

# EXPRESSION OF INTEREST

## RFQ #RJCMNT001

9 December 2008

# VARIOUS PROJECTS for WEST VIRGINIA REGIONAL JAIL AUTHORITY



**Introduction**

**Firm Profiles**

**Resumes**

**Projects**

**References**

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300 Summers Street, Suite 1200, Charleston, West Virginia 25301-1630  
Phone: 304/342-2151 Fax: 304/342-2197 Email: [jharris@bastianandharris.com](mailto:jharris@bastianandharris.com)



9 December 2008

Regional Jail and Correctional Authority  
1325 Virginia Street, East  
Charleston, WV 25301

RE: Expression of Interest  
for Various Regional Jail System Projects

RECEIVED

08 DEC -8 PM 4:37

SURVEILLANCE DIVISION  
STATE OF WV

Dear A & E Selection Committee:

Bastian & Harris, Architects is pleased to submit to you our expression of interest for the architectural and engineering services for the necessary project upgrades on various Regional Jail Authority projects. We have provided similar services over the years for Marshall University, Fairmont State College, and Kanawha County Schools. These projects have included re-roofing over various substrates and construction types. Some have involved hazardous material abatement as well as structural damage remediation. This includes re-roofing Corbly Hall, Holderby Hall, Memorial Student Center, and Buskirk Hall at Marshall University; and Feaster Center, Pence Hall and Science Building at Fairmont State College. Projects have also included significant window replacements and exterior restorations for Kanawha County Schools at Horace Mann Middle, Stonewall Jackson Middle, Bridgeview Elementary, and Clendenin Elementary.

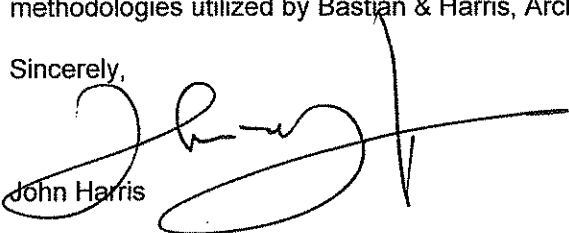
Our familiarity with construction methods and a desire to fully document existing conditions has lead to concise bidding documents, on budget with minimal change orders. Services have included surveys of existing conditions and establishing accurate cost estimates for scope of work required. This documentation has allowed Owners to prioritize their maintenance budget and establish an effective plan of attack for implementing necessary corrections. We have established a team of mechanical and structural engineering consultants to assist when work dictates additional disciplines are required.

For mechanical and electrical work, we have chosen to include Scheeser Buckley Mayfield from Uniontown, Ohio. Major mechanical upgrades were a part of the recent work at Stonewall Jackson Middle School. At Marshall University, SBM is the preferred MEP consultant for dealing with existing building upgrades as well as new construction. Their reputation for a thorough analysis of existing systems as well as complete documentation leads to concise bidding and minimal change orders.

When structural issues are detected, we call on Greg Sliger at Steven Schaefer Associates to analyze existing systems and make recommendation for necessary remedial work. Over the years, Greg's experience has led to economical approaches to tricky structural issues. Likewise, their ability to provide complete documentation and detailing has resulted in competitive bidding with minimal change orders.

While we recognize that this represents non-glamorous design opportunities, we understand these types of projects are essential in solving clients' needs. It is a willingness to "get dirty" surveying existing conditions and assisting in extending the life of existing facilities that can be a significant service to an Owner. We would look forward to meeting with you in discussing our credentials as well as the methodologies utilized by Bastian & Harris, Architects to make these types of projects equally successful.

Sincerely,

  
John Harris

300 Summers Street Suite 1200 Charleston, WV 25301-1630 304/342-2151 • (Fax) 304/342-2197

Douglas M. Bastian, AIA, NCARB John M. Harris, AIA, NCARB



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  
**RJCMNT001**

PAGE  
**1**

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

RFQ COPY  
 TYPE NAME/ADDRESS HERE

Bastian & Harris, Architects, PLLC  
 300 Summers Street, Suite 1200  
 Charleston, WV 25301-1630

REG'L JAIL & CORR'L AUTH'Y

1325 VIRGINIA STREET EAST  
 CHARLESTON, WV  
 25301 304-558-2110

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
11/17/2008				

BID OPENING DATE: **12/09/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL  CONTRACT TO PROVIDE ARCHITECT AND ENGINEERING SERVICES TO THE WEST VIRGINIA REGIONAL JAIL AUTHORITY FOR VARIOUS PROJECTS WITHIN THE REGIONAL JAIL SYSTEM, PER THE SPECIFICATIONS.  NOTICE A SIGNED BID MUST BE SUBMITTED TO:  DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130  THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:  SEALED BID  BUYER: JOHN ABBOTT RFQ. NO.: RJCMNT001						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	304/342-2151	9 December 2008
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
Principal	55-076-5885	

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

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

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

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**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



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  
**RJCMNT001**

PAGE  
**2**

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

**RFQ COPY**  
**TYPE NAME/ADDRESS HERE**

Bastian & Harris, Architects, PLLC  
 300 Summers Street, Suite 1200  
 Charleston, WV 25301-1630

**REG'L JAIL & CORR'L AUTH'Y**

**1325 VIRGINIA STREET EAST**  
**CHARLESTON, WV**  
**25301 304-558-2110**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **12/09/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE:				12/09/2008	-----	
BID OPENING TIME:				1:30 PM	-----	
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
				304/342-2197	-----	
CONTACT PERSON (PLEASE PRINT CLEARLY):						
				John M. Harris	-----	
***** THIS IS THE END OF RFQ RJCMNT001 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

TITLE	TELEPHONE	DATE
Principal	304/342-2151	9 December 2008
FAX	ADDRESS CHANGES TO BE NOTED ABOVE	
55-076-5885		

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



1.5 **Vendor Registration:**

Firms participating in this process should complete and file a *Vendor Registration and Disclosure Statement* (Form WV-1) and remit the registration fee. Firm is not required to be a registered vendor in order to submit an EOI, but the **successful firm must register and pay the fee prior to the issuance of an actual contract.**

1.6 **Oral Statements and Commitments:**

Firm must clearly understand that any verbal representations made or assumed to be made during any oral discussions held between firm's representatives and any State personnel are **not** binding. Only the information issued in writing and added to the Expression of Interest specifications file by an official written addendum is binding.

1.7 **Economy of Preparation:**

EOI's should be prepared simply and economically, providing a straightforward, concise description of firm's abilities to satisfy the requirements of the EOI. Emphasis should be placed on completeness and clarity of content.

1.8 **Labeling of the Sections:**

The response sections should be labeled for ease of evaluation.

1.9 **Submission:**

1.9.1 State law requires that the original expression shall be submitted to the Purchasing Division. All copies to the Purchasing Division must be submitted **prior** to the date and time stipulated as the opening date. All expressions will be date and time stamped on the Purchasing Division official time clock to verify time and date of receipt.

1.9.2 Firms mailing expressions should allow sufficient time for mail delivery to ensure timely arrival. The Purchasing Division **CANNOT** waive or excuse late receipt of an expression which is delayed and late for any reason according West Virginia State Code §5A-3-11. Any EOI received after the bid opening time and date will be immediately disqualified in accordance with State law and the Legislative Rule 148-CSR-1.

**Submit:**

**One original plus (5) convenience copies to:**

(3-Ring binders preferred due to copying and scanning purposes)

**Purchasing Division**

2019 Washington Street, East

P.O. Box 50130

Charleston, WV 25305-0130

**The outside of the envelope or package(s) should be clearly marked:**

**Buyer: #32 - John Abbott**

**Req#: RJCMNT001**

**Opening Date: 12/09/2008**

**Opening Time: 1:30 p.m.**

**1.10 Rejection of Expressions:**

The State shall select the best value solution according to §5G-1-3 of the West Virginia State Code. However, the State reserves the right to accept or reject any or all expressions and to reserve the right to withdraw this Expression of Interest at any time and for any reason. Submission of, or receipt by the State of Expressions confers no rights upon the firm nor obligates the State in any manner.

**1.11 Incurring Costs:**

The State and any of its employees or officers shall not be held liable for any expenses incurred by any firm responding to this EOI for expenses to prepare, deliver, or to attend the short-list interviews.

**1.12 Addenda:**

If it becomes necessary to revise any part of this EOI, an official written addendum will be issued by the State to all potential firms of record.

**1.13 Independent Price Determination:**

A contract will not be considered for award if the negotiated price was not arrived at independently without collusion, consultation, communication, or agreement as to any matter relating to prices with any competitor.

**1.14 Price Quotations:** No "price" or "fee" quotation is requested or permitted in the response.



**1.15 Public Record:****1.15.1 Submissions are Public Record.**

All documents submitted to the State Purchasing Division related to purchase orders/contracts are considered public records. All EOI's submitted by firms shall become public information and are available for inspection during normal official business hours in the Purchasing Division Records and Distribution center after the expressions have been opened.

**1.15.2 Written Release of Information.**

All public information may be released with or without a Freedom of Information request, however, only a written request will be acted upon with duplication fees paid in advance. Duplication fees shall apply to all requests for copies of any document. Currently the fees are \$0.50/page, or a minimum of \$10.00 per request, whichever is greater.

**1.15.3 Risk of Disclosure.**

The only exemptions to disclosure of information are listed in West Virginia Code §29B-1-4. Primarily, only trade secrets as submitted by a firm are the only exemption to public disclosure. The submission of any information to the State by a firm puts the risk of disclosure on the firm. The submission of any information to the State by a vendor puts the risk of disclosure on the vendor. The State does not guarantee non-disclosure of any information to the public.

**1.16 Schedule of Events:**

Release of the EOI:	11/18 /2008
Expressions of Interest Opening Date:	12/09/2008

**1.17 Mandatory Pre-bid Conference: N/A****1.18 Bond Requirements: N/A****1.19 Purchasing Affidavit:**

West Virginia State Code §5A-3-10a (3) (d) requires that all firms submit an Affidavit regarding any debt owed to the State and licensing and confidentiality certifications. The Affidavit **must** be signed and submitted prior to award. It is preferred that the Affidavit be submitted with the EOI.

## PART 2 OPERATING ENVIRONMENT

### 2.1 Location:

The Central Regional Jail is located approximately one mile from the Flatwoods exit of Interstate 79. The physical address of the facility is; 300 Days Drive, Sutton, West Virginia; The South Central Regional Jail is located on US 119 (Corridor G) about one half mile behind the Southridge Shopping Center at 1001 Centre Way, Charleston, West Virginia; The Southern Regional Jail is located just off the Airport Road exit of I 64, about 5 miles east of Beckley, West Virginia.

### 2.2 Background:

The replacement of the Roofs, HVAC and Air Handler Units are made necessary by the age of the facilities. The Central Regional Jail completed in 1993, is 99,045 sq. ft in size; the South Central Regional Jail completed in 1993 and the Southern Regional Jail completed in 1994, are 132,587 sq. ft. in size. The facilities are designed in a popular manner. Each housing unit, or "pod", of the jail is divided into eight separate sections of eight or sixteen beds to accommodate the inmate population. Each section has a day room and each pod includes two secure outdoor recreation areas. The facility also has a gym and administration area.

## PART 3 PROCUREMENT SPECIFICATIONS

### 3.1 General Requirements:

#### Proposal Elements:

Each firm submitting an *Expression of Interest* should include information which addresses the following elements:

- A. A statement of the firm's experience in any and all aspects of a project of this nature. Include all in-house capabilities; Consultants to be utilized; etc.
- B. A statement of the firms understanding of all federal and state regulations regarding renovations to state owned buildings;
- C. A statement of the size, nature, and status of other major projects for which the firm has worked;
- D. A brief narrative which indicates the level of understanding of the operational, security, and functional requirements of correctional facilities or similar institutions;

- E. A statement indicating the firm's understanding of the work environment associated with an operational correctional facility;
- F. A statement of the firm's plan of approach and a timeline for this project;
- G. The name, address, and telephone number of at least three (3) references which may be contacted by the West Virginia Regional Jail Authority concerning the firm's work;
- H. A statement that explains any litigation or arbitration proceedings related to the firm's/individual's performance of a contract for site representative services;
- I. A statement of whether the firm is barred from bidding or proposing governmental contracts for the federal government or any state;
- J. A statement as to whether any procurement laws in the State of West Virginia would affect the potential award of a contract to the firm/individual for this project;

### 3.2 **Project Description:**

The A/E firm selected for this project will be qualified to provide the design and development of construction documents for the replacement of the existing membrane roofs, HVAC and Air Handler Units at the above referenced Regional Jail facilities to ensure the systematic process remains functional with existing systems according to the design intent and Owner's operational needs.

### 3.3 **Special Terms and Conditions:**

3.3.1 *Bid and Performance Bonds:* N/A

3.3.2 *Insurance Requirements:* \$1,000,000 Professional Liability  
Workers Compensation Certificate upon award

### 3.4 **General Terms and Conditions:**

By signing and submitting the EOI, the successful firm agrees to be bound by all the terms contained in Section Three (3) of this EOI.

#### 3.4.1 *Conflict of Interest:*

Firm affirms that it, its officers or members or employees presently have no interest and shall not acquire any interest, direct or indirect which would conflict or compromise in any manner or degree with the performance or its services hereunder. The firm further covenants that in the performance of the contract, the firm shall periodically inquire of its officers, members and

employees concerning such interests. Any such interests discovered shall be promptly presented in detail to the Agency.

**3.4.2 *Prohibition Against Gratuities:***

Firm warrants that it has not employed any company or person other than a bona fide employee working solely for the firm or a company regularly employed as its marketing agent to solicit or secure the contract and that it has not paid or agreed to pay any company or person any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award of the contract. For breach or violation of this warranty, the State shall have the right to annul this contract without liability at its discretion, and/or to pursue any other remedies available under this contract or by law.

**3.4.3 *Certifications Related to Lobbying:***

Firm certifies that no federal appropriated funds have been paid or will be paid, by or on behalf of the company or an employee thereof, to any person for purposes of influencing or attempting to influence an officer or employee of any Federal entity, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement.

If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the firm shall complete and submit a disclosure form to report the lobbying.

Firm agrees that this language of certification shall be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this contract was made and entered into.

#### **3.4.4 Vendor Relationship:**

The relationship of the firm to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by the parties to this contract. The firm as an independent contractor is solely liable for the acts and omissions of its employees and agents.

Firm shall be responsible for selecting, supervising and compensating all individuals employed pursuant to the terms of this EOI and resulting contract. Neither the firm nor any employees or contractors of the firm shall be deemed to be employees of the State for any purposes whatsoever.

The Firm shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension or other deferred compensation plans, including but not limited to Workers' Compensation and Social Security obligations, and licensing fees, etc. and the filing of all necessary documents, forms and returns pertinent to all of the foregoing.

The Firm shall hold harmless the State, and shall provide the State and Agency with a defense against all claims including but not limited to the foregoing payments, withholdings, contributions, taxes, social security taxes and employer income tax returns.

The firm shall not assign, convey, transfer or delegate any of its responsibilities and obligations under this contract to any person, corporation, partnership, association or entity without expressed written consent of the Agency.

#### **3.4.5 Indemnification:**

The firm agrees to indemnify, defend and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person or firm performing or supplying services, materials or supplies in connection with the performance of the contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the firm, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use or disposition of any data used under the contract in a manner not authorized by the contract, or by Federal or State statutes or regulations; (3) Any failure of the firm, its officers, employees or

subcontractors to observe State and Federal laws, including but not limited to labor and wage laws.

**3.4.6 *Contract Provisions:***

After the most qualified firm is identified, and fee negotiations are concluded, a formal contract document will be executed between the State and the firm. The order of precedence is the contract, the EOI and the firm's response to the EOI.

**3.4.7 *Governing Law:***

This contract shall be governed by the laws of the State of West Virginia. The firm further agrees to comply with the Civil Rights Act of 1964 and all other applicable laws (Federal, State or Local Government) regulations.

