

**St. Mary's Correctional Center
New Buildings and Renovations
St. Marys, West Virginia**

**Sealed Bid
Buyer: John Abbott (32)
RFQ#: COR61430**

**Expression of Interest
Architectural and Engineering Services**

**August 27, 2009
1:30 pm**

RECEIVED

2009 AUG 24 P 12: 51

PROCURING DIVISION
STATE OF WV



20 August 2009

Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305-0130

RE: EOI for Division of Corrections, St. Mary's Correctional Center, St. Marys, West Virginia

Mr. Abbott:

It is with great pleasure that I submit this Expression of Interest for St. Mary's Correctional Center for the Division of Corrections in St. Marys, West Virginia. **Paradigm Architecture, Inc.** has partnered with the renowned firm **Arrington Watkins Architects** to deliver you the highest quality of personal service, design expertise, project management, and quality control throughout the course of this project. Both firms have a primary focus of providing exceptional client service. By combining our talents and experience, we will provide you with a unique, collaborative team of specialization in Criminal Justice, Correctional, and Institutional project types that will make this project a success!

Located in Morgantown, WV, **Paradigm Architecture** has successfully completed many Institutional and Governmental projects, including current projects for **West Virginia University** in Morgantown, WV and Fairmont State University, in Fairmont, WV. We have been working with these clients for a number of years on a variety of project types, including athletic facilities, student housing, parking garages, and master planning. In addition we have active projects with the **US Department of Energy** and the **US Department of Agriculture**, both located in Morgantown, WV. Our staff also has abundant experience with similar facilities and clients while working at other firms. These local clients include **Stevens Correctional Facility, Charleston Federal Center, and Clarksburg Federal Center.**

Located in Phoenix, AZ, **Arrington Watkins Architects** is excited about another opportunity to work in the eastern United States. Their Criminal Justice portfolio includes work with **The Federal Bureau of Prisons** and the **Departments of Correction for Arizona, Colorado, Nevada, Oklahoma, and Virginia.** Designing everything from local county jail expansions to maximum security US Penitentiaries, their expertise will bring an unmatched level of creative solutions to this project. Of particular interest is Mr. Arrington's personal attention to every project. He is an active member of **ACA (American Correctional Association)** and has published several articles on Correctional Facility Design. He has designed over **\$1.6 billion** worth of Federal, State, and Local facilities across the United States.

We have assembled a team of highly qualified consultants with appropriate project experience and technical ability to complete this project. Local firms **KCI Technologies** and **Allegheny Design Services** will provide Civil and Structural Engineering services respectively. Paradigm Architecture has extensive professional relationships with these engineers, and we have successfully completed many projects together. Highly recommended by Arrington Watkins Architects due to their Criminal Justice expertise and past working relationships, **Darr and Collins, LLC** will provide Mechanical, Plumbing, and Electrical Engineering services, while **Buford Goff & Associates, Inc.** will provide Security and Communications Consulting services. Our team shares our commitment to service and quality and is excited about this project!

It is our goal to provide a high level of personal service and design solutions that reflect the unique image and purpose of our clients. We welcome the opportunity to work with you on this project!

Best regards!


Paul Walker, AIA
President, Paradigm Architecture

2450 Valleydale Road • Suite 150
Birmingham, AL 35244
Tele 205•403•2742 205•403•2743 Fax

2223 Cheat Road • Suite 300
Morgantown, WV 26508
Tele 304•284•5015 304•284•5014 Fax



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
COR61430

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT
304-558-2544

VENDOR

RFQ COPY
TYPE NAME/ADDRESS HERE

Paradigm Architecture
 2223 Cheat Rd, Suite 300
 Morgantown, West Virginia 26508

SHIP TO

DIVISION OF CORRECTIONS
ST. MARYS CORRECTIONAL CENTER
(COLIN ANDERSON CENTER)
STATE ROUTE 2
ST. MARYS, WV
26170 **304-558-2036**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/03/2009				
OPENING DATE: 08/20/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
01	1	LS		906-07		
<p>ARCHITECT SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>CONTRACT TO PROVIDE ARCHITECT & ENGINEERING SERVICES FOR THE WEST VIRGINIA DIVISION OF CORRECTIONS, ST. MARY'S CORRECTIONAL CENTER, ST. MARYS, WV, PER THE ATTACHED DOCUMENTATION.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>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: JOHN ABBOTT (32)</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
<i>[Signature]</i>	TELEPHONE	(304) 284-5015	DATE
President	FEN	63-1263568	8/18/2009
ADDRESS CHANGES TO BE NOTED ABOVE			

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



State of West Virginia
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				RFQ. NO.:		
				BID OPENING DATE:		
				BID OPENING TIME:		
				PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:		
				(304) 284-5014		
				CONTACT PERSON (PLEASE PRINT CLEARLY):		
				Paul A. Walker		
				***** THIS IS THE END OF RFQ COR61430 ***** TOTAL:		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE (304) 284-5015	DATE 8/18/2009
PRESIDENT Paul A. Walker	FAX 63-1263568	ADDRESS CHANGES TO BE NOTED ABOVE

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STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: 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.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

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 materials, 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.

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, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, 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.

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>.

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.

Vendor's Name: Paradigm ArchitectureAuthorized Signature:  Date: 8/18/2009



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08/17/2009				

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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDEDNDUM #01		
				THIS ADDENDUM IS ISSUED TO MODIFY THE ORIGINAL REQUEST FOR QUOTATION SPECIFICATIONS, PER THE ATTACHED DOCUMENTATION, AND EXTEND THE BID OPENING DATE FROM 8/20/09 TO 8/27/2009.		
				REVISED BID OPENING DATE: 8/27/2009; 1:30 PM		
1	1	LS		906-07		
				ARCHITECT SERVICES, PROFESSIONAL		
***** THIS IS THE END OF RFQ COR61430 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: TELEPHONE: (304) 284-5015 DATE: 8/18/2009

President FEIN: 03-1263568 ADDRESS CHANGES TO BE NOTED ABOVE

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



Firm Profile

Paradigm by definition means an example that serves as pattern or model. The goal of Paradigm Architecture is to be an example in client service, design quality, and technical proficiency. We practice architecture. For every project, Paradigm works closely with the unique requirements of the particular client to design a structure that reflects both the appropriate image and proper function to optimize the working or living environment.

EXPERIENCE

Paradigm Architecture has experience in a broad range of project types. This work includes private individual, corporate, governmental, educational, and institutional clients.

Governmental:

Members of Paradigm have been involved in projects for the Federal Government in Charleston and Clarksburg, West Virginia. These commissions were awarded through design competitions and involved office space for Social Security, the Federal Bureau of Investigation, the Drug Enforcement Agency, the Small Business Administration, and hearing rooms for SSA Hearings and Appeals. Paradigm is also currently involved in several projects for the GSA in the Morgantown area.

Residential:

Paradigm's residential experience spans a variety of client types. Student Housing/dormitory facilities for higher education, hotel projects, elderly housing, and private residential that includes single family homes, townhouses, and high end condominium units.

Corporate:

Paradigm has designed entire office buildings as well as tenant fit-up spaces for clients such as Jackson Kelly PLLC, A.G. Edwards, Acordia, Petroplus & Associates Inc., National Biometric Security Project, Simpson & Osborne, DMJM Harris, and the West Virginia University Foundation. Projects also include banking regional and branch offices.

Educational:

Higher Educational experience includes administrative office space, parking facilities, student housing, libraries, student centers, athletic facilities, and classroom and research laboratory facilities. We have worked on campuses that include: West Virginia University, Fairmont State University, Davis and Elkins College, The College of West Virginia, Hampden Sydney College, Wake Forest University, Ayers State Technical College, The University of North Carolina at Greensboro, and The University of Alabama at Birmingham. Paradigm's staff has also been involved in educational facilities at the elementary and high school level including new and renovated buildings.

Religious:

Paradigm has had the distinct privilege of working on a variety of churches and other religious projects. Among them are: Chestnut Ridge Church, Goshen Baptist Church, Daniels Missionary Baptist Church, The Greek Orthodox Church, A Flame for Christ Ministries, Southridge Church, Family Life Assembly, Faith United Methodist Church, and Chestnut Mountain Ranch in West Virginia and Mountaintop Community Church, Fullness Christian Fellowship, Cahaba Ridge, A Church with a Vision, and The Foundry in Alabama.

Institutional:

Medical and retirement life care projects dominate our staff's institutional portfolio. Medical projects include outpatient surgery centers, patient care rooms, emergency medicine, surgery suites, labor & delivery suites, Magnetic Resonance Imaging, X-ray diagnostic services, and heart catheterization spaces for hospital clients, radiation and chemotherapy treatment areas in cancer centers, and professional medical office space for private physicians. Retirement life care facilities range from independent elderly housing and assisted living facilities to full nursing care centers.

Paradigm - (pär'e-dim') n. An example that serves as pattern or model.



Firm History

Paradigm Architecture was formed in October of 2000 by a group of likeminded individuals who believe that architecture provides the opportunity to practice the career that we love. We as individuals and as team members of a firm have a responsibility to exhibit that passion in the manner in which we live our lives.

We chose the name Paradigm because it means a model that serves as an example.

This represents our highest ideals...
that our architecture would serve as an example
that our client service would serve as an example
that our service to our God would serve as an example

Originally established in Birmingham, Alabama, Paradigm Architecture expanded in 2002 by opening an office in Morgantown, West Virginia. Our staff of eleven includes five registered architects, one intern architect, three CAD designers, and two administrative assistants. We utilize the most current technical hardware and software including AutoCAD, Revit, 3D site and building rendering programs, and Speclink specifications software.

It is our belief that we should assemble consultants that are uniquely skilled to satisfy the particular requirements of a project. We have close professional relationships with many engineers and specialized consultants and choose those that we feel will best serve the technical specialization, location of the work and sometimes even personality of the client. We choose not to work with firms who do not share our commitment to service and quality.

We are proud to have been involved in numerous projects, which have been honored with Excellence in Construction awards by the Associated Builders & Contractors, Inc.:

- 2007 – Waterfront Marina, Morgantown, West Virginia
- 2007 – Chestnut Ridge Church, Morgantown, West Virginia
- 2004 – Madden Student Center at Davis and Elkins College, West Virginia
- 2004 – Two Waterfront Place Hotel and Conference Center, Morgantown, West Virginia
- 2003 – The Jackson Kelly Building, Morgantown, West Virginia

We have also been honored with:

- 2008 – Best New Construction Award from Main Street Morgantown for Marina Tower, Morgantown, West Virginia
- 2008 – Best New Office Award from Main Street Morgantown for Spilman Thomas Battle, Morgantown, West Virginia
- 2004 – The Top Block Award from the Alabama Masonry Institute for Russell Professional Office Building III, Alexander City, Alabama
- 2004 – The Circle of Design Excellence Award from the Pittsburgh Corning Glass Block for Lightning Strikes Family Fun Center, Trussville, Alabama

We are currently involved with Green Construction on the following projects:

- 2009 – United States Department of Energy Office of Legacy Management, Morgantown, West Virginia
(LEED Gold Certification is pending)
- 2009 – United States Department of Agriculture Office Building, Morgantown, West Virginia
(LEED Certification is pending)

Paradigm Architecture has established a solid base of clientele in both Alabama and West Virginia. We continue to develop business relationships, which promote additional growth and further expand our project repertoire. We look forward to every opportunity to demonstrate our commitment to serving as an example in architecture.



Quality Control and Management

Teamwork

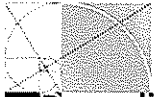
It has always been our philosophy that successful projects are the result of successful team relationships. And on any given construction project there are a lot of relationships that come into play: owners, developers, facilities managers, architects, engineers, contractors, subcontractors, financial institutions, attorneys, code agencies, tenants... We have learned a lot about how to work successfully together with all parties involved. Every project, whether large or small, is unique and requires strong leadership. Being a small business, you can be assured that local, senior staff and an experienced project manager will be assigned to all of our projects. Based on the specific requirements of the project, we always put together a team of consultants and staff who would best serve the needs of that individual project and client – while always maintaining a constant flow of communication and personal service with the owner. We have relationships with some of the best consulting companies in the region and the country to bring together the appropriate talents to meet the needs of a particular project. We currently have active relationships with consultants in WV, AL, IN, MI, OH, TX, NY, and PA.

Technology

Paradigm Architecture prides itself on streamlining our project delivery and management methods. One of the ways we do this is to utilize the latest technology, including web based project collaboration sites, electronic communication, electronic submittals for review and approval, video conferencing and the latest software packages for 3d renderings, Computer Aided Drafting (CAD), and Building Information Modeling (BIM). Our current software packages include Autocad Architecture 2009, Revit Architecture 2009, 3d Studio, and Speclink. Far from the older methods of hand drafting, these tools help us to deliver faster and better coordinated projects, have fewer problems in the field, and provide the owner with excellent visualization tools during project development. We are always pursuing additional training and education for all our staff, including "in house" workshops, seminars, and online education for topics such as green building, BIM, project delivery and management, and current codes.

Project Delivery

We have successfully used a wide range of project delivery types on both public and private projects: design-bid-build, negotiated, design-build, develop-design-build, fast track, construction management agency, and construction management where the construction manager is also the contractor. We have extensive experience on fast-track construction projects, ranging from \$1 million to \$35 million. We assist the owner in developing critical path items and developing multiple early release packages while the design is still ongoing. These packages typically include initial site work, foundation, superstructure, long lead equipment, shell, and interior fit out. Although there are greater risks that must be assumed by the owner with this method, the benefits from meeting tight deadlines typically outweigh these risks. Expedient decisions must be made by all involved and open lines of communication and transparency are crucial. On any given type of project delivery, we have a quality control plan that includes developing an initial schedule with the owner for the entire project through the design, bid, and construction phases. Milestone points will be established and will include deliverables from both the design team and the owner. These milestone points will include sets of progress drawings and specifications for



Quality Control and Management

both the owner's and design team's review. We have an extensive "in house" coordination and review process that includes engineering coordination, specification coordination, code and life safety reviews, and the owner's program review. Before moving to each subsequent phase, the Owner will have an opportunity to review and "sign off" on each progress set so that all parties are always clear as to the direction the project is heading.

Cost Control

Using internal cost data, and national databases, we are able to provide the Owner rough order of magnitude and schematic cost estimating for initial project development. We often conduct feasibility studies for clients to help them with initial project evaluations. For projects under \$1 million we will provide more detailed cost estimating "in house" and have consistently been within an expected 10% range on bid day. However, unlike many architects and engineers, we feel that utilizing the services of a contractor or construction manager is extremely beneficial to the design process and helps keep the project moving in the right direction. Their services, such as cost estimating, constructability reviews, value engineering, current bid market analysis, and CPM scheduling have proven to be valuable assets to both the architect and owner. They are the experts in this area, just as we are the experts in the area of design, so why shouldn't we work together from day one to give the owner the best possible project? Therefore we often suggest that these services be used on medium and large projects. If a project's funding sources do not allow for the general contractor to fill this role until the design is complete, then we can provide this role as consulting services under our contract. At times, we recommend both the architect and owner hire these consultants so that two third party reviews can be conducted and then any major differences be reconciled prior to bidding the project. Using these unique approaches we find that it is rare for one of our projects to be over budget or behind schedule.

LEED / Green Building

Today, everyone is concerned with energy conservation, life cycle analysis, and green building techniques; and Paradigm Architecture is no different. We are currently working on two projects that will be LEED Certified. In addition, we have been able to assist clients who are interested in applying green building techniques such as improving the energy efficiency of the building and reducing long term life cycle costs, even though they may not wish to pursue LEED Certification. We have one LEED Accredited Professional on staff and others who are pursuing green building education. All of our consultants have experience with not only green building construction but also life cycle cost evaluations, value engineering, and materials/systems comparisons in order to give the Owner the best value in a project.

Although this is only a summary of our quality control and management procedures, we hope it has helped you gain insight into the services that we provide. We also actively review our internal operations and gather feedback from clients, consultants and contractors. We will quickly make firm wide adjustments when we see areas that could be improved in order to continue providing excellent service. We think this model of excellent service is acknowledged by our continued and growing list of repeat clients. We welcome you to call any of our references for further insight into how we may best serve you.



References

Mr. John Thompson

Manager of Construction Services
West Virginia University
979 Rawley Avenue
Morgantown, West Virginia
(304) 293-3625

Mr. Brian Johnson

Bright Enterprises for
Glade Springs Resort
300 Greenbrier Road
Summersville, West Virginia
(304) 872-3000

Mr. Tim Haring

Chestnut Ridge Church
Senior Pastor
2223 Cheat Road
Morgantown, West Virginia
(304) 594-0548

Mr. Tony Napolillo

Project Manager
West Virginia University
Planning, Design and Construction
979 Rawley Avenue
Morgantown, West Virginia
(304) 293-7478

Mr. John Sommers

Project Management
West Virginia University
Planning, Design and Construction
979 Rawley Avenue
Morgantown, West Virginia
(304) 293-7478

Mr. Pat Stinson

Alliance Construction
320 S. Walker St.
Princeton, West Virginia 24740
(304) 487-5802

Mr. James Decker

Fairmont State University
1201 Locust Avenue
Fairmont, West Virginia
(304) 367-4100

Mr. Phil Weser, P.E.

March Westin Company
360 Frontier Street
Morgantown, West Virginia
(304) 599-4880

Mr. Rich Lane

Petroplus & Associates, Inc.
Platinum Properties
Two Waterfront Place, Suite 1201
Morgantown, West Virginia
(304) 284-5000

Mr. Ron Selders

Davis & Elkins College
100 Campus Drive
Elkins, West Virginia
(304) 637-1900

Mr. Mike Staud

Principal, Construction Director
Trinity Christian School
Morgantown, West Virginia
(304) 291-4659



Paul A. Walker, AIA

President and Design Architect

Mr. Walker has twenty-six years of experience as an architect and received his registration in 1986. He became a business owner in October 2000 when he created Paradigm Architecture. Mr. Walker's design responsibilities include programming, development of construction documents, project management, and construction administration. Among the variety of projects he has designed and supervised are: commercial, corporate, educational, governmental, industrial, institutional, recreational, religious, and residential. The scope of projects ranges from a few thousand dollars to over 30 million dollars.

EDUCATION

University of Tennessee, Knoxville, Tennessee
Bachelor of Architecture, 1982

ARCHITECTURAL REGISTRATION

NCARB Certificate No. 53858
West Virginia No. 2626
North Carolina No. 4910
Alabama No. 5398

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects
Board Member, Chestnut Ridge Church

AWARDS AND HONORS

Marina Tower, Morgantown, West Virginia
2008 Best New Construction Award, Main Street Morgantown

Spiiman Thomas Battle, Morgantown, West Virginia
2008 Best New Office Award, Main Street Morgantown

Chestnut Ridge Church, Morgantown, West Virginia
Waterfront Marina, Morgantown, West Virginia
2007 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Two Waterfront Place Hotel & Conference Center, Morgantown, West Virginia
Madden Student Center at Davis & Elkins College, Elkins, West Virginia
2004 Excellence in Construction Award, Associated Builders & Contractors, Inc.

The Jackson Kelly Building, Morgantown, West Virginia
2003 Excellence in Construction Award, Associated Builders & Contractors, Inc.

One Waterfront Place, Morgantown, West Virginia
2002 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Cancer Center, Alexander City, Alabama
2001 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Charleston Federal Center, Charleston, West Virginia
2000 Excellence in Construction Award, Associated Builders & Contractors, Inc.
2000 Development Project Special Recognition Award, Charleston Renaissance Corporation

Clarksburg Federal Center, Clarksburg, West Virginia
1999 Excellence in Construction Award, Associated Builders & Contractors, Inc.

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Paul A. Walker, AIA

Representative Projects

**United States Department of Energy
Office of Legacy Management
Records Storage Facility
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$8 Million (Shell)

**West Virginia University
Intermodal Garage
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$14.5 Million

Charleston Federal Center*
Charleston, West Virginia
Completed: Winter 2000
Cost: \$10 Million

**Fairmont State University
Morrow Hall Renovation
Feasibility Study
Fairmont, West Virginia**
Estimated Completion: To Be Determined
Cost: \$4.3 Million

**Two Waterfront Place
Hotel and Conference Center
Morgantown, West Virginia**
Completed: Summer 2003
Cost: \$35 Million

**Davis and Elkins College
Madden Student Center
Elkins, West Virginia**
Completed: Summer 2003
Cost: \$1.5 Million

**Waterfront Marina
and Boathouse Bistro
Morgantown, West Virginia**
Completed: Summer 2007
Cost: \$4.2 Million

**Glade Springs Resort
and Conference Center
Daniels, West Virginia**
Completed: Fall 2005
Cost: \$6 Million

**United States Department of Agriculture
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$6.5 Million (Shell)

**West Virginia University
Downtown Student Housing
Morgantown, West Virginia**
Estimated Completion: Summer 2009
Cost: \$15.3 Million

Clarksburg Federal Center*
Clarksburg, West Virginia
Completed: Summer 2001
Cost: \$9 Million

**Fairmont State University
Parking Facility
Fairmont, West Virginia**
Completed: Summer 2004
Cost: \$10 Million

**Morgantown Event Center
and Parking Garage
Morgantown, West Virginia**
Estimated Completion: Winter 2009
Cost: \$26.3 Million

**Davis and Elkins College
Athletic Center
Elkins, West Virginia**
Completed: Spring 2007
Cost: \$5.5 Million

**Marina Tower
Morgantown, West Virginia**
Estimated Completion: Spring 2009
Cost: \$10 Million (Shell)

**The Jackson Kelly Building
Morgantown, West Virginia**
Completed: Spring 2002
Cost: \$4.5 Million (Shell)

**The Suncrest Corporate Center
Morgantown, West Virginia**
Completed: Spring 2001
Cost: \$1.1 Million

* Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

2450 Valleydale Road • Suite 150
Birmingham, AL 35244
Tele 205•403•2742 205•403•2743 Fax

2223 Cheat Road • Suite 300
Morgantown, WV 26508
Tele 304•284•5015 304•284•5014 Fax



David H. Snider, AIA

Project Manager

Mr. Snider graduated from Auburn University with a degree in architecture and practiced in North Carolina before returning to his hometown of Birmingham, Alabama. He has spent the last eight years of his twenty-three year career with Paradigm Architecture. His responsibilities with Paradigm Architecture have included project management, construction documents, contract administration, and writing specifications. Project experience includes educational, healthcare, churches, libraries, schools, historic office buildings, airports, and commercial facilities.

EDUCATION

Auburn University, Auburn, Alabama
Bachelor of Architecture, 1984

Roofing Technology
The Roofing Industry Educational Institute, 1995

ARCHITECTURAL REGISTRATION

North Carolina No. 05151
Alabama – Pending

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects

AWARDS AND HONORS

Waterfront Marina, Morgantown, West Virginia
2007 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Two Waterfront Place Hotel & Conference Center, Morgantown, West Virginia
2004 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Professional Office Building III, Alexander City, Alabama
2004 Top Block Award, The Alabama Masonry Institute

The Jackson Kelly Building, Morgantown, West Virginia
2003 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Cancer Center, Alexander City, Alabama
2001 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Paradigm - (pă'r'e-dīm') n. An example that serves as pattern or model.



David H. Snider, AIA

Representative Projects

**United States Department of Agriculture
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$6.5 Million (Shell)

**Waterfront Marina and Boathouse Bistro
Morgantown, West Virginia**
Completed: Summer 2007
Cost: \$4.2 Million

**The Jackson Kelly Building
Morgantown, West Virginia**
Completed: Spring 2002
Cost: \$4.5 Million (Shell)

**The View at the Park
Morgantown, West Virginia**
Completed: Summer 2004
Cost: \$6 Million

**Lanier Hospital
Surgery Addition
Valley, Alabama**
Completed: Summer 2006
Cost: \$4.2 Million

**Lanier Hospital
Cardiopulmonary/Pharmacy Renovations
Valley, Alabama**
Completed: Summer 2008
Cost: \$1.165 Million

**Russell Medical Center
Hospice House
Alexander City, Alabama**
Completed: Spring 2002
Cost: \$1 Million

**Russell Medical Center
Lab Addition and Renovation
Alexander City, Alabama**
Completed: Spring 2005
Cost: \$650,000

**Russell Cancer Center*
Alexander City, Alabama**
Completed: Spring 2001
Cost: \$3.2 Million

**Fairmont State University
Parking Facility
Fairmont, West Virginia**
Completed: Spring 2004
Cost: \$10 Million

**Two Waterfront Place
Hotel and Conference Center
Morgantown, West Virginia**
Completed: Summer 2003
Cost: \$35 Million

**Glade Springs Resort
and Conference Center
Daniels, West Virginia**
Completed: Fall 2005
Cost: \$6 Million

**Lanier Hospital
Emergency Department Renovations
Valley, Alabama**
Estimated Completion: 2009/2010
Cost: \$1.1 Million

**Lanier Hospital
ICU Renovations
Valley, Alabama**
Completed: Fall 2008
Cost: \$1.6 Million

**Russell Medical Center
Emergency Department Renovation
Alexander City, Alabama**
Completed: Spring 2008
Cost: \$1.5 Million

**Russell Medical Center
Physical Therapy
Alexander City, Alabama**
Completed: Spring 2008
Cost: \$1.6 Million

**Russell Medical Center
Professional Office Building #3
Alexander City, Alabama**
Completed: Spring 2004
Cost: \$4.1 Million

* Key involvement in project with firm(s) other than Paradigm Architecture, Inc.



Grant T. Gramstad, AIA

Project Manager

Mr. Gramstad has fourteen years of experience in the design industry as an intern and registered architect. He has been with Paradigm Architecture since its inception in November 2000. His roles have included project management, design, and supervision of small to mid-sized architectural projects. Project experience includes commercial, corporate, educational, governmental, healthcare, industrial, institutional, recreational, and residential.

