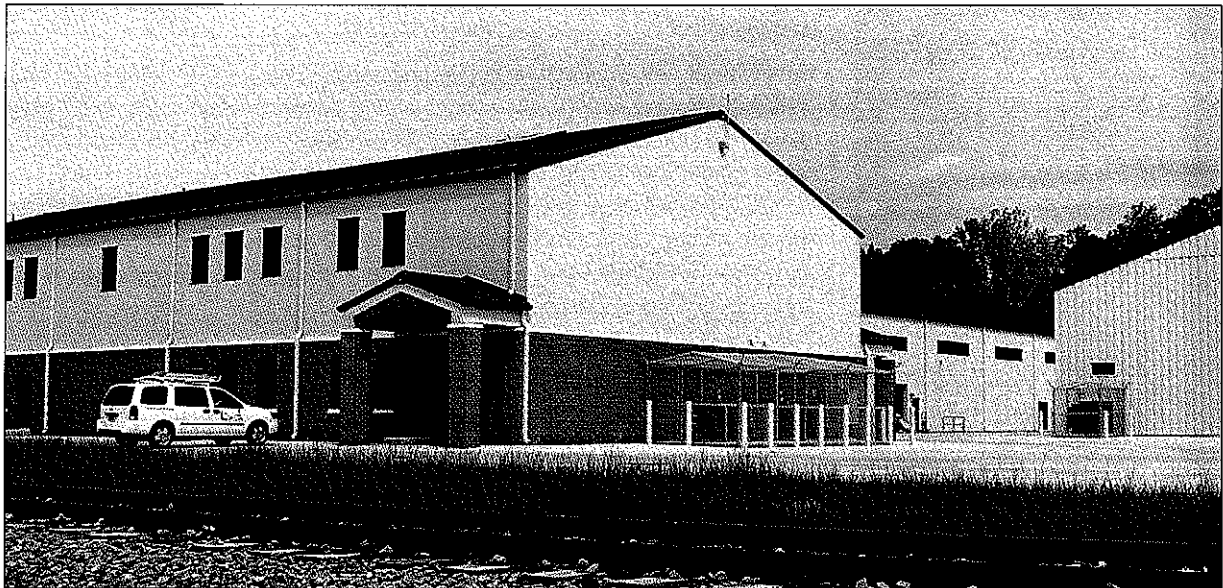
Size
Admin Area: 16,120 GSF
Readiness Module Area: 94,839 GSF

Completion Date
April 2010 (est.)

Client
The Whiting-Turner Contracting Company

Owner
U.S. Army Corps of Engineers
Norfolk District

This project is for the Design-Build construction of a Company Operations Facility that consist of four new buildings at Fort Eustis: An Administration Building that will provide space for administrative and command operations; Three Readiness Modules, each with two of the Modules housing eight offices for companies. Concrete 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 are ongoing, close proximity to the railroad tracks on one side, and wetlands-protected areas on one side. Proper coordination between Clark Nexsen, Whiting-Turner and USACOE was a must in regards to utility outages, utility renovations, and personnel access. There are also very stringent erosion control and environmental requirements that must be complied with and properly documented. This project was designed to LEED Silver standards.