**3.4.8 *Compliance with Laws and Regulations:***

The firm shall procure all necessary permits and licenses to comply with all applicable laws, Federal, State or municipal, along with all regulations, and ordinances of any regulating body.

The firm shall pay any applicable sales, use, or personal property taxes arising out of this contract and the transactions contemplated thereby. Any other taxes levied upon this contract, the transaction, or the equipment, or services delivered pursuant here to shall be borne by the contractor. It is clearly understood that the State of West Virginia is exempt from any taxes regarding performance of the scope of work of this contract.

**3.4.9 *Subcontracts/Joint Ventures:***

The State will consider the firm to be the sole point of contact with regard to all contractual matters. The firm may, with the prior written consent of the State, enter into written subcontracts for performance of work under this contract; however, the firm is totally responsible for payment of all subcontractors.

**3.4.10 *Term of Contract:***

This contract will be effective (date set upon award) and shall extend until the scope of work is complete or for one (1) consecutive twelve (12) month period. The contract may be renewed upon mutual consent for two (2) consecutive years one (1) year periods or until such reasonable time as may be necessary to obtain a new contract or to complete work.

**3.4.11 *Non-Appropriation of Funds:***

If the Agency is not allotted funds in any succeeding fiscal year for the continued use of the service covered by this contract by the West Virginia Legislature, the Agency may terminate the contract at the end of the affected current fiscal period without further charge or penalty. The Agency shall give the firm written notice of such non-allocation of funds as soon as possible after the Agency receives notice. No penalty shall accrue to the Agency in the event this provision is exercised.

**3.4.12 Contract Termination:**

The State may terminate any contract resulting from this EOI immediately at any time the firm fails to carry out its responsibilities or to make substantial progress under the terms of this EOI and resulting contract. The State shall provide the firm with advance notice of performance conditions, which are endangering the contract's continuation. If after such notice the firm fails to remedy the conditions contained in the notice, within the time contained in the notice, the State shall issue the firm an order to cease and desist all work immediately.

The State shall be obligated only for services rendered and accepted prior to the date of the notice of termination. The contract may also be terminated upon mutual agreement of the parties with thirty (30) days prior notice.

**3.4.13 Changes:**

If changes to the original contract become necessary, a formal contract change order will be required. Prior to any work being performed, the change must be negotiated and approved by the State, the Agency and the firm. An approved contract change order is defined as one approved by the Purchasing Division and approved as to form by the West Virginia Attorney General's Office prior to the effective date of such amendment. **NO CHANGE SHALL BE IMPLEMENTED BY THE FIRM UNTIL THE FIRM RECEIVES AN APPROVED WRITTEN CHANGE ORDER.**

**3.4.14 Invoices, Progress Payments, & Retainage:**

The Firm shall submit invoices, in arrears, to the Agency at the address on the face of the purchase order labeled "Invoice To" pursuant to the terms of the contract. Progress payments may be made at the option of the Agency based on percentage of work completed if so defined in the final contract. Any provision for progress payments must also include language for a minimum 10% retainage until the final deliverable is accepted.

If progress payments are permitted, firm is required to identify points in the

work plan at which compensation would be appropriate. Progress reports must be submitted to Agency with the invoice detailing progress completed or any deliverables identified. Payment will be made only upon approval of acceptable progress or deliverables as documented in the firm's report. Invoices may not be submitted more than once monthly and State law forbids payment of invoices prior to receipt of services.

**3.4.15 *Liquidated Damages:***

According to West Virginia State Code §5A-3-4(8), firm agrees that liquidated damages shall be imposed at the rate of \$500 per workday, for failure to provide deliverables at the agreed upon date identified in the final contract. This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue to any other additional remedy to which the State or Agency may have legal cause for action including further damages against the firm.

**3.4.16 *Record Retention (Access & Confidentiality):***

Firm shall comply with all applicable Federal and State of West Virginia rules and regulations, and requirements governing the maintenance of documentation to verify any cost of services or commodities rendered under this contract by the firm. The firm shall maintain such records a minimum of five (5) years and make available all records to Agency personnel at firm's location during normal business hours upon written request by Agency within 10 days after receipt of the request.

Firm shall have access to private and confidential data maintained by Agency to the extent required for firm to carry out the duties and responsibilities defined in this contract. Firm agrees to maintain confidentiality and security of the data made available and shall indemnify and hold harmless the State and Agency against any and all claims brought by any party attributed to actions of breach of confidentiality by the firm, subcontractors, or individuals permitted access by the firm.



**PART 4****EVALUATION & AWARD****4.1 Evaluation and Award Process:**

- a) Expressions of Interest will be evaluated and awarded in accordance with **§5G-1-3 "Contracts for architectural and engineering services; selection process where total project costs are estimated to cost two hundred fifty thousand dollars or more."**

"In the procurement of architectural and engineering services for projects estimated to cost two hundred and fifty thousand dollars or more the director of purchasing shall encourage such firms engaged in the lawful practice of the profession to submit an expression of interest, which shall include a statement of qualifications, and performance data and may include anticipated concepts and proposed methods of approach to the project. All such jobs shall be announced by public notice published as a Class II legal advertisement in compliance with the provisions of article three [§59-3-1et seq.] A committee comprised of three to five representatives of the agency initiating the request shall evaluate the statements of qualifications and performance data and other material submitted by the interested firms and select three firms which in their opinion are the best qualified to perform the desired service. Interviews with each firm selected shall be conducted and the committee shall conduct discussions regarding anticipated concepts and the proposed methods of approach to the assignment. The committee shall then rank in order of preference no less than three professional firms deemed to be the most highly qualified to provide the services required, and shall commence scope of service and price negotiations with the highest qualified professional firm for architectural or engineering services or both. Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified, at a fee determined to be fair and reasonable, price negotiations with the firm of second choice shall commence. Failing accord with the second most qualified professional firm, the committee shall undertake price negotiations with the third most qualified professional firm. Should the agency be unable to negotiate a satisfactory contract with any of the selected professional firms, it shall select additional professional firms in order of their competence and qualifications and it shall continue negotiations in accordance with this section until an agreement is reached."

b) The evaluation criteria and assigned point values are as follows:

The firms demonstrated relevant experience and qualifications of proposed personnel – Points: 20

The firms capacity to handle a project of this scope – Points: 20

A statement of the firm's plan of approach and a timeline for this project - Points: 30

Oral Presentation (knowledge & understanding of the project) – Points: 30

Interviews will consist of a 20 minute presentation by the firm followed by a 15 minute question and answer period.

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:

*West Virginia Code* §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A 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. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

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

Vendor's Name: Bastian & Harris, Architects, PLLC

Authorized Signature: 

Date: 9 December 2008

## BASTIAN & HARRIS, ARCHITECTS

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The firm of Bastian & Harris, Architects was established in 1999 by Doug Bastian, AIA and John Harris, AIA. For 27 years, Doug and John worked for the firm of Clint Bryan & Associates in Charleston. During their tenure with this architectural firm, Doug and John participated in the production of a wide variety of projects ranging from higher education, primary and secondary education, health care, churches, commercial office space, retail, recreational, and custom residential. Through this association, they gained valuable experience in all phases of the design and construction process. Their technical expertise in the production of detailed construction documents and hands on approach to contract administration has gained them respect among the construction industry with a reputation for minimal change orders. This practical experience contributes to their ability to match owner's functional needs with economical and constructible design solutions. Detailed cost estimating from conceptual phase through construction documents has led to an excellent track record of delivering projects on time and in budget.

Bastian & Harris offers full service architectural designs to their clients while remaining small and personal. This four man firm, consisting of three registered architects and one associate, can produce projects of various sizes and complexities. By utilizing independent mechanical, electrical, and structural engineering consultants as needed, the firm capitalizes on a wide range of technical expertise and support. When specific projects require special expertise, Bastian & Harris will call upon specialized architectural design firms or other design consultants and utilize the knowledge and experience of nationally recognized professionals within a specific discipline. This allows them to build a design team specifically geared to the clients individual goals and objectives.

From early project development through programming, budget, design, technical drawings, specifications, and contract administration, a project is handled by the same key individuals. This continuity of personnel from inception to completion results in smooth communication between owner and all members of the project team. This helps to ensure quality control throughout the project and effectively translate owner's original project goals into a successful and complete project.

Recent projects include a 500-bed Student Housing and Dining Facility Complex for Marshall University, new Corporate Offices for Go-Mart, Inc., new Banquet Facility, Training, Educational, and Conference Center Addition at Caperton Center, and various renovations and additions to seven elementary schools for Kanawha County. Currently under construction are a new facility for Eastern West Virginia Community & Technical College, Virginia Thomas Law Center for the Performing Arts at West Virginia Wesleyan College, and various projects for Kanawha County Schools. Presently, projects include Marshall Community & Technical College, various other projects at Marshall University, and new offices for Hospice.

Doug and John are committed to providing a high level of professional service with personal attention to detail. It is this reputation that has helped to establish them within the architectural and construction community. They look forward to serving your design needs and appreciate the opportunity to be part of your project.

Bastian & Harris, Architects  
300 Summers Street, Suite 1200  
Charleston, WV 25301-1630  
304/342-2151 -- 304/342-2197 (Fax)  
bastianandharris.com

*Firm Profile*



## DOUG BASTIAN, AIA, NCARB

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Doug Bastian, AIA, Principal, is a registered architect, licensed since 1988 to practice architecture and has over 35 years experience within the building industry. Doug participated in the production of numerous projects. He continues to focus on design, estimating, construction documents, and construction administration aspects of projects.

### Education

Bachelor of Science in Architectural Technology  
West Virginia State College – 1968

### Registration/License

Licensed in West Virginia 1988  
Certification by National Council of Architectural Registration Boards

### Affiliations

American Institute of Architects  
AIA West Virginia

### Project Experience

Marshall University  
Student Housing and Dining Facility Complex  
Renovations to Holderby Hall  
Enhancements to Caperton Center (Tamarack)  
Eastern WV Community & Technical College  
Classroom / Laboratory / General Support Building  
Tri-County YMCA Natatorium and Wellness Center  
Blessed Sacrament Church Parish Hall  
Ayash Sport Center  
Corporate Office for Go-Mart  
Kanawha County Schools  
Horace Mann Middle School Renovations  
Grandview Elementary School Addition  
Garnet Adult Center Renovations  
New Windows and Masonry Repairs at Clendenin Elementary  
Dupont Middle School HVAC Renovations  
Auditorium Renovations at Five Area High Schools  
Library/Computer Lab Addition and Fire Code Corrections to Point Harmony  
Elementary School  
Renovations and HVAC Upgrades to Horace Mann Middle, Dupont Middle, and  
Chesapeake Elementary  
Renovations to Shawnee Community Education Center  
Renovations and HVAC Upgrades to Stonewall Jackson Middle School  
Herman Eye Center New Office Building  
Addition and Renovations to Comfort Inn  
Bible Center Church Master Plan  
Cross Lanes United Methodist Church New Fellowship Hall  
Calvary United Methodist Church Addition and Renovations  
Virginia Thomas Law Center for the Performing Arts at  
West Virginia Wesleyan College

## JOHN HARRIS, AIA, NCARB

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John Harris, AIA, Principal, is a registered architect, licensed since 1982 to practice architecture. In 1972, John joined the firm of Clint Bryan & Associates. While there, John worked with and assisted in the production of a wide variety of projects. Responsibilities include overall project development, design, construction documents, and construction administration.

### Education

Bachelor of Science in Architectural Technology  
Summa Cum Laude  
West Virginia State College – 1973

### Registration/License

Licensed in West Virginia 1982 -- Virginia 2002  
Certification by National Council of Architectural Registration Boards

### Affiliations

American Institute of Architects; AIA West Virginia; West Virginia Society of Architects Board of Directors 1983-85 and 2005-Present;  
AIA West Virginia Scholarship Committee;  
Council of Education Facilities Planners

### Project Experience

Marshall University  
Student Housing and Dining Facility Complex  
Memorial Student Center Lobby Renovations  
Expansion to Mid Ohio Valley Center  
Renovations to Buskirk Hall  
Graduate College Renovations  
Art Department Renovations  
Housing / Wellness Center  
Eastern West Virginia Community & Technical College Classroom / Laboratory / General Support Building  
Kanawha County Schools  
Ruffner Elementary - Addition and Renovations  
Overbrook Elementary - Addition and Renovations  
Alban / Andrews Heights / Anne Bailey Elementary - Additions and Renovations  
Central Elementary - Addition  
Horace Mann Middle School Renovations  
West Virginia Wesleyan College  
Virginia Thomas Law Center for the Performing Arts  
Marshall Community & Technical College  
Moses Automotive Factory Outlet  
Hospice Administrative Office Building  
Pleasant Valley Hospital - Emergency Services and Laboratory Renovations  
Addition and Renovations to Bible Center Church  
Addition to Emmanuel Baptist Church  
Mountaineer Imaging Center  
Citizens National Bank of Snowshoe  
Law Office of Kesner, Kesner & Bramble  
BB&T Lobby Renovations  
Hampton Inn Addition and Renovations

## CHRISTOPHER CAMPBELL, AIA, NCARB

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Chris Campbell, AIA, is a registered architect and licensed since 2000 to practice architecture.

In 1996, Chris was employed as a project architect with Williamson Shriver, Architects and was responsible for design, project development, and contract documents with an emphasis on public K-12 educational facilities. Activities included design, progress meetings, technical coordination with consultants, CADD drafting, specification preparation, project reviews with various state agencies, pre-bids, clarifications during bidding process, and bid openings, coordination with construction staff, progress reviews. Primary responsibility on projects included the implementation of design goals with respect to client's program and budget.

In May 2006, Chris joined the firm of Bastian & Harris, Architects. Responsibilities include overall project development, design, construction documents, bidding, and construction administration.