EDUCATION

Tulane University, New Orleans, Louisiana
Master of Architecture, 2004

Tulane University, New Orleans, Louisiana
Bachelor of Architecture, Salutatorian, 1993

University of Bath, Bath, England
Junior Year Abroad, 1991-1992

ARCHITECTURAL REGISTRATION

Alabama No. 4897

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects
Certified Construction Contract Administrator

AWARDS AND HONORS

Marina Tower, Morgantown, West Virginia
2008 Best New Construction Award, Main Street Morgantown

Waterfront Marina, Morgantown, West Virginia
2007 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Lightning Strikes Family Fun Center, Trussville, Alabama
2004 Circle of Design Excellence, Pittsburgh Corning Glass Block

Russell Professional Office Building III, Alexander City, Alabama
2004 Top Block Award, The Alabama Masonry Institute

Two Waterfront Place Hotel & Conference Center, Morgantown, West Virginia
2004 Excellence in Construction Award, Associated Builders & Contractors, Inc.

The Jackson Kelly Building, Morgantown, West Virginia
2003 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Cancer Center, Alexander City, Alabama
2001 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Charleston Federal Center, Charleston, West Virginia
2000 Excellence in Construction Award, Associated Builders & Contractors, Inc.
2000 Development Project Special Recognition Award, Charleston Renaissance Corporation

Clarksburg Federal Center, Clarksburg, West Virginia
1999 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Paradigm - (pār'e-dīm') n. An example that serves as pattern or model.



Grant T. Gramstad, AIA

Representative Projects

**United States Department of Energy
Office of Legacy Management
Records Storage Facility
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$8 Million (Shell)

**Marina Tower
Morgantown, West Virginia**
Estimated Completion: Spring 2009
Cost: \$10 Million (Shell)

**Waterfront Marina
and Boathouse Bistro
Morgantown, West Virginia**
Completed: Summer 2007
Cost: \$4.2 Million

**Glade Springs Resort
and Conference Center
Daniels, West Virginia**
Completed: Fall 2005
Cost: \$6 Million

**The Jackson Kelly Building
Morgantown, West Virginia**
Completed: Spring 2002
Cost: \$4.5 Million (Shell)

**Russell Medical Center
Professional Office Building #3
Alexander City, Alabama**
Completed: Spring 2004
Cost: \$4.1 Million

**Performance Fitness
and Trussville Rehab
Trussville, Alabama**
Completed: Fall 2003
Cost: \$1.5 Million

**City of Trussville
Flood Renovations to
City Hall and Police Department
Trussville, Alabama**
Completed: Summer 2003
Cost: DND

**Fairmont State University
Parking Facility
Fairmont, West Virginia**
Completed: Spring 2004
Cost: \$10 Million

**Two Waterfront Place
Hotel and Conference Center
Morgantown, West Virginia**
Completed: Summer 2003
Cost: \$35 Million

**Charleston Federal Center*
Charleston, West Virginia**
Completed: Winter 2000
Cost: \$10 Million

**The View at the Park
Morgantown, West Virginia**
Completed: Summer 2004
Cost: \$6 Million

**The Suncrest Corporate Center
Morgantown, West Virginia**
Completed: Spring 2001
Cost: \$1.1 Million

**Russell Cancer Center*
Alexander City, Alabama**
Completion Date: Spring 2001
Project Cost: \$3.2 Million

**The Foundry
Women's and Children's Center Renovation
Bessemer, Alabama**
Estimated Completion: Fall 2009
Cost: \$1 Million

**Irondale Industrial Contractors
Office Building
Irondale, Alabama**
Completed: Winter 2006
Cost: \$1 Million

**Waterfront Parking Garage*
Morgantown, West Virginia**
Completion Date: Summer 2001
Project Cost: \$8.2 Million

* Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

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Jonathan L. Perry, AIA, LEED AP

Project Manager

Mr. Perry's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, construction administration, and creating renderings for clients using computer aided design programs. He has a combined nine years of experience in commercial and residential architecture and has been with Paradigm Architecture for the last eight years. Project experience includes commercial, corporate, educational, governmental, healthcare, hospitality, industrial, institutional, recreational, and residential.

EDUCATION

University of Alabama at Birmingham, Birmingham, AL
Master of Engineering in Construction Management, 2008-current student

University of Tennessee, Knoxville, Tennessee
Bachelor of Architecture, Cum Laude, 1999

Poliitechnika Krakowska, Krakow, Poland
Semester Abroad, 1998

ARCHITECTURAL REGISTRATION

NCARB Certificate No. 63867
West Virginia No. 3953

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects
Construction Documents Technologist
LEED Accredited Professional

AWARDS AND HONORS

Chestnut Ridge Church, Morgantown, West Virginia
Waterfront Marina, Morgantown, West Virginia
2007 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Professional Office Building III, Alexander City, Alabama
2004 Top Block Award, The Alabama Masonry Institute

Two Waterfront Place Hotel & Conference Center, Morgantown, West Virginia
Madden Student Center at Davis & Elkins College, Elkins, West Virginia
2004 Excellence in Construction Award, Associated Builders & Contractors, Inc.

The Jackson Kelly Building, Morgantown, West Virginia
2003 Excellence in Construction Award, Associated Builders & Contractors, Inc.

One Waterfront Place, Morgantown, West Virginia
2002 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Cancer Center, Alexander City, Alabama
2001 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Paradigm - (pär'e-dim') n. An example that serves as pattern or model.



Jonathan L. Perry, AIA, LEED AP

Project Manager

**Two Waterfront Place
Hotel and Conference Center
Morgantown, West Virginia**
Completed: Summer 2003
Cost: \$35 Million

**Fairmont State University
Parking Facility
Fairmont, West Virginia**
Completed: Spring 2004
Cost: \$10 Million

**Fairmont State University
Morrow Hall Renovation
Feasibility Study
Fairmont, West Virginia**
Completed: To Be Determined
Cost: \$4.3 Million

**West Virginia University
Downtown Student Housing
Morgantown, West Virginia**
Estimated Completion: Summer 2009
Cost: \$15.3 Million

**Davis and Elkins College
Athletic Center
Elkins, West Virginia**
Completed: Spring 2007
Cost: \$5.5 Million

**Glade Springs Resort
and Conference Center
Daniels, West Virginia**
Completed: Fall 2005
Cost: \$6 Million

**Waterfront Marina
and Boathouse Bistro
Morgantown, West Virginia**
Completed: Summer 2007
Cost: \$4.2 Million

**The Dayton Student Housing
Morgantown, West Virginia**
Completed: Fall 2008
Cost: \$3.3 Million

**Morgantown Event Center
and Parking Garage
Morgantown, West Virginia**
Estimated Completion: Winter 2009
Cost: \$26.3 Million

**Fairmont State University
Colebank Hall Renovations
Fairmont, West Virginia**
Completed: Winter 2007
Cost: \$1.5 Million

**Fairmont State University
Colebank Hall Data Center Build-Out
Fairmont, West Virginia**
Completed: May 2007
Cost: \$400,000

**West Virginia University
Intermodal Garage
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$14.5 Million

**Davis and Elkins College
Madden Student Center
Elkins, West Virginia**
Completed: Summer 2003
Cost: \$1.5 Million

**Glade Springs Resort
Clubhouse Expansion
Daniels, West Virginia**
Completed: Summer 2006
Cost: \$1.1 Million

**Russell Medical Center
Professional Office Building #3
Alexander City, Alabama**
Completed: Spring 2004
Cost: \$4.1 Million

**Avery Court
Town Homes and Condominiums
Parkersburg, WV**
Completed: To Be Determined
Cost: \$10 Million

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Todd G. Christopher, AIA

Project Manager

Mr. Christopher's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, and construction administration. He has a combined seven years of experience in commercial and residential architecture and joined Paradigm Architecture in February 2009. Project experience includes commercial, corporate, educational, performing arts, healthcare, continuing care retirement communities, laboratories, industrial, institutional, sports facilities, and multi-family residential.

EDUCATION

Virginia Polytechnic Institute & State University, Blacksburg, VA
Master of Architecture, 2002

Fairmont State College, Fairmont, WV
Bachelor of Science in Engineering Technology, 1999

ARCHITECTURAL REGISTRATION

NCARB Certificate No. 66482
North Carolina No. 11326
West Virginia No. 4141

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects
U.S. Green Building Council
AIA Peer Mentor in conjunction with UNC Charlotte College of Arts + Architecture

AWARDS AND HONORS

Wake Forest University Babcock School of Management, Charlotte, North Carolina
USGBC LEED Silver Certified

Davidson College Duke Residence Hall, Davidson, North Carolina
USGBC LEED Certified



Todd G. Christopher, AIA

Representative Projects

Stevens Correctional Facility*
Welch, West Virginia
Completed: Summer 2004
Cost: \$10.5 Million

GSA Office Space
Marina Tower
Morgantown, West Virginia
Estimated Completion: Summer 2009
Cost: \$770,000

Star City Waterfront Masterplan
Morgantown, West Virginia
Estimated Completion: Undetermined
Cost: Undetermined

Twin Lakes at Montgomery*
Continuing Care Retirement Community
Cincinnati, Ohio
Estimated Completion: Spring 2011
Cost: \$1.8 Million (Renovation)

Davidson College*
Duke Residence Hall
Davidson, North Carolina
Completed: Summer 2007
Cost: \$6.3 Million

Legacy Village Townhomes*
Mooresville, North Carolina
Phase 1 Completed: Fall 2008
Cost: \$18 Million

West Virginia State College*
Student Union Renovation and Addition
Institute, West Virginia
Completed: Spring 2004

Wake Forest University*
Babcock School of Management
Charlotte, North Carolina
Estimated Completion: 2010
Cost: \$1 Million (Upfit)

Mountain Island Library*
Charlotte, North Carolina
Completed: Spring 2005
Cost: \$2.5 Million

United States Department of Agriculture
Morgantown, West Virginia
Estimated Completion: Fall 2009
Cost: \$6.5 Million (Shell)

KeyLogic Systems, Inc.
Morgantown, WV
Estimated Completion: To Be Determined
Cost: \$1 Million

Pi Kappa Alpha
Renovation and Addition
Morgantown, West Virginia
Estimated Completion: Summer 2009
Cost: \$1.8 Million

Suffield Meadows Continuing Care*
Retirement Community
Warrenton, Virginia
Estimated Completion: Fall 2010
Cost: \$15 Million

Bella Vita on Park Condominiums*
Charlotte, North Carolina
Estimated Completion: To Be Determined
Cost: \$15 Million

Hagood Reserve Luxury Townhomes*
Charlotte, North Carolina
Estimated Completion: To Be Determined
Cost: \$6 Million

University of North Carolina at Charlotte*
Robinson Hall Performing Arts Building
Charlotte, North Carolina
Completed: Spring 2004
Cost: \$23 Million

Shurgard Self Storage Facility*
at Seneca Commons
Charlotte, North Carolina
Completed: Summer 2005
Cost: \$2.2 Million (Shell)

Saint Timothy Lutheran Church*
Charleston, West Virginia
Completed: Winter 2004
Cost: \$5 Million

* Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

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United States Department of Energy Office of Legacy Management

Morgantown, West Virginia



A new modern office and records storage building for the United States Department of Energy Office of Legacy Management. Awarded through a Design-Build Competition sponsored by the General Services Administration. This one story building includes 37,000 square feet of NARA Certified Records Storage space and additional spaces for administrative offices, receiving / processing, and meetings / research areas.

This project will be registered as a LEED Gold Certified Building.

Owner: FD Partners, LLC

Design Architect: Paul A. Walker, AIA
Project Manager: Grant T. Gramstad, AIA

Estimated Completion: Fall 2009
Cost: \$8 Million (Shell)
Size: 60,000 Square Feet
Delivery Type: Design-Build-Negotiated

Contractor: Dick Corporation

(Currently Under Construction)





The General Services Administration for the United States Department of Agriculture

Morgantown, West Virginia



(Currently Under Construction)

Awarded through a Design-Build Competition sponsored by the General Services Administration. This facility will house five agencies of the USDA including: the Credit Union, Rural Development, Farm Services Administration, Natural Resource Conservation services, and the USDA Information Technology Services.

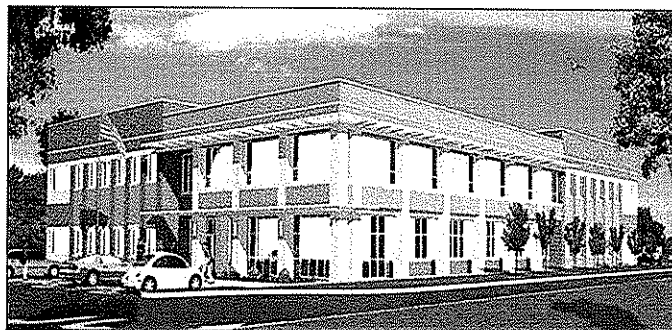
This project will be registered as a LEED Certified Building.

Owner: Glenmark Holdings, LLC

Design Architect: Paul A. Walker, AIA
Project Manager: David H. Snider, AIA

Estimated Completion: Fall 2009
Cost: \$6.5 Million (Shell)
Size: 36,000 Square Feet
Delivery Type: Design-Build Competition

Contractor: The March-Westin Company





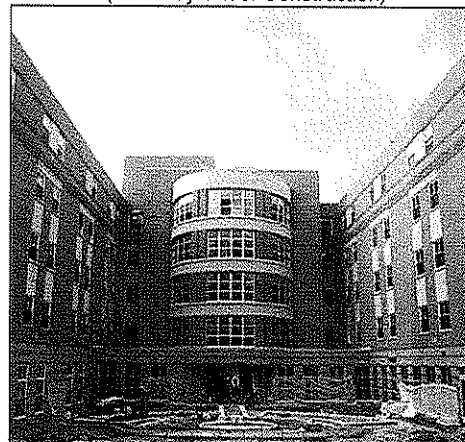
West Virginia University Downtown Student Housing

Morgantown, West Virginia



This new five story student housing building will accommodate 360 residents. The design includes apartments for Resident Hall Coordinators and Resident Facility Leaders, a multi-purpose room, laundry facility, administrative offices, fellowship advising, and honors college administration.

(Currently Under Construction)



Owner: West Virginia University

Design Architect: Paul A. Walker, AIA

Project Manager: David H. Snider, AIA

Project Architect: Grant T. Gramstad, AIA

Estimated Completion: Summer 2009

Cost: \$15.3 Million

Size: 90,000 Square Feet

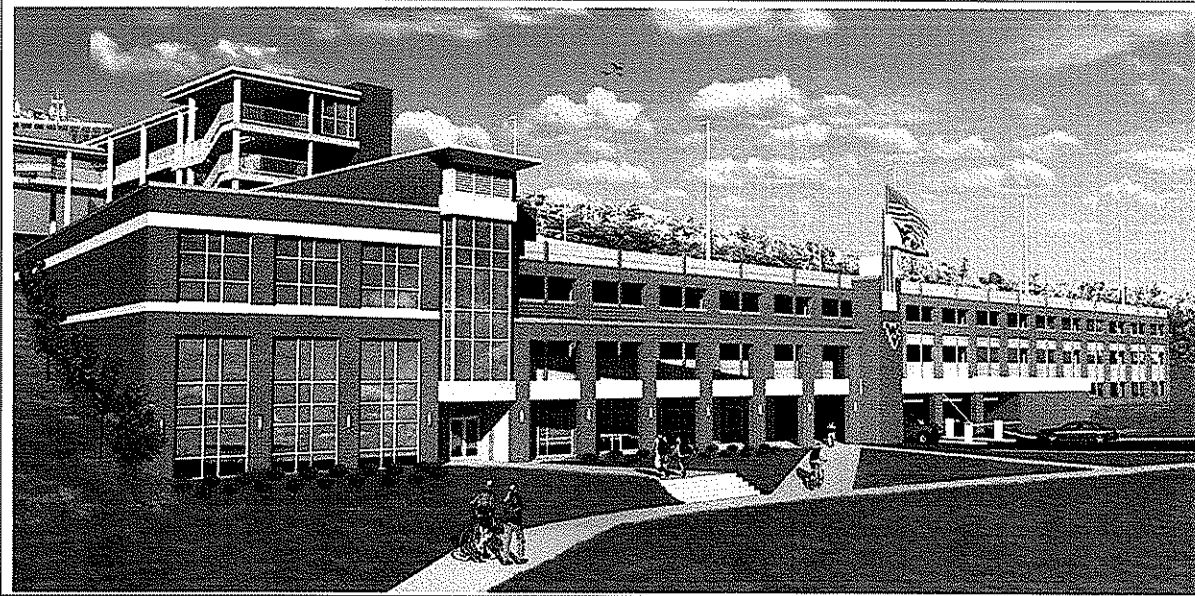
Delivery Type: Design-Bid-Build

Contractor: Tedco Construction



West Virginia University Intermodal Garage

Morgantown, West Virginia



Intermodal Transportation Center and Parking Garage. A State of West Virginia Design-Build Competition featuring a 500 car parking garage, bus drop-off area/lounge and toilets, retail space, and office areas for the West Virginia University Parking Authority. The facility is designed to connect to the Public Rapid Transit Station and can be expanded both vertically and horizontally to accommodate a total of 1500 vehicles.

(Currently Under Construction)

Owner: West Virginia University

Design Architect: Paul A. Walker, AIA
Project Manager: David H. Snider, AIA
Project Architect: Jonathan L. Perry, AIA

Estimated Completion: Fall 2009
Cost: \$14.5 Million
Size: 500 Parking Spaces
Delivery Type: Design-Build Competition

Contractor: The March-Westin Company





Davis and Elkins College Athletic Center

Elkins, West Virginia



This athletic center has a gymnasium and seating for 1,200 spectators. The center also includes locker / shower room facilities for basketball, volleyball, and soccer. The lobby holds a sports hall of fame and concessions. In addition, there are offices for athletic and physical education.

Owner: Davis and Elkins College

Design Architect: Paul A. Walker, AIA

Project Architect: Jonathan L. Perry, AIA

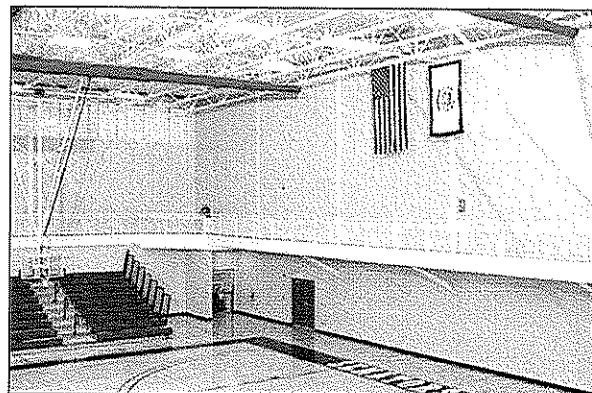
Completed: Spring 2007

Cost: \$5.5 Million

Size: 40,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: The March-Westin Company

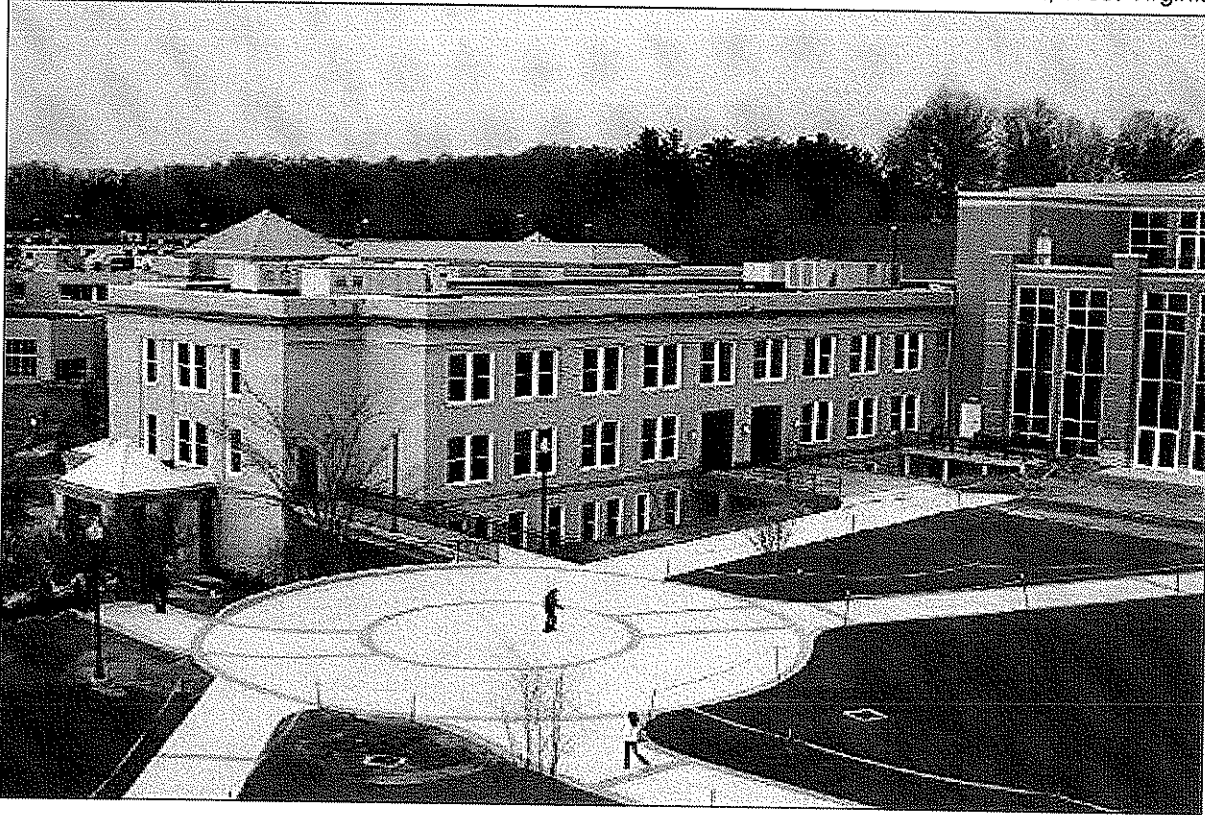




**Paradigm
Architecture**

Fairmont State University

Fairmont, West Virginia



Various projects with Fairmont State include a Conference Center, Data Center Build Out, Offices, Reroofing, and Feasibility Studies.

Owner: Fairmont State University

Design Architect and Project Manager:
Jonathan L. Perry, AIA

Completed: 2004 - current

Cost: ranges from \$150,000 - \$17 million

Size: varies

Delivery Type: Design-Bid-Build with Competitive Bidding

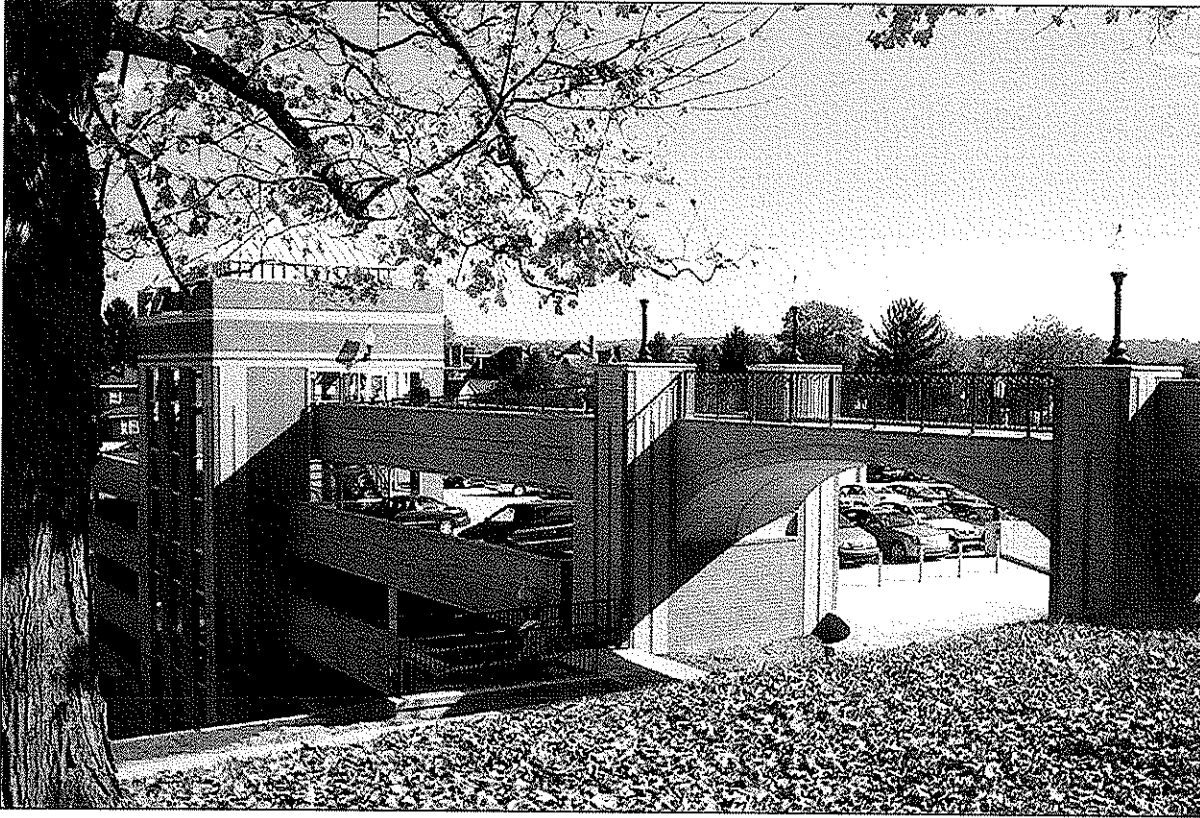
Contractors: Tmaro Corporation
Marks-Landau Construction
Sutter Roofing





Fairmont State University Parking Facility

Fairmont, West Virginia



In order to meet the needs of a growing campus, this new parking facility provides 940 parking spaces and a connecting pedestrian bridge to the main campus. Unique site conditions include building over an abandoned coal mine, as well as a steeply sloping site that required retaining walls on multiple levels.

