

West Virginia Schools for the Deaf and the Blind

Architectural & Engineering Services

Administration & Central Boiler Buildings

Romney, WV

RFQ No. DBSM91057



RECEIVED

2009 APR 16 A 8:12

PURCHASING DIVISION
STATE OF WV



April 15, 2009

Ms. Shelly Murray
State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, West Virginia 25305-0130

Re: RFQ #DBSM91057
Expression of Interest
School for the Deaf & Blind
Romney, West Virginia
Professional Architectural/Engineering Services

Dear Ms. Murray;

Ammon Heisler Sachs Architects, P.C. (AHSa) would like to express our interest in your project and respectfully request our inclusion in the bid process.

Four (4) copies of our Expression of Interest are enclosed.

Please contact me if you have any questions or need additional information.

Thank you for your consideration of our firm.

We look forward to hearing from you.

Sincerely;

AMMON HEISLER SACHS architect, PC

A handwritten signature in black ink, appearing to read 'JLH III'.

Joseph L. Heisler III, AIA

Principal

Enclosure

AMMON HEISLER SACHS ARCHITECTS, PC

345 North Charles Street, Baltimore, MD 21201 410-752-3510 office 410-752-8358 fax



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

Request for Quotation

RFQ NUMBER
DBSM91057

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
SHELLY MURRAY
304-558-8801

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

AMMON HEISLER SACHS architects, PC
 345 North Charles St
 Baltimore, MD 21201
 Attn: Joseph L. Heisler III, AIA

SHIP TO

SCHOOL FOR THE DEAF & BLIND
RECEIVING DEPARTMENT
301 EAST MAIN STREET
ROMNEY, WV
26757-1894 304-822-4810

DATE PRINTED 04/02/2009	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
BID OPENING DATE: 04/16/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
EXPRESSION OF INTEREST THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA SCHOOLS FOR THE DEAF AND BLIND, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL/ENGINEERING SERVICES FOR A BUILDING EVALUATION STUDY ON THE ADMINISTRATION BUILDING AND THE CENTRAL BOILER BUILDING PER THE ATTACHED.						
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.						
BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.						
NOTICE						
A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE (410) 752-3510 x103	DATE April 15, 2009
TITLE Principal	FEIN 26-1284694	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER:
DBSM91057

PAGE:
2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**SHELLY MURRAY
 304-558-8801**

VENDOR RESPONSE

RFQ COPY
 TYPE NAME/ADDRESS HERE
AMMON HEISLER SACHS architects, PC
 345 North Charles St
 Baltimore, MD 21201
 Attn: Joseph L. Heisler III, AIA

SHIP TO

SCHOOL FOR THE DEAF & BLIND
 RECEIVING DEPARTMENT
 301 EAST MAIN STREET
 ROMNEY, WV
 26757-1894 304-822-4810

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
04/02/2009				

BID OPENING DATE: **04/16/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
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:				SHELLY MURRAY		
RFQ. NO.:				DBSM91057		
BID OPENING DATE:				04/16/2009		
BID OPENING TIME:				1:30 PM		
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: (410) 752-8358						
----- CONTACT PERSON (PLEASE PRINT CLEARLY): Joe Heisler -----						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE (410) 752-3510 x103	DATE April 15, 2009
TITLE Principal	FEIN 26-1284694	ADDRESS CHANGES TO BE NOTED ABOVE

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

Ammon Heisler Sachs architects, PC would like to express our interest in providing building evaluations and full architectural and engineering design services for the "Administration and Central Boiler Buildings" in Romney, West Virginia.

TEAM:

Ammon Heisler Sachs architects

Project Management, Architecture

Century Engineering

Site Design, Civil, Structural, Mechanical & Electrical Engineering

With our project experience, personnel, and approach to projects we feel AHSa is uniquely qualified to design your project. Please refer to the following sections for information on each team member.

Our design philosophy focuses on the Client's needs, so we are designing **your** building, not ours. We pride ourselves on listening to the Client, as well as including the Owner, the End Users and the Facility Managers. We have vast experience designing projects with multiple "clients".

RELEVANT PROJECTS:

AHSa, Century Engineering and the personnel who will be assigned to your project have completed the following relevant projects, in addition to numerous others:

- National Federation of the Blind Headquarters Building, Baltimore, Maryland
- Care Center Building Evaluation and Exterior Envelope Leak Correction: Johns Hopkins Hospital – Bayview Campus, Baltimore, Maryland
- Helping Up Mission 1028 Baltimore Street, Baltimore, Maryland – Existing Building Evaluation, Master Planning and complete Renovation for New Uses
- Helping Up Mission 1032 Baltimore Street, Baltimore, Maryland– Existing Building Evaluation and Master Planning
- University of Maryland Center for Environmental Sciences, Truitt Laboratory Addition, Solomons, Maryland
- Mercy Medical Center, Baltimore Maryland - Existing Facilities Survey and Documentation
- Johns Hopkins School of Medicine, Baltimore, Maryland – Campus Wide Existing Building Survey and Documentation

DESIGN PHASES:

Our Team will work together throughout the Design and Construction Documents phases to provide a **complete, coordinated and buildable** set of documents.