Consolidate Command Ops & Support Facility - Rota, Spain

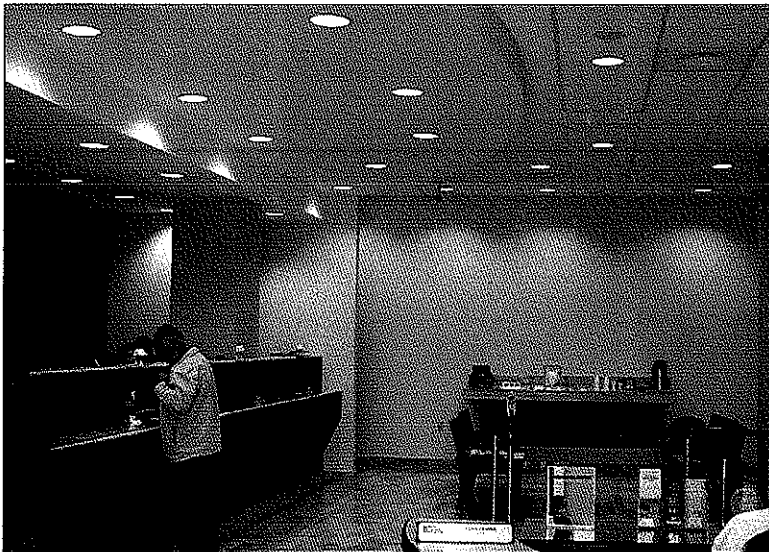
Construction Cost
\$32,700,000

Size
73,975 SF

Completion Date
2008

Client
NAVFAC - Mid Atlantic

The project consisted of the demolition of 20 buildings, the closing of an intersection and two streets, the construction of a new Command Ops Building, including the Base Commander's Offices (4500m²), construction of an Education Facility (1850 m²) and the renovation of the Base Library (735 m²). The project included the creation of a new pedestrian walking mall and major redevelopment and landscaping of the core area of the base. The work involved over 15 different tenants and 40 acres of site redevelopment, including new underground HTHW and electrical distribution along with all aspects of Anti-Terrorism / Force Protection.



Joint Transformation & Experimentation Center - U.S. Joint Forces Command, Suffolk, Virginia

Construction Cost
\$19,592,000

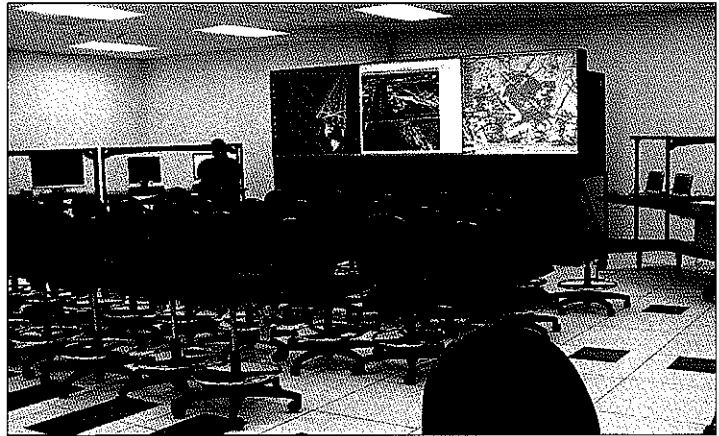
Size
100,000 SF

Completion Date
2005

Client
Tri-City Developers, LLC

Client Contact
Mr. Michael Haas
757.483.5888

Clark Nexsen transformed an existing 100,000 SF warehouse in Suffolk, Virginia into a state-of-the-art facility to support JFCOM's JTEC group. JTEC pioneers the development and implementation of JFCOM's computer simulated training technologies. The new facility includes 5,000 SF of office space, 60,000 SF of computer lab space and 35,000 SF of warehouse space. To compensate for the absence of windows in this high security building, a lively combination of accent wall colors, floor patterns and dramatic lighting were introduced throughout the building creating a visually stimulating work environment. The dramatically geometric design of the entrance lobby is flooded with light through a 30' high glass curtainwall. An aluminum clad triangular canopy penetrates the curtainwall and floats above the interior lobby. 50,000 SF of raised access flooring facilitates distribution of the miles of data cabling required to support this facility. Large scale networked computer labs support collaborative audio visual work environments where groups can view information from large projected images in a theater-like setting. Video conferencing capabilities support audio visual communications with remote working groups. The facility was turned over to GSA in June within six months of start of construction.