Owner: Fairmont State University

Design Architect: Paul A. Walker, AIA

Project Manager: David H. Snider, AIA

Project Architect: Grant T. Gramstad, AIA

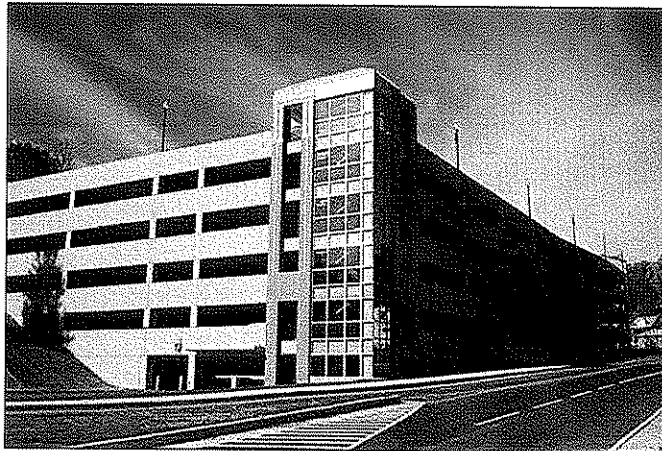
Completed: Summer 2004

Cost: \$10 Million

Size: 269,000 Square Feet

Delivery Type: Design-Build Negotiated

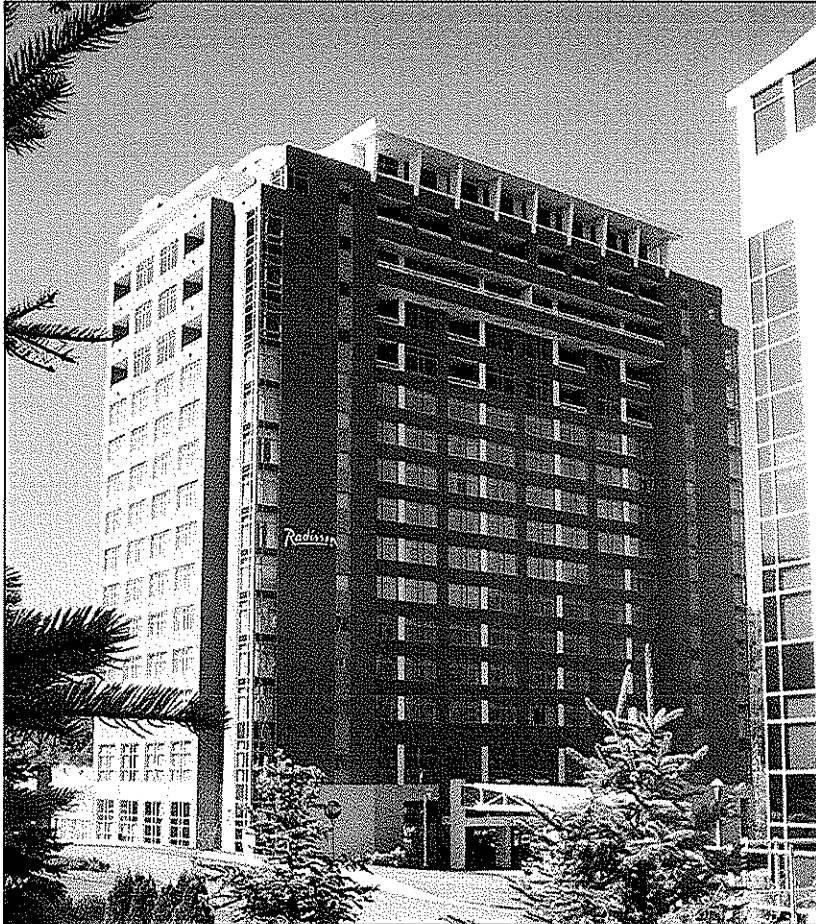
Contractor: The March-Westin Company





Two Waterfront Place Hotel and Conference Center

Morgantown, West Virginia



A seventeen story hotel, conference center, retail, dining, and residential mixed-use facility in the Waterfront District. Additional features include an indoor pool, athletic club, day-spa/salon, and private parking for residents.

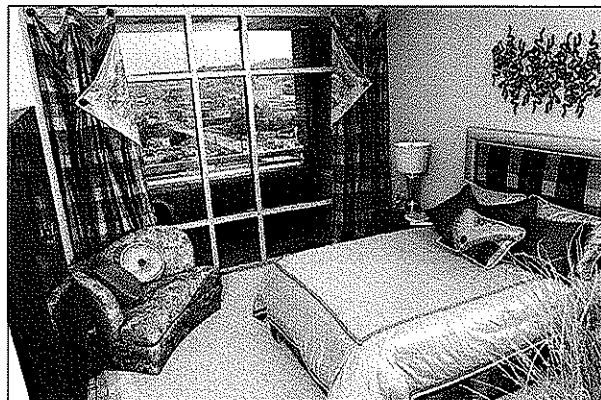
2003 Excellence in Construction Award from the Associated Builders & Contractors, Inc.

Owner: Platinum Properties

Design Architect: Paul A. Walker, AIA
Project Manager: David H. Snider, AIA
Project Architect: Grant T. Gramstad, AIA

Completed: Summer 2003
Cost: \$35 Million
Size: 296,427 Square Feet
Delivery Type: Design-Build-Negotiated

Contractor: The March-Westin Company





Charleston Federal Center

Charleston, West Virginia



Renovation of a former federal courthouse to provide office space for Social Security. This commission was awarded through a national design competition.

2000 Excellence in Construction Award from the Associated Builders & Contractors, Inc.

2000 Development Project Special Recognition Award from the Charleston Renaissance Corporation

Owner: Platinum Properties, LLC

Design Architect: Paul A. Walker, AIA

Project Manager: Grant T. Gramstad, AIA

Architect of Record: Evan Terry Associates, P.C.

Completed: Winter 2000

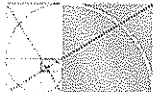
Cost: \$10 Million

Size: 110,000 Square Feet

Delivery Type: Design-Build Competition

Contractor: The March-Westin Company





**Paradigm
Architecture**

Clarksburg Federal Center

Clarksburg, West Virginia



National design competition for the design of a new office building to consolidate Federal Government Agencies into a new structure in a historic district.

1999 Excellence in Construction Award from the Associated Builders & Contractors, Inc.

Owner: Platinum Properties, LLC

Design Architect: Paul A. Walker, AIA

Architect of Record: Gates Calloway Moore & West

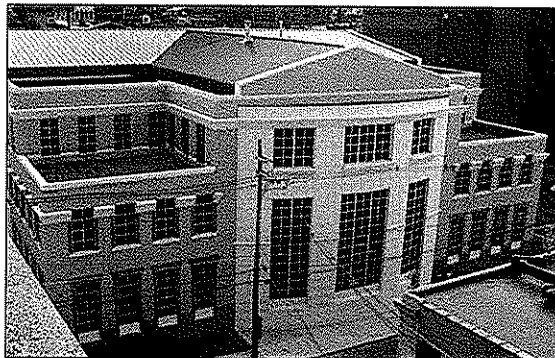
Completed: Summer 2001

Cost: \$9 Million

Size: 65,000 Square Feet

Delivery Type: Design-Build Competition

Contractor: The March-Westin Company

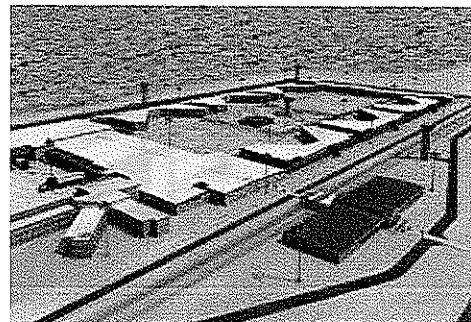


Firm History

Lynn Arrington and David Watkins have been practicing architecture together since 1974, originally as principals in a regional architectural, engineering, planning firm based in Phoenix, and since 1994 as partners in Arrington Watkins Architects.

The principles that have guided Arrington Watkins Architects since its inception are unique: being responsive, listening to the client, focusing on client satisfaction, and developing innovative solutions to client issues. Our mission is to remain small enough that we can give personal attention to a select group of repeat clients, yet large enough to handle their largest and most demanding projects. Either Lynn, David, or both, are intimately involved in each project that the firm undertakes. Working closely with them is a talented group of 48 architects, architects-in-training and support staff, equipped with the latest technology available.

Arrington Watkins Architects has provided architectural services to government clients, corporations and Design / Build Contractor firms throughout the United States completing over \$2.8 billion worth of construction on projects ranging in size up to \$300 million in construction cost. The firm's expertise is in the design and management of projects that are technically complex in their systems, function or processes. These projects have included criminal justice, public safety, military, courts facilities, high-tech office / assembly, manufacturing, maintenance /operations facilities, warehouse buildings and retail fuel installations. Much of our experience is in managing complex projects involving multiple consultants, approving agencies, owners and user groups.





Lynn R. Arrington
Principal

Education: Bachelor of Architecture, Kansas State University 1973

Licenses: Architect, Arizona, 1976, #10997

**Professional
Experience:**

Since 1973, Mr. Arrington has practiced architecture throughout the United States from his office in Phoenix Arizona serving clients in more than 20 States. During those years he has completed the design and construction of facilities pertaining to most all-major project types, but has developed a specialty in the design of Criminal Justice, Correctional and Public Safety facilities. Lynn has designed over \$2.5 billion worth of Federal, State and local criminal justice related facilities. Lynn has completed the design of more than 30 correctional facilities totaling over 80,000 beds

In 1994 Lynn Arrington and David Watkins started the firm Arrington Watkins Architects and in the past seven (7) years have completed 22,000 beds in eight (8) states. Lynn directs the design and production of the firm's major facilities and provides technical training and guidance to all staff members. Lynn is a member of American Correctional Association (ACA), Alliance for Construction Excellence (ACE) and DBIA, and has become a strong leader in the use of Alternative Delivery Project methods including Design Build, CM@R and Public Private Partnership (PPP) projects.

Lynn has also written articles published in Corrections Today (7/2000) "Staff Safety by Design", and American Correctional Association (11/2000), "Staff Safety Starts with Facility Design". Lynn has been the recipient of the Marvin M Black Excellence In Partnering Award in 2006 and DBIA's Design-Build Excellence Award for Public Sector Buildings over \$15 Million in 2007.

**Project
Experience:**

**Loudoun County Jail
Leesburg, Virginia**

Phase 2 of the Loudoun County Adult Detention Center is an addition to the existing facility. Phase 1 is comprised of a support building (69,512 sf), special housing, general housing, and female housing. (total housing 17,075 sf) Phase one was primarily block construction with brick veneer. Phase 2 is comprised of an intake addition to the support building, and two additional housing units. The additional housing units are accessed through a secure corridor addition that ties into the existing housing access corridor. The intake unit adds an additional 36,422 sf to the support building. The access corridors to the housing units add 4,618 sf. Housing unit One is 31,645 sf. It holds 96 single occupancy cells. Housing unit Two is 39,210 sf. It holds 64 single occupancy segregated cells and 24 double occupancy cells.

ADOA 1,000 Bed**Tucson, Douglas and Perryville**

Faced with an emergency need for 1,000 beds within the Arizona State Prison System, Arrington Watkins was contracted by Arizona Department of Administration to design and provide construction administration services. Beds were added to three separate sites around Arizona. Design and construction were completed in 8 months.

ADOA 4,000 Bed**Perryville, Tucson and Yuma**

Similar to the ADOA 1,000 bed, Arizona Department of Administration and Arizona Department of Corrections were in need of 4,000 additional beds on three sites, across Arizona.

Arrington Watkins Architects designed a 1,000 bed addition to Arizona State Prison Complex - Perryville, 1,000 Bed addition to Arizona State Prison Complex - Tucson and 2,000 additional beds to Arizona State Prison Complex - Yuma.

Arrington Watkins completed programming, master planning and complete design in 8 months. Construction is currently on going.

Federal Correctional Institution and Federal Prison Camp - Phase 1**Mendota, California**

This \$95.6 million design-build project is for the design and construction of the new Federal Correctional Institution (FCI) in Fresno County, Mendota, California.

This FCI was built on 230-acres of farmland located near Mendota, a small farming community in Central California. The facility is designed to house over 1100 inmates and includes a Federal Prison Camp for 128 inmates. The project includes construction of three 4-story general housing units, site work, and the utility plant.

Federal Correctional Institution and Federal Prison Camp - Phase 2**Mendota, California**

Arrington Watkins Architects had the unique opportunity of being selected for this project directly by the Federal Bureau of Prisons based on its performance during Phase I design and construction. Phase I utilized the Design/Build Delivery Method. Arrington Watkins was contracted to take the current Design/Build documents and create complete bid documents for Phase II for the remainder of the construction.

This Federal Correctional Institution / Federal Prison Camp is being built on 230-acres of farmland located near Mendota, a small farming community in Central California. The FCI is designed to house over 1100 inmates and the FPC will house 128 inmates.

Additional Projects:

Stanley Correctional Facility**Stanley, Wisconsin**

High Desert Phase 1-5,
Various Location in Nevada

United States Penitentiary and Federal Prison Camp
Tucson, Arizona

Arizona State Prison Complex - Lewis
Buckeye, Arizona

Arizona State Prison Complex - Tucson II
Tucson, Arizona



Matthew A. Gorman

Project Architect

Education: B.S.D. Architecture, Arizona State University, 1992
Masters of Architecture, Arizona State University, 1994

Licenses: Arizona, 1996 #30774

**Professional
Experience:**

Matt has performed a broad spectrum of building related design tasks in the fields of Architecture, Facilities Management and Mechanical Engineering. While employed at Arrington Watkins Architects, he has acted as senior designer and project manager, assisting clients with projects of diverse size and scope. Past projects have ranged in size from a single room to 50-acre campuses and have been completed in several states, under all major building codes. Matt also has extensive computer skills used in design visualization, project planning, management, and construction documentation.

**Project
Experience:**

**Federal Correctional Institution and Federal Prison Camp - Phase 1
Mendota, California**

This \$95.6 million design-build project is for the design and construction of the new Federal Correctional Institution (FCI) in Fresno County, Mendota, California.

This FCI was built on 230-acres of farmland located near Mendota, a small farming community in Central California. The facility is designed to house over 1100 inmates and includes a Federal Prison Camp for 128 inmates. The project includes construction of three 4-story general housing units, site work, and the utility plant.

**Federal Correctional Institution and Federal Prison Camp - Phase 2
Mendota, California**

Arrington Watkins Architects had the unique opportunity of being selected for this project directly by the Federal Bureau of Prisons based on its performance during Phase I design and construction. Phase I utilized the Design/Build Delivery Method. Arrington Watkins was contracted to take the current Design/Build documents and create complete bid documents for Phase II for the remainder of the construction.

This Federal Correctional Institution / Federal Prison Camp is being built on 230-acres of farmland located near Mendota, a small farming community in Central California. The FCI is designed to house over 1100 inmates and the FPC will house 128 inmates.

Additional Projects:

Stanley Correctional Facility
Wisconsin

United States Penitentiary and Federal Prison Camp
Tucson, Arizona

Arizona State Prison Complex - Lewis
Buckeye, Arizona

Arizona State Prison Complex - Tucson II
Tucson, Arizona

Arizona State Prison Complex Yuma, Dakota Unit
Yuma, Arizona

Central Oklahoma Corrections Facility
McLoud, Oklahoma

Florence RTC-DUI -
Florence, Arizona

Lawrenceville Correctional Facility
Lawrenceville, Virginia

Rincon Minor Male Custody Facility
Arizona

Delta Correctional Facility
Delta, Mississippi

ASPC-Globe Additions/Renovations
Globe, Arizona

Arizona Correctional Training Center
Tucson, Arizona

Loudoun County Detention Facility

Leesburg, Virginia

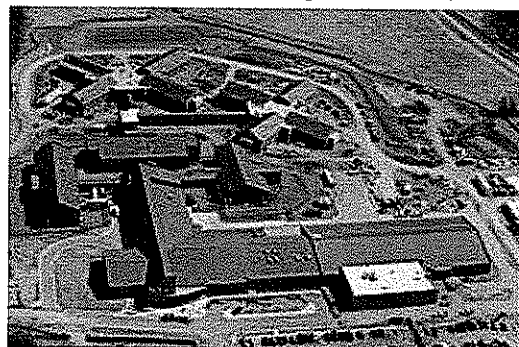
Project description:

Phase 1 was started in June 2003. Phase 2 design started shortly after completion of phase one construction in 2007. Arrington Watkins Architects was brought on by AECOM to design the housing units in October 2007. Issue for Construction Documents was completed June 5th 2008.

Phase 2 of the Loudoun County Adult Detention Center is an addition to the existing facility. Phase 1 is comprised of a support building (69,512 sf), special housing, general housing, and female housing. (total housing 17,075 sf) Phase one was primarily block construction with brick veneer.

Phase 2 is comprised of an intake addition to the support building, and two additional housing units. The additional housing units are accessed through a secure corridor addition that ties into the existing housing access corridor. The intake unit adds an additional 36,422 sf to the support building. The access corridors to the housing units add 4,618 sf. Housing unit One is 31,645 sf. It holds 96 single occupancy cells. Housing unit Two is 39,210 sf. It holds 64 single occupancy segregated cells and 24 double occupancy cells.

Total added Housing:	70,855 sf
Total added sf:	111,895 sf
Total building sf (Phase one and two):	198,482 sf



Arrington Watkins primarily focused on the housing units. Our design is based on precast cells (manufactured by Tindal Corp in Georgia and shipped by rail car to Virginia). Additionally, precast panels, beams, columns, and hollow core slabs, were used for the rest of the structural components. (these precast units were manufactured by Tindal as well). All exterior precast walls are integrally insulated, and have brick veneer cast into them to match Phase one exterior without the cost of an onsite applied veneering system. The Housing units are two levels, in an X-format. This design allowed for one control room to watch two separate pods (or 4 separate pods in the case of segregated units). These control rooms are elevated 5' to allow the officer visual access to both floors simultaneously.

The housing units utilize a pre-engineered metal roof structure (Butler) above the secure plank roof. This allowed an economical method of routing HVAC and other support equipment without compromising security.

Reference:	Jim Rauch - Loudon County Office of Capital Construction
Address:	PO Box 7000 1 Harrison Street Leesburg, Virginia 20177-7000 (703)771-5564
Phone:	
Original Budget:	\$95,600,000
Actual Bid Amount:	\$95,600,000
Final Budget:	\$95,600,000
Design Start Date:	12/2004
Bid Date:	N/A
Construction Start Date:	5/2005
Substantial Completion Date:	2/2007
Final Completion Date:	3/2007
Delivery Method:	Design / Build

Stanley Correctional Facility

Stanley, Wisconsin

Project Description

The privately owned and operated male medium security prison has been master planned for future expansion from 1,200 to 1,500 inmates. The site contains five cell housing units, one administrative segregation housing unit, separate gymnasium and physical recreation building, education/vocational training, industries, kitchen/laundry, medical, central plant, warehouse, vehicle maintenance, operations/visitation, and administration. Because of the severe weather conditions at this location, daily prisoner movement issues were vastly reduced by the design of a small re-heat kitchen and serving line in each housing unit. Inmate meals are served and eaten in the dayroom of individual units eliminating the need to move 1,500 men through a central yard three times a day.

Reference: *Jim Hunter - Canam Construction*
Address: *818 North Oak Street*
Guthrie, OK 73044

Phone: *(405)-346-5813*

Original Budget: *\$50,000,000*

Actual Bid Amount: *\$50,000,000*

Final Budget: *\$50,000,000*

Final Completion Date: *1/1/1999*

Delivery Method: *Design / Build*

High Desert Phases 1 - 5

Indian Springs, Nevada

Project description:

High Desert Men's Prison has been a unique experience for Arrington Watkins.

Phase I consisted of 2,000 beds and support buildings designed by a Nevada firm. At the request of the State of Nevada, Arrington Watkins Architects was hired to complete the design and handle on-site construction administration.

Prior to Phase I being completed, Arrington Watkins Architects was retained to design and oversee construction of Phase II which added an additional 1,000 beds to the prison. Phase II of the project not only included the construction of additional housing units, but included the design of a combined warehouse and vehicle maintenance building. This facility contains a drive-through maintenance facility, bus and vehicle inspection and lubrication pit, hazardous storage containment building and cart charging equipment.

Arrington Watkins and Clark & Sullivan Constructors were contracted to design / build Phase 3 which expanded the existing the facility by adding a 62,000 sq. ft. Industries Building, a 15,000 sq. ft. Gymnasium Building, related site improvements and additional security electronics systems.

Arrington Watkins was directly selected by the State of Nevada for the Phase 4 project. This included the design two new Housing Buildings of 52,000 sq. ft. each based on the new prototype design including all site and security improvements within the secure perimeter of the High Desert State Prison.

Again, Arrington Watkins was direct selected by the State of Nevada for the Phase 5 project. Which was adding two new Housing Buildings of 52,000 sq. ft. each based on the new prototype design from Phase 4.

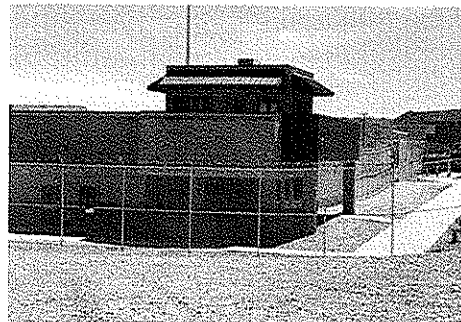
Reference: Dan Daily, Nevada Public Works
Email: dmdaily@spwb.state.nv.us
Phone: (775) 684-4116

Phase 1 & 2

Original Budget: \$133,000,000
Actual Bid Amount: \$133,000,000
Final Budget: \$133,000,000
Design Start Date: Phase I designed by another firm, Phase II designed during construction.
Bid Date: n/a
Construction Start Date: n/a
Substantial Completion Date: 2000
Final Completion Date: 2000
Delivery Method: Design / Bid / Build

Phase 3

Original Budget: \$9,800,000
Actual Bid Amount: \$9,800,000
Final Budget: \$9,800,000
Design Start Date: November 2003
Bid Date: n/a
Construction Start Date: June 2004
Substantial Completion Date: May 2005
Final Completion Date: June 2005
Delivery Method: Design / Build



Phase 4 & 5

Original Budget: \$77,500,000
Actual Bid Amount: \$92,300,000
Final Budget: In construction
Design Start Date: August 07
Bid Date: Feb 07 / Oct 07
Construction Start Date: May 07
Substantial Completion Date: Sep 08 / Apr 09
Final Completion Date: May 2009
Delivery Method: Design / Bid / Build

United States Penitentiary and Federal Prison Camp

Tucson, Arizona

Project description:

The USP & FPC is located on a 2,671,000 square meter site on Wilmot Road in Tucson, Arizona. The actual construction area of the site is 878,168 square meters. The USP & FPC include 60,387 square meters of concrete slab-on-grade.

The USP consists of cells for 960 inmates. The compound includes several one / two-story buildings, a Federal Prisons Industry (UNICOR) factory, educational and vocational facilities, six general housing units and one special housing unit.

The FPC is located outside the secure compound and will provide living units and support facilities for an additional 128 inmates. A Central Shared Facility, which is comprised of general and UNICOR warehouses, a garage/landscape building, a fueling station, and a hazardous material building is also located outside the secure compound.

The USP / FPC structures consist of a combination of the following:

- Precast concrete cells (888 each) – mostly quad cells with some double cells which are all being cast on site
- Tilt up exterior concrete insulated sandwich panels totaling 25,734 square meters
- Structural concrete double tees on general housing roofs, with longest spans of 26 meters.
- Suspended cast-in-place and precast concrete floors
- Masonry interior walls and some exterior walls
- Secure Corridor with precast planks at ceiling level so all piping, ductwork and conduit is above the precast slabs
- Pre-engineered metal buildings
- Column free dayrooms in the general housing buildings
- All piping and ductwork in secure corridor is above precast concrete planks that make easy access and secure working conditions
- All piping and ductwork in plenum space above general housing and special housing cells are easily accessible for maintenance and later changes



Reference: *Mitch Miskimins*
Phone: *(202) 514-5982*
Email: *mmiskimins@bop.gov*
Original Budget: *\$113,000,000*
Actual Bid Amount: *N/A*
Final Budget: *\$115,000,000*

Design Start Date: *October 2002*
Bid Date: *N/A*
Construction Start Date: *March 2003*
Substantial Completion Date: *March 2005*
Final Completion Date: *March 2005*

Delivery Method: *Design / Build*

Federal Correctional Institution and Federal Prison Camp - Phase 1

Mendota, California

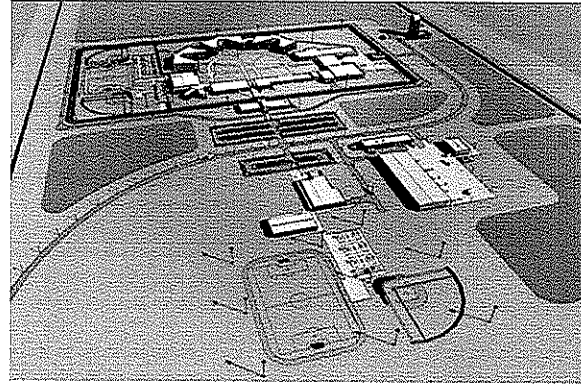
Project description:

This \$95.6 million design / build project is for the design and construction of the new Federal Correctional Institution (FCI) in Fresno County, Mendota, California.

This FCI, underway since December 2004, is being built on 230-acres of farmland located near Mendota, a small farming community in Central California.

The facility is designed to house more than 1,100 inmates and includes a Federal Prison Camp to house 128 inmates. The project includes construction of three 4-story general housing units, site work, and the Utility Plant.