We will be available to assist you in putting together the bid documents, as well as reviewing and evaluating Contractor bids. Our Team is seasoned and quick to find potential savings and possible scope gaps in the bids. We are experienced in evaluating bids in today's extremely volatile construction market.

While we have experience in all types of construction contract scenarios, we prefer the General Contractor approach. Ammon Heisler Sachs architects, PC has a full time Construction Administration Manager, and procedures in place for tracking all aspects of the construction process.

SERVICE:




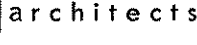















Our Team prides itself on being able to complete projects on schedule. All Team Members have the resources available to produce and serve this project from Programming through Construction Administration.

While our offices in Baltimore may not be located near the project, Century's main office is located in nearby Elkins. We are all experienced with projects that require travel and have no problems travelling to Romney or the site as needed. With today's technology we are communicating and meeting electronically more and more, even on projects in our own backyard. We are able to exchange drawings as .PDF's through e-mail and FTP sites. Most Contractors today have access to the internet from the project site.

If requested or required our Team has the demonstrated ability to produce LEED Certified projects. Even if LEED Certification is not required for a project we incorporate many sustainable design concepts in every project.

We hope to have the opportunity to meet with you in the future to present our Team.

Team Organization

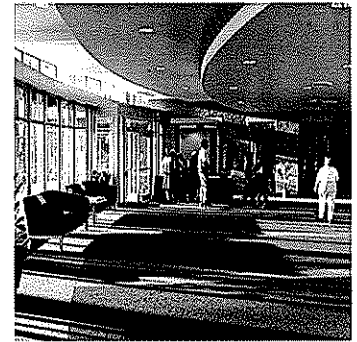
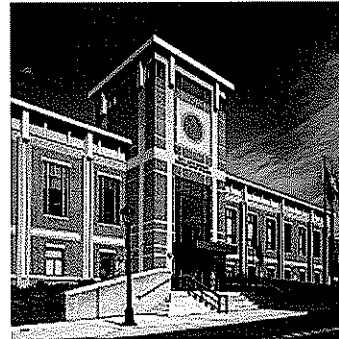
	Programming	Site Analysis	Architecture	Interior Design	Site Planning	Civil Engineering	Structural Engineering	Mechanical Engineering	Electrical Engineering	Plumbing Engineering	Bidding / Procurement	Construction Administration
  AMMON HEISLER SACHS  												
												

Firm Overview

Ammon Heisler Sachs architects, P.C. (AHSa) provides excellence in architecture. Experienced, **skilled professionals** use creative design solutions, programming, planning and design charrettes to realize superior functionality and aesthetics in our designs. This creates an **environment that promotes safety, health and satisfaction for our clients.**

Ammon Heisler Sachs architects, P.C. was founded in September of 2007 by David Ammon, Joseph Heisler and Harold Sachs. In January of 2008 AHSa acquired John A. Ammon + Associates, Inc. When founding John A. Ammon + Associates, Inc. in 1991, John Ammon, formally of Kann & Ammon, Inc. brought 25 years of experience. Our team's design experience encompasses millions of square feet in built facilities and a multitude of feasibility studies. With projects **ranging from Research & Technology to Senior Living & Healthcare to Justice**, our team's diverse awareness creates a responsive design solution for our clients.

Headquartered in the heart of Baltimore, Maryland on historic Charles Street, the firm's design team is comprised of experts in each sector. By cultivating an atmosphere of teamwork, personal development, enjoyment, and fulfillment, **AHSa has developed a unique corporate culture** aimed at fostering long term client relationships that are the result of providing excellence in every aspect of professional services.



Professional Services

- | | |
|-----------------|-----------------------------|
| Architecture | Project Management |
| Interior Design | Construction Administration |
| Site Selection | Facility Assessments |
| Master Planning | Feasibility Studies |
| Programming | ADA Compliance Surveys |
| Space Planning | LEED Certification |

Awards and Special Recognition

Project	Award/Special Recognition
1. J. Louis Boulbitz District Court Building	Hagerstown Preservation Outstanding Infill Project
2. Robert F. Sweeney District Court Building	AIA - Committee on Architecture for Justice Award
3. Old Cumberland & Pennsylvania Railroad Preservation	Maryland Historical Trust Project Award
4. Baltimore City Courthouse	Baltimore Heritage Preservation Award
5. Lovely Lane United Methodist Church	Baltimore Heritage Preservation Project Award
6. Paca Pratt Office Center Renovation	National Association of Industrial Office Properties Maryland and DC Chapter – Excellence Award
7. Baltimore City Courthouse Art Glass Dome	Building Congress Craftsmanship Award
8. Timonium Crossing	AIA Baltimore Honor Award
9. Garrett Building Building	Congress Craftsmanship Award
10. First and Franklin Street Church	National Engineering Council Honorable Mention
11. First and Franklin Street Church	Maryland Engineering Council First Honor Award

References

Health Care

Judith Weiland
Mercy Health Services
200 Saint Paul Place
Suite 2400B
Baltimore, MD 21202
(410) 332-9267

Judith Fortin
Mercy Health Services
Senior Director, Capital Projects
200 Saint Paul Place
Suite 2400B
Baltimore, MD 21202
(410) 332-9523

Charles Fraim
Director of Plant Operations
Maryland Masonic Homes
410) 527 - 1111