### Education

University of Tennessee - 1996

### Registration/License

Licensed in West Virginia - 2000

Certification by National Council of Architectural Registration Boards

### Affiliations

American Institute of Architects

West Virginia Chapter of the American Institute of Architects

### Professional Service

AIA WV Chapter President - 2006 to 2007

AIA WV Executive Committee - 2001 to present

AIA 150 Champion (AIA WV) - 2006 to 2007

Intern Development Program State IDP Coordinator - 2000 to 2005

### Project Experience with Williamson Shriver, Architects

University High School - 217,000 sf new facility

Mylan Park and Skyview Elementary Schools - two 80,000 sf facilities

Widmyer Elementary School - 44,000 sf addition and renovation

Philip Barbour High School - 169,000 sf addition and renovation

Erma Byrd Art Gallery, University of Charleston - renovation into new art gallery

Jefferson County Middle School - 88,000 sf new facility

Berkeley Springs High School - 114,000 sf addition and renovation

Ram Stadium, Shepherd College - 2100 seat new facilities /support buildings

Bluefield Intermediate School - 43,000 sf new facility

Princeton Primary School - 56,600 sf new facility

### Project Experience with Bastian & Harris, Architects

Overbrook Elementary School Addition and Renovation

Eastern West Virginia Community and Technical College New Classroom /

Laboratory / Support Building

West Virginia Wesleyan College

Virginia Thomas Law Center for the Performing Arts

Hospice Administrative Office Building

Kanawha County Schools - Auditorium Renovations at Five Area High Schools

BB&T 14th Floor Tenant Build-Out

**RE-ROOFING, EXTERIOR RESTORATIONS AND MAINTENANCE UPGRADES**

**Marshall University**

Buskirk Hall HVAC Renovations  
Holderby Hall Re-Roofing  
Twin Towers Re-Roofing  
Corby Hall Roof Replacement  
Twin Towers Elevator Replacement and Upgrades

**Fairmont State College**

Morrow Hall Re-Roofing  
Dining Hall Roof Replacement  
Pence Hall HVAC and Window Replacement  
Pence Hall Re-Roofing  
Prichard Hall Roof Replacement  
Feaster Center Roof Replacement  
Hardway Hall Re-Roofing  
Re-Roofing of Jaynes Hall  
Wallman Hall Re-Roofing

**Kanawha County Schools**

Dupont Middle HVAC Renovations  
Clendenin Elementary School New Windows & Masonry Repairs  
Stonewall Jackson Roof Repairs  
Dunbar Middle School Renovations and Window Replacement  
McKinley Middle School Window Replacement  
Bridgeview Elementary Structural Repairs, and Window and Door Replacement  
Stonewall Jackson Middle School Roof Replacement and HVAC Upgrades  
Horace Mann Middle, Dupont Middle, and Chesapeake Elementary Renovations and HVAC Upgrades  
Horace Mann Middle School Restoration and Renovations  
George Washington Stair and ADA Accessibility Modifications  
Pt. Harmony Elevator Addition  
Central Office Elevator

**Glenville State College**

PE Building Re-Roofing and Elevator Addition

**Churches**

St. Matthews Catholic Church Re-Roofing



## BASTIAN & HARRIS, ARCHITECTS

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### Educational

West Virginia Wesleyan College Center for the Performing Arts  
Marshall University

- Student Housing Complex
- Renovations to Holderby Hall
- Renovations to Buskirk Hall
- Renovations to Memorial Student Center
- Housing / Wellness Center
- 6th Avenue Parking
- Mid-Ohio Valley Center
- Art Department Renovations

Marshall University Graduate College

Marshall Community & Technical College

Eastern West Virginia Community and Technical College

- Classroom / Laboratory / General Support Building
- Distance Learning Classrooms

Kanawha County Schools - Renovations:

- Central Office
- Multiple School Auditoriums
- Horace Mann Middle School
- George Washington High School
- Shawnee Community Education Center

Kanawha County Schools - Additions:

- Point Harmony Elementary
- Grandview Elementary
- Alban Elementary
- Andrews Heights Elementary
- Anne Bailey Elementary
- Central Elementary
- Overbrook Elementary
- Ruffner Elementary
- Horace Mann Middle School
- McKinley Middle School
- Garnet Adult Center
- Point Harmony IMC / Computer Lab

Kanawha County Schools - Renovations and HVAC Upgrades:

- Horace Mann Middle, Dupont Middle, and Chesapeake Elementary Schools
- Stonewall Jackson Middle School

Kanawha County Schools - Window Replacement:

- Dunbar Middle School
- McKinley Middle
- Horace Mann Middle School
- Clendenin Elementary School

## BASTIAN & HARRIS, ARCHITECTS

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### Commercial

Enhancements to Caperton Center (Tamarack)  
South Hills Shopping Center Renovations  
Holiday Inn Renovations - Civic Center  
Moses Automotive Factory Outlet - Southridge  
Joe Holland Chevrolet  
Renovations to Bert Wolfe Ford / Toyota  
Renovations to Beckley Toyota  
Moses Automotive Factory Outlet - Teays Valley  
Kanawha County Public Library - Charleston Branch  
Kanawha County Public Library - Clendenin Branch  
Renovations to Dunbar Public Library  
Renovations to St. Albans Public Library  
Charleston Acoustics Building Renovations  
Ridgeline Development  
Southridge Center Development  
Soaring Eagle Lodge - Snowshoe  
Ayash Development - St. Albans  
Comfort Inn Addition and Renovations  
Hampton Inn Addition and Renovations  
Ramada Inn Renovations

### Professional Offices

Kesner, Kesner & Bramble Law Office  
New England Financial Renovations  
Pleasant Valley Hospital Wellness Center  
Go-Mart Office Building  
beBetter Networks  
Trans Allegheny Building Renovations  
Herman Eye Center  
Bailey & Glasser  
Ranson Law Office Renovations

### Banking

Branch Banking & Trust Lobby Renovations  
Branch Banking & Trust Tenant Build-Outs - 4th, 6th and 14th Floors  
Citizens National Bank - Snowshoe Branch  
Pleasants County Bank - St. Mary's

**Residential**

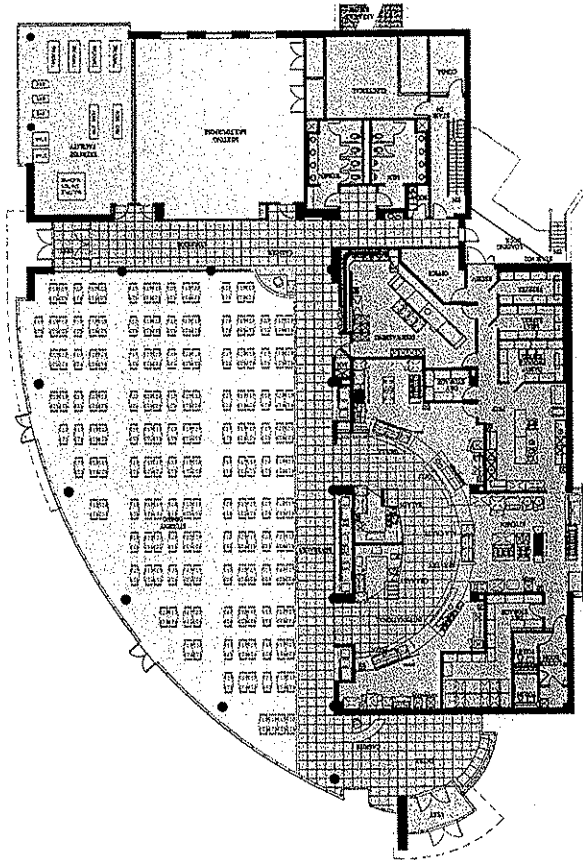
Morgan Residence  
Carson Residence  
Newbold Residence  
Edward Smith Residence  
Maxson Residence  
Lawrence Residence  
Cobb Residence  
Kesner Residence  
Higgins Residence  
Wallace Residence  
Brewster Residence  
George Residences  
Hosaflook Residence  
Anderson Residence  
Hamady Residence  
Akins Residence  
Hosaflook Residence  
Halloran Residence  
Wallace Residence

**Churches**

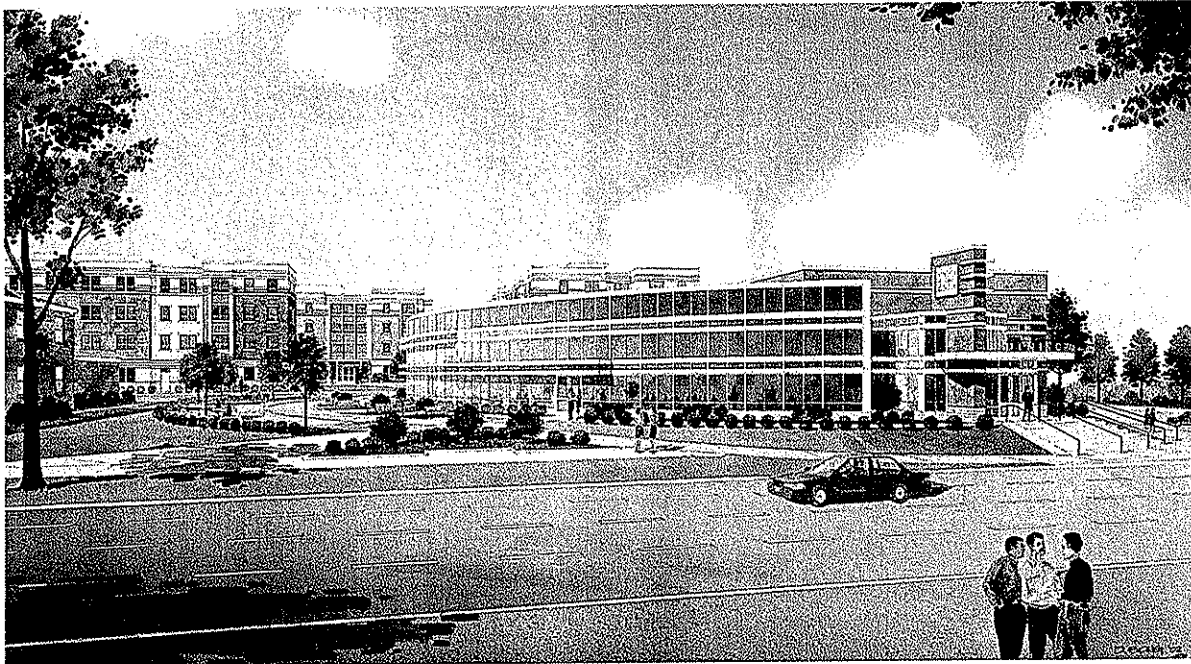
Bible Center Church Addition and Renovations  
Peoples Baptist Church Fellowship Hall Renovation  
Cross Lanes United Methodist Church Addition  
Blessed Sacrament Parish Hall  
Bible Baptist Church of Danville  
Madison United Methodist Church Addition  
Emmanuel Baptist Church  
First Baptist Church of Eleanor  
Calvary United Methodist Church Addition and Renovations  
Spring Hill Baptist Church Renovations  
Maranatha Baptist Church (Sissonville) Renovations

**Health Care**

Hospice Administrative Office Building  
Greenbrier Clinic Endoscopic Suite  
Mountaineer Diagnostic Imaging Center  
Pleasant Valley Hospital  
    Emergency Services and Laboratory Renovations  
    Expansion to Medical Office Building  
    New Hydro-Therapy Facility  
    Entry Canopy

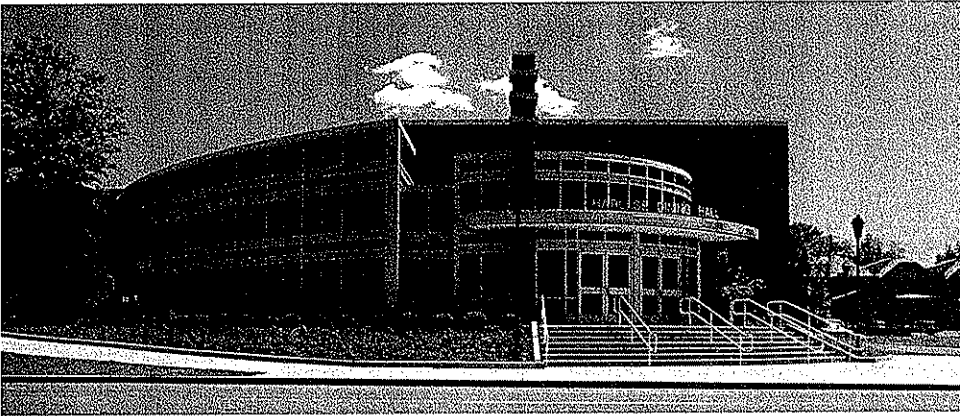


Dining Facilities - Plan

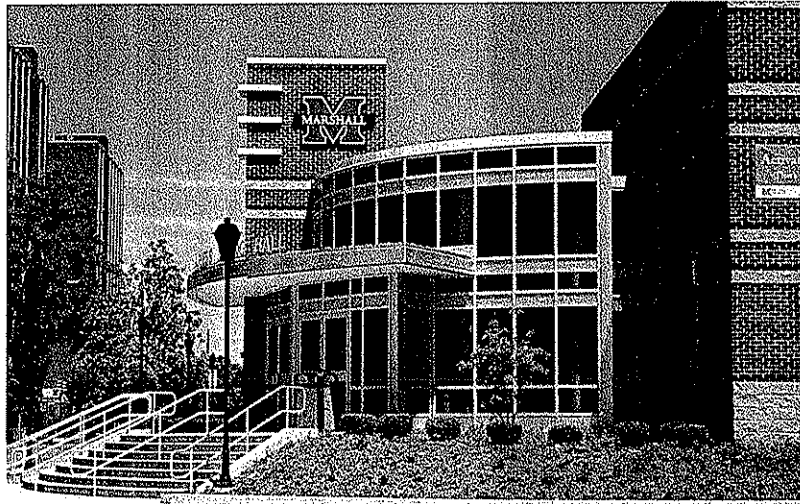


Marshall Student Housing - Dining Facilities

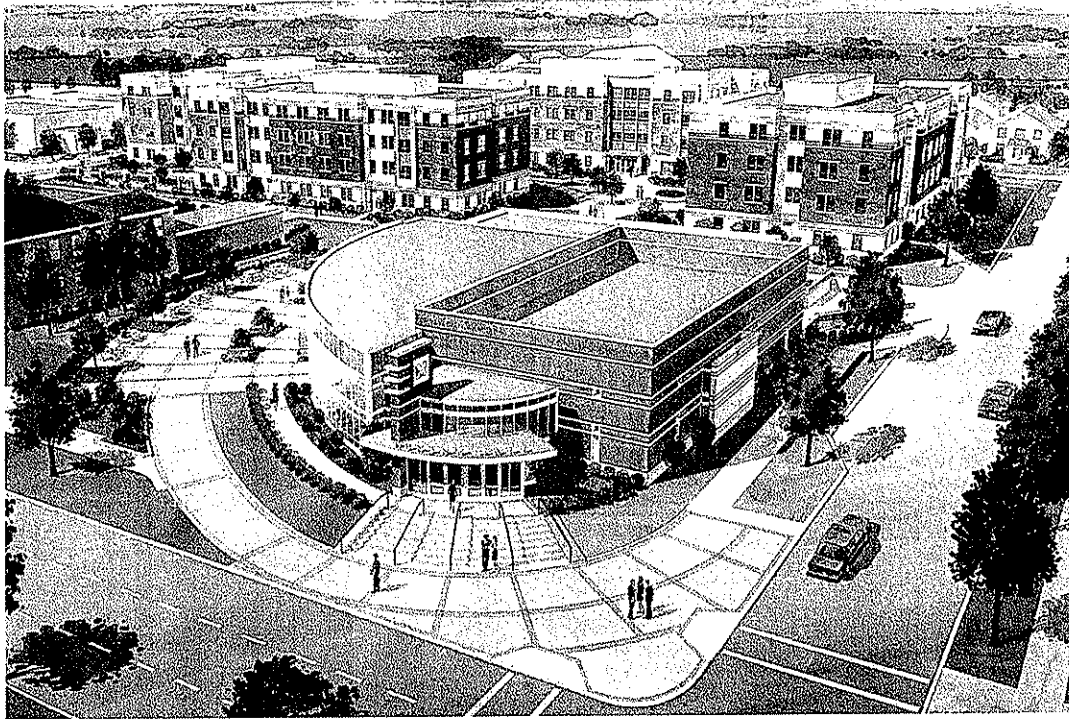
BASTIAN & HARRIS, ARCHITECTS



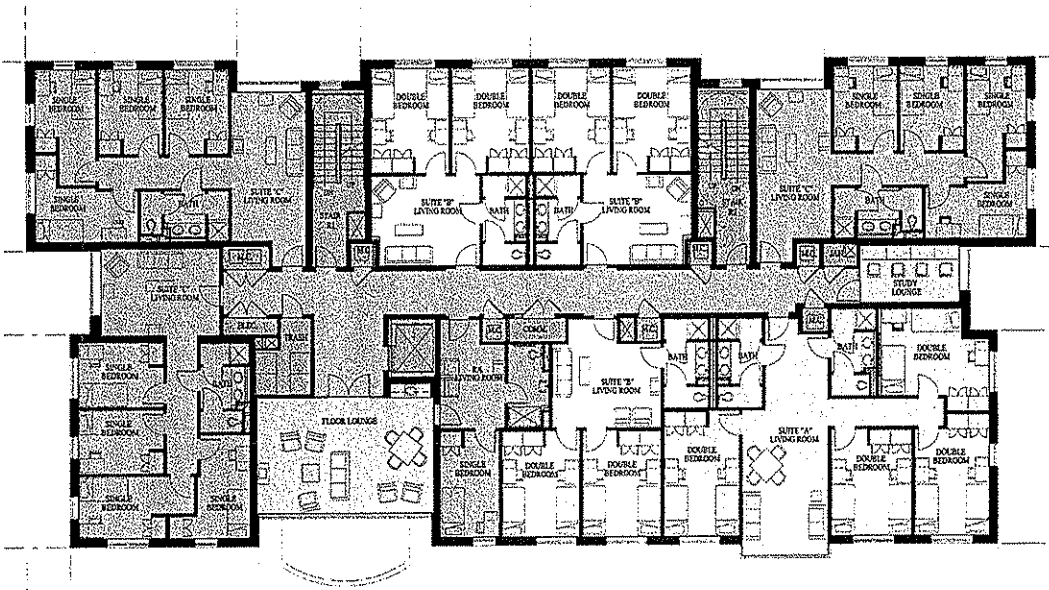
Marshall University  
Dining Facility



*Project Photos*



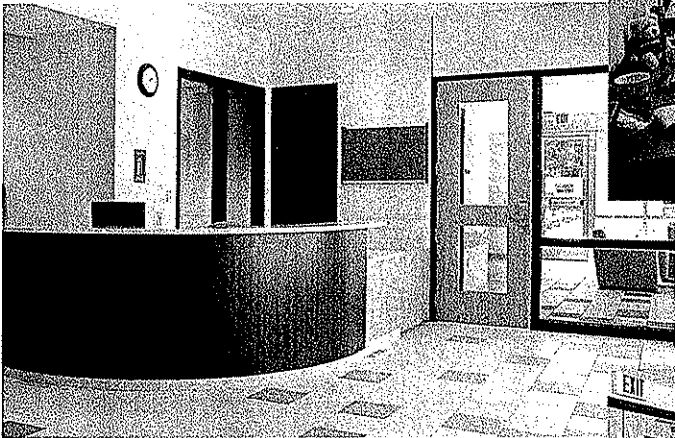
Marshall Student Housing - Residence Hall