Bogalusa Readiness Center - Bogalusa, Louisiana

Construction Cost
\$17,000,000

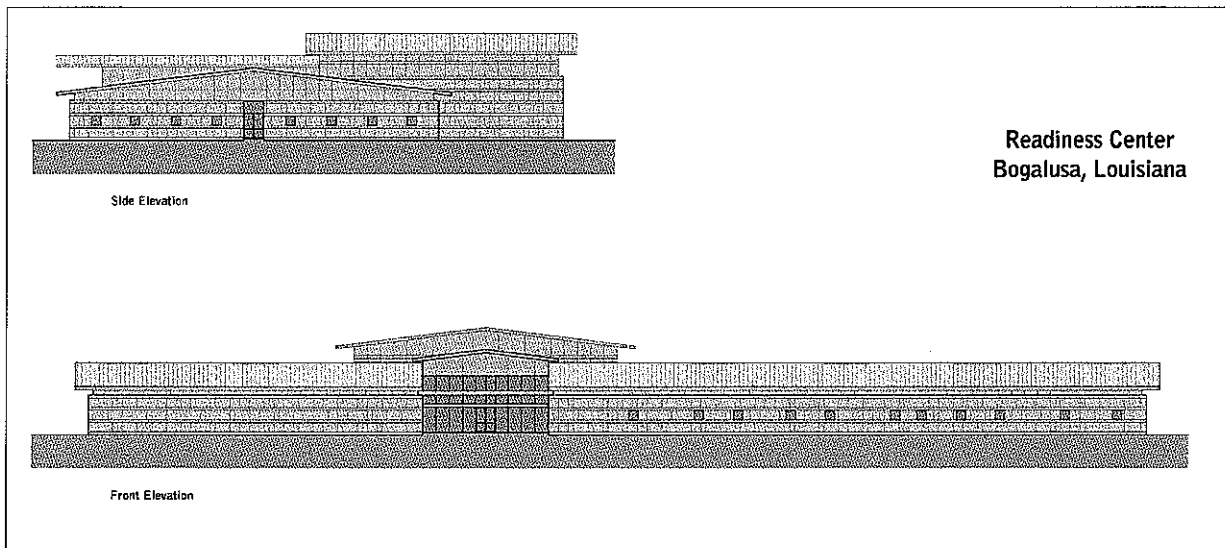
Size
48,000 SF

Completion Date
2007

Client
Louisiana Army National Guard

Contact
Capt. Eric Russell
985.517.2047

The project consisted of a 48,000 SF National Guard Readiness Facility with associated military vehicle parking and service areas. The building and site requirements include Anti-Terrorism / Force Protection compliance and Gold level Spirit (Green) Design. The design had to comply with local codes and the Army National Guard Design Standards outlined in 415 Design Manual Series. The Bogalusa Readiness Center is a facility to house the 205th Battalion of Engineers for the LAARNG. This facility is the dominant presence of the LAARNG in the Bogalusa and the surrounding area. The Readiness Center is the headquarters building, containing the administrative offices, classrooms, locker rooms, toilets and showers, and an assembly hall. The primary function of this Readiness Center is to serve as a positive environment for the assigned unit or units to carry out their training for possible mobilizations, as well as providing a means by which to store and maintain all of their equipment and vehicles necessary to be effective in their mobilization missions. During the time the unit(s) are not performing physical training and maneuvers, they will be working or studying within the Readiness Center, utilizing the classrooms, library, learning center, physical fitness area, or the assembly hall.



TRADOC Headquarters Relocation - Fort Eustis, Virginia

Construction Cost
\$78,078,000

Size
263,676 SF

Completion Date
2007

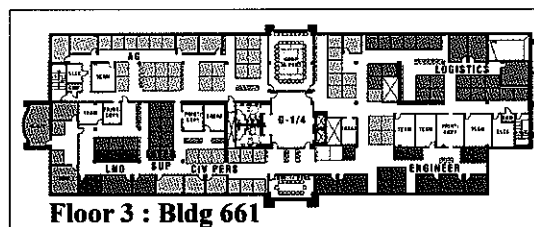
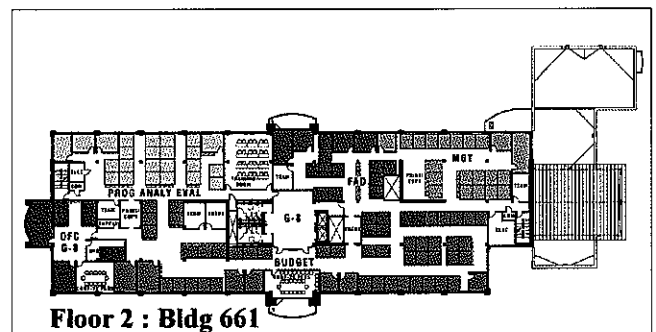
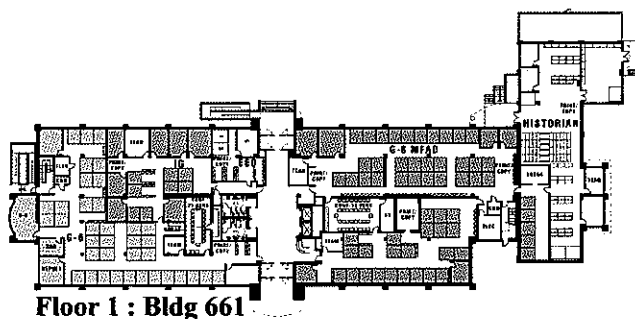
Client
U.S. Army Corps of Engineers