Dennis Kephart
Senior Director, ISS - Facilities Management
Franklin Square Hospital
(443) 777-7254

Banking

John Dillon
Vice President
M&T Bank – Real Estate Development
(410) 949-3222

Andrew Bigler
Assistant Vice President
Middleburg Bank – Real Estate
(703) 737-3498

General Contractors

William Shade
President
Shade Construction Company
(410) 665-5300

Jeffrey Brown
Jeffrey Brown Contracting, LLC
400 E Joppa Road, Suite 400
Towson, Maryland 21286
(410) 339-5733

Jim Owens
Vice President
The Whiting Turner Contracting
Company, Inc.
(410) 337-2304

Scott Carver
Manager of Business Development
Southway Builders, Inc.
(410) 332-4134

Corporate & Commercial

Mario Villa Santa
President
V-3 Group Developers
(410) 539-1085

Fred Melby, AIA
Main Street Design Group, Inc.
(410) 707-8194

Research & Technology

Nancy Jones
University of Maryland Center
for Environmental Science
(410) 228-9250 ext 603

Dr. Marc Maurer
President
Jacobus tenBroek Memorial Fund -
National Federation of the Blind
(410) 659-9314

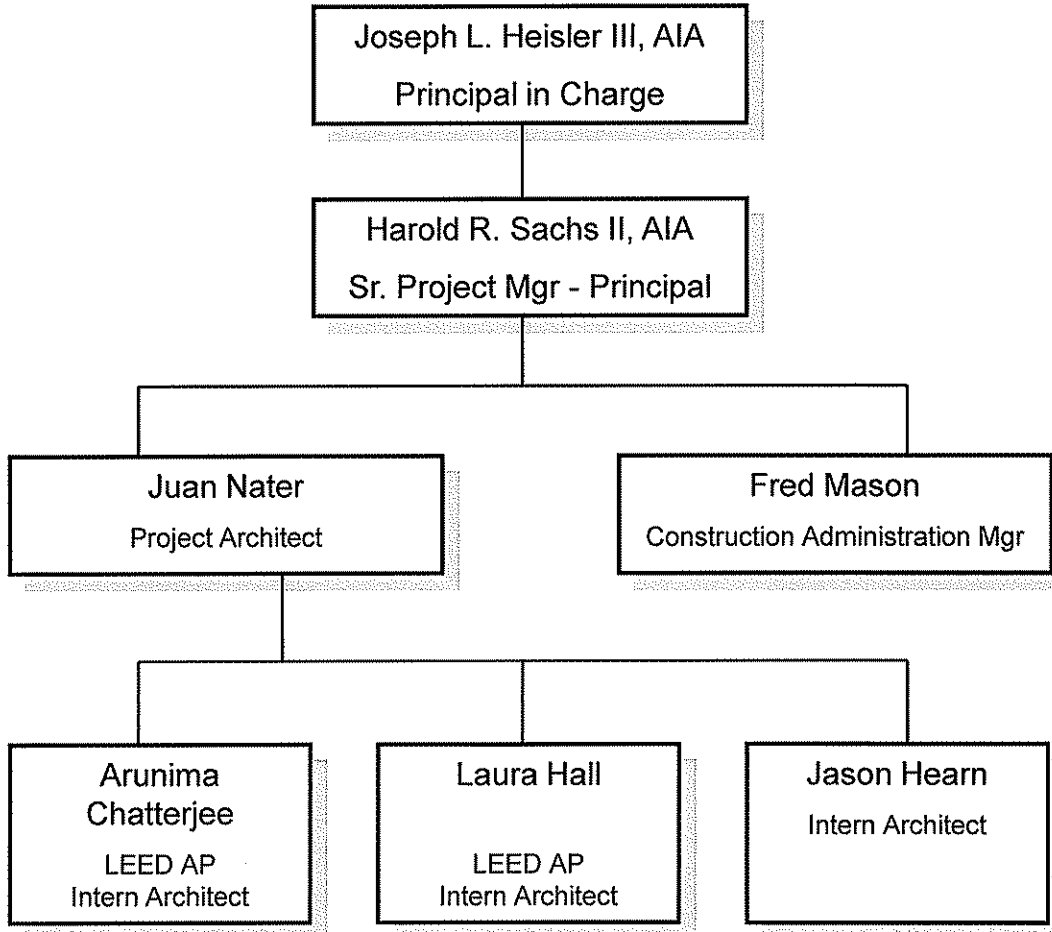
Experience Matrix	Commercial Projects						
	New Construction	Addition	Renovation	Facade Renovation	Tenant Fit Out	Studies / Planning	
Office							
Corporate Center I - Tenant Fitout							
Corporate Center II							
Dorsey Commons							
ICAT							
Lakefront North - Condo Layouts							
Patrick Communications							
Patuxent Center - Condo Layouts							
M&T Bank - 25 South Charles Street							
M&T Bank - West Chesapeake							
Middleburg Bank Corporate Headquarters							
Banking							
M&T Bank - 28 Year Relationship							
M&T Bank - 40+ Branch Bank							
M&T Bank - Perry Hall - To be submitted for LEED Certification							
Middleburg Bank - Warrenton							
Middleburg Bank - Junction Plaza							
Middleburg Bank - Ft. Evans II - To be submitted for LEED Certification							
Middleburg Bank - Branch Prototypes							
Middleburg Bank - Cornerstone							
Warehouse / Industrial							
Fairfax Recycling - Kit Kat Rd - Pre-Engineered							
Hollander 95 - Bldgs 39&40 - Tilt Up							
Hollander 95 - Site& Conceptual Design							
Howard Business Park - Lot#5 Bldgs #1-#5 - Tilt Up							
Parkside Bldg #1 - 2 Story Condominium Tilt Up							
Parkside Bldg #2 - Single Tenant Tilt Up							
Hospitality/Lodging							
Greystone Restaurant - Columbia							
St. Margarets School - Residence Hall							