One challenge that our project team faces is the site soil. It is mainly clay composition with very low load bearing capacity. It is subject to liquefaction in an earthquake—it would become like quicksand. This resulted in our design installing approximately 1,000,000 LF of Earthquake Drains which penetrate 50 feet into the soil to allow pore pressure relief in a seismic event.



Phase 2's design was sole-sourced to Arrington Watkins.

Reference: *Diane Vaughn, FBOP*
Email: *dlvaughn@bop.gov*
Phone: *(202) 514-5942*

Original Budget: *\$95,600,000*
Actual Bid Amount: *\$95,600,000*
Final Budget: *\$95,600,000*

Design Start Date: *12/2004*
Bid Date: *N/A*
Construction Start Date: *5/2005*
Substantial Completion Date: *2/2007*
Final Completion Date: *3/2007*

Delivery Method: *Design / Build*

Arizona State Prison Complex - Lewis

Buckeye, Arizona

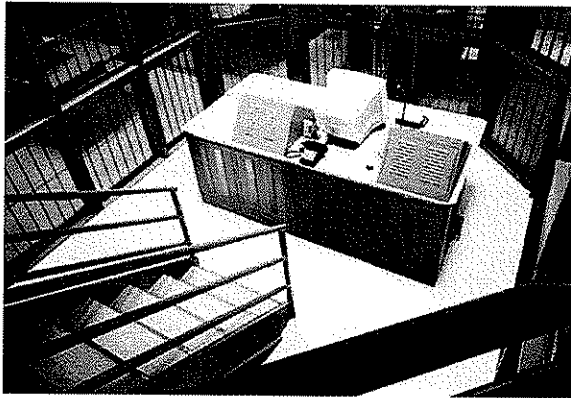
Project description:

The Arizona State Prison Complex – Lewis was designed by Arrington Watkins for the Arizona Department of Corrections.

ASPC Lewis is the only entire complex within the prison system to be designed and built as one project and was the largest publicly bid project in the State's history. The 4,150-bed prison complex consists of six independent units, each complete with its own administration and visitation building; support building with kitchen, dining, classrooms and properties storage; industries building; housing units appropriate to the classification level of the inmates; and secure perimeter. There are two 800-bed level 4 and two 800 bed level 3 male units, one 600-bed level 3 female unit, and one 350-bed high-security minor male unit, all within the ASPC-Lewis perimeter.



The units are supported by a Medical Facility and an Inmate Processing Building inside of the Complex perimeter and by several functions housed in buildings outside of the secure perimeter. These include the Administration Building; Central Warehouse; Vehicle Maintenance Building, Fire Station and Fueling Facility; and Maintenance Facility. The Visitor and Staff Processing Building is in the Complex perimeter. Support and delivery vehicles enter the prison complex and units via vehicle sally ports.



Because ASPC-Lewis is in a remote location, not accessible to municipal water and sewer services, the development of included a 1 million gallon per day wastewater treatment facility and water wells. At ASPC-Lewis the poor quality of ground water necessitated the design of an EDR water-treatment plant feeding 1 million gallons of water storage.

Due to the emergency need for beds, the State requested that Arrington Watkins develop and meet a very compressed time schedule in producing ASPC-Lewis. The firm responded by completing programming, design and construction documents for more than 1,000,000 square feet of buildings, ready for bidding, in a total of six months. Coupled with a compressed construction schedule, the project was delivered to the owner more than 12 months ahead of the State's original schedule.

Despite the schedule, the amount of change orders not due to scope changes by the owner was nine tenths of one percent of the construction cost. The owner was able to utilize the unused change order contingency to add further facilities and improvements to the Complex.

ASPC - Lewis was completed for a \$165,000,000, totaling less than \$40,000 per bed.

Reference: *Mike Rank, ADOA*
Email: *michael.rank@azdoa.gov*
Phone: *(602) 542-1983*
Original Budget: *\$165,000,000*
Actual Bid Amount:
Final Budget: *\$165,000,000*

Construction Start Date: *September 1997*
Substantial Completion Date: *September 1999*
Final Completion Date: *September 1999*
Delivery Method: *Design / Bid / Build*
Design Start Date: *July 1996*

Arizona State Prison Complex - Tucson II

Tucson, Arizona

Project description:

Located south of the existing Arizona State Prison Complex - Tucson, this new facility will be comprised of four prison units: one level 4 male unit and three level 3 male units. Each unit will house 1,100 inmates.

Although the prison complex contains a central medical outpatient facility to service all inmates, the State of Arizona made the decision to move all long term/special needs prisoners to this complex. For that reason, 500 ground level beds were specifically designed to accommodate those inmates in both level 3 and level 4 classifications.

Prison complex buildings supporting the facility include:

- Administration
- Regional pharmacy
- Warehouse
- Central kitchen
- Vehicle maintenance
- Facilities maintenance
- Visitor processing
- Medical
- In-take

Reference:

Mike Rank, ADOA
michael.rank@azdoa.gov
(602) 542-1983

Email:

Phone:

Original Budget:

\$200,000,000

Actual Bid Amount:

Project Pending

Final Budget:

Project Pending

Design Start Date:

Bid Date:

Project Pending

Construction Start Date:

Project Pending

Substantial Completion Date:

Project Pending

Final Completion Date:

Project Pending

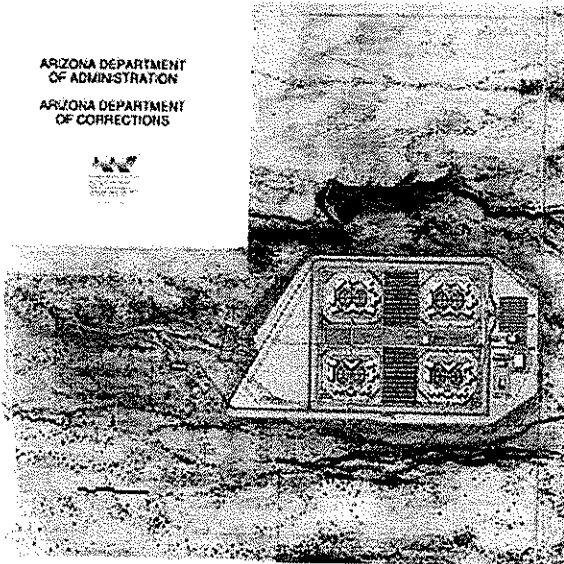
Delivery Method:

Design / Bid / Build



ASPC-TUCSON II

ARIZONA DEPARTMENT
OF ADMINISTRATION
ARIZONA DEPARTMENT
OF CORRECTIONS



Federal Correctional Institution and Federal Prison Camp - Phase 2

Mendota, California

Project description:

Arrington Watkins Architects had the unique opportunity of being selected for this project directly by the Federal Bureau of Prisons based on its performance during Phase I design and construction. Phase I utilized the Design/Build Delivery Method. Arrington Watkins was contracted to take the current Design/Build documents and create complete bid documents for Phase II for the remainder of the construction.

This Federal Correctional Institution / Federal Prison Camp is being built on 230-acres of farmland located near Mendota, a small farming community in Central California. The FCI is designed to house over 1100 inmates and the FPC will house 128 inmates.



Reference: *Diane Vaughn, FBOP*
Email: *divaughn@bop.gov*
Phone: *(202) 514-5942*

Original Budget: *\$ 113,892,572*
Actual Bid Amount: *\$ 113,892,572*
Final Budget: *\$114,256,391*

Design Start Date: *6/2007*
Bid Date: *N/A*
Construction Start Date: *1/2008*
Substantial Completion Date: *9-9-2009*
Final Completion Date: *9-9-2009*

Delivery Method: *Design / Build*

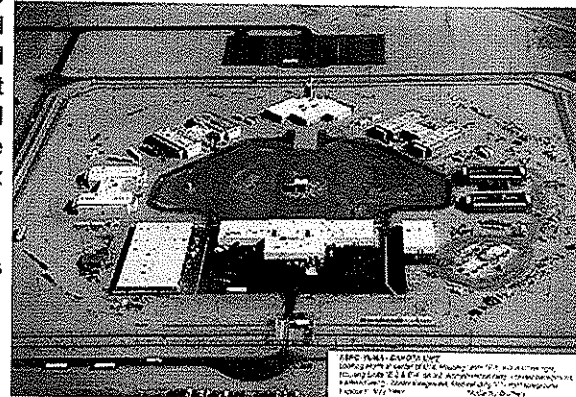
Arizona State Prison Complex Yuma, Dakota Unit

Yuma, Arizona

Project description:

This 800-bed level 4 security prison is the third unit addition to ASPC - Yuma complex. Level 4 unit contains four double occupancy cell housing units, administration, medical, lock-up, educational and vocational training, kitchen/dining, library and other support facilities. With the addition of this third unit, it was necessary to add complex buildings. Those included under this contract were administration, staff training, vehicle maintenance, and complex maintenance.

The facility was completed as part of the 4,150-bed ASPC - Lewis and 400-bed Southwest Regional Juvenile Correctional Complexes. The project was completed on schedule and within budget.



Reference: Mike Rank, ADOA
Email: michael.rank@azdoa.gov
Phone: (602) 542-1983

Original Budget: \$24,500,000
Actual Bid Amount: \$24,500,000
Final Budget: \$26,600,000
Owner requested
Change orders

Design Start Date: January 1996
Final Completion Date: July 1996

Delivery Method: Design / Bid / Build



ADOA 1,000 Bed Addition

Various Locations Arizona

Project description:

Arizona Department of Administration and Arizona Department of Corrections were in need of 1,000 additional beds on four sites, across Arizona. This project had a small budget and a 10-month schedule for design and construction.

An executive team was established with key players from the Design team, the CMAR, ADOA and ADC. The team worked hand in hand to review plan options, construction materials, site configuration and budget for four sites.

The contractor was an integral part of developing construction costs and reviewing build-ability. Several systems and configurations were reviewed, and, ultimately, for cost, time and coordination, pre-engineered building structures were selected.

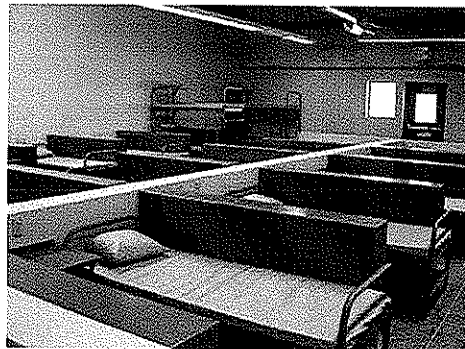
By Design Documents the building footprints were established and an early design package was released to pre-engineered building manufacturers.

While Construction Document's where being completed, unknown costs were managed with contingencies while the contractor coordinated with subcontractors to develop a GMP.

Through construction the team continued to work as one to coordinate field issues, coordinate trades and evaluate costs with less than 30 RFI's. The remaining allowance money was used for user "Wish List" items.

Final cost of construction with "Wish List" was less than the original GMP.

Reference:	Mike Rank, ADOA
Email:	<i>michael.rank@azdoa.gov</i>
Phone:	<i>(602) 542-1983</i>
Original Budget:	\$35,000,000
Final Budget:	\$25,000,000
Design Start Date:	January 2004
Final Completion Date:	November 2004
Delivery Method:	CMAR



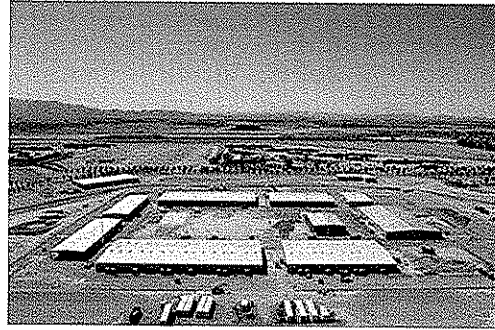
ADOA 4,000 Bed Addition

Various Locations Arizona

Project description:

Similar to the ADOA 1,000 bed, Arizona Department of Administration and Arizona Department of Corrections were in need of 4,000 additional beds on three sites, across Arizona. Arrington Watkins Architects designed a 1,000 bed addition to Arizona State Prison Complex - Perryville, 1,000 Bed addition to Arizona State Prison Complex - Tucson and 2,000 additional beds to Arizona State Prison Complex - Yuma. Arrington Watkins completed programming, master planning and complete design in 8 months. Construction is currently on going.

Reference:	Mike Rank, ADOA
Email:	michael.rank@azdoa.gov
Phone:	(602) 542-1983
Original Budget:	\$175,000,000
Final Budget:	\$175,000,000
Design Start Date:	July 2007
Final Completion Date:	March 2011
Delivery Method:	CMAR



Nevada 960 Bed

Various Locations Nevada

Project description:

The State of Nevada Department of Corrections has been experiencing severe inmate overcrowding within their system. The Department initiated an emergency Bed Expansion program through the Legislature. The State Public Works Board and the NDOC sole sourced the project to Arrington Watkins based on our previous working relationship.

NDOC decided to utilize the Design / Build delivery method for this project. The legislature mandated that the beds be completed in a short time frame which only allowed for two months to complete design.

Arrington Watkins Architects quickly assembled a design / build team with all consultants and began the design of a 960-Bed expansion that has four 240-Bed housing buildings located on three existing sites within the State's system (Arrington Watkins Architects was not only able to develop the new designs within the time frames required by the Department).

The designs developed have become the prototypical type housing for minimum to low medium custody inmates.

The scope of services includes the following:

- Design of the facilities including site adaptation.
- Direct and manage the design team including all consultants.
- Prepare all required documents (plans and specifications) required for both permitting and construction.
- Procure all required approvals and permits through the state's peer review process.
- Assist the state and the contractor through all phases of construction including the final close-out process.



Reference:

Dan Daily,
Nevada Public Works
dmdaily@spwb.state.nv.us
(775) 684-4116
\$30,000,000
N/A
July 2007
N/A
September 2007
March 2008
On schedule for early completion
Design / Build

Email:
Phone:
Original Budget:
Actual Bid Amount:
Final Budget:
Design Start Date:
Bid Date:
Construction Start Date:
Substantial Completion Date:
Final Completion Date:
Delivery Method:

Globe - 100 Bed Expansion Male Minimum Security Facility

Globe, Arizona

Project description:

Level 2 male minimum security prison expansion to accommodate an additional 100 inmates. Expansion included new construction for additional housing units and warehouse. Expansion affected all support facilities including dining, visiting, administration, education, storage, security and medical. The majority of the construction was performed by inmate labor under the Arizona Inmate Labor Program. Perimeter security was maintained throughout construction as work was performed within the existing perimeter. Extension of the perimeter was performed around the new ball field, leaving the existing fence intact and providing a gate access to the new recreation area.

5,914 sf renovation (dining, medical, yard control, administration)
24,987 sf new construction (housing units, warehouse)

Reference:

Mike Rank
Arizona Dept. of Administration
michael.rank@azdoa.gov
(602) 542-1983
\$2,250,000.
N/A
\$2,251,500.
May 1995
N/A
September 1995
December 1996
On schedule for early completion
Fast Track Design - Inmate Labor

Email:

Phone:

Original Budget:

Actual Bid Amount:

Final Budget:

Design Start Date:

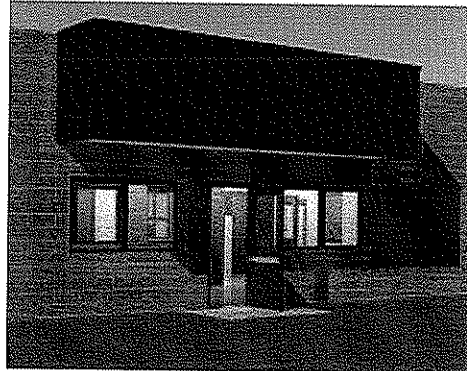
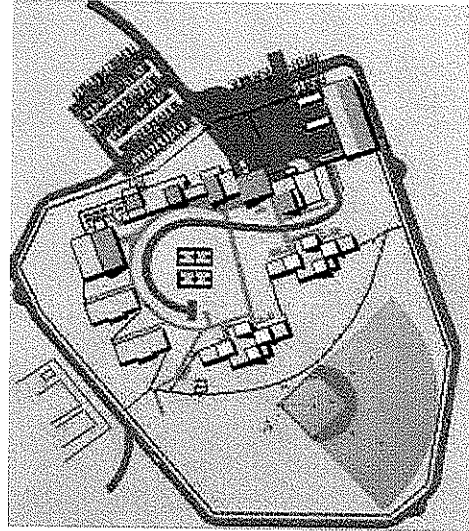
Bid Date:

Construction Start Date:

Substantial Completion Date:

Final Completion Date:

Delivery Method:



Rincon Minor

Tucson, Arizona

Project description:

This Level 5 minor male custody facility is located within an existing level 4 adult male prison. The new housing units will eventually become part of the existing facility. This created design challenges for a housing unit to meet minor level 5 and adult level 4 standards simultaneously. Perimeter fencing had to protect the facility level of security while visually maintaining separation between minor and adult inmates. As the minor units is temporary, support buildings (visitation, medical, administration, and kitchen/dining) were of modular construction. Renovations and additions included the existing visitation, administration/medical and educational support areas.

Reference:

Mike Rank
Arizona Dept. of Administration
michael.rank@azdoa.gov
(602) 542-1983
\$2,653,000.
\$2,653,000.
\$2,653,000.
1996
February 1996
1998
November 1999
November 1999
Design/Bid/Build

Email:

Phone:

Original Budget:

Actual Bid Amount:

Final Budget:

Design Start Date:

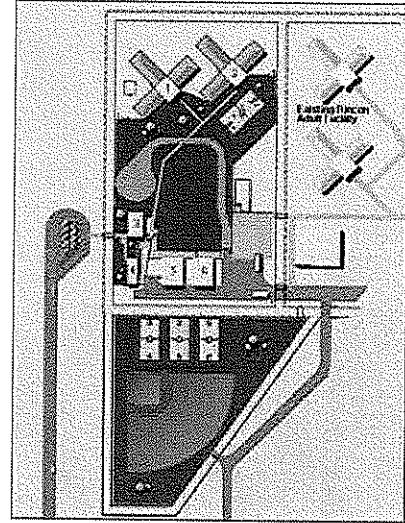
Bid Date:

Construction Start Date:

Substantial Completion Date:

Final Completion Date:

Delivery Method:



Durango Juvenile Facility Life Skills and Counseling Renovation

Phoenix, Arizona

Project description:

The scope of work was to remodel an existing juvenile facility. The remodeling consisted of the renovation of seven existing 20 cell inmate Housing Units and the tenant improvements for converting the existing Medical Unit to a new Skill and Counseling Unit. The renovation included adding new mechanical and electrical systems, providing new door hardwires, and upgrade the existing security electronic system of the facility.

32,778 sf Interior Renovation

Reference:

James McFadden
Retired Arizona Dept. of Corrections

Email:

N/A

Phone:

(480) 759-9484

Original Budget:

\$1,000,000.

Actual Bid Amount:

Final Budget:

\$1,000,000.

Design Start Date:

January 2006

Bid Date:

April 2006

Construction Start Date:

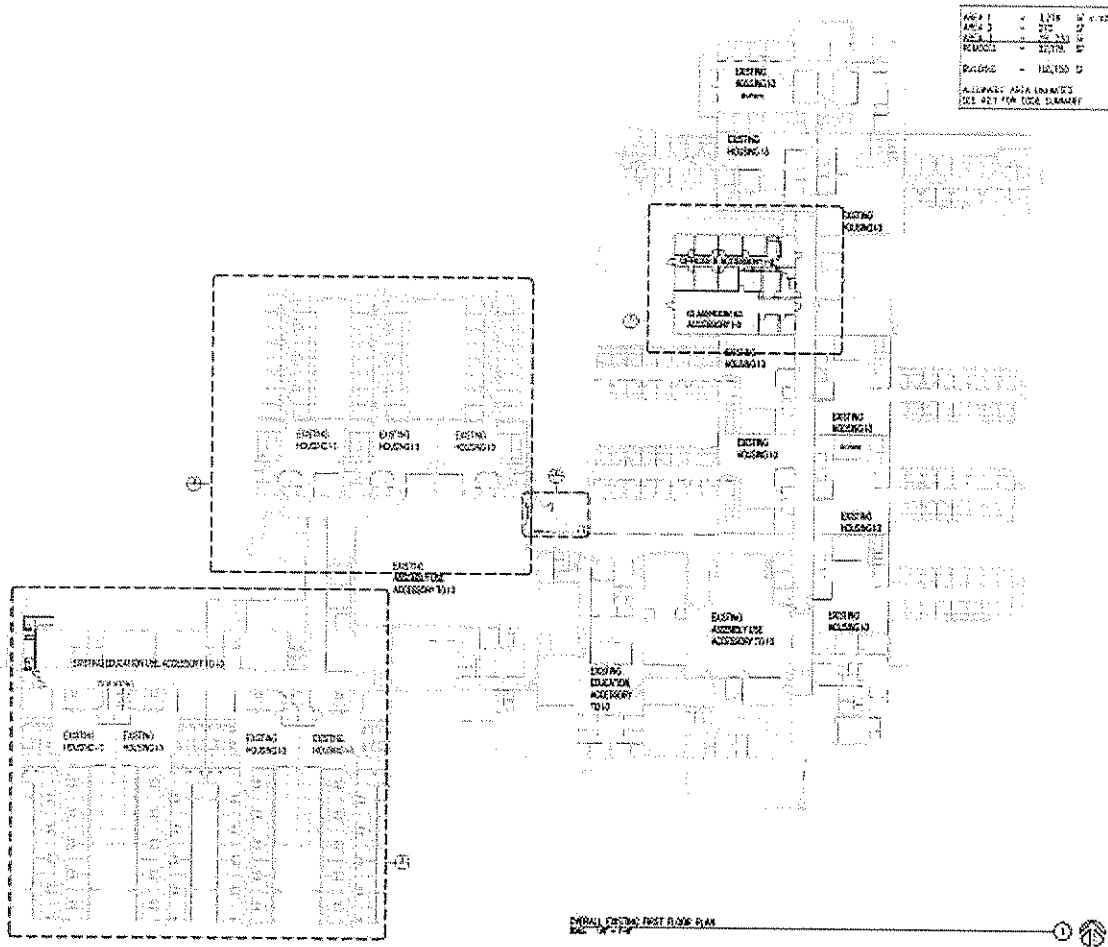
November 2006

Substantial Completion Date:

December 2006

Final Completion Date:

Design/Bid/Build



(a) PRIOR EXPERIENCE:
Additional Correctional Projects - Arrington Watkins

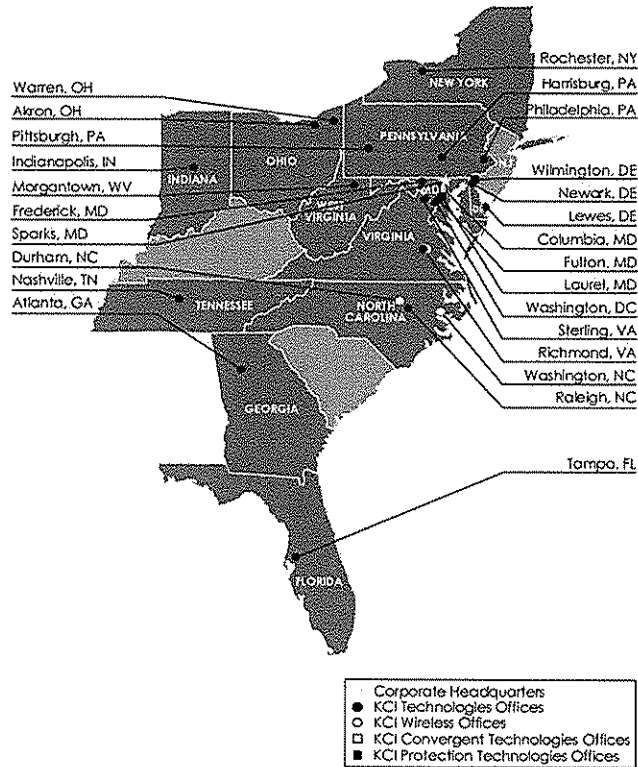
Project Name	Bed Count	Security Level	Cost	Delivery Method
Northern Nevada Prototypical Tee Expansion - Nevada	336	Medium - Max	\$22,000,000	D/B/B
Southern Desert Prototypical Tee Expansion - Nevada	336	Medium - Max	\$42,000,000	D/B/B
Stanley Correctional Facility - Wisconsin	1,500	Medium	\$50,000,000	D/B
High Desert State Prison - Prison 8 - Nevada	2016	Maximum	\$190,000,000	D/B/B
Nevada 960 Beds: Housing Units - Nevada	960	Min Dorms	\$30,000,000	D/B
High Desert Men's Prison Phase V Housing Units - Nevada	672	Medium - Max	\$46,000,000	D/B
High Desert Men's Prison Phase IV Housing Units - Nevada	672	Medium - Max	\$47,812,968	D/B/B
FCI/FPC - Mendota, California	1,664	Min - Max	\$159,000,000	D/B
San Juan County Adult Detention Facility - New Mexico	1,024	Jail	\$20,800,000	D/B
USP/FPC, Tucson, Arizona	960	Min - Max	\$113,500,000	D/B
ADOA - 1000 Bed Expansion - Arizona	1,000	Minimum	\$25,000,000	CMAR
High Desert Men's Prison Phase III - Nevada	None	Medium - Max	\$11,000,000	D/B
High Desert Men's Prison Phase I & II - Nevada	1,300	Medium - Max	\$85,000,000	D/B
ASPC-Tucson II - Arizona	4,400	Medium	\$194,000,000	CMAR
Kingman DUI - Arizona	1,400	DUI	\$43,000,000	D/B
Lewis Complex - Arizona	4,150	Med - High	\$168,000,000	D/B/B
Yuma - Dakota Unit - Arizona	800	Medium	\$28,000,000	D/B/B
Crowley County Correctional Facility - Colorado	1,500	Medium	\$36,000,000	D/B
Central Oklahoma Corrections Facility - Oklahoma	1,000	Medium	\$26,000,000	D/B
Florence RTC-DUI - Arizona	600	Medium	\$10,300,000	D/B
Huerfano County Correctional Facility - Colorado	752	Medium	\$24,218,000	D/B
SW Regional Juvenile Corrections Complex - Arizona	300	Med - High	\$14,000,000	D/B/B
Lawrenceville Correctional Facility - Virginia	1,500	Medium	\$32,000,000	D/B
Rincon Minor Male Custody Facility - Arizona	200	High	\$2,653,000	CMAR
Delta Correctional Facility - Mississippi	1,000	Medium	\$17,125,000	D/B
Special Management Unit II - Arizona	768	Supermax	\$28,500,000	D/B/B
ASPC-Globe Additions/Renovations - Arizona	100	Medium	\$2,250,000	D/B/B
Arizona Correctional Training Center - Arizona	350	Minimum	\$4,255,000	D/B/B



FIRM PROFILE

Introduction to KCI Technologies, Inc.