Clark Nexsen developed the Design-Build RFP for the relocation of Headquarters, Training and Doctrine Command (TRADOC) from Fort Monroe, VA to Fort Eustis, VA. The project included construction of a New Headquarters Building (263,676 SF) and the required site improvements and supporting facilities. The new Headquarters Building was based on the criteria outlined in UFC 4-140-03, Command and Control Facilities Standard Design. The development of the RFP required significant programming and concept design efforts to define the project requirements for competitively bidding the project.

The New Headquarters Building accommodates approximately 1,220 personnel in open administrative office areas, private offices, administrative support areas and Commanding General and General Officer Suites. Special functions include Sensitive Compartmented Information Facility (SCIF), secure operational and unclassified conference and Video Tele-Conference (VTC) space, Special Access Programs Facility (SAP), Operations Center (OC) and a secure VTC capable auditorium. The entire building will be on raised access flooring with a complete IT infrastructure throughout the building including both NIPR and SIPR capability. Other building support spaces include break areas, team rooms, mechanical, electrical, telecommunications, circulation, storage and receiving, restrooms and other support spaces as noted in the building program.

The Operations Center in this facility is a secure area with restricted access and is similar to an emergency operations center in a city or county. Each representative of the various TRADOC Directorates shall have a workstation connected to all critical networks. The OC shall accommodate Government furnished audio-visual display television screens and monitors. In addition to the main floor, the OC provides areas adjacent to the floor for smaller collaborative meetings. The OC is isolated from non-operational traffic and has access to a loading area to assist in transferring equipment to vehicles or trailers during deployments.

Site improvements include paved vehicle circulation and parking, paved pedestrian circulation, all required utility systems and connections, storm drainage systems, Anti-Terrorism / Force Protection measures, and landscaping.



U.S. Coast Guard, Operational Command Center - Tidewater, Virginia

Completion Date
2008

Client
U.S. Coast Guard CEU Cleveland

Contact
Mr. Andy Kaminski
216.902.6242

Clark Nexsen was retained under contract by the Department of Homeland Security, United States Coast Guard, Civil Engineering Unit Cleveland to prepare a Planning Proposal to establish and consolidate the OPCOM Implementation and the OPCOM Command Center in the Tidewater Area of Virginia.

The mission is intended to be fulfilled through a new Coast Guard Operations Command Center (CGOCC) with administrative support personnel and related facilities as one of a number of key parts of the Coast Guard Modernization effort. The purpose of the Planning Proposal was to identify the most beneficial, functional, and cost effective method of accommodating the final operating capability for the OPCOM Implementation process and recommend it as the Preferred Alternative.

This determination had to be based upon how effectively each developed alternative met Planning Factor criteria including Space Planning and Special Purpose Space Requirements and the conclusion recommended that a new construction project, designed as a build to suit, implemented through a GSA lease.

The planning methodology focused on two primary objectives. First was to fully evaluate planning factors relating to personnel, the Command Center and special purpose facility requirements of an existing occupied Federal Building and second was to fully evaluate the impact of the additional planning factors on each Potential Alternative as needed to accommodate minimum Anti-terrorism and Force Protection requirements.

The Clark Nexsen Design Team provided programming and space planning efforts through our charrette process. During the programming and space planning charrette effort, our team brought together stakeholders, facilities team members and design team into a two-day session. At this session our team acquired critical data regarding department relationships, adjacency requirements, and building massing, to name a few. In addition, schematic space planning and blocking and stacking diagrams were produced that allowed the entire team to see this information graphically. This process allowed our team to verify, clarify, and categorize user groups for our next step, and we interacted with the users once again to make sure that we are "hearing" what everyone is really "saying." With the charrette and other break-out meetings, the Clark Nexsen Design Team gained a full understanding of the client's project goals

Following the charrette, The Clark Nexsen Design Team provided a comprehensive Basic Facility Requirements study which was undertaken to document the personnel and square footage assignments related to special facilities such as an auditorium, fitness center, lunch room as well as circulation and building core areas required by the OPCOM Implementation and the Command Center. Square footage assignments were taken from the Coast Guard Shore Facilities Standards Manual and standard office building design criteria.