Experience Matrix

Commercial Projects

	Commercial Projects					
	New Construction	Addition	Renovation	Facade Renovation	Tenant Fit Out	Studies / Planning
Retail						
140 Crossing Shopping Center				■		
801 Goucher Retail Center - Conversion to Big Box Retail	■		■	■		■
Chesapeake Square Shopping Center				■		
Chestnut Hill Shopping Center - Facade Renovations				■		
Westminster Crossing West			■	■		
Westminster Crossing West - Gavigan's					■	
Laurel Park Shopping Center				■		
Pikesville Saving Center			■	■	■	■
Waugh Chapel - Chipotle	■					
Westminster Crossing West - Superfresh			■	■		
York Village Shopping Center				■		
Waugh Chapel - Ritz Camera	■					
Westminster Crossing East		■			■	
Automotive						
Antwerpen Kia - Rt 40 - Interior & Entry Renovations			■	■	■	
Antwerpen Security Nissan		■	■	■	■	■
Capitol Buick/Pontiac/GMC	■					
Capitol Hummer	■	■				
Coleman Cadillac			■			
Coleman Toyota			■			
Heritage Chrysler - Harford Road			■			
Heritage Chrysler Jeep Dodge - Owings Mills		■	■	■	■	■
Heritage Collision Center - Harford Road			■			
Heritage Honda - Westminster - 3 buildings		■	■	■	■	■
Heritage VW - Harford Road	■					
Jim Coleman Jaguar/Land Rover	■					

Project Staffing Chart



Joseph L. Heisler III, AIA
Principal

Principal in Charge / Quality Control / Quality Assurance / Architect



Quality. Quality. Quality is the directive guiding the service, design and review of projects under Joe Heisler's domain. Having over 21 years of professional experience with a wide range of project types and clients, Joe can truly say; he has been there, done that. With that level of expertise, his contribution to each project is essential to its success and is one of the reasons many of the firm's clients are repeat clients. As a Principal and Senior Project Manager, Joe is **involved in all aspects of the project** from feasibility studies and programming through the production of construction documents and specifications to construction observation, and post construction services.

As the firm's Quality Assurance Director he advises the staff, sets quality standards and reviews documents for compliance to these standards. His **attention to detail** and ability to visualize building systems in three dimensions has directed the firm's Quality Assurance Program to include all building disciplines.

Joe has completed several Hospitality Projects in addition to his numerous Healthcare and Retail/Commercial experience.

EDUCATION

University of Virginia
 Bachelor of Science 1986
 Master of Architecture, 1988

YEARS OF EXPERIENCE

21 Years

PROFESSION

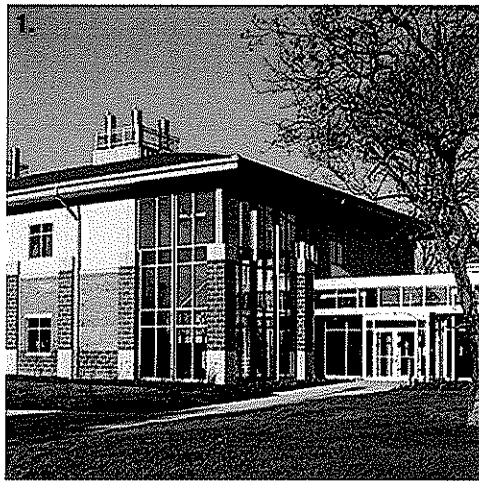
Registered Architect
 Maryland #9093
 West Virginia #4106

AFFILIATIONS

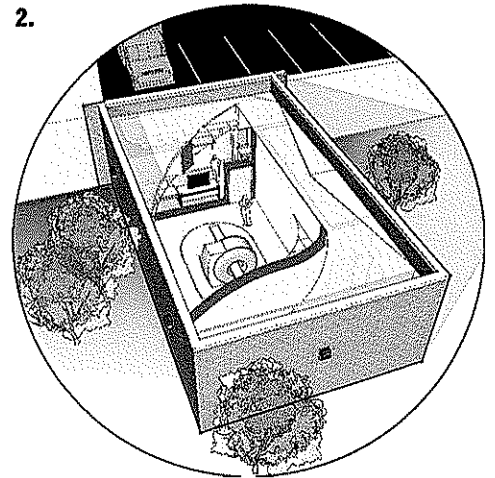
National Council of Architectural
 Registration Boards
 Certificate # 64193
 American Institute of Architects
 Chesapeake Area Society of Healthcare
 Engineers, Inc.