Early Corporate History – The history of KCI Technologies can be traced to a small firm operating out of the basement of the co-founders Baltimore County, Maryland home in 1955. By its second year, the company took up residence in a proper facility, only to change locations several times over the next decade in a succession of moves that paralleled its growth. In 1977, it was purchased, along with three other architectural and engineering firms, by industrial products conglomerate Walter Kidde & Company. The Kidde acquisitions merged into and engineering subsidiary that came to be known as Kidde Consultants Inc., or KCI. During the 1980s, KCI expanded throughout the Mid-Atlantic, opening new offices in Maryland, Delaware, Virginia and Pennsylvania.



Employee Ownership – In August 1987, Hanson Trust PLC of Great Britain, a manufacturing company with diversified holdings worldwide, purchased Kidde, the parent company. Soon thereafter, KCI initiated an employee buyout from Hanson, which was completed in December 1988. KCI became Maryland’s largest employee-owned company. In 1991, the official name was changed to KCI Technologies, Inc. In 2008, the corporate headquarters was moved to its present location in Sparks, MD.

With revenues of approximately \$142 million in 2008, the Engineering News-Record has consistently placed KCI among the top consulting engineering firms in the country. Today our roughly 950 employee owners operate out of 25 offices in 12 states – Delaware, Florida, Georgia, Indiana, Maryland, New York, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia and West Virginia – and the District of Columbia.

Technical Expertise – With a professional staff of engineers, planners, scientists, surveyors, and construction managers, we offer a broad range of engineering services, including civil, structural, transportation, environmental, hazardous waste, mechanical, electrical, telecommunications, and soils. But engineering is not all we do. We also provide cultural and environmental resource management services, land planning and landscape architecture, geology, hydrology, ecology, surveying, and construction management and inspection. All of our service lines are supported by a team of CADD operators, GIS specialists, database and Web programmers, and other computer-savvy professionals working on state-of-the-art equipment.

At KCI, we believe that our broad technical expertise, combined with our unique commitment as employee owners, has enabled us to emerge as industry leaders whose customers can count on excellent service time and again.



ROBERT R. MILNE, PE

Division Chief E-VIII, Senior Associate

Education:

BS / 1990 / Civil Engineering / West Virginia University
MS / 1999 / Civil Engineering / West Virginia University

Registration:

PE / WV / 014177 / 1999
PE / PA / PE061465 / 2002

Years Experience: 19

Years with KCI: 7

Experience:

Mr. Milne is the Division Chief in KCI's Morgantown, West Virginia office. He is responsible for the offices' daily operation, supervision of staff, and management of large projects. Mr. Milne is also experienced in civil/site design, utilities, and buildings as well as roadway and storm sewer design; highways, bridges, traffic studies; and construction administration and inspection. Relevant project experience includes:

A/E Support Services Multiple Award Task Order Contracts, Various Locations, Federal Bureau of Prisons. Alderson Federal Prison Camp, Alderson, WV. Task Manager. As a sub consultant KCI supported Smolen Emr Architects on this project. Mr. Milne served as Project/Task Manager for Alderson FPC Multi-Purpose Building. Lead civil engineer for site design; design of parking lots, roadway improvements, utility lines, sidewalks, drainage, storm water retention, grading plans, E&S, preliminary construction cost estimates.

West Virginia University Architectural and Engineering Open End. Morgantown, WV. Division Chief/Project Manager. KCI was awarded an open end contract to provide multi-disciplined engineering services to the West Virginia University. **Work Order No. 1** - KCI performed a structural assessment of the Summit Hall Parking Garage along Grant Street. **Work Order No. 2** - KCI performed a structural analysis of the Evansdale Library. **Work Order No. 3** - KCI provided the University with Structural Engineering and Drafting Services associated with the design of a replacement wood deck and support beams for a Pedestrian Bridge. **Work Order No. 4** - KCI is providing the University with complete design services for the reconstruction of the East Wall of the Coliseum Tunnel which is in current need of repair. **Work Order No. 5** - KCI will be providing the University with structural and electrical engineering services required to examine the existing conditions of steam tunnel A and prepare construction documents and project specific specifications to repair deficiencies in steam tunnel A.

New Northside Fire Station. Morgantown, WV. Division Chief/Project Manager. KCI was a sub-consultant to Bignell Watkins Hasser for the New North Side Fire Station for the City of Morgantown. This project was just recently completed. KCI was responsible for overall site design, access road, utility lines, sidewalks, landscaping, drainage, storm water retention, grading plans, erosion and sedimentation control plans, and all the site/civil permitting. Client is pursuing LEED certification.

WVU Downtown Student Housing Project. Morgantown, WV. Division Chief/Project Manager. KCI is a sub-consultant to Paradigm Architecture for the proposed Downtown Student Housing Project. This project is currently under construction. KCI is responsible for overall site design, courtyard, utility lines, sidewalks, drainage, storm water retention, grading plans, erosion and sedimentation control plans, and all the site/civil permitting.

Harpers Ferry National Park Historic Train Station. Harpers Ferry, WV. Project Manager. KCI was sub-consultant to a national design/build contractor to provide electrical, site/civil, and structural engineering support services for this Historical Renovation project. KCI was responsible for designing a 92 space parking lot, sidewalks and lighting at the Historic Harpers Ferry Train Station. In order to meet the deadlines of our client, this project was placed on a fast track schedule. The preliminary and final design of the parking lot was completed in less than a month.



JOHN W. RUDMANN, PE, PLA

Senior Engineer

Education:

BS / 1995 / Civil Engineering / West Virginia University
BS / 1992 / Landscape Architecture / West Virginia University

Registration:

PE / WV / 14779
PLA / WV / 341
Also a Registered PE in MD & PA
Also a Registered RLA in MD & PA

Years Experience: 14

Years with KCI: 2

Experience:

Mr. Rudmann is a civil engineer and a landscape architect with experience in site development, utility design, community enhancement projects such as parks, trails, and streetscape design, project master planning, roadway design, road rehabilitation and repair, landscape and bio-filtration design, and LEED certification. He has been a project manager as well as a design engineer. He has effectively managed staff to complete large fast paced projects as well as managed small trail and park projects, keeping them within budget while maintaining high client satisfaction. He has completed all the design tasks associated with these projects and is proficient with all the computer software.

New Northside Fire Station. Morgantown, WV. Senior Design Engineer. Mr. Rudmann was responsible for the overall design of all site/civil services which included site design, access roads, utility lines, sidewalks, drainage, storm water quality and retention, grading plans, erosion and sedimentation control plans, and the permitting. KCI was a sub-consultant to Bignell Watkins Hasser for the New North Side Fire Station for the City of Morgantown. This project was just recently completed. The new Morgantown Fire Station will be a LEED Certified building.

WVU Downtown Student Housing Project. Morgantown, WV. Senior Design Engineer. Mr. Rudmann was responsible for the overall design of all site/civil services which included utility lines, sidewalks, drainage, storm water retention, grading plans, courtyard pedestrian design, erosion and sedimentation control plans, and permitting. KCI is a sub-consultant to Paradigm Architecture for the proposed Downtown Student Housing Project. This project is currently under construction.

USDA/GSA Building. Sabraton, WV. Project Manager. Mr. Rudmann was responsible for the overall design of all site/civil services which included site design, access roads, utility lines, sidewalks, drainage, storm water quality and retention, grading plans, erosion and sedimentation control plans, and the permitting. Mr. Rudmann also completed all the necessary LEED submittal paperwork for sustainable site and water efficiency credits. KCI is a sub-consultant to Paradigm Architecture. KCI is providing site/civil engineering services for this design-build project.

The Dayton. Morgantown, WV. Senior Design Engineer. Mr. Rudmann was responsible for the overall design of all site/civil services. KCI was sub-consultant to Paradigm Architecture for the Dayton. The Dayton is a 3-story building located at the corner of Ridgeway Avenue, Dayton Street and Richwood Avenue in Morgantown, providing retail space and parking on the ground level with off-campus student housing on the upper floors of the building. KCI was responsible for overall site/civil design, water lines, sanitary sewer, general utility coordination, site/civil permitting and erosion and sediment control. The storm-water filter used on this project was a low cost practical solution that met the current Morgantown Utility Board's Regulations and was within the owner's budget.



TIMOTHY MILLER

Senior Associate

Education:

BS / 1980 / Civil Engineering / Pennsylvania State University

AS / 1978 / Civil Engineering Technology / Community College of Allegheny County

Years Experience: 30

Years with KCI: 10

Experience:

Mr. Miller is a Project Manager/Civil Engineer with 29 years experience in numerous projects where his responsibilities have included plans, specifications, cost estimates, and management for projects involving residential subdivisions; military and DOD facilities; commercial and industrial facilities; educational, health, and institutional installations; and roads and highways. These projects have involved site development plans, storm water management, drainage, erosion and sediment control plans, grading, and utilities. His experience also includes preliminary plans and the processing of residential subdivisions. Relevant project experience includes:

Maryland Correctional Institute for Women - Site Infrastructure and Dining Improvements. Jessup, MD. Project Engineer. Design for erosion and sediment control, utilities, roads, security fencing, access road, sally port, and overall site grading. KCI provided overall project management and comprehensive engineering services, that included mechanical, electrical, structural, civil, and geotechnical engineering for the renovation and addition to the institution's existing kitchen/dining operations. The project involved a multi-phase design in compliance with the institution's overall master plan.

A/E Support Services Multiple Award Task Order Contracts. Nationwide. Civil Engineer. As a sub consultant KCI supported Smolen Emr Associates Architects on this open-end Federal Prison Project. Tasks completed have included: Butner Federal Medical Center, NC; Cumberland Correction Institution, MD; and Alderson FPC Multi-Purpose Building.

Jubilee & Good Shepherd - Design. Washington, DC. Project Manager. KCI provided civil/site engineering, utility engineering, structural and geotechnical engineering, landscape architectural, and surveying services for this \$2.5 million project. The proposed improvements consist of the re-development of infrastructure for four 3-story multi-family housing developments in the Adams-Morgan section of Northwest, Washington DC.

Civil and Structural Design Engineering Services for the University of Maryland. College Park, MD. Staff Team. Ludwig Field – KCI provided engineering and surveying services associated with the new water line service and booster pump needed as part of the overall renovation of the soccer field. KCI also prepared documents to meet DNR's request for a Natural Resources Inventory/Forest Stand Delineation and Forest Conservation Plan. The new field is a natural sand based turf field. Construction Documents for the renovation work and new irrigation and under drain systems were developed. KCI provided an expeditor for the MDE Review Process.

Carnegie Institute of Washington - Experiment Building. Washington, DC. Civil Engineer. KCI provided site planning, site/civil engineering, landscape architecture, surveying, and construction administration services for the demolition of a portion of the existing experiment building, proposed renovation and addition to the existing building. The addition and renovation included a theatre and presentation area for visiting researchers and staff. This unique project also involved the design of a promenade and plaza area adjacent to the proposed building addition. The project was under construction at a total cost of \$1,500,000. KCI's fee for services was \$17,000.



A/E SUPPORT SERVICES MULTIPLE AWARD TASK ORDER CONTRACTS

Nationwide

Client: Federal Bureau of Prisons
Contact: Jim Emr (Smolen Emr Assoc. Architects)
(301)770 – 0177



Highlights:

As a sub consultant KCI supported Smolen Emr Associates Architects on this open-end Federal Prison Project. Tasks completed have included:



Alderson FPC - Multi-Purpose Building, West Virginia - KCI provided civil and site engineering and surveying services for this prison located in West Virginia. Specific scope items have included:

Schematic Design Documents – KCI provided a schematic design for the proposed project area. KCI provided survey services for the project area. Any proposed access roads, driveways, sidewalks were identified in a conceptual manner during this phase. Drainage areas were also determined and all existing drainage features were identified. KCI also created Conceptual grading plans of the project site.

Design Development Documents - Based upon comments received from the schematic design submission and the concepts developed during schematic design, KCI performed the preliminary design. KCI performed Preliminary Design Services for all site amenities such as the parking lot, access road, and sidewalks. KCI also created Preliminary Plan and Profiles, Cross-Sections, and typical sections for all access roads and driveways within the project site. KCI completed the preliminary drainage design in accordance with WDOH specifications and prepared preliminary erosion and sedimentation control plans. At the completion of the design development phase, KCI provide outline specifications to the owner.

Construction Documents - Based upon comments received from the design development submission KCI finalized the design and submitted the construction documents to SEA in preparation for the project to be bid for construction. During this phase KCI completed final design of the Contour grading plan. KCI finalized all design services for all site amenities, services included: Plan and Profiles, Cross-Sections, and Typical Sections. Drainage design and final erosion and sedimentation control plans were also completed. Service connections for all proposed utilities were also finalized during this phase from the tie-in location to the building footprint. At the completion of this phase KCI provided the owner with the final civil site project specifications.

Final design for the Multi-Purpose Building has been submitted to the FBOP. The project is currently waiting on funding to start construction.

Cumberland Correction Institution, MD - provided engineering services in troubleshooting district heating, primary and secondary loop corrosion problem. Scope of services included a detailed site survey of nineteen (19) mechanical rooms, review of as-built drawings, evaluation of existing control systems, review of maintenance records and water treatment procedures. A report was generated proposing solutions to the ongoing mechanical problems involving the entire heating water, including heat transfer to the hot water generators.

Butner Federal Medical Center, NC - scope of services included providing concept design and engineering solution to inadequate water pressure at medical center. Proposed solution was replacement of existing triplex booster pump set currently serving floors 3, 4 and 5 with a larger triplex pump set sized to accommodate the entire building. Project included development of short specifications, phasing plan, and construction cost estimate.

FCI Memphis, TN - New Outside Administration Building - KCI provided approximately 3 acres building Civil site design, parking lots, site drainage, geotechnical services and land survey for about 10,000 SQ-FT Federal Bureau of Prisons' New Outside Administration Building, FCI Memphis, TN. KCI completed construction plan and specification for the project.



MARYLAND CORRECTIONAL INSTITUTE FOR WOMEN - SITE INFRASTRUCTURE AND DINING IMPROVEMENTS

Jessup, MD

Client: Gaudreau, Inc.

Contact: Dave Gaudreau
(410) 837-5040

Highlights:

KCI Technologies provided overall project management and comprehensive engineering services, that included mechanical, electrical, structural, civil, and geotechnical engineering for the renovation and addition to the institution's existing kitchen/dining operations. The project involved a multi-phase design in compliance with the institution's overall master plan. Key technical elements include:

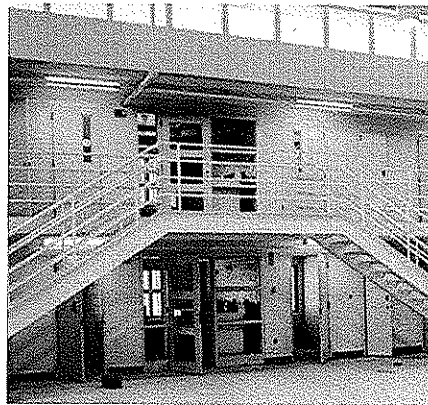
Phase I: Site Improvements Project - To accommodate the kitchen/dining addition and renovation, major site and infrastructure improvements (utilities and roadways) were necessary. The KCI Team developed a comprehensive approach that met the projects' directives without compromising the institution's physical and electronic security. Key technical challenges included:

- provision of a new 12" main waterline to serve the new kitchen, as well as future projects at the site,
- re-work of the existing sanitary and storm water utility infrastructure and the addition of a new storm water management pond,
- provision of a new delivery roadway and kitchen/dining loading dock delivery turnaround,
- a new 3-story security tower and associated sally-port,
- over 1,000' perimeter security fencing and associated perimeter lighting utilizing @1000W metal halide and 1000W halogen floodlights;
- area lighting consisting of 90' high mast poles with six 1000W metal halide lamps.

Phase II: Kitchen/Dining Renovation & Addition - with the completion of the site improvement phase of the project, the KCI Team proceeded with the development of construction documentation for a 6000 GSF addition and a 10,000 GSF renovation of the existing kitchen and dining operation which serves 1,100 inmates per day.

A critical challenge of the project was to implement the renovation without interrupting existing foodservice operations. The KCI Team successfully met this challenge through phased construction of the kitchen addition and the provision of redundant utilities.

Project also involved removal of existing bearing wall and design of temporary permanent structural systems to replace them and depressing existing structural slabs including the design for replacement structural support systems for those slabs.





720 BED MEDIUM / MAXIMUM SECURITY FACILITY

Hagerstown, MD

Owner: Maryland Department of General Services

Contact: David Ralls
(410) 767-4338

Highlights:

To increase its capacity, the Maryland House of Corrections built a \$15.8 million addition of two new maximum security cell blocks (46,000 sq ft each) on a four-acre site. KCI Technologies provided resident inspection, office engineering and testing services, from site grading and foundations to special flooring and cell door locking system for this site. Our on-site staff and in-house specialists were responsible for the inspection of sediment/erosion control, storm drainage, utilities, 480-volt electrical system, HVAC systems that included steam heat lines, structural steel, fire detection and fire alarm systems, sprinklers, communications system and cable television, roofing, landscaping, and paving. KCI's resident inspector established project documentation and filing systems, set up the site office, monitored quantities, maintained red-line drawings, and performed daily inspections of all work in progress.

For the construction of this project, the method for building the cell blocks was used for the first time in the State of Maryland. This method is referred to as the "French Outanoid" system. In this system, six cell blocks are locked together and five are poured with concrete monolithically. If the concrete cylinder breaks meet specifications, the form can be stripped in 24 hours and the construction of the next cell blocks can proceed.

Construction was performed under strict security provided by the owner. No claims were filed on this project and the project was completed on schedule. Change orders involved security or safety code changes, such as the screws in cells were changed to stainless steel with a square head that could not be removed; paint in cell blocks was upgraded to a harder epoxy for safety reasons; and plumbing fixtures were changed to meet tighter security codes. Change orders were less than two percent of the construction bid cost.



MARYLAND HOUSE OF CORRECTIONS ANNEX - DESIGN OF THREE NEW BUILDINGS

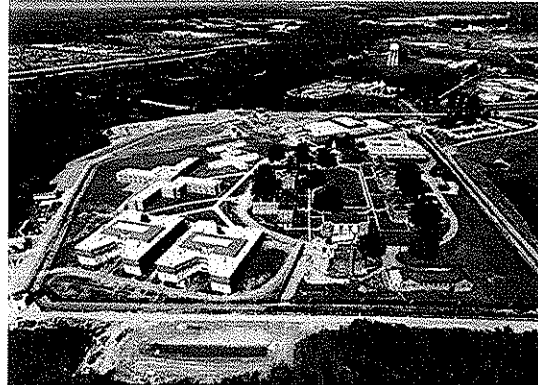
Jessup, MD

Owner: Maryland Department of General Services

Contact: David Ralls
(410) 767-4338

Highlights:

KCI Technologies as a sub consultant to the project architect and provided mechanical, electrical, civil, and geotechnical engineering and construction administration of the new Administration, Gatehouse and Registration, and Visitor and Security Buildings. These three buildings serve as the main entrance to the newly upgraded corrections facility at Jessup. The Administration Building houses the warden's primary activities, Accounting and Records Center for the whole facility. The Gatehouse Building handles the secured entry and exit from the prison, prison guard training, roll call, armory, and ammunition needs for the facility. The Visitation Building serves as the point of contact for secured communications between the prisoners and the public. Scope of services included: -



- complete HVAC, plumbing, and fire suppression systems engineering,
- complete electrical distribution and lighting systems engineering,
- security and life safety systems for the Annex complex, including the central consoles for the entire prison facility, door control and monitoring, fence detection, fire alarm, staff and security intercom and close circuit television,
- security fence designed to meet and match the existing facilities perimeter security,
- design of water and sanitary sewer mains,
- design of a single-stage pressure reducing station (for new steam lines) to the facility,
- grading of pedestrian areas and access drives to vehicle sally-port and to meet existing grades at the perimeter of the proposed site area,
- perimeter security lighting (metal halide and quartz lamp sources),
- perimeter fence alarm and detection system (shaker detection system),

KCI worked closely with the owner and architect to develop the program. Constraints included sight distance from guard towers, a small site, and the constraints imposed from the on-going operation. During design, KCI performed numerous constructability reviews to determine the structural feasibility and contractor practicality. Once designed and bid, KCI analyzed value engineering deducts offered by the low bidder. KCI continued providing support to the owner throughout construction with shop drawing review, change order and claim analysis, construction inspection and remedial design. Numerous issues arose during construction. The bottom of footing excavation was substantially different than borings indicated. KCI, with survey and geotechnical analysis, determined that the owner had used the site for spoil during the three years since borings had been taken. Since footing excavation was nearly complete, and some footings poured, lowering footing elevation would cause delay and additional cost. KCI revised the footing and slab-on-grade details to accommodate a reduced bearing capacity, and monitored footing construction closely. The owner elected to accept a deduct for utilizing an unapproved pre-engineered metal building manufacturer. KCI coordinated the detail changes with all trades. Member size changes affected mechanical and architectural systems and structural detail. Document changes were made and communicated with the contractor such that the project was not delayed. Timely decision making was critical as this was the longest lead time element of the project. This project was one of the more complex and sizable projects attempted by the contractor. Being overwhelmed with state agency requirements, poor site conditions, and a low bid, the contractor submitted numerous change orders and claims. KCI successfully addressed each to the owner's approval. Totaling over 40,000 SF, this \$6 million project was completed on-time and within budget.

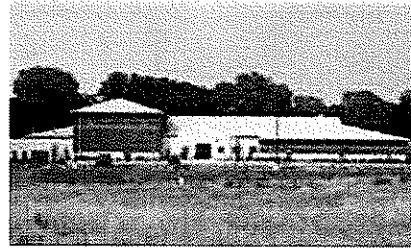


24-BED DESIGN-BUILD JUVENILE DETENTION CENTER

Hagerstown, MD

Client: ATI, Inc.

Contact: Chinmoy Mitra
(410) 992-3424



Highlights:

KCI Technologies provided mechanical, electrical, plumbing, lighting, utility, security, fire protection, and telecommunication engineering services for this design/build project for a 24-bed juvenile detention facility. This approximately 27,800 SF facility is located on 8.5 acres adjacent to the Hagerstown National Guard Armory near Maryland Route 65 and Roxbury Road in Washington County, Maryland. The facility provides educational, medical, counseling, housing, dietary and recreational space for detained youth from the communities of Garrett, Washington, Allegany, and Frederick Counties. The project was completed in 2003 at a total cost of \$7,500,000. KCI was responsible for \$2,250,000 worth of the project.



2222 Canal Road, Suite 200
Morgantown, WV 26505
Tel: 304-255-0275 Fax: 304-255-0146

2400 Valleydale Road - Suite 150
Morgantown, WV 26505
Tel: 304-255-2725 Fax: 304-255-2723

Additions & Alterations for KeyLogic Systems
3168 Collins Ferry Road
Morgantown, WV

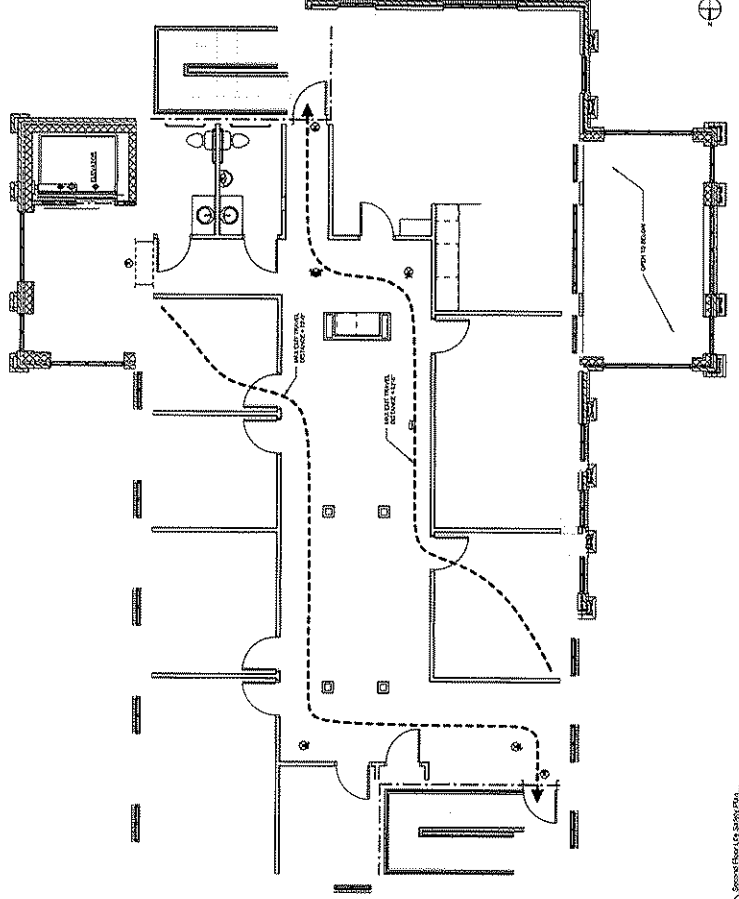
job number: 0837
date: 06/06/08

Second Floor Life Safety Plan
sheet number:
A1.02
drawn by: TOC
checked by: TOC

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LIFE SAFETY LEGEND

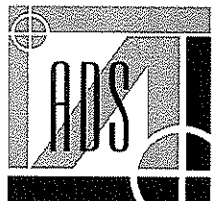
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	EXIT COMFORT
	EXIT CONVENIENCE
	EXIT EFFICIENCY
	EXIT EFFECTIVENESS
	EXIT RELIABILITY
	EXIT DURABILITY
	EXIT FLEXIBILITY
	EXIT ADAPTABILITY
	EXIT SCALABILITY
	EXIT SUSTAINABILITY
	EXIT RESILIENCE
	EXIT ROBUSTNESS
	EXIT REDUNDANCY
	EXIT BACKUP
	EXIT RECOVERY
	EXIT CONTINUITY
	EXIT AVAILABILITY
	EXIT ACCESS
	EXIT EGRESS
	EXIT EVACUATION ROUTE
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	EXIT DRILLS POINT
	EXIT EVACUATION POINT



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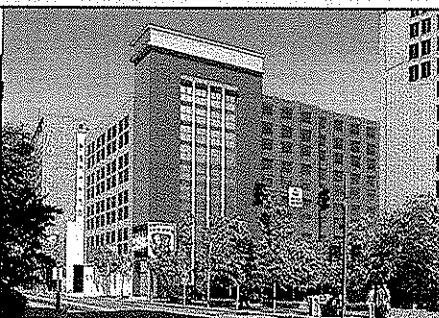
**CONSULTING ENGINEERING FIRM SPECIALIZING
 IN STRUCTURAL BUILDING DESIGN
 AND BUILDING ANALYSIS**

Allegheny Design Services is a consulting engineering firm specializing in structural building design and building analysis.

Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service structural engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration.

Over 20 years in Design and Project Management of:

- Commercial
- Industrial
- Institutional
- Educational Facilities



MIXED USE



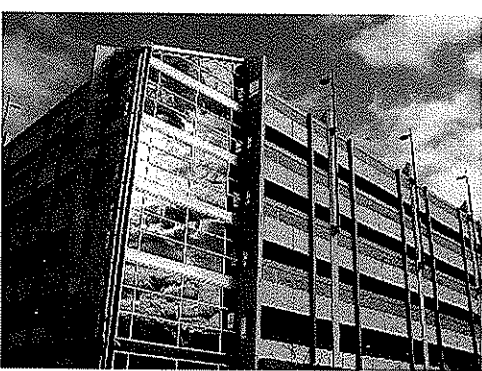
HOTEL
 CONFERENCE CENTERS



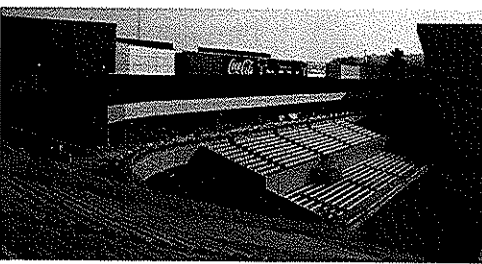
SECONDARY EDUCATION



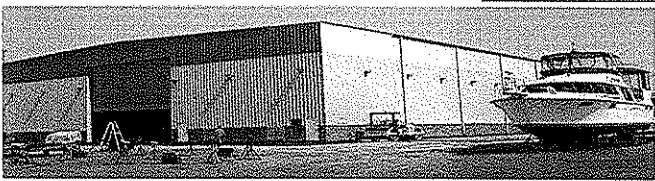
OFFICE BUILDINGS



PARKING GARAGES



ATHLETIC FACILITIES



METAL BUILDING SYSTEMS



HEALTH CARE



Allegheny Design Services

Structural Engineering

102 Leeway Street

Morgantown, WV 26505

Phone: (304)599-0771

Fax: (304)599-0772

E-mail: Dave@AlleghenyDesign.com

Web: www.AlleghenyDesign.com

FIRM PROFILE

Allegheny Design Services is a consulting engineering firm specializing in structural building design and building analysis.

Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service structural engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration. We currently hold licenses in West Virginia, Virginia, Maryland, Pennsylvania, and District of Columbia.

ADS's experience exceeds twenty-five years in the Design and Project Management of:

Commercial Facilities

Industrial Facilities

Institutional Facilities

Educational Facilities

ADS was established by David Simpson, P.E., MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. ADS utilizes a combination of office technology and a motivated staff to deliver projects typically up to \$25 million in construction value. We have completed design work for over \$150 million in construction since our inception. Our clients include architects, contractors, developers, attorneys, and insurance companies.

Building systems delivered by ADS include structural steel, reinforced concrete, precast concrete, and structural timber. ADS currently utilizes the latest engineering design and drafting software for the development of project work.

ADS is covered under a \$1 million liability policy for errors and omissions through Beazley Insurance Company.



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KEY PERSONNEL

David R. Simpson, P.E., SECB, MBA, President

West Virginia Institute of Technology, BSCE

West Virginia University, MBA

Structural Engineering Certification Board

P.E. Licenses in the following States:

West Virginia

Pennsylvania

Maryland

Virginia

District of Columbia

National Council of Examiners for Engineering and Surveying

Michael L. Sipe, E.I., Engineering Intern

West Virginia Institute of Technology, BS Mechanical Engineering

West Virginia University

Structural Analysis

Steel Design

Reinforced Concrete Design

Jason D. Robinson, E.I., Engineering Intern

West Virginia University, BS Civil Engineering



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David R. Simpson, P.E., SECB, MBA President

Education:

West Virginia Institute of Technology
B.S. Civil Engineering

West Virginia University
Masters Business Administration

West Virginia State College
Architectural Technology

Professional Registrations:

Year first registered: 1983
Structural Engineering Certification Board
West Virginia
Pennsylvania
Maryland
Virginia
District of Columbia
National Council of Examiners for Engineering and Surveying

Professional Memberships:

American Society of Civil Engineers
Structural Engineering Institute, Charter Member
American Concrete Institute
American Institute of Architects – West Virginia Chapter
American Institute of Steel Construction, Inc.
American Iron and Steel Institute Member

Continuing Education:

2005 AISC Specification for Structural Steel Buildings – September 27, 2006 – Pittsburgh, PA
ASCE Testifying Skills for Engineers – February 16, 2007 – Orlando, FL

Professional Experience:

Responsible for project management and design at Allegheny Design Services. Experience includes over 24 years in structural design and project management for industrial, commercial, institutional, and nuclear/chemical facilities utilizing steel, concrete, masonry, and wood. Past accomplishments include design and construction administration of health care facilities, hotels, schools, shopping centers, aircraft hangars, numerous retail facilities, and numerous forensic engineering assignments. Experience has been obtained from the following assignments:

Experience Record:

Allegheny Design Services, LLC, President,	May 2002 to Present
R.M. Gensert and Associates, Vice President,	August 1998 to May 2002
West Virginia University, Assoc. Director Construction	August 1988 to August 1998
Simpson Engineering, Owner	August 1988 to August 1998
CECO Buildings Division, Senior Structural Engineer	April 1985 to August 1988
Rockwell International, Facility Structural Engineer	March 1982 to April 1985
Bellard Ladner & Assoc., Staff Structural Engineer	Sept. 1981 to March 1982
PPG Industries, Facility Structural Engineer	January 1980 to Sept. 1981

Additional Professional Experience:

Experience encompasses design, project management, and construction administration for reinforced concrete, structural steel, precast concrete, masonry, and wood structures.

Project experience includes:

Fairmont Senior High School, Fairmont, WV
Belmont Community Center, St. Clairsville, OH
Monongalia General Hospital Operating Room Addition, Morgantown, WV
Chestnut Ridge Church, Morgantown, WV
West Virginia University Business and Economics Building, Morgantown, WV
West Virginia University High Density Book Storage Facility, Morgantown, WV
West Virginia University Life Sciences Building, Morgantown, WV
West Virginia University Student Recreation Center, Morgantown, WV
West Virginia University Wise Library Addition, Morgantown, WV
West Virginia University White Hall Computer Center, Morgantown, WV
UPMC Hillman Cancer Center, Pittsburgh, PA
Carnegie Museum of Natural History Addition, Pittsburgh, PA
Cultural Trust District Parking Garage, Pittsburgh, PA
Delaware Valley Veterans' Home, Philadelphia, PA
Fairmont State University Parking Garage, Fairmont, WV
First Avenue Parking Garage, Pittsburgh, PA
Hillman Cancer Center (UPMC), Pittsburgh, PA
New Enterprise Precast Corporate Headquarters, New Enterprise, PA
Respironics Corporate Office Facility, Pittsburgh, PA
International Brotherhood of Electrical Workers Headquarters Training Center, Pittsburgh, PA
Laurel Highlands Middle School Addition, Uniontown, PA
Trinity High School, Morgantown, WV
Mylan Pharmaceuticals Parking Garage, Morgantown, WV
Phipps Conservatory Addition, Pittsburgh, PA
Radisson Hotel and Conference Center, Morgantown, WV
Western Pennsylvania School for Blind Children, Pittsburgh, PA
In-Situ Vitrification Nuclear Waste Encapsulation Project, Richland, WA
Dominion Transmission Office Building, Clarksburg, WV
Multiple structural evaluations and expert witness for structural damage due to subsurface mining subsidence, floods, ice, wind, and construction errors
Over 400 low-rise metal building projects from Maine to South Carolina, including warehouses, aircraft hangar facilities, shopping centers, industrial facilities, and office facilities.



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Michael L. Sipe, E.I. Engineering Intern

Education:

West Virginia University Institute of Technology
B.S. Mechanical Engineering
Minor: Mathematics

Awards/Achievements/Organizations:

Deans List, last 4 completed semesters
Member of Pi Tau Sigma
Member of AISC
Associate Member of ASCE

Professional Registrations:

West Virginia, Engineering Intern License # 8519

Professional Experience:

Responsibilities include structural engineering design, construction documents, quality control, field engineering and project engineering.

Experience record:

Avery Court Apartments, Parkersburg, WV
Cutlip Christie Office Complex, Clarksburg, WV
Dominion Exploration Addition, Jane Lew, WV
Fairmont State University Smoke Vents, Fairmont, WV
Finite Element Analysis of Various Material Handling Structures
Gassaway Bank, Fiatwoods, WV
Glenmark Office Building, Morgantown, WV
Greer Limestone Conveyor Structure Renovations, Morgantown, WV
Morgantown Event Center, Morgantown, WV
Pressley Ridge School Residence Hall & Dining Facilities, Clarksburg, WV
Proplex Athletic Training Facility, Morgantown, WV
Waterfront Marina, Morgantown, WV
West Milford Elementary School Classroom Addition, West Milford, WV
WVU Downtown Student Housing, Morgantown, WV
WVU Puskar Academic Center, Morgantown, WV

Courses and Continuing Education:

WVU Structural Analysis I, Spring 2006
WVU Steel Design, Fall 2006
WVU Reinforced Concrete Design, Spring 2007
AISC Design Steel Your Way with the 2005 AISC Specification, September 2006
ASCE Steel Framed Buildings, May 2007
AISC Façade Attachments to Steel Frames, September 2007
ASCE Reinforced Masonry: Design and Construction, November 2007



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Web: www.AlleghenyDesign.com

**Jason D. Robinson, E.I.
Engineering Intern**

Education:

West Virginia University
B.S. Civil Engineering

Awards/Achievements/Organizations:

Dean's List
Member of AISC
Associate Member of ASCE

Professional Registrations:

West Virginia, Engineering Intern License #8699

Professional Experience:

Responsibilities include structural engineering design, construction documents, quality control and field engineering.

Experience record:

Gabriel Brothers Renovation, Clarksburg, WV
Goshen Baptist Church, Morgantown, WV
Mylan Upper Warehouse to Labs, Morgantown, WV
The Dayton, Morgantown, WV
The View at the Park Phase 2, Morgantown, WV

Courses and Continuing Education:

WVU Steel Design – Fall 2007
AISC Façade Attachments to Steel Frames, September 2007
ASCE Reinforced Masonry: Design and Construction, November 2007



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

West Virginia University Downtown Student Housing Morgantown, WV



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

Paradigm Architecture, Morgantown, WV
Allegheny Design Services, Morgantown, WV
TEDCO Construction, Carnegie, PA

PROJECT SCOPE:

A five story, 90,000 square foot new student housing building will accommodate 360 residents. The design includes apartments for Resident Hall Coordinators and Resident Facility Leaders, a multi-purpose room, laundry facility, administrative offices, and space for fellowship advising, and honors college administration.

PROJECT VALUE: \$17.65 Million

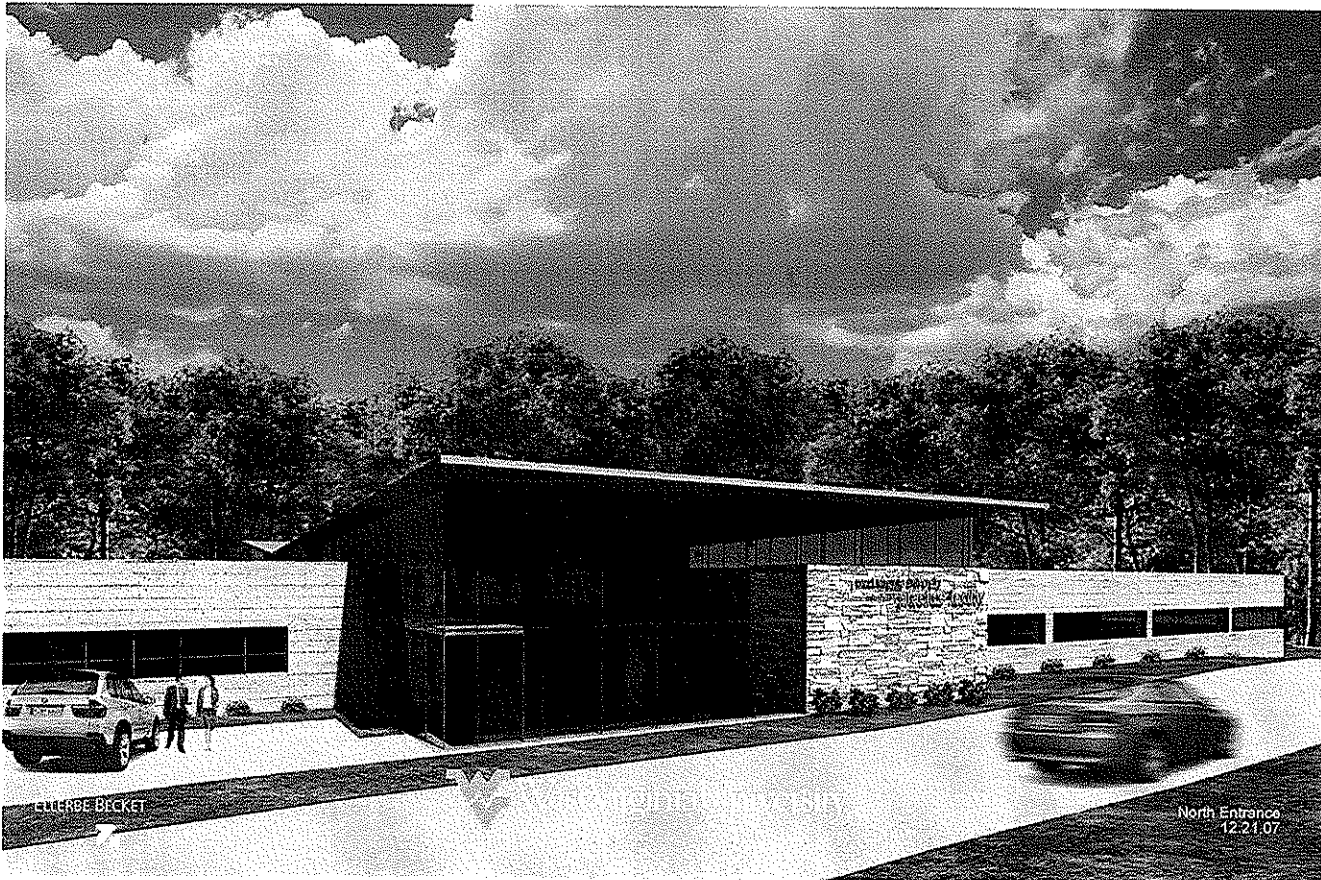
PROJECT COMPLETION: Summer 2009



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

West Virginia University Basketball Practice Facility Morgantown, WV



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

Ellerbe Becket, Inc., Kansas City, MO
Allegheny Design Services, Morgantown, WV
To Be Bid

PROJECT SCOPE:

- Men's & Women's Varsity Basketball Practice Facility
- Meeting & Training Rooms
- WVU Basketball Hall of Fame

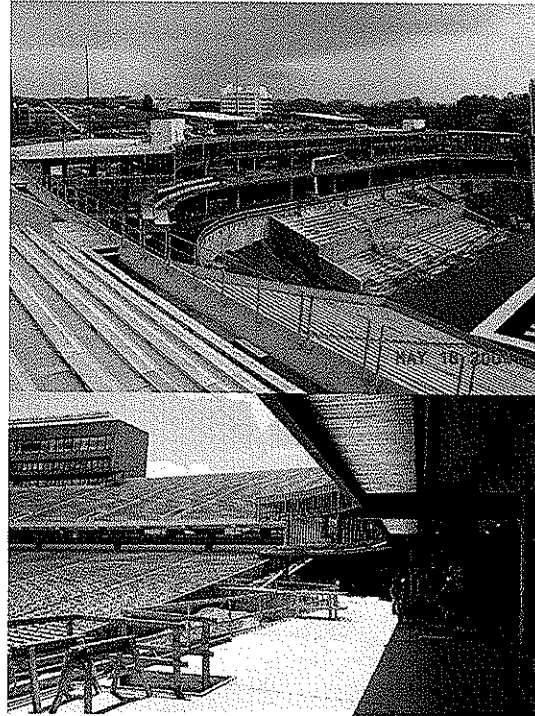
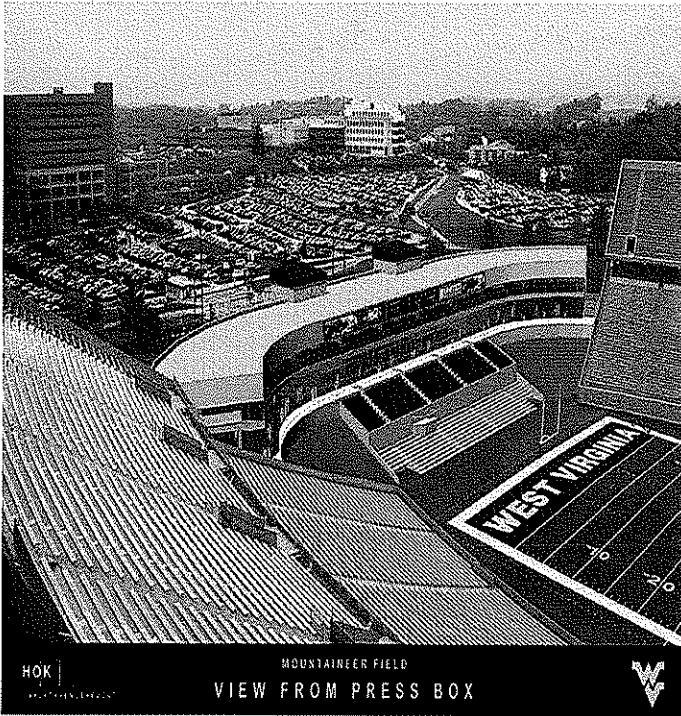
PROJECT VALUE: \$23 Million
PROJECT COMPLETION: 2009



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

West Virginia University Stadium North Expansion



PROJECT ARCHITECT: HOK, St. Louis, MO
STRUCTURAL ENGINEER: Allegheny Design Services, Morgantown, WV
CONTRACTOR: March-Westin Company, Inc., Morgantown, WV

PROJECT SCOPE:

The Project closes in the north end of the stadium. It will house a series of luxury suites on the upper level with general seating on the lower concourse. System consists of structural steel framing with caisson foundations. Project was done as design-build due to the aggressive schedule. All design and construction will occur between the end of the 2003 football season and the 2004 kickoff, approximately 9 months.

Allegheny Design Services received the 2005 Excellence in Construction Award from Associated Builders and Contractors, Inc., West Virginia Chapter, Structural Steel Under \$2 Million Category.

PROJECT VALUE: \$11 Million

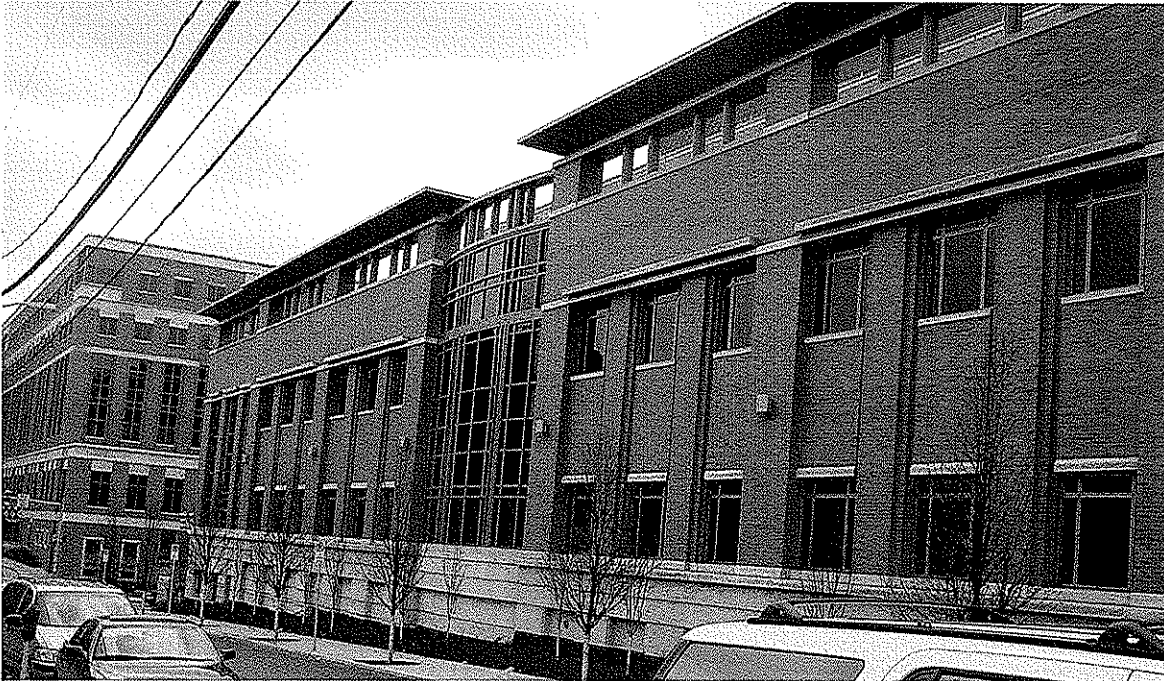
PROJECT COMPLETION: 2004 Fall (Kickoff)



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

Hillman Cancer Center University of Pittsburgh Medical Center Pittsburgh, PA



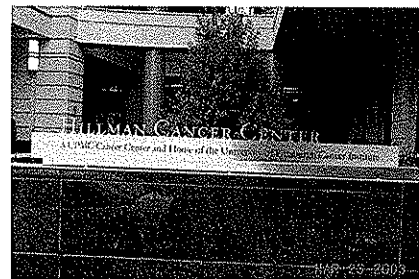
PROJECT ARCHITECT: IKM, Inc., Pittsburgh, PA
PROJECT ENGINEER: David Simpson of Allegheny Design Services, Morgantown, WV
in former employ of R.M. Gensert Associates
GENERAL CONTRACTOR: PJ Dick/Mascaro Corp., Pittsburgh, PA

PROJECT FEATURES:

- New Office/Laboratory Building
- New Cancer Research Building
- New Pedestrian Bridge
- Underground Parking Facility
- 70 Foot High Enclosed Atrium Between Buildings

PROJECT VALUE: \$100 Million

PROJECT COMPLETION: 2003





Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

Bridgeport Public Safety Substation Bridgeport, WV



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

WYK Associates, Inc., Clarksburg, WV
Allegheny Design Services, Morgantown, WV
City Window & Construction Company, Inc.

PROJECT SCOPE:

This substation will house the Bridgeport Fire and Police Departments directly off of Jerry Dove Drive. It is situated adjacent to the new United Hospital Center and the quickly growing business park development of White Oaks. The two story, 15,000 sq. ft. load bearing masonry building is the focal point of the entrance to Health Care Blvd. off of Jerry Dove Drive. The building features three apparatus bays capped with an asymmetrical bow arched roof.