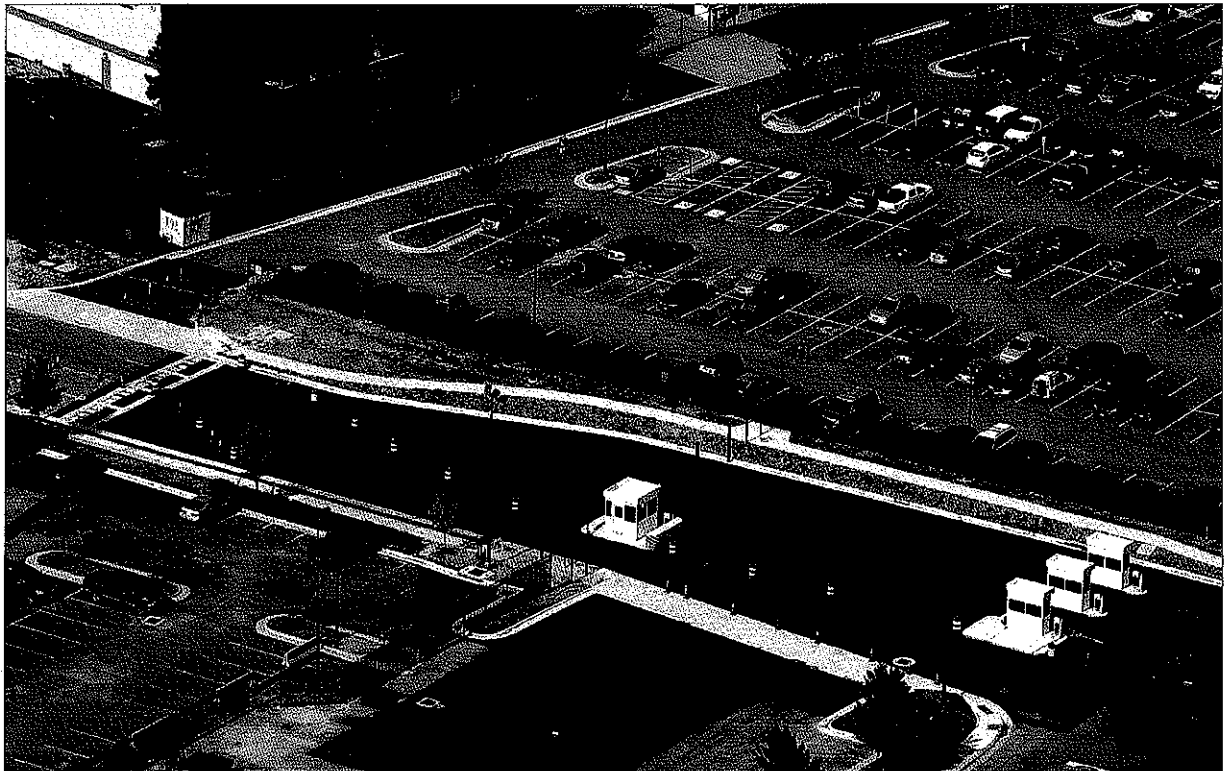
JFCOM AT/FP Entry Control Facility - Suffolk, Virginia

Construction Cost
\$1,975,261

Completion Date
2010

Client
Tri-City Developers, LLC

This project consisted of designing an entry control facility and associated pass office as well as a truck inspection pavilion. Design included a pre-fabricated 20' x 30' pass office with associated 22 space parking area and bathroom facilities within the facility, three pre-fabricated guard houses at the entry control point, two single pre-fabricated guard houses at a truck bypass lane and at an exit point with a motorized sliding gate. The entrance road design was coordinated with local VDOT staff. Design was provided for an elevated firing position beyond the entry control point and pop-up vehicle barriers to be controlled by personnel in the guard houses. A four-lane, uncovered stationary, paved, truck inspection pavilion was provided as well.





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 operations facilities.