COMMUNITY

Eastern Museum Motor
 Racing – Board of Directors
 BGSPS - Board of Directors

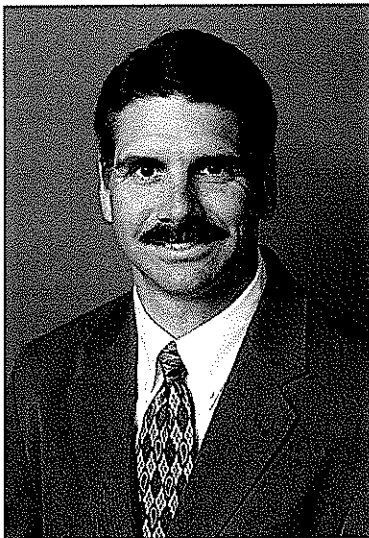


2.



Featured Projects

1. **UMCES Horn Point AREL**
 Aquaculture and Restoration
 Ecology Laboratory
2. **Harbor Hospital**
 MRI
3. **Kenneth Jernigan Institute**
 National Federation of the Blind



Harold R. Sachs II, AIA
Sr. Project Manager - Principal

Keenly aware of what today's trends in the market, Hal Sachs focuses on making **each project reflect the standards and values of its market**, its users and its surroundings. His **attention to detail** enables his team to make subtle changes during the design process to create a more efficient working environment for the user. His **standard of excellence** is the benchmark for his Design Team to achieve. That is probably why **several projects that Hal has been involved with have been published**, including The Highlands at Pittsford, a project that recently won the AIA Long Term Care Design Citation Award and has been widely published. Recently, Hal was involved with concept designs for the renovation of the third floor dining room and nurses' station in the Arbor at Baywoods of Annapolis. He is very excited about the opportunity to revisit this area as a part of the new project described in this RFP.

Hal is currently working on two projects involved with the Leadership of Energy and Environmental Design (LEED). One of those projects is Middleburg Bank – Ft. Evans Plaza II which has been recently **completed and submitted for LEED-Silver**. This project has already received several awards and recognition for its environmental and energy efficient design.

During his architectural career Hal has also had an opportunity to work on numerous other types of projects including Banking, Commercial and Government Offices, Public and Private Schools and Custom Homes. This **diverse design experience** has enriched his Design Team's knowledge and contributed to each project's success.

EDUCATION

Catholic University of America
 Bachelor of Science, 1995
 Bachelor of Architecture, 1996

YEARS OF EXPERIENCE

13 Years

PROFESSION

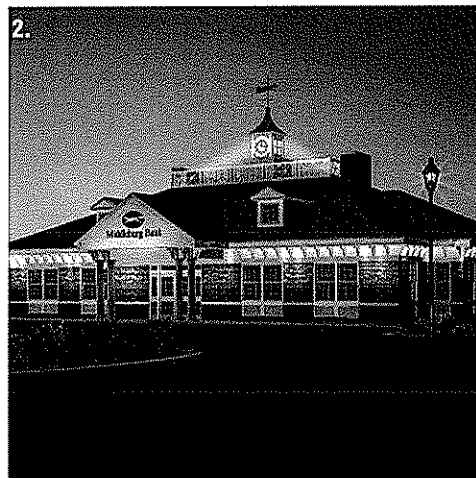
Registered Architect
 Maryland
 Virginia

AFFILIATIONS

American Institute of Architects
 National Council of Architectural
 Registration Boards
 Potomac Regional Solar Energy
 Association

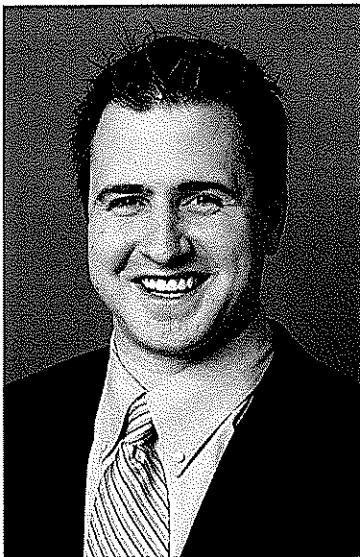
COMMUNITY

St. Johns Episcopal Church
 Board of Directors
 Building and Grounds Committee Chair
 Day School Board of Directors
 Forest Hill Swim and Tennis Club
 Board of Directors
 Past President



Featured Projects

1. The Highlands at Pittsford
2. Middleburg Bank at Junction Plaza



**David C. Ammon, AIA
 Principal**

David Ammon has over twelve years of professional experience with a wide range of project types and clients. He is involved in all aspects of the project from feasibility studies and programming through the production of construction documents and specifications to construction observation, and post construction evaluations.

Mr. Ammon has a **comprehensive approach** to designing a project and directing its progress during the documentation phases. He routinely researches a program, operation or product to assure each client he has provided the **right solution** to meet their needs. His enthusiasm and commitment to excellence inspires the entire Design Team to do their best. His leadership coupled with the Design Team's effort result in repeat clients continuously requesting him to be their Project Manager.