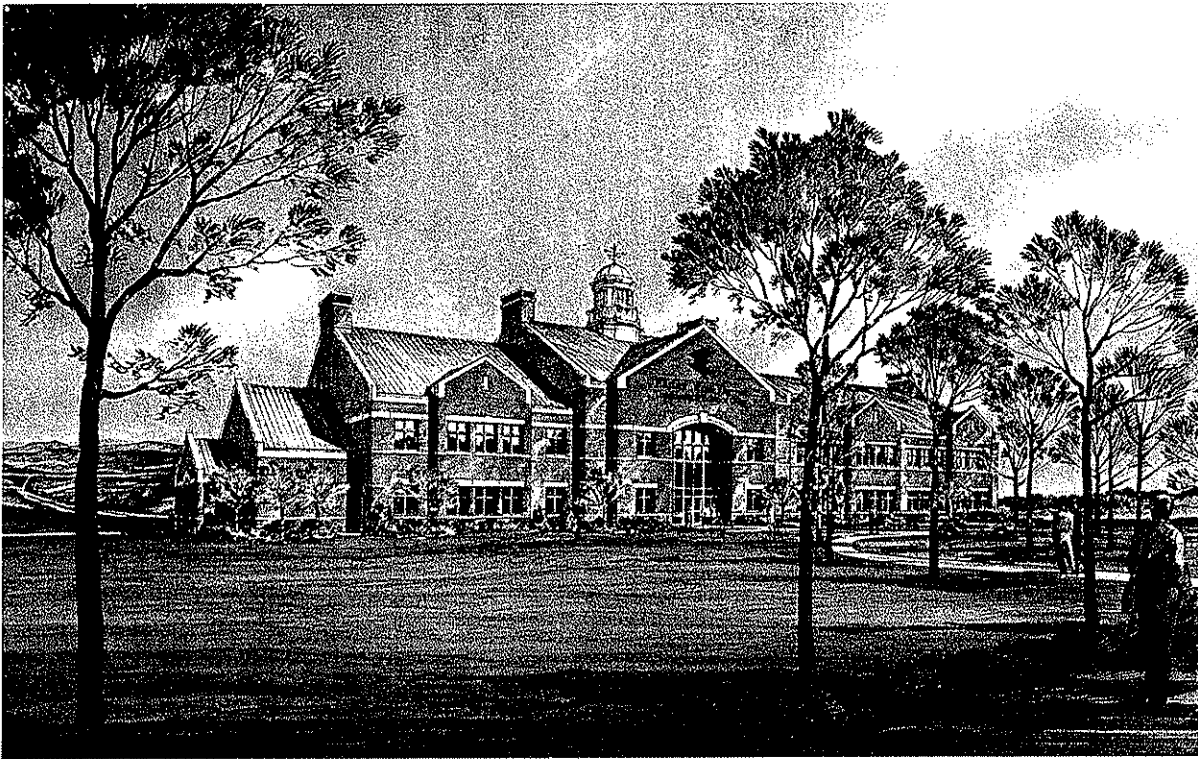
Marshall Student Housing - Residence Hall Plan



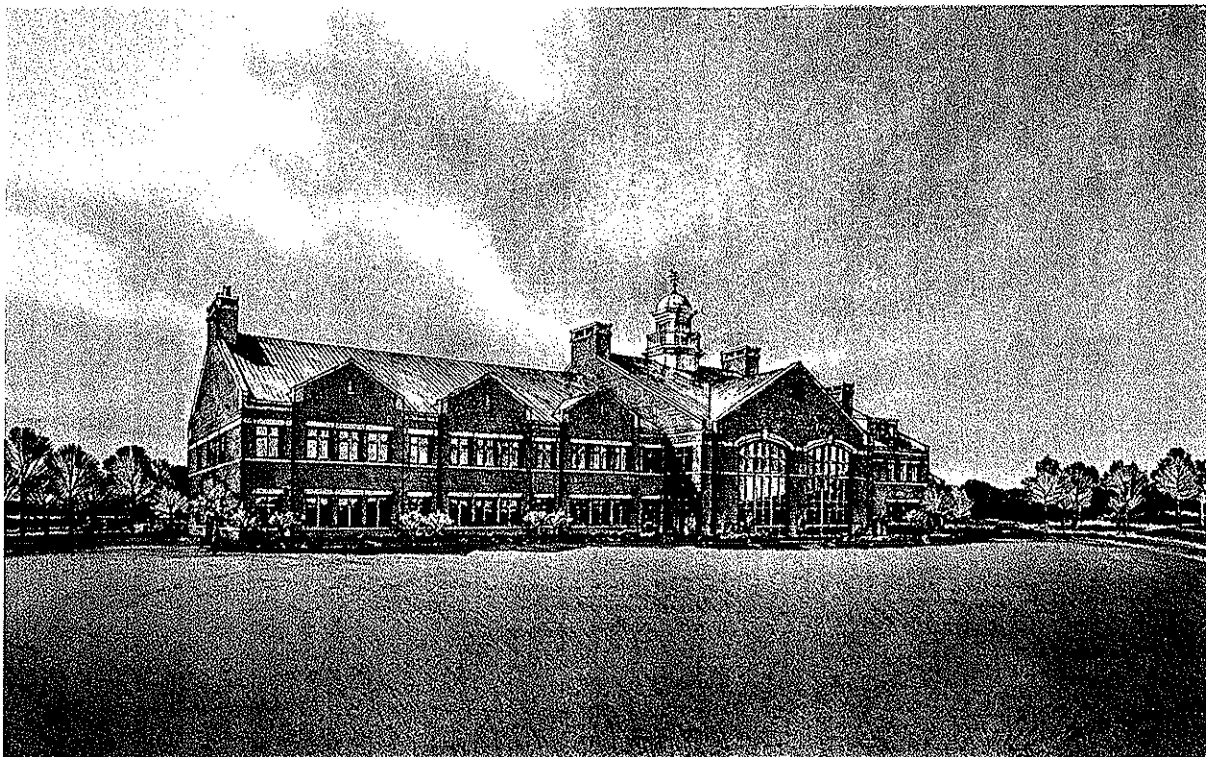
Marshall University  
Student Housing Complex



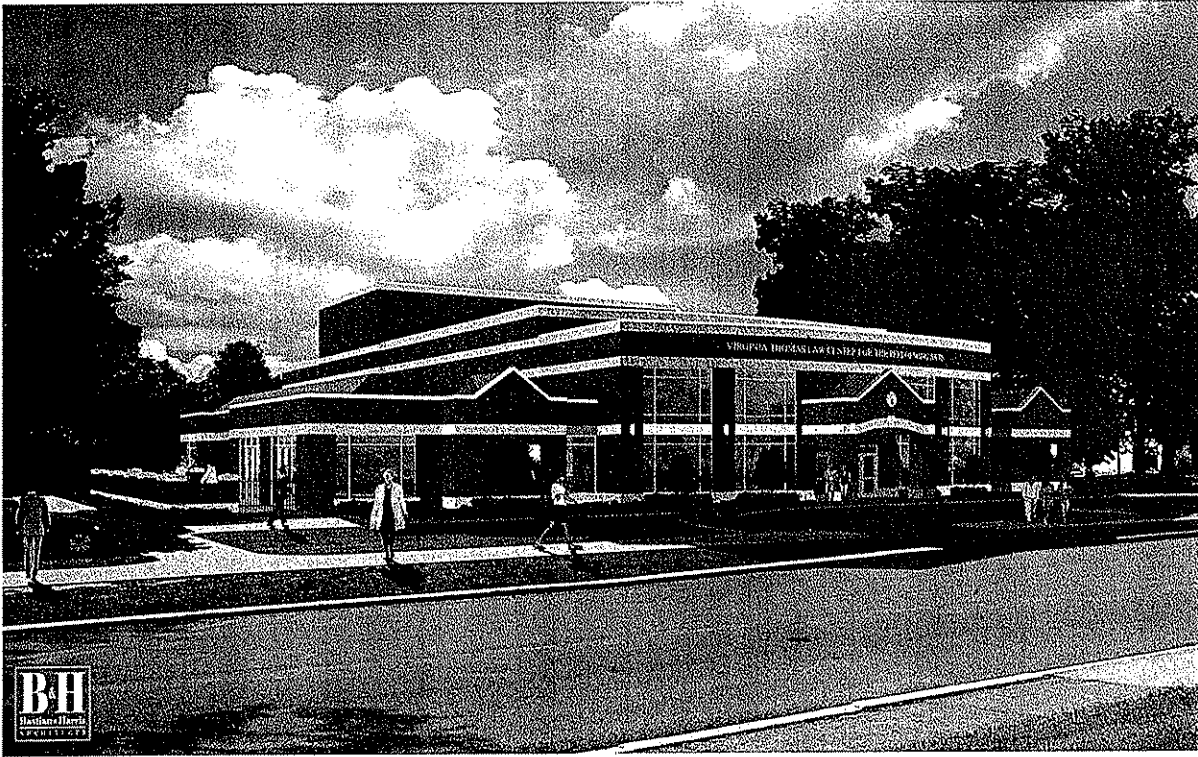




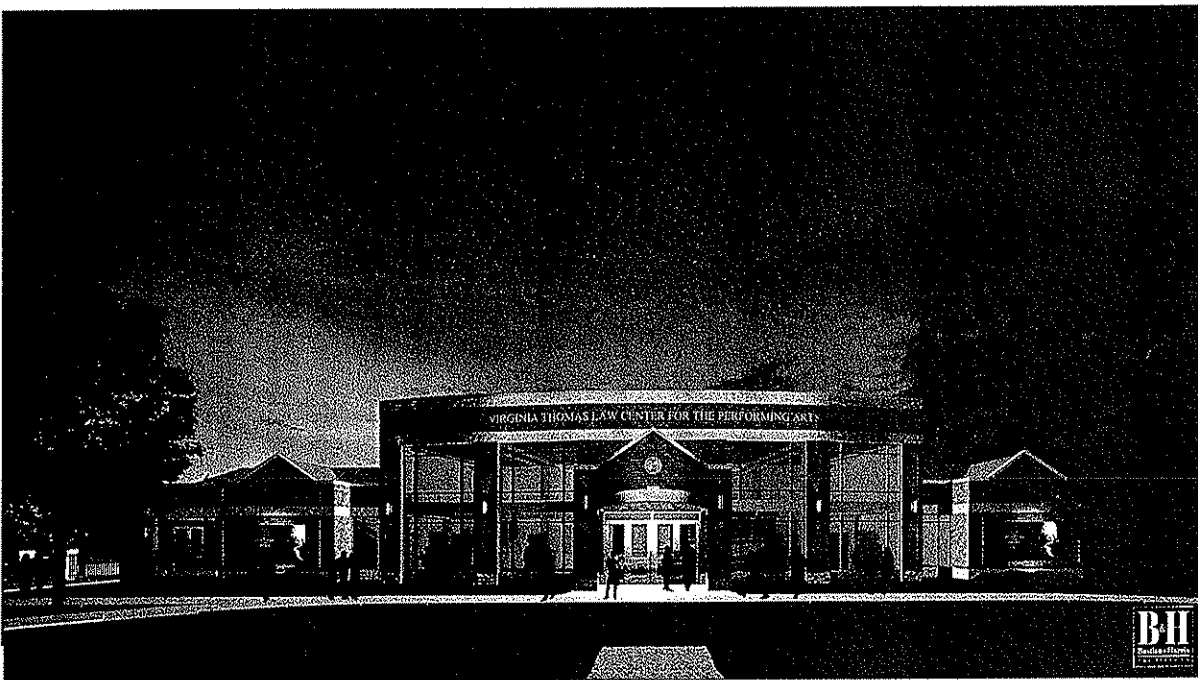
Eastern West Virginia  
Community & Technical College

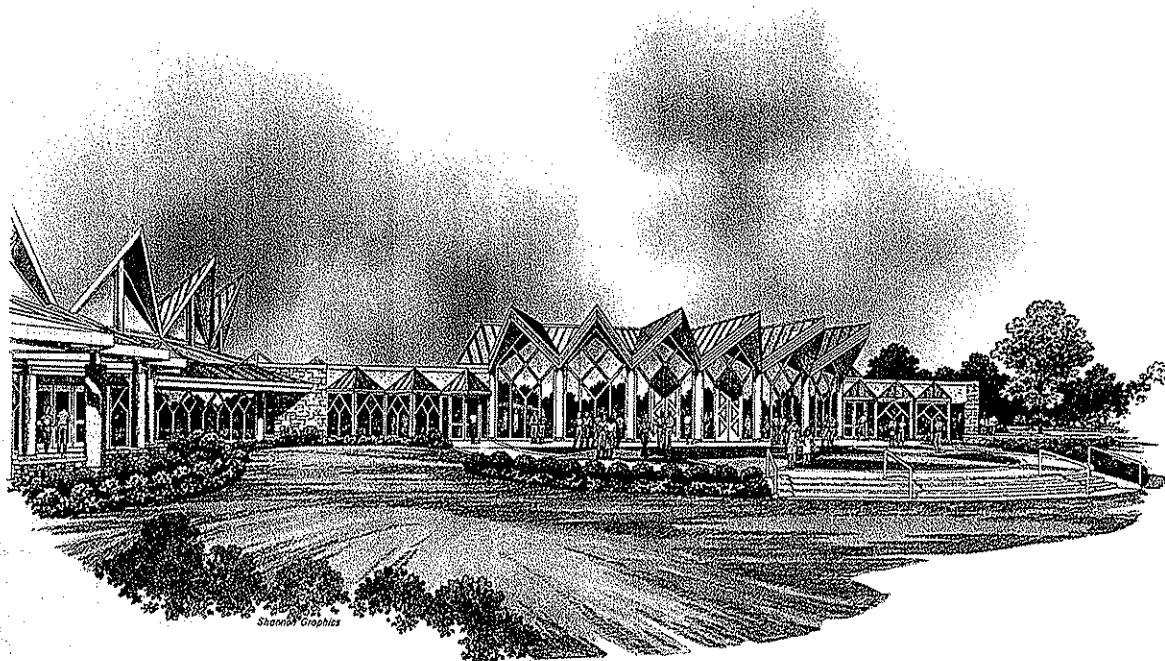






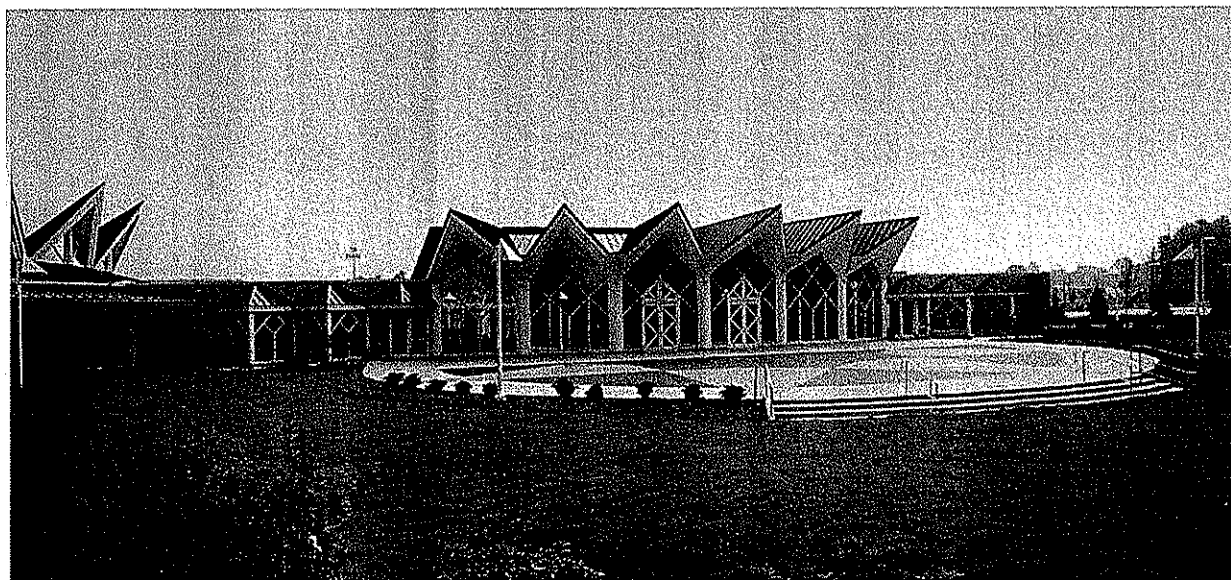
Virginia Thomas Law Center for the Performing Arts  
West Virginia Wesleyan College