West Virginia Army National Guard Joint Operations Facility

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

Mechanical Engineering
Jon Dover, PE, LEED AP

Fire Protection Engineering
Chris Born, PE, LEED AP

Interior Design
Susan Drew, CID, IIDA, LEED AP

Electrical Engineering
Scott Christopher, PE, LC, LEED AP

Plumbing Engineering
Larry Knight

Construction Administration
David Moniot, AIA, LEED AP

Structural Engineering
James Spady, PE, LEED AP

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

Consolidate Command Ops & Support Facility
NAVFAC - Mid Atlantic
Rota, Spain

The project consisted of the demolition of 20 buildings, the closing of an intersection and two streets, the construction of a new Command Ops Building, including the base commander's offices (4500m2), construction of an Education Facility (1850 m2) and the renovation of the base Library (735 m2). The project included the creation

of a new pedestrian walking mall and major redevelopment and landscaping of the core area of the base. The work involved over 15 different tenants and 40 acres of site redevelopment, including new underground HTHW and electrical distribution along with all aspects of anti-terrorism/force protection.

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.

Barracks Complex
Naval Facilities Engineering Command
Camp Ederle, Vicenza, Italy

This new Barracks Complex supports the growing number of enlisted personnel assigned to Camp Ederle. This project was required to fulfill the facility and utility support infrastructure requirements associated with the new airborne battalion's headquarters and headquarters company, three rifle companies, a fire support element, and a long-range surveillance detachment. The four-story barracks are divided between two separate building sites having a maximum combined utilization of 300 personnel. This project received a Silver rating under the LEED Green Building Rating System and is the first Department of Defense LEED Certified project in Europe.

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

**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.

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.

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.

JFCOM AT/FP Entry Control Facility
U.S. Joint Forces Command
Suffolk, Virginia

This project consisted of designing an entry control facility and associated pass office as well as a truck inspection pavilion. Design included a pre-fabricated 20' x 30' pass office with associated 22 space parking area and bathroom facilities within the facility, three pre-fabricated guard houses at the entry control point, two single pre-fabricated guard houses at a truck bypass lane and at an exit point with a motorized sliding gate. The entrance road design was coordinated with local VDOT staff. Design was provided for an elevated firing position beyond the entry control point and pop-up vehicle barriers to be controlled by personnel in the guard houses. A four lane uncovered stationary, paved, truck inspection pavilion was provided as well.

Education

Bachelor of Science
Landscape Architecture
West Virginia University
1973

Professional

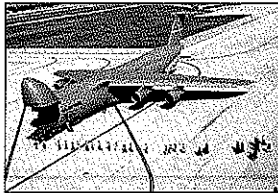
Commission U.S. Army Corps of
Engineers
May 1973- November 1974

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.



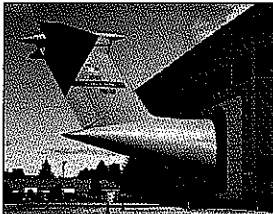
2000 - 2011- Project Engineer for 167 Airlift
Wing Conversion from C-130n Hercules to
C-5 Galaxy (Largest Air Frame in U.S. Air
Force inventory, second largest airframe
in the world). Project involved a complete
rebuild of the existing Base expanding
from 105 acres to 348 acres. Management
of design 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.

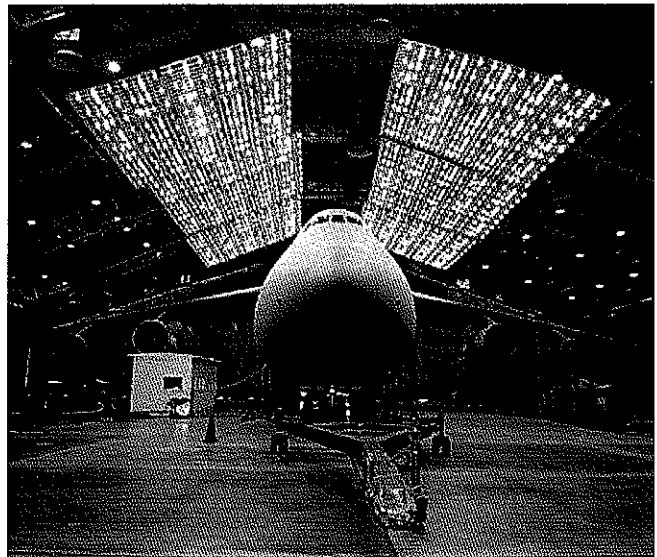
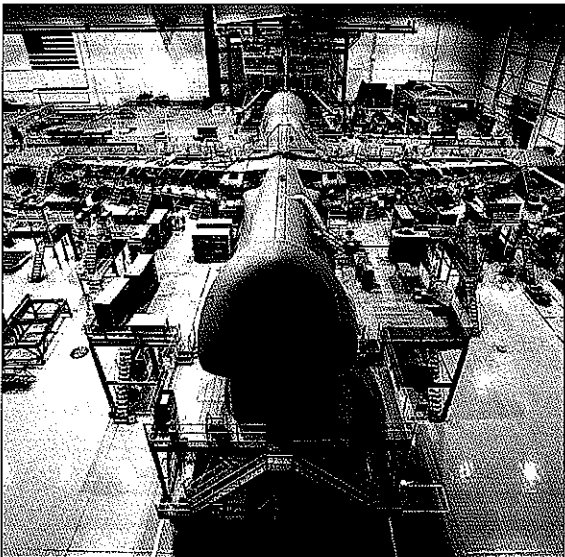
- Airfield Control Tower: 120' high control tower consisting of administration area, air traffic control area, mechanical and electrical systems, fire suppression and alarm system, site utilities, and site grading asphalt paving.
- 174,000 SF General Purpose Maintenance Hangar & Shops: Consisting of 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 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