PROJECT VALUE:

\$3.2 Million

ESTIMATED PROJECT COMPLETION:

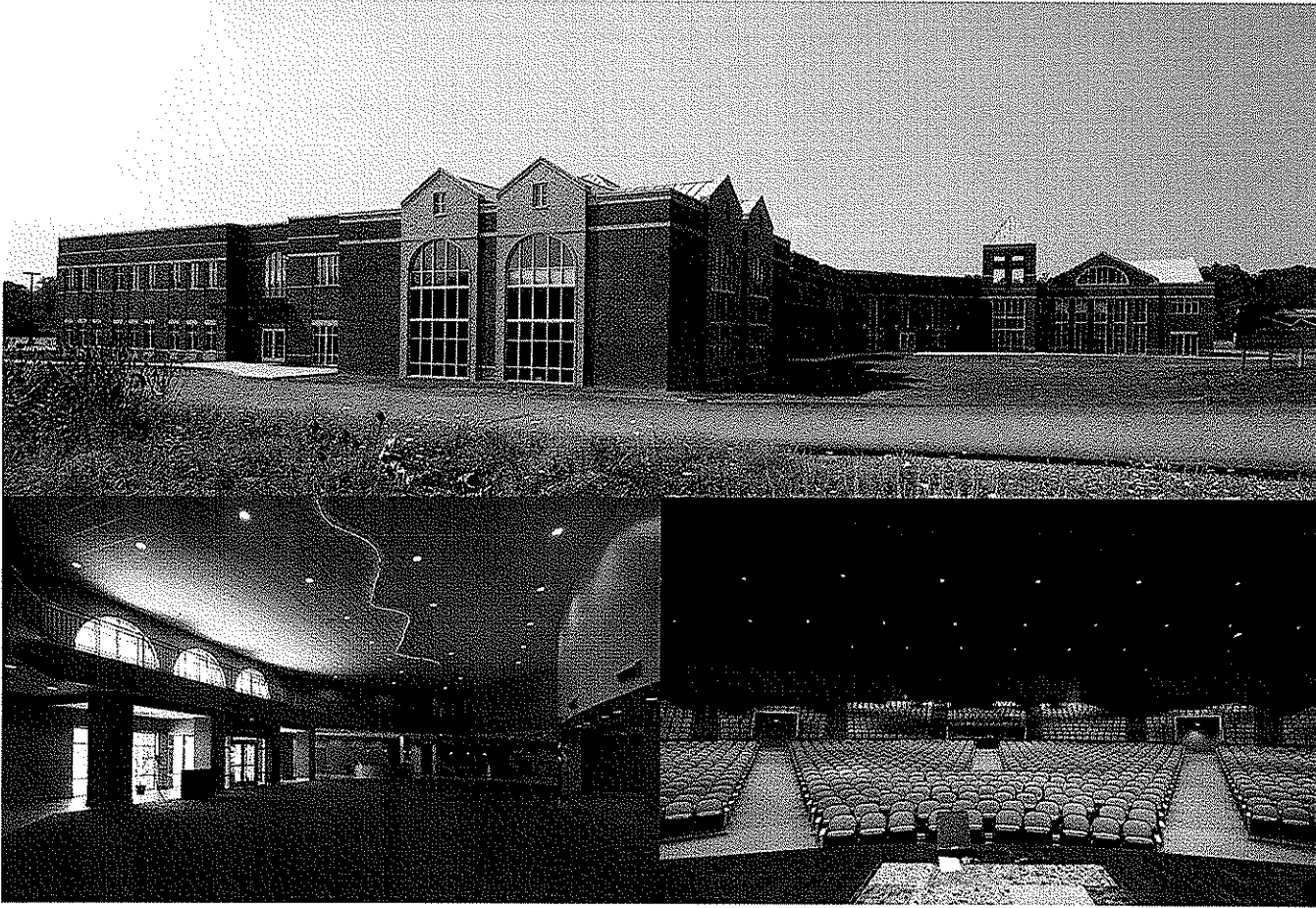
Fall 2009



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

Chestnut Ridge Community Church Morgantown, WV



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

Paradigm Architecture, Morgantown, WV
Allegheny Design Services, Morgantown, WV
March-Westin Company, Inc., Morgantown, WV

PROJECT SCOPE:

- Education/Gymnasium Wing
- Administrative Office Wing
- 2000 Seat Sanctuary

PROJECT VALUE: \$12 Million
PROJECT COMPLETION: 2006



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

Davis & Elkins College Athletic Center Elkins, WV



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

Paradigm Architecture, Morgantown, WV
Allegheny Design Services, Morgantown, WV
March-Westin Company, Inc., Morgantown, WV

PROJECT SCOPE:

- Gymnasium
- Offices
- Classrooms

PROJECT VALUE:

\$6 Million

PROJECT COMPLETION:

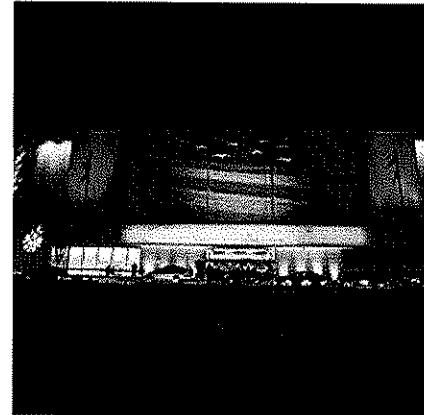
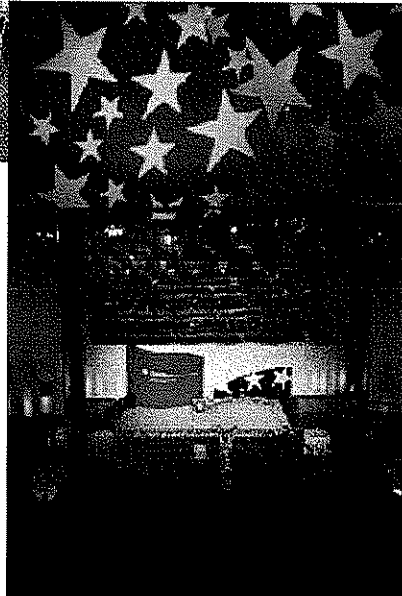
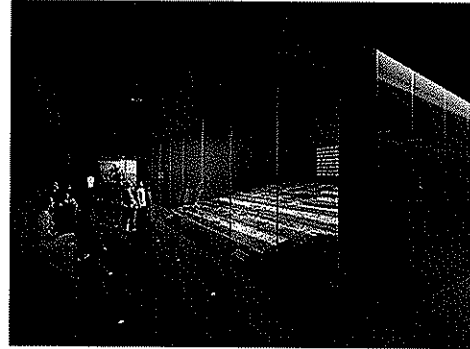
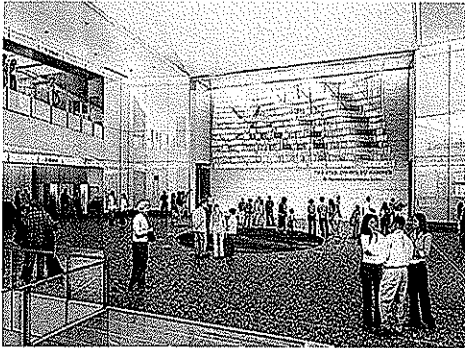
2006



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

Smithsonian National Museum of American History Washington, DC



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTORS:

Skidmore, Owings, Merrill LLP, Washington, DC
Allegheny Design Services, LLC, Morgantown, WV
Turner Construction Company, Washington, DC and
March-Westin Company, Inc., Morgantown, WV

PROJECT SCOPE:

- Structural Steel Connection Design
- Construction Phase Erection Consultant

PROJECT VALUE: \$100 Million

PROJECT COMPLETION: 2008

DARR & COLLINS, L.L.C.

Consulting Engineers

Company Overview

Darr & Collins, L.L.C. (D&C) was established in 1995 by Chuck Darr and David Collins. D&C provides professional consulting engineering services with a focus on mechanical and electrical design. D&C is a multi-discipline firm with specialized skills in energy conservation renovation projects, institutional and health care environmental systems.

D&C has completed over 1,200 projects with a total construction value in excess of \$1.2 billion. The firm's strength lies in the ability of its professional staff to understand and synthesize the needs of the clients. Design-Build processes and Client Partnering are the strengths of our design team.

Because the mechanical and electrical aspects of building design are critical in developing a building that truly "works", D&C utilizes state of the art computer systems to perform computer energy simulation analysis (CESA), load design, acoustic calculations, lighting footcandle analysis and iso-footcandle plots, electrical fault-current and short circuit analysis, and voltage drop calculations. This also allows the mechanical and electrical systems to enhance the buildings' function and ambiance, with a minimum of intrusion.

D&C is dedicated to the team concept. We feel our involvement from the very inception of the project helps provide the client with an efficient, high quality project. With the talents of its staff of registered engineers and designers, D&C creates an environment that is unobtrusive to the architectural ambiance, but very importantly, systems that enhance total productivity with trouble free, "People-Sensitive" designs.

Darr & Collins serves the following market areas:

Correctional Facilities: Federal Bureau of Prisons, Federal Corrections Institute facilities, Forrest City, Arkansas (\$86M), Pollock, Louisiana (\$90M). Over 20 private prison projects located from Colorado to New Hampshire, each sized at typically 1200 – 1500 beds.

Health Care: *Over 150 projects involving public and private facilities in states such as:* Oklahoma, Texas, Arkansas, Missouri, Utah, Kansas, Mississippi, Arizona, Alabama, Nebraska, New Mexico, and Colorado. Projects include design for medical clinics, dialysis centers, ambulatory surgery centers, assisted living centers, and research laboratories.

Hospitals: *Over 50 projects for such companies as:* Integris Healthcare, Baptist Hospital, Parkview Hospital, Luke Air Force Base Hospital, Sierra Vista Cancer Center, Presbyterian Hospital, Hillcrest Hospital, Mercy Hospital, and Veterans Administration Hospital.

Educational: *100 projects involving public school districts, colleges and universities.* Darr & Collins is the on-call consultant for the University of Central Oklahoma. Darr & Collins is the on-call consultant for the Francis Tuttle Vocational Technology school system. Additional clients include: University of Oklahoma (Law School Facility Renovation), Oklahoma Christian University of Science and Arts, Southwestern Oklahoma State University, Ida Freeman Gymnasium, Space Camp, Okeene Elementary, Oklahoma City Public School District, St. Gregory's Catholic University, Mid-Del School District, and Edmond Public Schools.

Governmental: projects for local, state and federal government including 30 projects as prime consultants for State of Oklahoma "On-Call" Services. Darr & Collins is the on-call consultant for the State of Oklahoma Department of Central Services. Other clients include: Tinker Air Force Base, Midwest City Army Reserve, Robins Air Force Base, Naval Training Facility, Luke Air Force Base, Sheppard Air Force Base, and Hill Air Force Base are also clients.

Telecommunications: Darr & Collins is the on-call consultant for AT&T communications in the Oklahoma and Arkansas areas. Darr & Collins is the on-call consultant for Dobson Communications.

Industrial: Darr & Collins is the on-call consultant for the Hobby Lobby Corporate Headquarters and Hobby Lobby North American Product Distribution Center.

Restaurants: Darr & Collins is the on-call consultant for the McDonald's restaurant regions of Oklahoma and Arkansas. Darr & Collins is the on-call consultant for the Braum's Restaurant and Ice Cream Companies.

CAPABILITIES

Darr & Collins, L.L.C. was formed in March 1995 to provide professional consulting engineering services. Both David and Chuck have brought to the company over 15 years experience in the engineering field. D&C has particular expertise in the renovation and upgrade of buildings for a broad range of markets including: commercial, industrial, health care, hospitals, educational, governmental, correctional, religious, restaurants, military, site lighting/security systems, banking, sports, research, and community centers.

Darr & Collins services include:

MECHANICAL

- HVAC
- Industrial Ventilation
- Plumbing / Drainage
- Piping
- Medical Gas Piping
- Fire Protection
- Shop Drawing Review

ELECTRICAL

- Power Distribution
- Lighting
- Emergency Power Systems
- Fire Alarm Systems
- Security Systems
- Communications Systems
- Fault Protection
- Electrical Power Filtration
- Instrumentation & Controls

MECHANICAL/ELECTRICAL

- Computer Networking
- Energy Conservation Studies
- Life Cycle Studies
- Automation Logic
- Process Utilitization

SPECIAL

- Systems Maintenance Programs
- CADD Applications
- Construction Contract Admin.
- Cost Estimates
- Feasibility Analysis

EXPERT WITNESS

- Equipment
- Building Condition

KEY PERSONNEL

CHUCK DARR, P.E. **LEED Accredited Professional**

Mr. Darr received his bachelors degree in mechanical engineering from Oklahoma State University in 1982. He became registered as a professional engineer in the State of Oklahoma in 1986. Mr. Darr's duties include full Engineering / Design Responsibilities on all projects. He has over 25 years experience in the design of new and renovation projects which include professional office buildings, school and university buildings, hospitals, medical clinics and ambulatory surgery centers, correctional facilities, restaurants, churches, research laboratories, radio and television buildings and cellular phone call centers.

EDUCATION

BSME, Oklahoma State University, 1982

PROFESSIONAL POSITIONS AND TITLES

1995 - Present	Darr & Collins, L.L.C., Managing Partner
1992 - 1995	Davenport-Darr, Inc., Vice-President
1982 - 1992	PSA Consulting Engineers , Principal

PROFESSIONAL REGISTRATION

LEED AP	2007
Oklahoma	1986
Texas	1987
Colorado	1987
Arizona	1989
National Certified Energy Manager	1989
NCEES	1995
Missouri	1995
New Mexico	1995
Alabama	1996
Arkansas	1998
Louisiana	1998
California	2000

PROFESSIONAL MEMBERSHIPS / POSITIONS / ACTIVITIES

Member ASHRAE, Past President of Central Oklahoma Chapter
Past Member Oklahoma City Plumbing Review Board and Appeals Committee
Member Construction Industry Board of Oklahoma
Member Consulting Engineers Council of Oklahoma, Past President, Board Member
Member Oklahoma City Mechanical Review Board and Appeals Committee

KEY PERSONNEL

DAVID M. COLLINS, P.E.

Mr. Collins received his bachelors degree in electrical engineering from the University of Oklahoma in 1988. He became registered as a professional engineer in the State of Oklahoma in 1994. Mr. Collins' duties include full Engineering / Design Responsibilities on all projects. He has extensive experience in the design of new and renovation projects which include professional office buildings, school and university buildings, hospitals, medical clinics and ambulatory surgery centers, correctional facilities, restaurants, churches, research laboratories, radio and television buildings, cellular phone call centers, site lighting and security systems.

EDUCATION

BSEE, University of Oklahoma, 1988

PROFESSIONAL POSITIONS AND TITLES

1995 - Present	Darr & Collins, L.L.C., Managing Partner
1993 - 1995	Davenport-Darr, Inc., Electrical Engineer
1988 - 1993	PSA Consulting Engineers

PROFESSIONAL REGISTRATION

Oklahoma	1994
New Mexico	1994
NCEES	1995
Arkansas	1995
Kansas	1995
Mississippi	1995
Illinois	1997
Texas	1997
Arizona	1997
Louisiana	1998
California	2000
Hawaii	2002

PROFESSIONAL MEMBERSHIPS / POSITIONS / ACTIVITIES

Past Member Illumination Engineering Society

PROFESSIONAL AWARDS

IESNA Central Oklahoma Illumination Design Award 2005

PROPOSED MANAGEMENT PLAN

TEAM ORGANIZATION

Chuck Darr, P.E., Mechanical Engineer
David Collins, P.E., Electrical Engineer
Jerry Utley, P.E., Mechanical Engineer
Daniel Beatty, Mechanical Engineer
Ezra Zoschke, Mechanical Engineer / CADD
Song Yu, Mechanical Design / CADD
Reggie Rector, Mechanical Design / CADD
Daren Hayes, Electrical Designer / CADD
Jim Fisher, Electrical Designer / CADD
Nick Whitchurch / Electrical Designer / CADD
Darrin Nasalroad / CADD Draftsman
Jennifer Bobert, Administrative
Michelle Flores, Administrative

LOCATION OF WORKING OFFICES

Darr & Collins, L.L.C.
1425 N.W. 150th Street
Edmond, Oklahoma 73013
Phone: (405) 285-2400
Fax: (405) 285-2444
E-Mail: email@darrcollins.com
Website : www.darrcollins.com

PROJECT CONTROL AND EXPERIENCE

COST

Techniques planned for estimating actual costs are to get actual bids from vendors and contractors. Copies of bids will be included in report.

Recent Projects: The three most recent projects of estimated versus bid cost data include:

Federal Bureau of Prisons, Medium Security Facility
Forrest City, Arkansas.
Estimate: \$90,000,000 Bid: \$86,500,000

Federal Bureau of Prisons, Medium Security Facility
Pollock, Louisiana
Estimate: \$92,000,000 Bid: \$90,000,000

Crossings Community Church, Oklahoma City, Oklahoma
Estimate: \$20,000,000 Bid: \$18,500,000

University Physicians Medical Building, Oklahoma City, Oklahoma
Estimate: \$25,000,000 Bid: \$22,500,000

The Project Manager will be responsible for all cost control.

VALUE ENGINEERING

Primarily work with the Owner during design to meet budgetary restraints prior to bidding phase of the project.

LIFE CYCLE COST ANALYSIS

Extensive experience with Federal Government's Life Cycle Cost in Design (LCCID) program while working on numerous Corps of Engineers projects.

Utilize the TRANE TRACE ECONOMIC PROGRAM for calculating life cycle cost on equipment and systems.

CRITICAL PATH METHOD

The nature of the majority of our work forces us to utilize a critical path method to meet design deadlines for private as well as government clients.

PROJECT CONTROL & EXPERIENCE (cont.)

FAST TRACK CONSTRUCTION

We have specialized in fast track construction over the past few years including Design Build projects and Medical Building projects. Some of these projects include:

FBOP Medium Security Prison - Forrest City, Arkansas
FBOP Medium Security Prison – Pollock, Louisiana
1400 Bed Correctional Facility – Kingman, AZ.
1500 Bed Correctional Facility - Greenwood, MS.
1000 Bed Correctional Facility - Huerfano County, CO.
1500 Bed Correctional Facility - Lawrenceville, VA.
1200 Bed Correctional Facility - Crowley County, CO.
1000 Bed Correctional Facility - McLoud, OK.
600 Bed Correctional Facility - Florence, VA.
Federal Prison Camp, Forrest City, AR.
Albuquerque Bureau of Indian Affairs
Albuquerque IRS Facility
Wichita IRS Facility
Tulsa District Corps of Engineers Facility
Sierra Vista Cancer Clinic
Yuma, AZ. Medical Clinic
Durant, OK. Medical Office Building
Cullman, AL. Medical Office Building
Sidney, NE. Hospital Renovation
Centerville, MS. Hospital Renovation

ENERGY CONSERVATION

Several projects for the Department of Central Services, United States Department of Agriculture, and the Oklahoma Gas and Electric Company.

SPECIALIZED EXPERIENCE

Specialized experience includes institutional, health care, research laboratories, churches, museums, banks, correctional facilities, educational facilities, site lighting / security systems, sports, governmental and community centers.

See attached list for Previous Project Experience.

Federal Correctional Institution – Medium

LOCATION

Forrest City, Ark.

OWNER

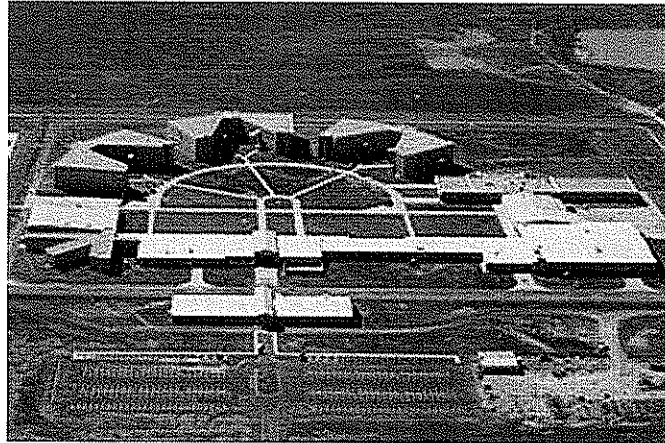
Federal Bureau of Prisons

ENGINEER

Darr & Collins, L.L.C.

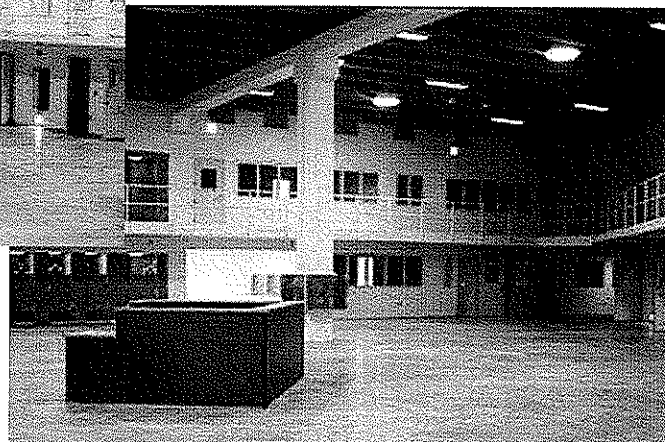
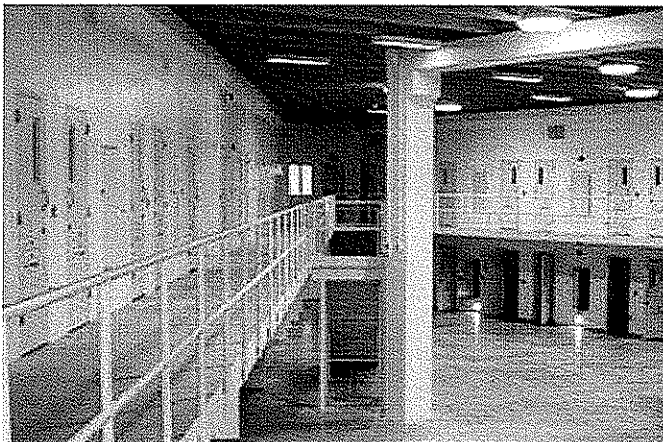
SERVICES PROVIDED

Design-Build MEP Consulting Engineering



PROJECT DATA

- This project is an addition to the existing campus which was completed as the first Design-Build project ever awarded by the Federal Bureau of Prisons (FBOP).
- This new, medium security federal prison has three, four-story general population housing units and a two-story special housing unit to accommodate all 1,152 inmates.
- The 44-acre site includes over 485,000 square feet of building space.
- This 485,000-square-foot building features an outside security administration building, ecumenical, health services and vocational training buildings, Unicor factory warehouse building, laundry and commissary building.
- A maintenance shop, food services and dining facility for staff and inmates, a recreation building and ball fields, and a 750,000-gallon water tower and central utility plant are also included.



Northfork Correctional Facility Addition

LOCATION

Sayre, Okla.

OWNER

Corrections Corporation of America

ENGINEER

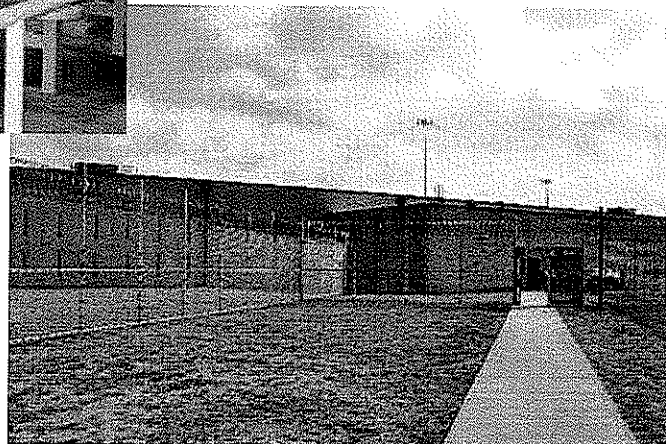
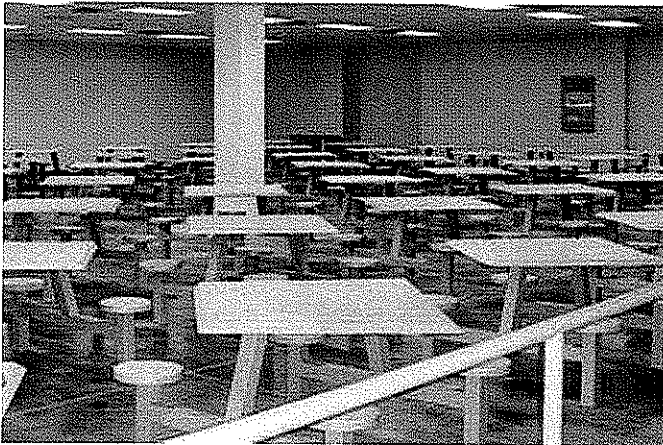
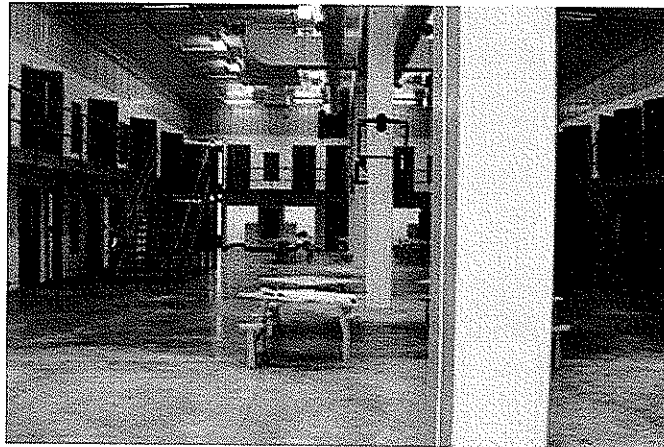
Darr & Collins, L.L.C.

SERVICES PROVIDED

MEP Consulting Engineering

PROJECT DATA

- This 286,900-square-foot project includes three new housing units, an all purpose building, new fencing and upgrade of the security systems.
- This 1,480 bed medium security prison is an expanded concept of similar facilities built in two other Oklahoma communities.
- The housing units are built in the "bowtie" configuration that has proved to be a highly efficient and flexible solution since the original facility was constructed.
- Before completion of this addition, it became evident that more space was needed so an additional two housing buildings were added to the original project.