Rendering

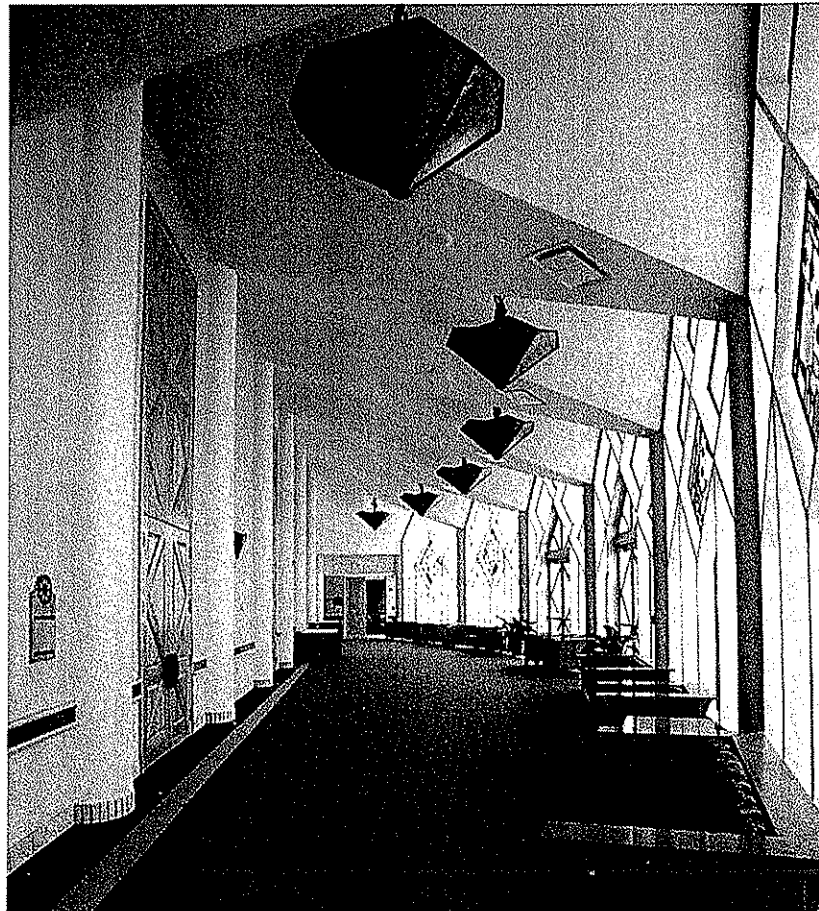
Enhancements to Caperton Center (Tamarack)

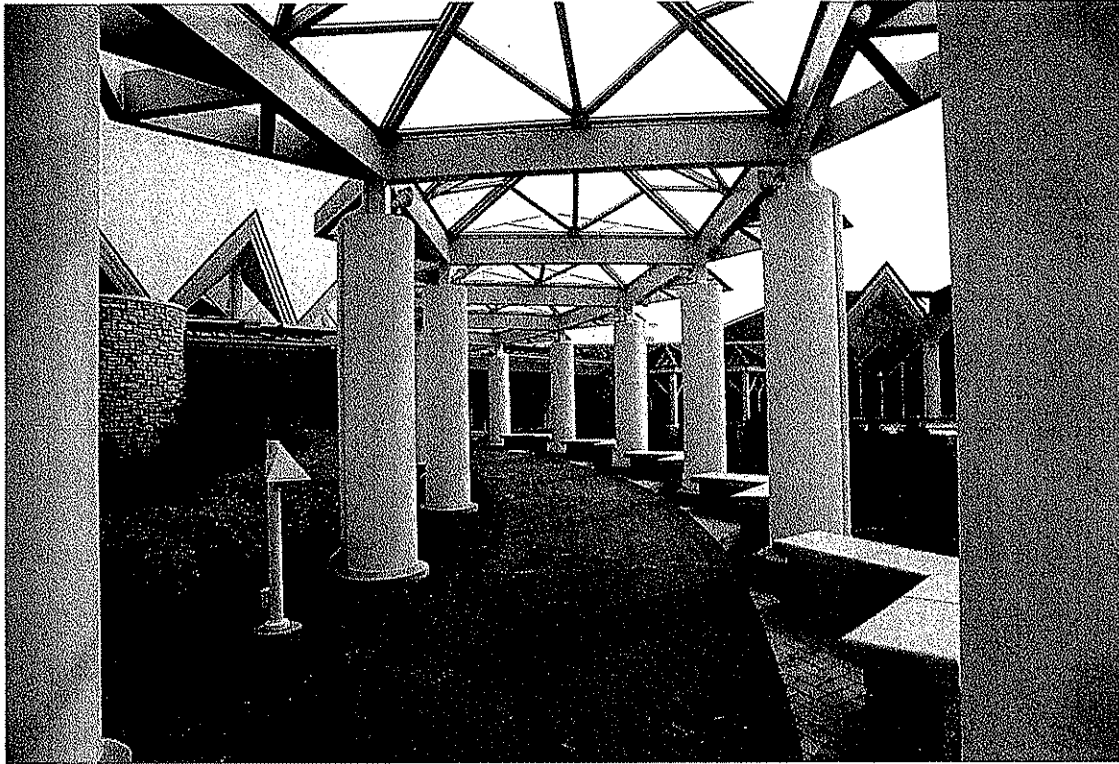


Completed Project



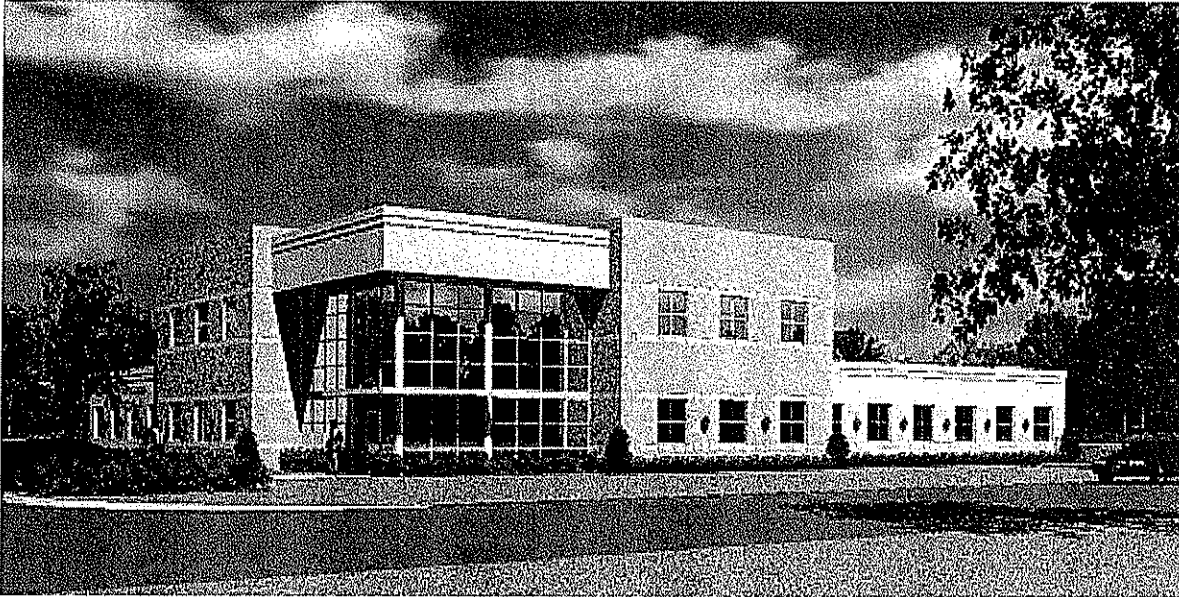
Caperton Center -  
Pre-Function Area





Caperton Center - Canopy





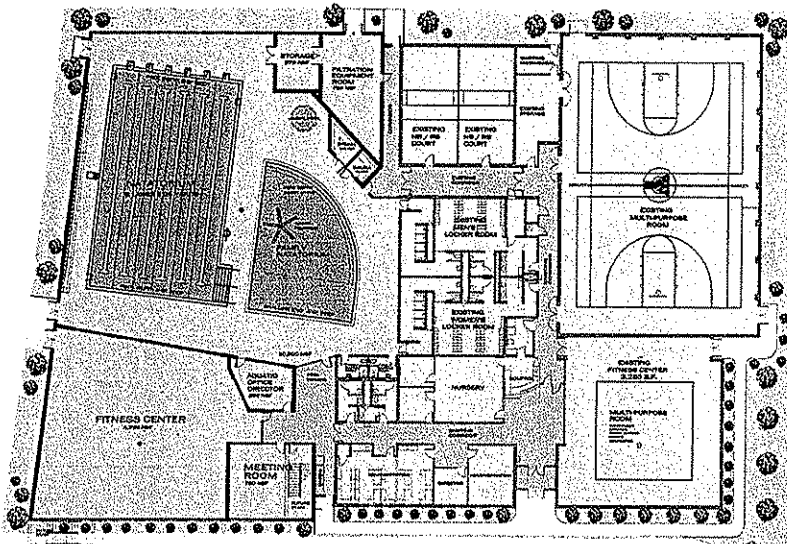
Rendering

Go Mart Corporate Offices

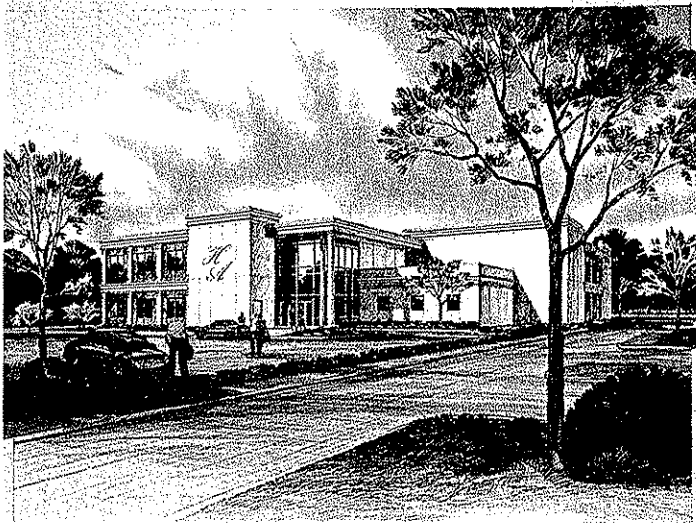
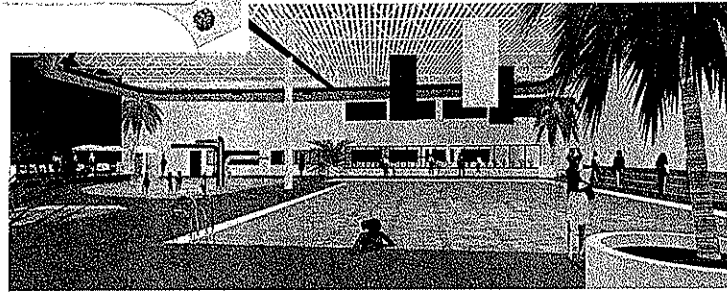