U.S. JFCOM Joint Deployment & Maritime Operations Centers
NAVFAC - Mid Atlantic
Norfolk, Virginia

This design 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. This new project has expanded and modernized the installation into a world-class, state-of-the-art facility for the two Commands. A fundamental design concept was to create a high-performance and healthy workplace to support maximum operational efficiency and flexibility while promoting effective communications and other collaborative work processes.

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.

Administrative & Technical Support Facility
Federal Bureau of Investigation
Quantico, Virginia

Clark Nexsen provided site analysis, programming, and master plan development for Administrative and Technical Support Facility. This phased program combines various components into one complex of facilities totaling over 47,800 SM on one site. The facility includes administrative offices for over 400 personnel, food service facilities, multimedia training classrooms, warehousing storage, physical agility training facilities, vehicle storage, and a 400-car parking garage.

Tenant Improvement Designs for Joint Technology Exploration Center (JTEC)
General Services Administration
Suffolk, Virginia

Clark Nexsen transformed an existing 100,000 SF warehouse into a state of the art facility to support JFCOM's JTEC group. JTEC pioneers the development and implementation of JFCOM's computer simulated training technologies. The new facility includes 5,000 SF of office space, 60,000 SF of computer lab space and 35,000 SF of warehouse space.

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

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.

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 as 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 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 Engineers,
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

**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.

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.

**KAVE Building Addition to Joint Technology
Exploration Center (JTEC)**
General Services Administration
Suffolk, Virginia

This project was Phase III of III. Phase III added a two-story, 7,300 SF suite to the existing building to support a three dimensional audio visual simulation space called the KAVE. The addition provides a dedicated server room to support the KAVE environment. A second floor balcony overlooks the KAVE, allowing direct observation of real time simulations within the KAVE enclosure. Additionally, the audio visual signal can be exported to the adjacent "wall of knowledge" within the JIL Suite or to other secure remote sites. This interactive 3D AV laboratory has enabled the Joint Intelligence Laboratory to expand and enhance their research and analysis of information. The JTEC is 100,000 SF of high tech office and research space for the U.S. Joint Forces Command.

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.

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 for 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

Headquarters Facility - Defense Distribution Center

U.S. Army Corps of Engineers
New Cumberland, Pennsylvania

This 265,000 SF, multi-story, Joint Defense Distribution Headquarters for the Command and Control of DDC Subordinate Organizations Worldwide is located along the Susquehanna River in New Cumberland, Pennsylvania. This facility will host foreign dignitaries, visitors as well as provide administrative and conference spaces for more than 950 full-time personnel. The Clark Nexsen Design Team provided full architectural, engineering and interior design services for this new facility.

Warrior Transition Unit Administrative Complex

Walter Reed Medical Center
Bethesda, Maryland

The Warrior Transition Unit program has been developed around a care model that focuses on the warriors' ability to return to duty and some semblance of normal life, to become independent and enjoy the freedoms that they have fought for so valiantly. This Warrior Transition Campus includes a Bachelor Enlisted Quarters, dining hall, administration addition to the Physical Fitness Center, parking garage, including re-use of Building 17 that provides access to the main entrance.