EDUCATION

Towson State University
 Bachelor of Science, 1998

YEARS OF EXPERIENCE

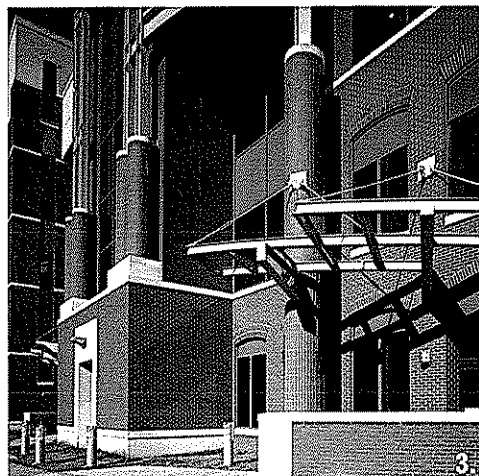
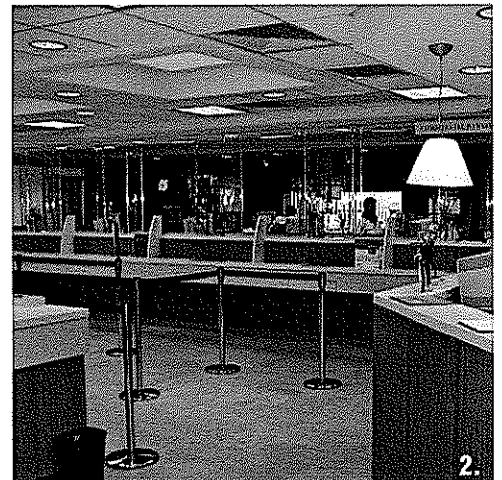
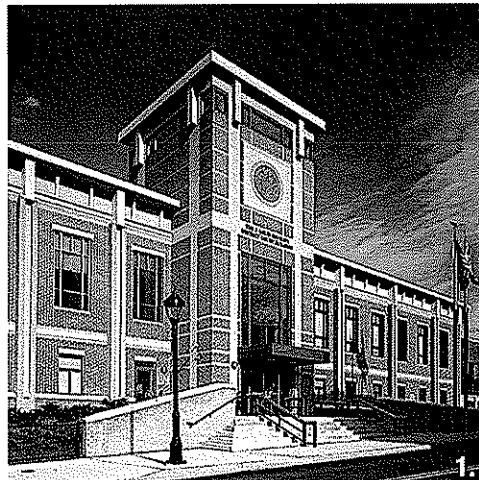
12 years

PROFESSION

Registered Architect

AFFILIATIONS

American Institute of Architects
 CASHE



Featured Projects

- 1. Washington County District Court**
- 2. M&T Bank Pikesville**
- 3. Kenneth Jernigan Institute National Federation of the Blind**



John A. Ammon, AIA, NCARB
Principal Emeritus

John A. Ammon has 40 years of professional experience in the direction of a wide range of large and small scale projects. An established name in Baltimore, John Ammon brings an **impressive resume** of architectural design credits to the firm. An **instinctive entrepreneur**, Mr. Ammon has been at the helm of two successful partnerships. He founded John A. Ammon + Associates, Inc. in 1991 after dedicating 18 years to a previous partnership.

Mr. Ammon's design experience encompasses millions of square feet in facilities and an impressive list of feasibility studies on projects ranging from Research and Technology to Health Care and Judicial Facilities. His clients include John Hopkins University, National Federation for the Blind, District Court of Maryland. M+T Bank, Medstar Health, University of Maryland, Middleburg Bank and Allied Irish Bank.

EDUCATION

Oklahoma University, 1967
 Bachelor of Architecture with Honors
 Honorary Societies:
 Tau Beta Pi
 Sigma Tau

YEARS OF EXPERIENCE

40 years

PROFESSION

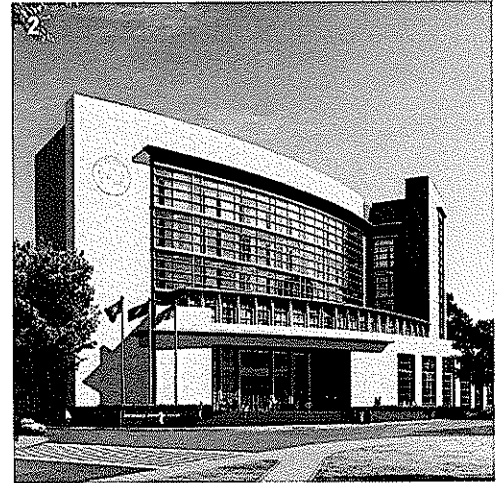
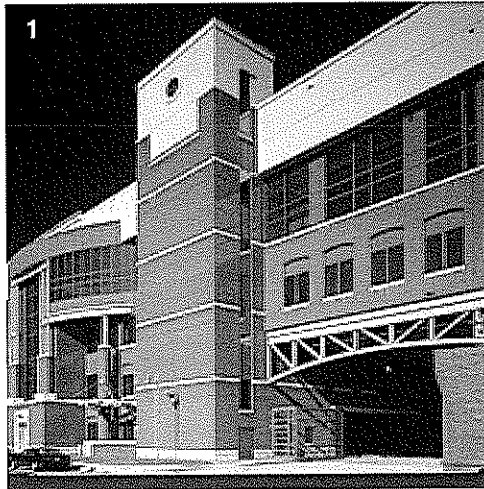
Registered Architect — NCARB
 Partial List of States Registered In:
 Maryland
 New York
 New Jersey
 Delaware
 Virginia
 Pennsylvania
 District of Columbia