Completed Project

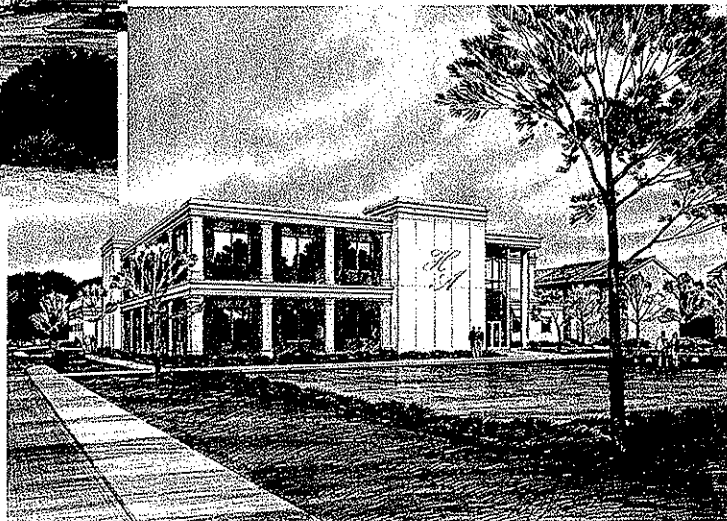


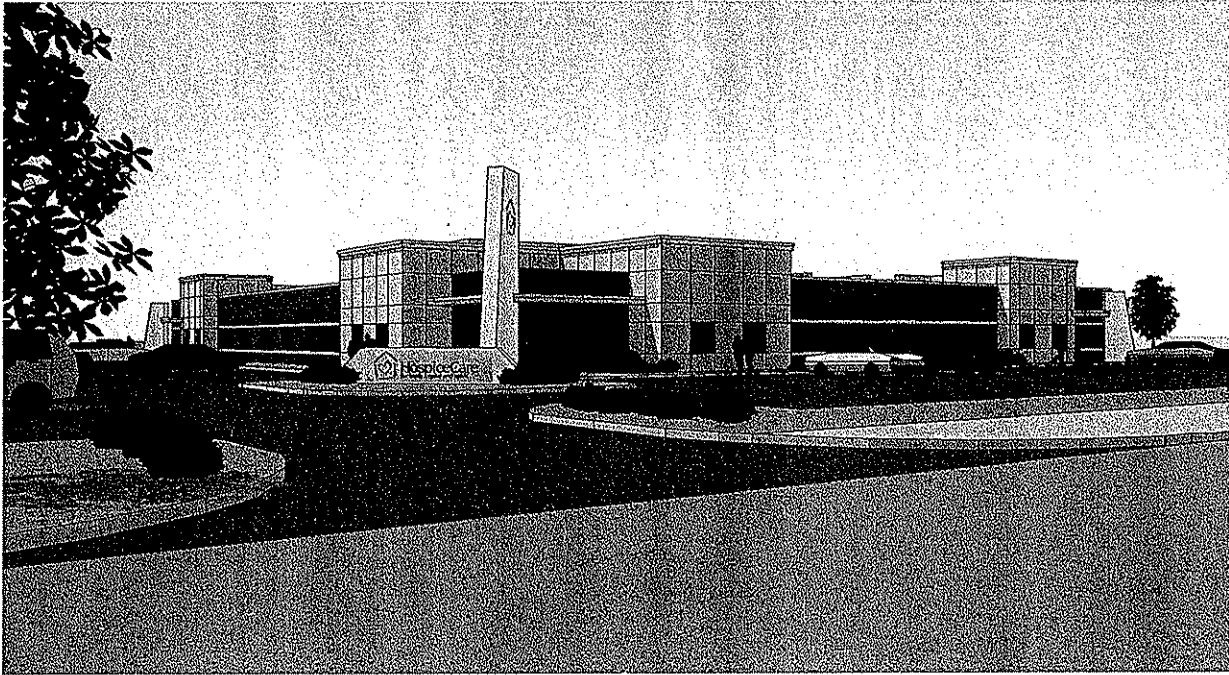


Tri County YMCA



Ayash Sport Center

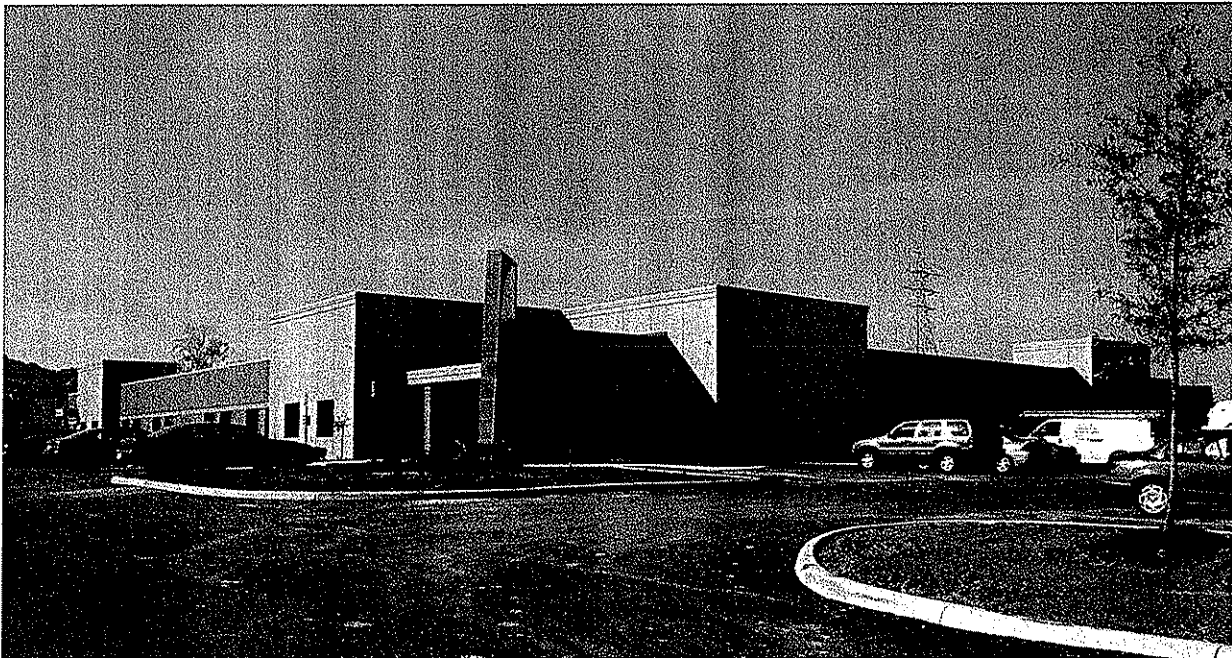




Rendering

HospiceCare Administrative Offices

Construction Phase



## BASTIAN & HARRIS, ARCHITECTS

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- Ron May, Acting Director of  
Facilities Planning and Management  
Marshall University  
One John Marshall Drive  
Huntington, West Virginia 25755  
Phone: 304/696-6294
- Robert Sisk, Interim President  
Eastern West Virginia Community and Technical College  
1929 State Road 55  
Moorefield, West Virginia 26836  
Phone: 304/434-8000
- Greg Barr, General Manager  
West Virginia Parkways, Economic  
Development and Tourism Authority  
PO Box 1469  
3310 Piedmont Road  
Charleston, West Virginia 25325-1469  
Phone: 304/926-1900
- Richard Donovan, Assistant Director of Facilities  
West Virginia Higher Education Policy Commission  
1018 Kanawha Blvd., East, Suite 700  
Charleston, West Virginia 25301  
Phone: 304/558-0281
- Charles Wilson, Administrative Assistant  
Facilities / Operations  
Kanawha County Schools  
3300 Pennsylvania Avenue  
Charleston, West Virginia 25302  
Phone: 304/348-6148
- Clark Vickers, Director of Support Services  
Pleasant Valley Hospital  
2520 Valley Drive  
Pt. Pleasant, WV 25550  
Phone: 304/675-4340
- David Sneed, Chief of Architectural Services  
WV State Department of Education  
School Building Authority  
2300 Kanawha Boulevard, East  
Charleston, West Virginia 25311-2306  
Phone: 304/558-2541
- Lee Walker, Business Manager  
Bible Center Church  
1111 Oakhurst Drive  
Charleston, West Virginia 25314  
Phone: 304/346-0431
- John Thomas, Property Manager  
BB&T Corporate Facilities  
1007 Bullitt Street  
Charleston, West Virginia 25301  
Phone: 304/342-5156
- Larry Robertson, Executive Director  
HospiceCare  
1143 Dunbar Avenue  
Dunbar, West Virginia 25064  
Phone: 304/768-8523



# SCHEESER BUCKLEY MAYFIELD LLC

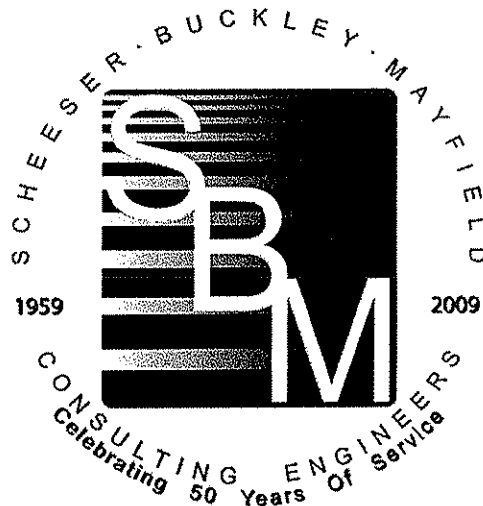
## Mechanical, Electrical, Civil and Telecommunication Consulting Engineers

**Scheeser Buckley Mayfield LLC** is an Ohio-based Consulting Engineering firm that serves clients throughout Ohio and the surrounding states. The firm was established in 1959 by Walter L. Scheeser and Edwin J. Buckley, specializing in the design of mechanical systems for the construction industry. The firm has enjoyed a steady growth in clients and geographical area served throughout its history, and its services now include electrical, civil, and telecommunication design.



Scheeser Buckley Mayfield LLC has developed an outstanding reputation for both its accessibility to its clients and the clarity and completeness of its documents. The firm has been a leader in the application of new technology. It has extensive experience in the design and analysis of projects of all sizes, which it can draw upon for future projects. Each project requires an analysis of the most cost effective system available based on the client's design parameters. It is also the responsibility of the design team to determine if other options exist which may be beyond the scope of the current budget and which need to be considered on the current project to allow for future growth. Scheeser Buckley Mayfield LLC gives this personal attention to each project by determining the project design which can be implemented within the client's budget while applying innovative design concepts.

Many of SBM's projects originate from clients who have used its services previously and wish to continue a professional association. Scheeser Buckley Mayfield LLC strives to provide very professional and competent engineering services to all of our clients and to develop a personal relationship with these clients. This on-going association with clients provides an opportunity for them to better understand design concepts as well as the logic behind the decisions which may affect their systems for many years after the project's completion.



*Firm Profile*



**JAMES E. ECKMAN, P.E., LC, LEED AP  
PRESIDENT**

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Mr. Eckman attended The University of Akron where he received his Bachelor of Science Degree in Electrical Engineering in 1984.

After graduation, Mr. Eckman began his career as a consulting engineer by accepting a position as junior engineer with Kucheman, Peters and Tschantz, Inc., an electrical consulting firm in Akron, Ohio. During this engagement, he gained experience in the electrical design of commercial, industrial and healthcare facilities. Mr. Eckman also served as project manager for many of the projects he designed.



Concurrently, Mr. Eckman taught an electrical engineering course called "Illumination" at The University of Akron.

After leaving KPT, Inc. in 1987, Mr. Eckman gained additional experience in the construction industry by accepting the position of Engineer/Estimator for Thompson Electric, Inc. in Munroe Falls, Ohio. During this engagement, he designed and acted as project manager for several large industrial projects. He also earned electrical contractor licenses in several area communities.

Desiring to further his career as a consulting engineer, Mr. Eckman accepted a position of Senior Engineer with Scheeser Buckley Mayfield LLC in 1989. Mr. Eckman was promoted to the position of Associate in 1990, became a Principal in the firm in 1991 and Vice President of Electrical Engineering in 1992, and President in 2003.

Mr. Eckman was a member of the Institute of Electrical and Electronics Engineers for eight years and is currently an active member of the Electrical League of Northeastern Ohio and the Illuminating Engineering Society (IES). Mr. Eckman has served as Treasurer and President of the Cleveland/Akron IES section and a member of the Executive Committee for the Electrical League. Jim received his Lighting Certification (LC) administered by the National Council on Qualifications for Lighting Professionals (NCQLP) on a national basis to gauge individuals expertise in lighting concepts, fundamentals and design. Mr. Eckman served on the College of Engineering Advancement Council for The University of Akron from 2002 to 2004 and is currently serving on The University of Akron Electrical Engineering and Computer Engineering Advisory Council.

Jim is a LEED v2 Accredited Professional and is registered in the State of Ohio, West Virginia, Pennsylvania and Indiana.

**MICHAEL P. WESNER, P.E., LEED AP**  
**VICE PRESIDENT MECHANICAL ENGINEERING**

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Mike is a graduate of Ohio State University in Columbus, Ohio. He received a Bachelor of Science Degree in Mechanical Engineering in 1981 and later that year joined the consulting firm of Scheeser Buckley Mayfield LLC which was then known as Scheeser\*Buckley\*Keyser.



During his first few years with the firm, Mike was heavily involved with the Title III of the National Energy Conservation Policy Act (NECPA). This governmental program was established as a cost sharing energy conservation grant programs. This program provided funds to study the operation of schools and hospitals to determine if there were ways to reduce their energy consumption. The program then funded energy conservation measures identified in the reports. As a result of this involvement in many audits and retrofit programs for public school buildings, college and university buildings and hospitals, Mike gained valuable experience in formulating and implementing energy conservation programs in buildings that result in real world savings. This experience carries on in the work that Mike does today.

Since the mid 1980's Mike's project experience has been concentrated in the following areas:

- Large hospital Expansion and remodeling projects.
- Hospital Boiler Plant / Chiller Plant replacement projects.
- University Laboratory projects, both new construction and renovation.
- University Classroom Facilities
- University Dormitory Facilities
- Animal research facilities.
- Secondary education facilities.
- Industrial facilities.
- Telephone / Communications buildings
- Recreation/Athletic Fitness Centers
- Worship Centers

On all of the above facility types, Mike has acted as the Principal in Charge for the firm. The Principal in Charge (PIC) is the single point of contact and is responsible to make sure the project gets done on time and on budget.

Other types of project experience Mike has had are listed as follows:

- Projects where SBM was the prime design professional hired by the Owner. Typically this has been for chiller plant/boiler plant or other type of main A/C system replacement. This work involved hiring the sub-consultants, preparing the budget/schedule, writing the "front end" specification documents and doing all of the day to day construction administration.
- Projects where SBM was hired to diagnose and correct mechanical system problems
- Projects where SBM was hired to do Mechanical and Electrical Construction Cost Estimating

Mike is a LEED™ 2.0 Accredited Professional and a member of ASHRAE, ASPE, NFPA and BOCA.

**RONALD R. RADABAUGH, P.E., L.C.**  
**ASSOCIATE - ELECTRICAL ENGINEER**

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Mr. Radabaugh attended the University of Akron here he received his Bachelor of Science in Electrical Engineering Technology in 1996. In 2000, Ron received his Professional Engineering license in the State of Ohio and then in 2001, Ron received his Lighting Certification (LC) from the National Council on Qualifications for Lighting Professionals (NCQLP).



Mr. Radabaugh started his career with Hilscher-Clarke Electric Company 1988. He was responsible for estimating, requisitioning of materials, customer relations, and field support of various industrial and commercial projects. Design experience included layout of construction drawings including embedded conduit routing, exposed conduit routing, conduit templates and sections, conduit and cable schedules, motor control center layouts, power distribution, branch circuiting and lighting design.

In 2001, Mr. Radabaugh accepted a position at Pro-Tech Engineering as a Project Manager. He was responsible for all aspects and phases for multiple projects. He was also responsible for scheduling and supervision of project engineers and information (IS) personnel assigned to assist projects.

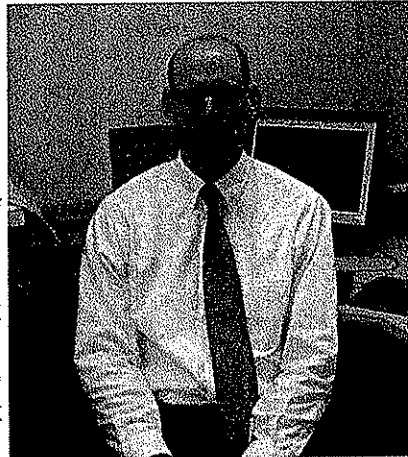
Mr. Radabaugh has joined Scheeser Buckley Mayfield LLC as an electrical engineer. He has been involved with a number of various commercial projects. Some major projects that have been designed includes a five story dormitory at the University of Akron utilizing both apartment style housing and dormitory housing, a level 3 biotechnology facility including an animal research area, two state of the art cancer center facilities, a large clinical education facility, and a six story hospital patient tower addition. Other types of projects have included renovation of an existing emergency department, addition of temporary emergency department, renovation of a physical therapy department, addition of a new operating room, addition of invitro-fertilization (IVT) laboratory, upgrade of existing hospital emergency distribution to include 10,000 amp paralleling gear, renovation of existing servery and dining facilities, and renovation and installation of multiple radiology equipment including X-ray equipment, CT scan, PET scan, and linear accelerators.

**KIRBY A. STOLLER, P.E., LEED AP  
MECHANICAL ENGINEER**

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Mr. Stoller attended the University of Akron and received his Bachelor of Science in Mechanical Engineering, December 1999. Upon graduation, Kirby joined the firm of Scheeser Buckley Mayfield LLC. He passed his Professional Engineering License exam in April 2004.

During college, Kirby was involved in the University of Akron's co-op program and worked at Rubbermaid, Inc, in Wooster, Ohio. He assisted with design projects to support the manufacturing plant and created plant layout drawings for the installation of injection molding machines, automation, and robots. He also met with vendors, obtained quotes, and placed orders to meet project deadlines.



Since working for Scheeser Buckley Mayfield LLC, Kirby has served as the mechanical engineer on a wide variety of projects, primarily for health care facilities and universities and has experience in all aspects of the design of mechanical systems for buildings, including HVAC, Plumbing, and Fire Protection. He has also performed project management tasks within the office on many of his projects to coordinate the design team's efforts.