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

NCIDO 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

U.S. JFCOM 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

**Consolidate Command Ops & Support Facility
NAVFAC Mid Atlantic
Rota, Spain**

The project consisted of the demolition of 20 buildings, the closing of an intersection and two streets, the construction of several new buildings and the creation of a new pedestrian walking mall and major redevelopment and landscaping of the core area of the base. New facilities included a new Command Ops Building, including the base commander's offices, an Education Facility, and the renovation of the base Library.

**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 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.

**Global Headquarters for Operation Smile
Virginia Beach, Virginia**

This new 75,000 SF world headquarters building will create a new campus environment along with the new health professionals building and future child development center at Tidewater Community College. Sustainable design principles have been incorporated into the site and building design with a goal of achieving LEED platinum certification. The building includes office spaces, training facilities, theater, and warehouse. The lobby will feature an interactive video display exhibiting the success stories and mission of Operation Smile worldwide.

**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

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

Headquarters Facility - Defense Distribution Center

U.S. Army Corps of Engineers
New Cumberland, Pennsylvania

This 265,000 SF, multi-story, Joint Defense Distribution Headquarters for the Command and Control of DDC Subordinate Organizations Worldwide is located along the Susquehanna River in New Cumberland, Pennsylvania. This facility will host foreign dignitaries, visitors as well as provide administrative and conference spaces for more than 950 full-time personnel. The Clark Nexsen Design Team provided full architectural, engineering and interior design services for this new facility.

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.

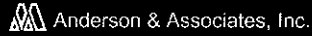
Warrior Transition Unit Administrative Complex

Walter Reed Medical Center
Bethesda, Maryland

The Warrior Transition Unit program has been developed around a care model that focuses on the warriors' ability to return to duty and some semblance of normal life, to become independent and enjoy the freedoms that they have fought for so valiantly. This Warrior Transition Campus includes a Bachelor Enlisted Quarters, dining hall, administration addition to the Physical Fitness Center, parking garage, including re-use of Building 17 that provides access to the main entrance.

**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.



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,

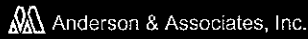
landscaping, connection and circulation to approximately twenty exterior building access points, as well as two vehicular site access points.

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.



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

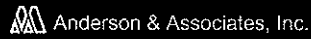
Beckley Sanitary Board
City of Beckley, West Virginia

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.



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:

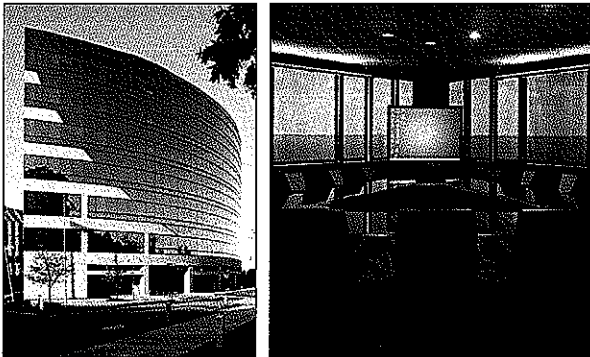
**213 South Jefferson, Suite 1011
Roanoke, Virginia 24011**

Additional Offices:

- Charlotte, North Carolina
- Richmond, Virginia
- Norfolk, Virginia
- Washington, DC
- Raleigh, North Carolina

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.



Virginia Advanced Shipbuilding & Carrier Integration Center
Northrop Grumman, Newport News, Virginia

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

Firm Profile & Approach to the Project

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.



Personnel Support Facility, Virginia Beach, Virginia
LEED NC-Silver Certified

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 West Virginia, 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 operations facilities 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 Joint Operations Facility 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.



U.S. Joint Forces Command Joint Deployment & Maritime Operations Center, Norfolk, Virginia

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 a Joint Operations Facility 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. Ongoing 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

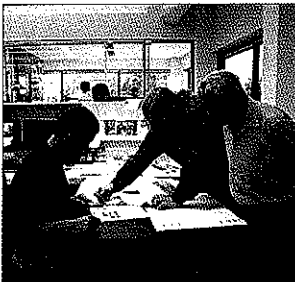
Discipline Coordination

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

Firm Profile & Approach to the Project

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 Joint Operations Facility design 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.