AFFILIATIONS

American Institutes of Architects
 CASHE

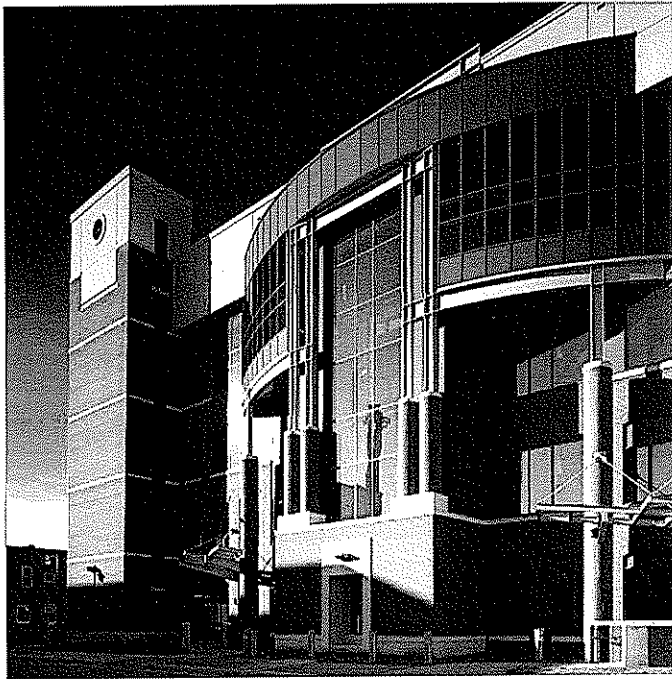
COMMUNITY

Helping Up Mission — Board of Directors
 Freedom House — Board of Directors
 Reisterstown — Festival Committee
 Past President



Featured Projects

1. Kenneth Jernigan Institute
National Federation of the
Blind
2. Rockville District Court
3. M&T Bank
Pennington Commons

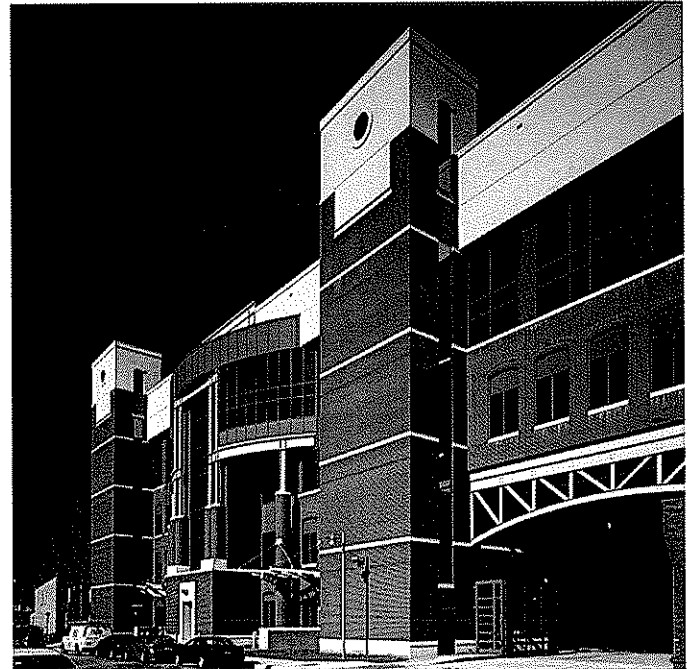
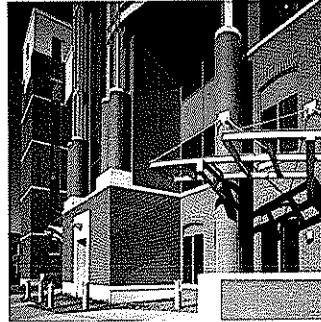
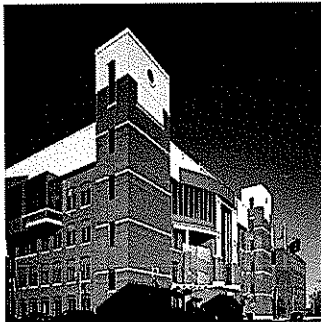
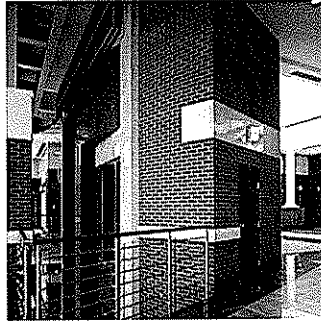


**The National Federation of the Blind
Jernigan Institute
Baltimore, Maryland**

Project: Education - Research and Technology – New

Founded in 1940, the National Federation of the Blind is the **largest organization for the blind** with over 50,000 members in the United States. Its goals for the blind are public understanding, technology expansion, education, Braille literacy, employment and independence. In order to achieve these goals the Federation proceeded with the development of the Jernigan Institute to **house all of their programs under one roof.**

Completed in 2004, the National Federation for the Blind – Jernigan Institute is an 183,500 square foot, 5-story facility including **structured parking** for 87 cars. Located in Baltimore, the Institute includes a research library, technology training rooms, offices, laboratories and classrooms with **teleconferencing capabilities**; a 159 seat sloped, fixed seat auditorium and a 1,000 seat grand conference center.