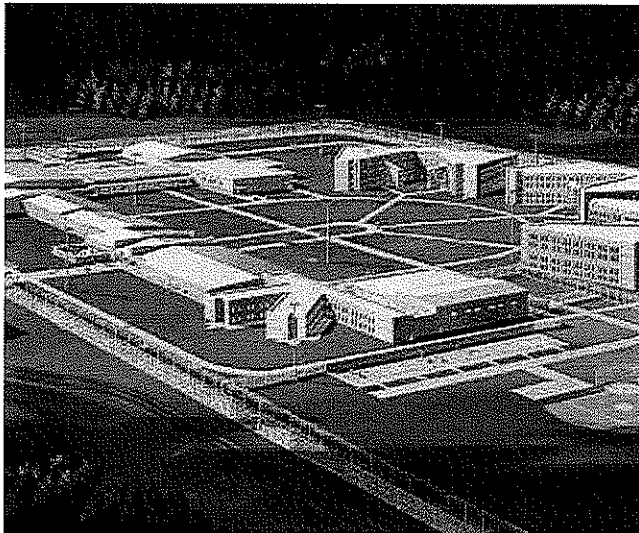


Pollock

POLLOCK, LOUISIANA

The Pollock Federal Correctional Institution consists of three general-population housing units, outside and inside administration buildings and a central utility plant. The outside building will house all administration functions, including master control. The inside building will house day-to-day functions including maintenance, Unicor factory, food service, VoTech, chapel, visitation staff services, health services, and recreational services.

The general-population buildings are arranged in a radius for easier access and better visibility. Each building has four levels and 256 cells for a total of 768 cells.



PREVIOUS PROJECT EXPERIENCE

CORRECTIONAL / LAW ENFORCEMENT FACILITIES

2000 Bed Detention Facility – Kingman, AZ.
FBOP Medium Security Prison, Forrest City, Arkansas
Federal Correctional Institute – Pollock, LA.
1400 Bed D.U.I. Facility - Kingman, AZ.
Cimarron Correctional Facility – Cushing, OK.
Davis Correctional Facility – Holdenville, OK.
NorthFork Correctional Facility – Sayre, OK.
Bricktown Police Station – OKC, OK.
Warr Acres Police Station - Bethany, OK.
Will Rogers Police Station - OKC, OK.
Federal Bureau of Investigation - Office Building – Albuquerque, NM.
Federal Bureau of Investigation - Office Building – Little Rock, AR.
Federal Bureau of Investigation - Office Building – Oklahoma City, OK.
Federal Bureau of Investigation - Office Building – San Antonio, TX.
U.S. Border Patrol - Cotulla, TX.
U.S. Border Patrol - Deming, NM.
Val Verde Detention Center - Del Rio, TX.
Lilley Correctional Facility - Boley, OK.
Grady County, OK. Jail
1500 Bed Correctional Facility - Greenwood, MS.
1000 Bed Correctional Facility - Huerfano County, CO.
1500 Bed Correctional Facility - Lawrenceville, VA.
1200 Bed Correctional Facility - Crowley County, CO.
1000 Bed Correctional Facility - McLoud, OK.
600 Bed Correctional Facility - Florence, VA.
Crabtree Correctional Facility - Helena, Oklahoma
Oklahoma Highway Patrol Building - Lawton, OK.
Caddo County, OK. Courthouse
Edmond, OK. Courthouse Renovation
Federal Courthouse - Del Rio, TX.

MILITARY/GOVERNMENT PROJECTS

Elevator Trainer / Airmen & Radiac Training Facility - Chicago, IL.
Robins Air Force Base Mission Simulator Facility
Naval Training Facility
ROTHR Maintenance Building
Tinker Air Force Base Building 3001
Tinker Air Force Base Thermal Storage Study
Tinker Air Force Base Building 3 HVAC Upgrade
Ft. Smith V.A. Cemetery
Midwest City, OK. Army Reserve Thermal Storage Study

EDUCATIONAL FACILITIES

Crossings Christian School – Oklahoma City, OK.
Oklahoma State University – Boone Pickens Stadium – Stillwater, OK.
University of Central Oklahoma – Eastside Concessions – Edmond, OK.
University of Central Oklahoma – Howell Hall Renovation – Edmond, OK.
University of Central Oklahoma – Chiller Project – Edmond, OK.
University of Central Oklahoma – Library Renovation – Edmond, OK.
University of Central Oklahoma – Wantland Stadium Renovations – Edmond, OK.
OU Health Sciences Center – Bursar Office Renovation – Oklahoma City, OK.
Coweta Elementary School – Coweta, OK.
Francis Tuttle Technology Center – Bruce Gray Center – Oklahoma City, OK.
Francis Tuttle Technology Center – Reno Campus – Oklahoma City, OK.
Francis Tuttle Technology Center – Main Campus Chiller – Oklahoma City, OK.
Francis Tuttle Technology Center – Cosmetology Remodel – Oklahoma City, OK.
Fisher Hall – Buildings “A” & “C” – Edmond, OK.
Ridgeview Elementary School – The Village, OK.
St. Mary’s Catholic School – Guthrie, OK.
Westminster School – Multi-Purpose Building – Oklahoma City, OK.
Ross University – Anatomy Lab – Dominica, West Indies
Ross University – Conference Center – Dominica, West Indies
University of Oklahoma - Law School & Library Renovation - Norman, OK.
Boulevard Academy - Fire Sprinkler Renovation - Edmond, OK.
AIG Building @ Oklahoma Christian University of Science & Arts - Edmond, OK.
University of Oklahoma - Faculty-In-Residence - Norman, OK.
Southwestern Oklahoma State University - Science Building - Weatherford, OK.
Oklahoma Christian University of Science & Arts - Garvey Liberal Arts Center
Martin Van Buren Elementary School - OKC, OK.
Edmond Memorial High School - Chiller Replacement Project
Edmond Memorial High School - Gymnasium - Edmond, OK.
Edmond Memorial High School - Wrestling Addition - Edmond, OK.
Oklahoma School for the Blind - Muskogee, OK.
East Central University, Knight Hall Fire Alarm - Ada, OK.
Metro Church, Classroom Addition - Edmond, OK.
Oklahoma Christian University of Science & Arts - Student Center - Edmond, OK.
Southwestern Oklahoma State University Business & Admin. Bldg. - Weatherford, OK.
Ida Freeman Gymnasium - Edmond, OK.
Mid-Del School Press Box - Del City, OK.
Space Camp - Titusville, Florida
Oklahoma City Public Schools Consulting
St. Gregory’s Catholic University - Shawnee, OK.

COMPUTER FACILITIES / CALL CENTERS:

Dobson Communications – Oklahoma
Dobson Communications – Ohio
Dobson Communications – Maryland

OFFICE BUILDINGS

OKC Community Foundation Office Building - OKC, OK.
FBI Office Building – Little Rock, AR.
FBI Office Building – Louisville, KY.
FBI Office Building – San Antonio, TX.
United Founders Tower Remodel – OKC, OK.
Gaillardia Office Building – OKC, OK.
Kelly Pointe Office Complex – Edmond, OK.
Dobson Communications Corporate Headquarters – OKC, OK.
Bank One Building - City of Edmond
Bricktown Police Station – OKC, OK.
Will Rogers Police Station Remodel – OKC, OK.
AIG Office Building - Edmond, OK.
Globe Life Office Buildings - OKC, OK.
Southwestern OK. State University - Business Building, Weatherford, OK.
Southwestern OK. State University - Administration Building, Weatherford, OK.
Bank of Oklahoma Office Building - OKC, OK.
Onyx Development Office Park - Overland Park, KS.
OK. Medical Research Foundation Office Building Remodel - OKC, OK.
Okland Oil Building Remodel - OKC, OK.
Southwestern OK. State University - Education Building, Weatherford, OK.
Medical Office Building - Durant, OK.
IRS Office Building - Albuquerque, NM.
Elkins Building - OKC, OK.
Robinson Renaissance Tenant Spaces - OKC, OK.
OK. Health Center Office Building No. 2 - OKC, OK.
Law Office Building - Hobart, OK.

HOUSING FACILITIES

Oklahoma Military Housing, State of Oklahoma On-Call Services
University of Oklahoma - Faculty-In-Residence - Norman, OK.
University of Oklahoma - Walker Tower / Adams Center HVAC Renovation
Trinity Place Project Housing
Epworth Villa Elderly Housing Apartments
Fort Sill, OK. Housing Project
Lakehurst Apartments
Oakridge Village Apartments
University of Oklahoma Theta House Renovation
Boulevard Academy - Fire Sprinkler Renovation - Edmond, OK.

RESEARCH FACILITIES

Oklahoma Health Center (OHC) Research Park Building #5 – OKC, OK.
Oklahoma Health Center (OHC) Research Park Building #4 - OKC, OK.
Oklahoma Health Center (OHC) Research Park Building #3 - OKC, OK.
Oklahoma Health Center (OHC) Research Park Building #2 - OKC, OK.
Oklahoma Health Center (OHC) Research Park Building #1 - OKC, OK.
Oklahoma Medical Research Foundation - OKC, OK.

HEALTH CARE FACILITIES

OU Physician's Building – Oklahoma City, OK.
St. Anthony's North Ambulatory Surgery Center – Oklahoma City, OK.
Hough Ear Institute – Oklahoma City, OK.
Walgreen's Home Healthcare Facility
Baptist Retirement Center - Hugo, OK.
Valley View MOB - Glenwood Springs, CO.
Christian Care Assisted Living Center - Chickasha, OK.
Kiowa County Health Department
JCMH Healthcare Corp. - Altus, OK.
Spivack Vision Clinic - Denver, CO.
Crystal Park Medical Center
Tealridge Manor Assisted Living Center
Ardmore Assisted Living Center
Osage Terrace Assisted Living Center
Mercy Ambulatory Surgery Center
Gambro Dialysis Center - Lexington, OK.
Gambro Dialysis Center - Enid, OK.
Gambro Dialysis Center - OKC, OK.
Huntsville, TX. Ambulatory Surgery Center
Carlsbad, NM. Ambulatory Surgery Center
DeSoto Medical Center - Olive Branch, MS.
Total Renal Care Center - Stillwater, OK.
Uintah Basin Medical Center - Roosevelt, UT.
Clarksville, TN. Medical Clinic
Drs. Lawrence & Hubbard Clinic - OKC, OK.
Aurora, MO. Medical Clinic
St. Anthony's North Ambulatory Surgery Center - OKC, OK.
Oklahoma City Clinic - Oklahoma City, OK.
Sheppard Air Force Base Dental Clinic - Wichita Falls, TX.
Dean A. McGee Eye Institute - OKC, OK.
Jim Taliaferro Mental Health Center - Lawton, OK.
Oklahoma Medical Research Foundation, 3rd Floor Renovation
Edmond, OK. Sports Medicine Clinic

SITE LIGHTING \ SIGNAGE \ SECURITY SYSTEMS

Unit Parts Warehouse - Site Lighting
Research Park Site Lighting, Oklahoma City Urban Renewal Authority
Will Rogers World Airport Apron Lighting - OKC, OK.
Bricktown Parking Lot Lighting
Target Store - Independence, KS.
Target Store - Shawnee Mission, KS.
Target Store - Olathe, KS.
Target Store - Overland Park, KS.
Bio-Medical Research Park Signs & Power
Oklahoma Health Center Research Park Building Lighting
Oklahoma Health Center Research Park Building Security System
Walgreen Lighting - Moore, OK.

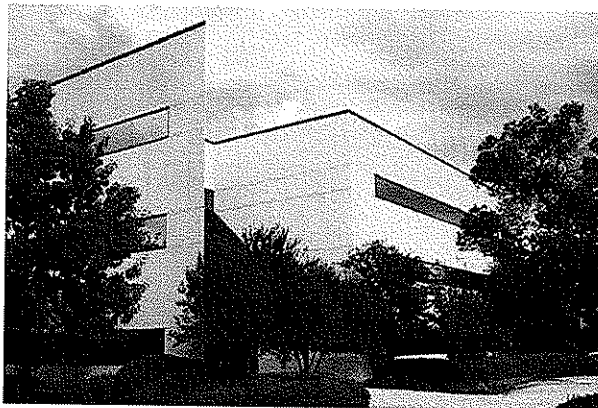


Buford Goff & Associates, Inc.

HISTORY

Buford Goff & Associates, Inc. (BGA) was founded in 1969 by H. Buford Goff, Jr. as a consulting engineering firm. Prior to establishing BGA, Mr. Goff held positions as a Member of the Technical Staff at Bell Telephone Laboratories and as Vice President of Marketing at Computer Labs, Inc.

Professional services were initially performed in high technology disciplines such as communications and electronic security systems. In the early 1970's, Mr. Goff expanded the firm's capabilities to support mechanical and electrical disciplines. This expansion provided a balance of traditional and high technology disciplines to support the complex engineering environments which are demanded on many projects such as detention, communication networks, and healthcare facilities.



CORPORATE OVERVIEW

Today, BGA has four unique, but interdependent engineering divisions. These divisions are mechanical, electrical, security, and communications. All divisions share common offices and administrative support at the Columbia, South Carolina headquarters. The company employs a staff of 42 which includes registered engineers, designers, and administrative personnel. The firm maintains professional registration in 36 states and is a member of the National Council of Engineering Examiners and the National Society of Professional Engineers.

In addition to its own employees, the company maintains professional relationships with specialists in the areas of structural engineering, soils engineering, and communications law. These relationships significantly enhance the firm's capability to provide total engineering services.

BGA has successfully incorporated a high level of advanced technology in systems design to provide the engineering solutions the client demands. Communications technologies are employed to provide responsive information transfer to support projects on a national and global basis.



Buford Goff & Associates, Inc.

MECHANICAL AND ELECTRICAL DIVISIONS

The mechanical and electrical divisions provide engineering services for a wide variety of projects which encompass healthcare, correctional, institutional, high-rise commercial buildings, and educational facilities. Over thirty percent of our projects are renovations. Additionally, these departments provide specialized services which include analytical engineering, studies, utility masterplans, and systems troubleshooting.

The mechanical division understands the importance of designing systems which meet our client's requirements. Each mechanical system design is performed within the client's budget and staffing constraints with primary emphasis on functionality, life-cycle costs, and maintainability. This is accomplished through a demonstrated understanding of variable flow, thermal storage, air quality, smoke control, building automation systems, and acoustical design.

The electrical division's experience includes the design of power systems, lighting systems, power generation systems, transient protection, UPS, power conditioning, and specialized electrical/electronic systems employing the latest technology available.

Design considerations are always predicated on the economic needs of the client - both first cost and operating and maintenance costs.

SECURITY DIVISION

Security engineering is performed on a national basis. The firm has provided professional services for correctional and detention facilities ranging in cost from \$2 million to \$250 million located throughout the United States. Project locations of correctional facilities include Arizona, California, Connecticut, Florida, Georgia, Hawaii, Kansas, Kentucky, Louisiana, Maryland, Massachusetts, Minnesota, Nevada, New York, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Virginia. Security electronics communications systems for more than 500 major facilities have been designed by BGA.

Mr. Goff and the security engineering staff are recognized on a national basis for their understanding of the unique requirements of correctional facilities, technical knowledge of systems, and the successful implementation of security systems for these facilities. BGA has served as a consultant to the National Institute of Corrections to prepare and present programs at the Training Center in Boulder, Colorado.

Through associations with nationally recognized architectural firms specializing in correctional and judicial facilities, BGA leads the profession in security systems engineering. Systems include perimeter security, alarm reporting and control, personal alarms, closed circuit television, video systems, public address and intercom, door locking control, card access, master antenna television, metal detectors, and control consoles.

Knowledge and experience in correctional and detention facility design enables BGA to provide a total security plan to enhance the security effectiveness of the facility while minimizing staffing requirements.



Buford Goff & Associates, Inc.

COMMUNICATIONS DIVISION



Communication Project Managers and Telecommunication Specialists at BGA plan, design, and manage the implementation of complex communication networks which include wireless systems, terrestrial microwave, fiber optic, and satellite systems. This division has been commissioned for engineering services on major communication systems in the United States. Over sixty complex communication networks for governmental, public, and private entities have been studied, designed, and implemented.

Computer-based planning programs developed by the staff assist engineers and system specialists in producing unique technical and economic data customized for each client's project. Programs developed include radio propagation, life-cycle cost analysis, system optimization, project scheduling, and project costing.

The magnitude and complexity of many large scale communication networks require that long-term professional relationships be established between the engineering firm and client. BGA takes pride in having established extended (five to ten years) professional relationships with communication clients.

SUMMARY

BGA offers a total systems approach to the client's needs. The corporate objective of BGA is to provide professional engineering services to the rapidly changing and technologically advancing business marketplace. BGA is staffed to support traditional and emerging engineering disciplines and is equipped with the technological resources to meet project challenges.

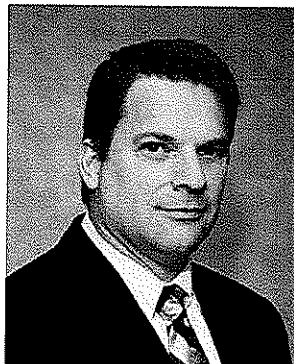


Buford Goff & Associates, Inc.

NAME: Keith E. Summer, P.E.

EDUCATION: Clemson University, 1983
BSEE

REGISTRATION: Registered Electrical Engineer in South Carolina, New Hampshire, Washington, Wisconsin, and Alaska.



PROFESSIONAL EXPERIENCE:

BUFORD GOFF & ASSOCIATES, INC.
1331 Elmwood Avenue
Columbia, South Carolina 29201

December 1994 to Present: Manager of the Security Electronics Department

January 1990 to December 1994: - Security Engineer and Project.

DUKE POWER COMPANY

Oconee Nuclear Station - Seneca, South Carolina

May 1983 to January 1990: Nuclear Production Engineer.

PROJECT ASSIGNMENTS WITH BUFORD GOFF & ASSOCIATES, INC.:

- Federal Correctional Institution – Manchester, Kentucky \$63M
- Federal Correctional Institution – Cumberland, Maryland \$58M
- Federal Correctional Institution – Butner, North Carolina \$62M
- Federal Correctional Institution – Yazoo City, Mississippi \$91M
- Federal Correctional Institution – Edgefield, South Carolina \$72M
- Federal Correctional Institution – Elkton, Ohio \$69M
- Federal Correctional Institution – Glenville, West Virginia \$85M
- Federal Correctional Institution – Petersburg, Virginia (SHU Renovation)
- Federal Correctional Institution – Herlong, California \$122M
- Federal Correctional Institution – Hazelton, West Virginia \$70M
- Federal Correctional Institution – Pollock, Louisiana \$91M
- Federal Correctional Institution II – Yazoo City, Mississippi \$113M
- Federal Correctional Institution II – Victorville, California \$97M
- Federal Medical Center – Devens, Massachusetts \$77M
- Federal Medical Center – Butner, North Carolina \$85M
- Federal Detention Center – Houston, Texas \$35M
- Federal Detention Center – Honolulu, Hawaii \$60M
- United States Penitentiary – Pollock, Louisiana \$95M
- United States Penitentiary – Atwater, California \$98M
- United States Penitentiary – Lee, Virginia \$92M



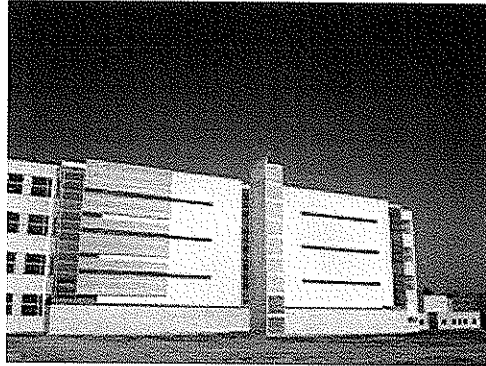
PROJECT ASSIGNMENTS WITH BUFORD GOFF & ASSOCIATES, INC.

: (Continued)

- United States Penitentiary – Victorville, California \$105M
- United States Penitentiary – Big Sandy, Kentucky \$139M
- United States Penitentiary – McCreary, Kentucky \$115M
- United States Penitentiary – Canaan, Pennsylvania \$115M
- United States Penitentiary – Hazelton, West Virginia \$129M
- United States Penitentiary – Tucson, Arizona \$113M
- United States Penitentiary – Marion, IL (Cellhouse Addition) \$22M
- FBOP Division 17 Design Guidelines & Model Documents
- Rikers Island GRVC Facility, 500 cell addition – New York, NY
- Maplehurst Correctional Facility – Ontario, Canada
- Women’s Community Correctional Center – Oahu, Hawaii
- Hawaii Youth Correctional Facility – Oahu, Hawaii \$12M
- Maui Community Correctional Center – Maui, Hawaii
- Hawaii Community Correctional Center – Hilo, Hawaii
- Rikers Island Master Plan – New York, New York
- New York City Transit Authority Rail Control Center – New York, NY
- New Jersey Perimeter System Upgrades – State of New Jersey
- Curran-Fromhold Correctional Facility – Philadelphia, Pennsylvania \$97M
- Pennsylvania DOC Prototype Facilities – State of Pennsylvania (Design-Build)
- Arlington County Detention Facility – Arlington, Virginia \$42M
- Clifton T. Perkins Hospital Center, Phase I & II – Baltimore, MD \$20M
- Caddo Parish Jail – Shreveport, Louisiana
- Ohio Department of Youth Services Secure Facility – Marion, Ohio \$32M
- Connecticut Juvenile Training School – Middletown, Connecticut \$35M
- NC DOC Regional Medical Center – Raleigh, North Carolina \$57M
- NC DOC Central Prison, Mental Health Facilities – Raleigh, NC
- NC DOC Central Prison, Security System Upgrades – Raleigh, NC
- El Dorado Correctional Facility – El Dorado, Kansas
(Housing Addition & SMS Upgrade) \$15M
- LAC/USC Medical Center – Los Angeles, California
(\$500M hospital with detention component)
- MCF Stillwater Perimeter Systems Upgrades – Stillwater, MN \$1.2M
- SC Dept. of Juvenile Justice CCTV System – Columbia, SC \$1.1M
- Gwinnett County Detention Facility Expansion – Gwinnett, GA \$59M
- LAPD Metro Jail – Los Angeles, CA \$75M
- LAPD Emergency Operations Center – Los Angeles, CA \$62M
- Wyandotte Jail Security Electronics Upgrades – Kansas City, KS \$2M
- Columbia Airport Parking Structure Security – Columbia, SC \$1M
- Palm Beach County West Facility Expansion – Belle Glade, FL \$132M
- Maui Regional Public Safety Complex – Puunene, HI \$163M

RELEVANT PROJECTS (ST MARY'S CORRECTIONAL CENTER)

- **Gwinnett County Detention Facility Addition, Gwinnett County, Georgia.** This design-build, GMP project included a 756 cell/1500 bed nine story addition and renovation of the original facility. Also included was complete upgrade of the Central Control systems and consoles. The total project construction cost was \$59M and the estimated security electronics cost was \$5.0M.



- **City of Los Angeles Metro Detention Center.** This is a 512 bed detention facility with five levels including a basement for a total of 160,000 SF. The facility includes intake and booking, an enclosed vehicle sallyport, and an extensive evidence and property storage area. Buford Goff & Associates, Inc. provided engineering services for the design of security electronics systems including CCTV, door control and monitoring, access control, touchscreens, intercom, digital video recording, watchtour, wireless duress, MATV with audio distribution to the cells, and video visitation. The estimated electronic security systems cost is \$3.2M. The total project cost is \$74M.





Buford Goff & Associates, Inc.

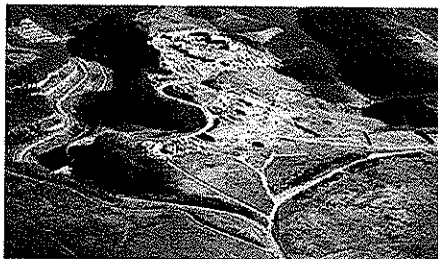
- **Federal Bureau of Prisons Design-Build Projects.** Buford Goff and Associates, Inc. has performed the Division 17 Security Electronics, Communications, and Fire Alarm Systems design for numerous Federal Correctional Institutions (FCI's) and United States Penitentiaries (USP's) under the FBOP's design-build program. Included within the engineering responsibilities are fire alarm, perimeter security, closed circuit television, telephone, door control and monitoring, paging, intercom, inmate duress alarms, telephone system, structured data cabling systems, control panels, consoles, and fiber optic cable distribution systems. These systems are integrated into a functional security management and control system. All FCI's have a rated capacity of 1152 inmates plus special housing capacity. All USP's have a rated capacity of 960 inmates plus Special Housing Unit capacity. Some of the institutions also have a Federal Prison Camp with a capacity of 128 inmates. The following is BGA's experience list of the FBOP design-build facilities:

- FCI & FPC – Berlin, New Hampshire (\$125M)
- FCI & FPC – Mendota, California (\$115M)
- FCI & FPC– Glenville, West Virginia (\$85M)
- FCI & FPC – Herlong, California (\$122M)
- FCI – Pollock, Louisiana (\$91M)
- USP & FPC – Canaan, Pennsylvania (\$115M)
- USP & FPC – Hazelton, West Virginia (\$129M)
- USP & FPC – Tucson, Arizona (\$113M)
- FCI II – Victorville, California (\$97M, includes complex administration building)
- FCI II – Yazoo City, Mississippi (\$91M)

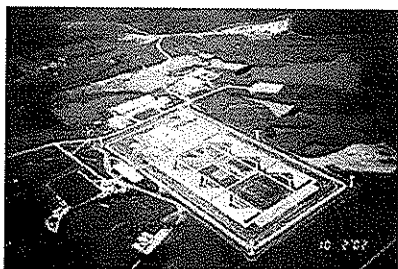
RELEVANT PROJECTS (ST. MARY'S CORRECTIONAL CENTER)



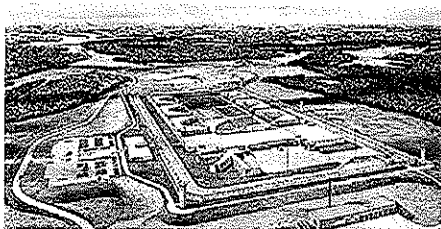
- USP – Victorville, California (\$105M)



- USP & FPC – Big Sandy, Kentucky (\$139M)



- USP & FPC – McCreary, Kentucky (\$115M)



- FCI – Hazelton, West Virginia (Women's Facility) (\$70M)