Larger projects in Kirby's background include a 175,000 square foot Patient Bed Tower and 50,000 square foot Cancer Center Building for Cabell Huntington Hospital located in Huntington, WV with total construction budgets of \$55 million and \$18 million respectively; 140,000 square foot (\$42 million) Bio-Technology Lab building for Marshall University located in Huntington, WV; 80,000 square foot (\$18 million) medical office building for Marshall University School of Medicine located in Huntington, WV; 260,000 square foot office building for Fed Ex located in Green, OH; 150,000 square foot church for The Chapel located in Green, OH.

Kirby designed the mechanical systems for the renovation of Douglass High School which is listed in the National Register of Historic Places. The project consisted of a total overhaul of the existing building systems. The interior was renovated to house medical offices and classrooms.

Other projects that Kirby has designed include:

- 15,000 square foot Dialysis Clinic for Cabell Huntington Hospital
- 28,000 square foot facility for St. Timothy's Lutheran Church
- 60,000 square foot office building renovation for the VA
- Additions and renovations to St. Mary's Correctional Center dining facility
- Emergency generator replacement for First Energy
- Multiple boiler, chiller, cooling tower, and air handling unit replacement projects.
- Numerous hospital renovation projects

**JOHN A. VARGA, E.I.T.  
PLUMBING ENGINEER**

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Mr. Varga attended the University of Akron where he received his Bachelor of Science in Mechanical Engineering in 1997. He has attained his E.I.T. Certification.

During his senior year in college, he began his engineering career working for a precast concrete manufacturer. His responsibilities included the design, layout, production and installation drawings, and volume calculations of extended aeration sewage treatment plants and pump stations. This included the calculation of treatment design based on Ohio EPA and Ten-State Standard requirements. Plant design included anti-floatation measures, tank capacities, effluent quality, and OSHA compliance. Equipment design included blower and motor sizing, pump sizing, losses through piping systems, electrical requirements, flow measurement, and preparation of specifications.



Mr. Varga joined the consulting firm of Scheeser Buckley Mayfield LLC in May of 1999. Since joining the Plumbing Department, he has performed calculations sizing water lines, sanitary lines, booster pumps, water heaters, mixing valves, medical gas systems, and fire protection systems based on Ohio Basic Building Codes, National Fire Protection Association, and local county and city codes. He has been lead plumbing engineer on several large projects including Kent State University Residential Dormitories, Marshall University Dormitories, Jackson Strausser Elementary School, Heartland Behavioral Health Campus, University of Akron Dormitories, and Huttonsville Correctional Center. These projects included multiple buildings on a campus setting with centralized mechanical equipment plants and utility distribution loops.

Mr. Varga is a member of the American Society of Plumbing Engineers.

**SCHEESER BUCKLEY MAYFIELD LLC  
PROJECT EXPERIENCE**

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***Huttonsville Correctional Institution  
Dormitory Addition and Fire Alarm Upgrade  
Huttonsville, WV***

Scheeser Buckley Mayfield LLC provided HVAC, plumbing, and electrical design for the renovation and expansion of two dormitory wings as well as expansion of fire alarm systems at Huttonsville Correctional Institution. Electrical design included lighting, power and systems for the new dormitory. This power design included the coordination of a new utility service as well as installation of backup power for the renovated dormitories. The backup power consisted of a new diesel generator near the dorms and automatic transfer switches/distribution to support the facility. Additional aspects to the design included rework of existing salleyport entrance to the facility, Security systems including door hardware set requirements were integrated into the design for the dormitory. Fire alarm systems for the renovated dormitories were connected to the facility wide fire alarm system via a fire alarm network. This facility wide campus network was upgraded in order to allow a fully integrated system which could be monitored at Master Control. A large number of fire alarm signaling devices (smoke detectors, heat detectors, pullstations, strobes, etc.) were added throughout the facility to ensure that the facility complied with current fire alarm code.

A new heating/cooling system was installed to replace the existing heating only system consisting of steam and condensate risers located throughout the resident areas. The new HVAC design includes multiple constant volume DX cooling rooftop air handling units to serve the new resident areas. The new air handling units do not contain heat, but are supplemented with hot water reheat coils located throughout the spaces. A steam to hot water heat exchanger with associated heating water pump and condensate pump located in the basement of each new resident wing provides the heating water for the reheat coils. The steam and condensate utilized in the new heating water system originate in the main mechanical room with services extended to the new resident wings. The design of the airside system includes security diffusers and grilles along with security bars located throughout the spaces at designated security walls. Due to limited spacing in the plumbing/HVAC chases for each resident room, coordination of mechanical, electrical, plumbing and fire protection services was critical.

***Huttonsville Correctional Institution  
Boiler Replacement  
Huttonsville, WV***

Scheeser Buckley Mayfield LLC provided electrical design associated with the installation of replacement boilers serving the facility. The electrical renovation included rework of an existing feeder and replacement of existing distribution in the boiler plant to support the new equipment. Lighting in the boiler plant was also replaced as part of the project.

***Ohio Reformatory for Women  
Central Food Service/Medical Facility***

Scheeser Buckley Mayfield LLC provided mechanical, electrical and civil design for a new 45,000 sq. ft. food service/medical building. The food service portion of this building was approximately 34,000 sq. ft. and housed a full kitchen and serving line. SBM incorporated low flow kitchen exhaust hoods for energy savings receiving a credit from the State Department of Energy. The medical portion of this building contained an infirmary, dentistry and other related healthcare services for the inmates. Civil design work included extending new sanitary sewer main, domestic water/fire line/gas main, and storm sewers to the proposed building site. Design included vandal proof castings and valve covers and reconstruction of existing roadways and sidewalk. Construction of this building is scheduled to start Spring 2003.

## **SCHEESER BUCKLEY MAYFIELD LLC PROJECT EXPERIENCE**

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### ***Kanawha County Schools Stonewall Jackson HVAC Upgrade***

Scheeser Buckley Mayfield LLC performed mechanical and electrical design services for HVAC renovations to the existing 180,000 square foot Middle School and associated 15,000 square foot Physical Education building. The project involved air conditioning the existing school, which was originally ventilated and heated only. The air conditioning system consists of an air cooled chiller with multiple fan coil units being used for individual temperature control. The chilled water system contains 40% propylene glycol solution, allowing the chiller to be run during colder months without the worry of freezing the chiller evaporator or draining the system. The classroom ventilation system consists of multiple 100% outdoor air handling units strategically sized and located to replace the existing ventilation units. The new ventilation units are capable of dehumidifying the outdoor air and are connected to the existing ventilation ductwork, minimizing the overall construction cost of the project. Space carbon dioxide sensors are utilized to ensure the ventilation units supply the minimum amount of outdoor air required for adequate ventilation, minimizing operating costs. Packaged rooftop units are also used in select office areas. The rooftop air handling units were isolated from the space below by locating the units over corridor areas where possible and also by providing a concrete isolation pad beneath the equipment to minimize fan noise and compressor noise transmitted to the spaces below. Boiler plant upgrades consists of the installation of three packaged heating water boilers to supplement the existing steam boiler plant. The Physical Education building HVAC system consists of multiple gas heating/DX cooling rooftop air handling units serving the gymnasium area. Duct mounted Carbon dioxide sensors are utilized to ensure the units supply the minimum amount of outdoor air required for adequate ventilation, minimizing operating costs.

Electrical upgrades included the design of the removal and replacement of the buildings main distribution panel. The distribution panel was increase in size to accommodate the new mechanical equipment. Coordination was required with the owner and local utility company to limit the power interruption required. In addition, the fire alarm system was extended for the new rooftop equipment shutdown.

### ***London Correctional Institution New Power Substation Improvement Columbus, OH***

The project includes the design and installation of a new 69 kV to 13.2 kV electric substation outside the facilities boundary fence. The new substation will be located in the existing well field. The old substation is scheduled to be torn down and removed under this project. The substation design is of the low profile type and include voltage regulators and automatic power factor correction capacitor banks. The installation of the regulators will help correct low voltage conditions the facility is experiencing. The substation will have two transformers with a secondary tie at the 13.2 kV level. One transformer would serve the London Facility and the second transformer would serve the Madison Facility. The substation secondary tie will permit feeding all substation loads in the event one of the transformers failed or was taken off line for maintenance. The design of the substation includes a 13.2 kv switchgear house to enclose the substation's 13.2 kV switchgear. This is being done to improve reliability and ease of maintenance of the substation's 13.2 kV switchgear. The design of the new substation will cover the extension of the existing 69 kV line to the substation as well as the installation of new 13.2 kV underground feeders to refeed the existing substation's London and Madison facility loads. The project will also include the design of a small section of underground ductbank so that a small section of 2400 volt, 3-phase overhead wiring that crosses over the perimeter fence can be placed underground. The project includes the design of two (2) new 13.2 kV electric services for the Police Academy and the BCI building that would be tapped off the existing Madison overhead feeder. Each service would have separate submetering.



## **SCHEESER BUCKLEY MAYFIELD LLC PROJECT EXPERIENCE**

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### ***Stevens Correctional Facility Welch, West Virginia***

The project consisted of converting approximately 100,000 square feet of former health care space into a 300 bed correction center. The HVAC system consisted of multiple packaged roof top units zone to provide zoning and a smoke removal system to provide the required floor pressurization along with the required ventilation for the kitchen. The domestic hot water system consisted of a centralized gas fired storage system with a master mixing valve assembly and a recalculating pump. The electrical system included a diesel generator providing back up power for all Life Safety systems and for the building HVAC system.

### ***West Virginia Department of Corrections Pruntytown New Standby Generator***

The project included the design of a new 12.47KV service drop, medium voltage padmount switchgear, medium voltage transfer switch, generator padmount transformer, and a 750KW, 480V, 3 phase diesel generator set with walk-in enclosure having a belly mounted fuel tank. The system designed replaced the facilities' existing 12,47KV service with a new system that provides generator back-up power for the entire facility. The system was designed to maximize system reliability and maintainability by the use of 12,47KV circuit protective devices to permit bypassing and isolating the automatic transfer switch while providing power to the facility from utility power or from the generator. The system was designed to provide remote monitoring of the generator set and fuel supply from the facilities' security control center. The design included provisions for the connection of a portable 480V load bank for generator testing.

### ***Stark County Safety Building Minimum Security Jail***

Designed indoor and outdoor lighting, power distribution, and miscellaneous communications systems for a new minimum security jail addition. Work included designing a new 800 amp feeder from the existing electric service equipment to supply the new addition. Developed a construction phasing plan for tying in the new feeder while maintaining availability of emergency power to the rest of the facility during the tie in. Extended existing fire alarm and miscellaneous intercom and communications systems throughout the new addition.

### ***Youngstown State Penitentiary Recreation Additions***

Scheeser Buckley Mayfield LLC provided mechanical, electrical and civil design services for eight new outdoor recreation pods. Design included exercise areas, security cameras, intercom stations, power distribution additions and eight new elevators for transport of in-mates at this maximum security facility.

### ***West Virginia Department of Corrections Mt. Olive Command & Training Center***

Scheeser Buckley Mayfield LLC provided mechanical, electrical, plumbing and fire protection design services for this 4,000 sq. ft. training center. The project included an open area for group training as well as support spaced including offices, storage areas, command center and an armory area.

**SCHEESER BUCKLEY MAYFIELD LLC**  
**PROJECT EXPERIENCE**

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***Marshall University  
Twin Towers Dormitory  
1999 Core Ventilation and  
Fire Protection Upgrade***

SBM was retained as the lead design professional to engineer the upgrade to the Twin Towers core ventilation system and to sprinkle floors two through fifteen in both towers. This project, like all other Marshall University dormitory projects on which SBM was the lead design professional, required that the project be held rigidly to both the established budget and the established design and construction schedule in order for the project to be successful. This particular project had a very short construction window during the summer of 1999 in which all of the work had to be completed before the start of the fall 1999 school year. Essentially, the work needed to be 100% complete no later than the middle of August, 1999. The work also needed to be sequenced with on-going events that were scheduled to take place in the Twin Towers Dormitory over the summer of 1999. This project was both a budgetary and scheduling success. This project was also a success from an installation and functionality standpoint.

The HVAC portion of the project consisted of removing the existing supply fan and exhaust fan which furnished make-up air and exhaust air to the shower rooms, toilet rooms and laundry on floors two through fifteen in the Twin Towers. A new HVAC system was designed to provide tempered and dehumidified air to these core areas of the building. The air handling equipment was designed and pre-purchased by the University with installation specified to be by the contractor. The HVAC equipment is located on the roof of the Twin Towers building which is 165 feet above street level. The equipment was specifically designed to be shipped in multiple sections to allow the equipment to be rigged into place with a 500 ton crane which was locally available. The air handling equipment used two plate frame heat exchangers to provide "neutral" air to the core areas of the building. A technical feature utilized was the use of hot gas reheat to temper the dehumidified air up to approximately 72 degrees F.

The fire protection portion of the project involved high level discussions with the West Virginia State Fire Marshall to firm up the approach for the sprinkling of the Twin Towers. The end result of these discussions resulted in an agreement being reached, wherein a sprinkler system was designed for the Twin Towers but the existing standpipe system was not upgraded. This up front discussion with the authority having jurisdiction resulted in the University saving approximately \$500,000 because a fire pump and associated stand-by generator were not required. The fire protection construction work consisted of the following elements:

The installation of a new 6" fire service entrance.

The installation of a new 6" fire service riser up through the core of each tower.

The University elected to bid as a deduct alternate the use of PVC fire protection piping for the smaller branch piping to be installed on each floor level. The deduct price to use the CPVC fire protection piping was significant and it also resulted in significant time savings during the installation. The University elected to accept the deduct alternate and to use the CPVC fire protection piping for the fire protection piping on floors two through fifteen.

**STEVEN SCHAEFER ASSOCIATES, INC.**  
**Consulting Structural Engineers**

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Steven Schaefer Associate's knowledge of building codes allows us to select the most appropriate design parameters for optimal structural efficiency and performance, to meet your budget, and avoid excessive construction costs. Clear and well-detailed construction documents take time up front but result in lower construction bids, fewer change orders and faster construction.

We have worked on many LEED® certified projects, providing design options to our clients that offer different levels of sustainability. Our priority is getting involved in the process as early as possible – allowing for integrated design, early definition of the owner's goals, and the level of certification they wish to achieve. From a structural standpoint, we look at the percentage of recycled steel, concrete options, and other available sustainable materials to achieve the owner's LEED® goals. Our internal efforts include technical office meetings to review green materials and design options, recycling programs, and Green Binders to all staff which contain frequently updated materials on the structural aspects of LEED® design.

Our firm has invested extensively in Revit® technology. We have a dedicated, trained team of engineers and detailers that are able to provide 3-D designs in Revit® and contribute to a building information modeling (BIM) project that includes all components and team members.

Founded in 1976, our firm is licensed in every state with thirty-six engineers and a drafting staff of sixteen. We've seen our size grow along with our experience, knowledge and capabilities – giving us the ability to meet your deadlines and the flexibility to respond to change. We have earned a reputation for providing quality documents for projects ranging from simple to complex building structures and provide all aspects of structural engineering – planning, design, inspection, investigation.

Steven Schaefer Associates...We design solutions.



James R. Miller,  
P.E., S.E.  
President



Edward W. Schwieter,  
P.E., S.E.  
Vice President,  
Technical Leader



J. Greg Sliger,  
P.E.  
Principal, Team  
Leader



Steven E. Schaefer,  
P.E.  
Chairman of the  
Board



Mike A. Ciprian,  
P.E.  
Team Leader



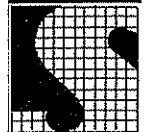
Robert C. Rogers,  
P.E.,  
S.E.  
Team Leader



Greg J. Riley,  
P.E.  
Team Leader



John R. Ashbaugh,  
P.E.  
Team Leader



**J. GREGORY SLIGER, P.E.**  
Principal, Team Leader

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Joined Steven Schaefer Associates in 1998

**Previous Position:**

Lantz Jones & Nebraska, Inc.  
Project Engineer, 1980 - 1998

**Education:**

MS Civil Engineering University of Cincinnati (1980)  
BS Civil Engineering University of Cincinnati (1979)

**Registrations:**

Ohio, Kentucky, West Virginia, Texas, Utah

**Affiliations:**

American Society of Civil Engineers, American Institute of Architects – West Virginia, American Concrete Institute, Concrete Reinforcing Steel Institute, Structural Engineers Association of Ohio

As team leader, Mr. Sliger oversees the work of his entire technical team. In this role, he has worked on projects of varying sizes, complexity and materials. He both contributed to the structural design and acted as the Project Review Engineer on all of the following projects.

**Experience:**

**Kanawha County Schools Renovation Projects - Kanawha County, WV**  
Auditorium Renovations at five area high schools and Addition and Renovations to Horace Mann Middle School.

**Marshall University Robert C. Byrd Biotechnology Science Center - Huntington, WV**  
The Center will house 144,000 sq ft of laboratory spaces, offices for faculty and staff, two auditoria, animal holding rooms, and support services.

**Marshall University Student Housing - Huntington, WV**  
Student housing and dining complex with housing for 500 students and dining facilities for 300. Student housing is provided in four, 4-story residence halls enclosing approximately 160,000 sq ft. The residence halls are framed with precast concrete floor plank bearing on concrete masonry walls. The roof of the dining facility is framed with steel joints and beams bearing on concrete masonry walls and steel columns.

**Marshall Clinical Outreach & Education Center - Huntington, WV**  
This 5-story building and adjacent parking structure expands the teaching space and services currently offered by the School of Medicine by 80,000 sq ft.

**Marshall University Forensic Science Center - Huntington, WV**  
Two-story 8,000 sq ft addition to the existing 1-story masonry Forensic Science Center. Structure is a steel frame enclosed with precast concrete wall panels, glass, and aluminum curtainwall. Foundation system consists of shallow spread footings.

**Marshall University Erikson Alumni Center - Huntington, WV**  
This planned 3-story 22,000 sq ft building will include a large 200-seat meeting room that can be subdivided into three smaller rooms, and an open terrace on the 3rd floor.





Education:

BS Civil Engineering University of Cincinnati (1991)

Registrations:

Ohio, Indiana, Kentucky, Michigan

Affiliations:

International Concrete Repair Institute  
American Institute of Steel Construction  
Structural Engineers Association of Ohio

Eric has been with Steven Schaefer Associates for ten years and works on a variety of our larger projects including hotels, schools, retail chains, and commercial properties. Eric leads a team of dedicated engineers and drafters, acting as both project manager and mentor. He is exceptional in his recommendation of the best structural systems for our client's visions – including creative ways to build, cost savings and overcoming challenges. Eric plays a vital role on every development team with his attention to detail and collaboration with all team members.

Experience:

**Montgomery Elementary School** – Montgomery, OH

**Stewart Elementary / Princeton City Schools** – Cincinnati, OH

**Sharonville Elementary** – Cincinnati, OH

**Evendale Elementary** – Cincinnati, OH

**Felicity High School** – Cincinnati, OH

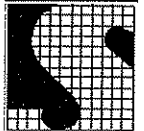
**Kroger Stores** – Ohio, Kentucky, Indiana, Michigan, Illinois

**La-Z-Boy Stores** – Beavercreek, OH

**Long Cove Bridge** – Cincinnati, OH

**Glenwood Gardens** – Woodlawn, OH

**Hilton Garden Inn** – Gulfport, MS





Education:

BS Civil Engineering University of Cincinnati (2001)

Registrations:

Ohio, Kentucky (pending), West Virginia (pending)

Affiliations:

American Society of Civil Engineers (currently Secretary),  
American Institute of Steel Construction

Experience:

Marshall University Robert C. Byrd Biotechnology Science Center – Huntington, WV  
The Center will house 144,000 sq ft of laboratory spaces, offices for faculty and staff, two auditoria, animal holding rooms, and support services.

Kings Daughters Cardiac / The Heart and Vascular Center – Ashland, KY  
The \$43.5 million five-story center is the third phase of a major expansion of the KDMC in Ashland, KY. The Cardiac Services Building has a foot print of approximately 40,000 sq ft per floor with a total of 200,000 sq ft for the first five floors. The steel frame has been designed and can be expanded to 10 floors for a total of 400,000 sq ft.

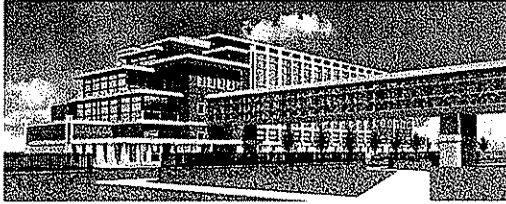
Kings Daughters Medical Center – Medical Plaza Building B – Ashland, KY  
This medical office building has a foot print of approximately 19,000 sq ft. Four floors were constructed initially, but the building frame has been designed for the potential addition of six additional floors enclosing approximately 114,000 sq ft for a total of 190,000 sq ft.

TMH Medical Office Pavilion – South Charleston, WV  
A new five-story 86,000 sq ft medical office building with a two-story 17,000 sq ft wing connecting to the existing hospital. Provisions were made for a future five-story clinical wing adjacent to the medical office building.

University of Cincinnati Physicians Medical Office Building – West Chester, OH  
Structural design of a new 80,000 sq ft three-story medical office building. The building is part of a 75-acre medical service campus and commercial development complex.



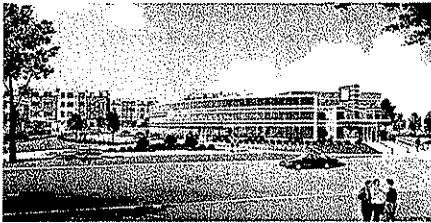
**MARSHALL UNIVERSITY ROBERT C. BYRD BIOTECHNOLOGY SCIENCE CENTER**  
– Huntington, WV



Steven Schaefer Associates provided the structural design for this facility that includes 144,000 sq ft of laboratory space, offices for faculty and staff, two auditoria, animal holding rooms, and support services. HVAC equipment is housed on a penthouse level and on an interstitial floor between the first and second

floors. The building is framed with composite steel beams, girders and steel columns. Braced frames and moment frames resist all lateral loads. A deep foundation system consisting of reinforced concrete drilled shafts is utilized. A 200 ft long pedestrian bridge connects the building to the existing science building across the street.

**MARSHALL UNIVERSITY STUDENT HOUSING** – Huntington, WV

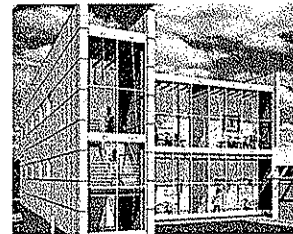


Steven Schaefer Associates provided the structural design for this student housing and dining complex containing housing for 500 students and dining facilities for 300. Student housing is provided in four, four-story residence halls enclosing approximately 160,000 sq ft. The residence halls are framed with precast concrete floor plank bearing on concrete

masonry walls. The roof of the dining facility is framed with steel joints and beams bearing on concrete masonry walls and steel columns. Mechanical, electrical and plumbing systems are contained in a basement mechanical room and in a deep rooftop well above the dining facility.

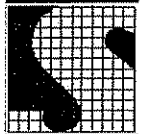
**MARSHALL UNIVERSITY FORENSIC SCIENCE CENTER** – Huntington, WV

We provided the structural design for this two-story 8,000 sq ft addition to the existing one-story masonry Forensic Science Center. The structure is a steel frame enclosed with precast concrete wall panels, glass, and aluminum curtainwall. The foundation system consists of shallow spread footings.



**MARSHALL CLINICAL OUTREACH & EDUCATION CENTER** – Huntington, WV

The CEOC provides Marshall University with an additional 80,000 sq ft of space. This four-story building and adjacent parking structure will expand the teaching space and services currently offered by the School of Medicine. The floors and roof of the building are framed with steel beams and girders with a composite concrete slab. Lateral stability for the building frame is provided by moment-resisting steel frames and by reinforced concrete shafts at the stairs and elevators. The adjacent one-level parking deck is a cast-in-place, post-tensioned concrete structure.



**KING'S DAUGHTERS MEDICAL CENTER OUTPATIENT IMAGING CENTER –**  
Ashland, KY

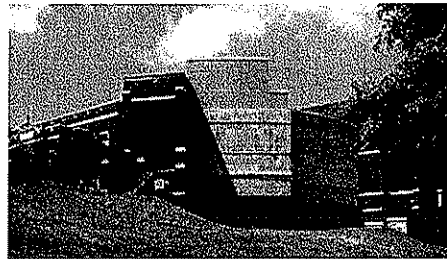


Steven Schaefer Associates provided the structural engineering for this \$7 million facility whose futuristic design illustrates the space-age technology available inside. The center is a two-story, 20,000 sq ft building with a steel frame that is designed to accommodate an additional three floors. A composite steel beam and concrete slab system frame the elevated floors. The curved accent wall is a steel tube frame infilled with cold-formed metal framing.

Aluminum sun screens on the west-facing wall and lobby wall are attached to a continuous steel tube on the edge of the elevated slabs. Lateral loads are resisted by reinforced concrete shear walls at the stairs and elevators, and by steel strut braces. Poor soil conditions and large column loads necessitated the use of an augercast pile foundation system.

**EDWIN A. MALLOY EDUCATION BUILDING –**  
Cincinnati, OH

The Jewish Foundation of Cincinnati International Learning Center is a new facility with two integrated components: a lecture hall, and a graduate seminar room. The lecture hall is a classroom with seating for up to 100. The classroom is equipped to handle satellite transmission and receiving capabilities,



enhanced interactive video projection and sound systems, a large video monitor, telephone, fax line, and high-speed internet access. The exterior of the building is stone veneer, curved and cantilevered from the floor structure. At the back of the building is an office suite deck with cantilevered sun screens.

**XAVIER UNIVERSITY SCIENCE CENTER / CARL H. LINDNER PHYSICS BUILDING, ALBERS HALL AND LOGAN HALL –** Cincinnati, OH

Steven Schaefer Associates provided the structural engineering for the \$8.8 million Carl H. Lindner Family Physics Building and the renovation of Albers Hall and Logan Hall biology and chemistry buildings. The three-story, 24,000 sq ft physics building utilized a composite concrete structural steel framing system for economy and ease of future modifications. The renovated buildings were four-story concrete frames with improvements that included: a new basement level connector, new elevator, new stairway for handicap access and code exit requirements, an animal care and research facility, and a movable motorized roof skylight for a top story observatory.





**STEVEN SCHAEFER ASSOCIATES, INC.**  
**SCHOOL PROJECT EXPERIENCE**

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**MONTGOMERY ELEMENTARY SCHOOL – Montgomery, OH**

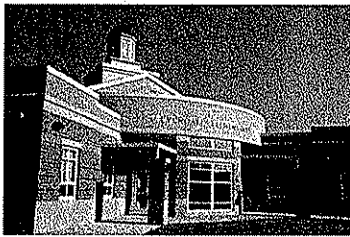


This elementary school consists of two- and three-story classroom pods totaling 54,400 sq ft, a 9,800 sq ft gymnasium/cafeteria, and a 4,500 sq ft media center. Exposed specialty roof trusses were designed with web members forming a monogram "M" over the gymnasium/cafeteria. Center of the building contains a monumental staircase cantilevered from a single center column.

**CHEVIOT ELEMENTARY ADDITION / RENOVATION – Cincinnati, OH**

This Cincinnati Public School (CPS) and Ohio Schools Facility Commission (OSFC) project includes renovation of the original classroom building built in 1924 and the design of a new 58,000 sq ft school addition that includes a cafeteria, gymnasium and an L-shaped, two-story classroom wing. Steel bar joists are used for both the elevated structural floor system and flat roofs, while pre-engineered light gage metal trusses are used for the gabled roof elements. The unique skews, sloping site and large open foyers provided challenging opportunities for the structural detailing.

**EVENDALE ELEMENTARY – Evendale, OH**

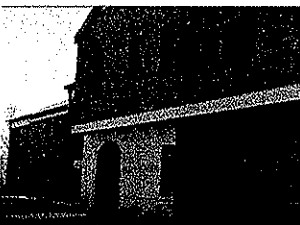


This \$10 million single-story 54,000 sq ft elementary school has a main structural system of reinforced load bearing masonry walls for durability and insulating value. These walls support light gage metal roof trusses and rest on shallow spread footings. The gym and cafetorium areas have specially designed hot rolled steel roof trusses to accommodate large spans and open areas. Photo compliments of Evendale Elementary.

**MADEIRA ELEMENTARY SCHOOL – Madeira, OH**

This \$9.3 million 70,000 sq ft elementary school consists of a 20,600 sq ft per floor, two-story classroom wing, and a single-story structure housing administration, specials classrooms, media center, cafetorium, and a 5,000 sq ft gymnasium. The main entry contains a limestone arch entry into a courtyard.

**MADEIRA MIDDLE SCHOOL – Madeira, OH**



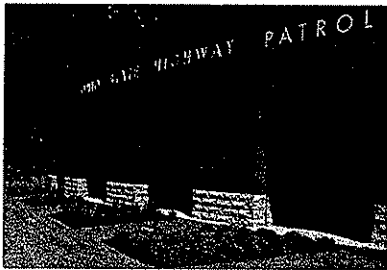
The \$9 million 74,000 sq ft middle school building consists of a 23,100 sq ft per floor, two-story classroom wing with media center and administration offices. A single-story structure houses specials classrooms, cafetorium, and a 7,500 sq ft gymnasium. The main entry features limestone arches and a circular window.

**MADEIRA HIGH SCHOOL – Madeira, OH**

This \$5 million single-story 12,600 sq ft high school addition contains classrooms, administration, and a new main entry. The new main entry features full height curtain wall and a cantilevered canopy. Renovation of the existing high school building consisted of structural support for new mechanical systems, and misc. modifications to existing walls and structure.



**OHIO STATE HIGHWAY PATROL POST # 8 – Georgetown, OH**



This single-story 6,200 sq ft facility includes offices, conference rooms, dispatch, garage, public meeting space, and employee locker rooms. This facility incorporates the latest dispatch and facility management technologies. Construction is sloped metal roof on steel bar joists and steel beams, supported by interior steel columns and exterior load bearing masonry walls. A curved accent wall highlights the front of the building and provides support for an extended entrance canopy.

**CINCINNATI COMMUNICATIONS CENTER / RENOVATION – Cincinnati, OH**

The existing two-story office and warehouse facility was renovated into an emergency operation and 911 call center. The operations center combines police, fire and public health officials. The new use of the building changed the classification to an essential facility and required checking the existing lateral system for new seismic and wind loads. An 8,500 sq ft steel framed extension was added to the second floor area for the command center.

**LEBANON POLICE STATION / DISPATCH ROOM RENOVATION – Lebanon, OH**

Overall, this building is approximately 6,000 – with modifications to about one fourth of the building. Modifications to the dispatch and reception areas include creating new openings in the existing walls, adding CMU walls, and infilling existing openings in floor slabs and roof framing.

**WEST CHESTER MUNICIPAL SAFETY & SERVICES CENTER / RENOVATION – West Chester, OH**

Renovating the existing single-story pre-engineered metal building into a police department facility to include county court facilities, cells for prisoners, a highway department with indoor equipment storage, exterior salt storage, and enclosed parking. We reviewed the existing structure for new loading, providing design and details for the new self-supporting concrete masonry unit walls and entryway canopies, and needed modifications to the existing structure.

**ERLANGER CITY BUILDING – Erlanger, KY**



This single-story 10,600 sq ft addition to the existing city building houses the fire, police, and administration offices as well as the courtroom. The courtroom is designed using curved steel framing for the chamber roof and clerestory windows along the front wall. Clerestory windows were added to the existing building along the front where the police offices and vestibule are located in order to create a smooth transition from the existing areas to the new addition. Three canopies were added to the entrances using exposed steel tree-shaped columns. Using brick veneer, a 45 ft tall decorative masonry tower was incorporated into the design to illuminate the building from above.