**Johns Hopkins Bayview Care Center
 Baltimore, Maryland**

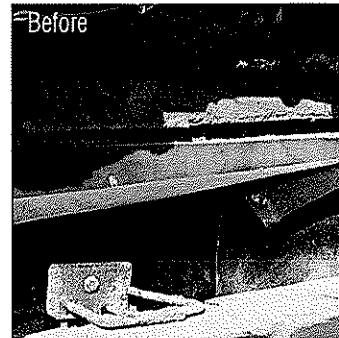
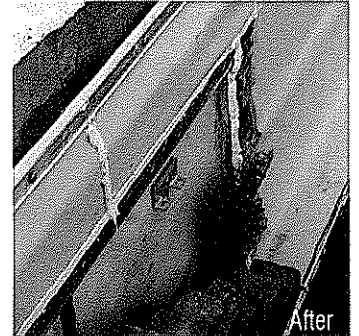
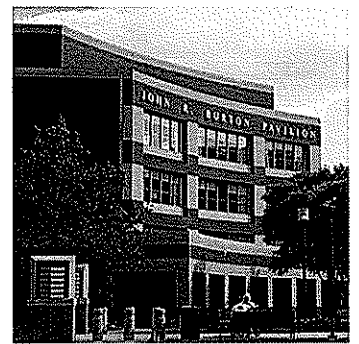
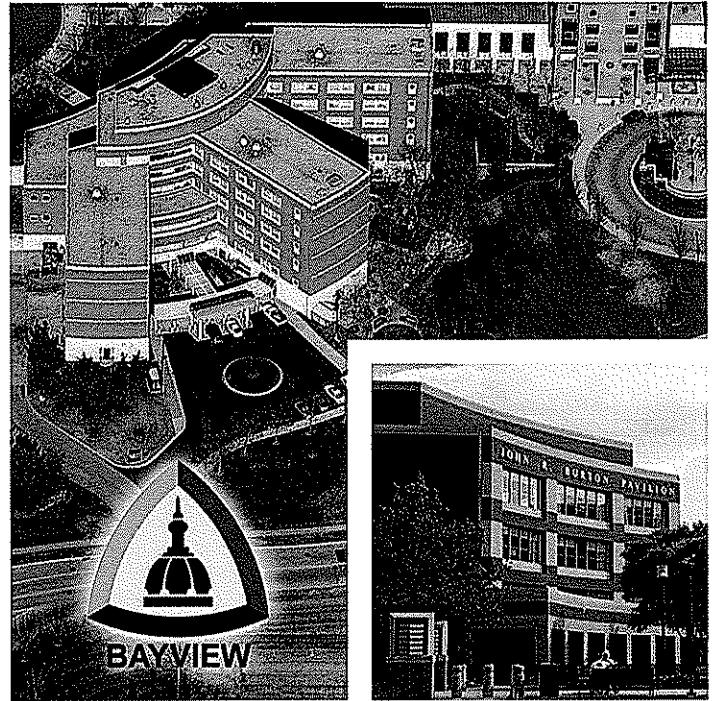
Project: Water Infiltration Remediation, 7 Story Building

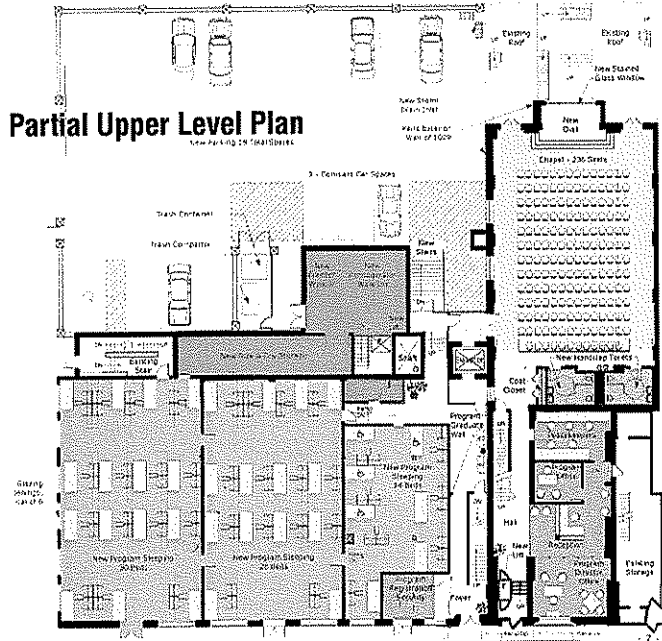
Investigation Included:

- Selective demolition to inspect the following:
 - o Cast Stone Parapet Flashing
 - o Thru-Wall Flashing, Relieving Angles, Expansion Joints
 - o Window lintels and sill conditions
 - o Changes in Masonry Veneer backup
 - o Cavity wall construction, including: sheathing, weather barrier, water proofing, masonry ties, flashing, drainage material and weeps.
- Compare Construction Documents to As-Built conditions

Corrective Action Included:

- Design and Develop selective demolition details
- Design and Develop Corrective details including;
 - o Parapet Cap Flashing
 - o Cavity wall Flashing at relieving angles
 - o Window Head and Sill Flashing



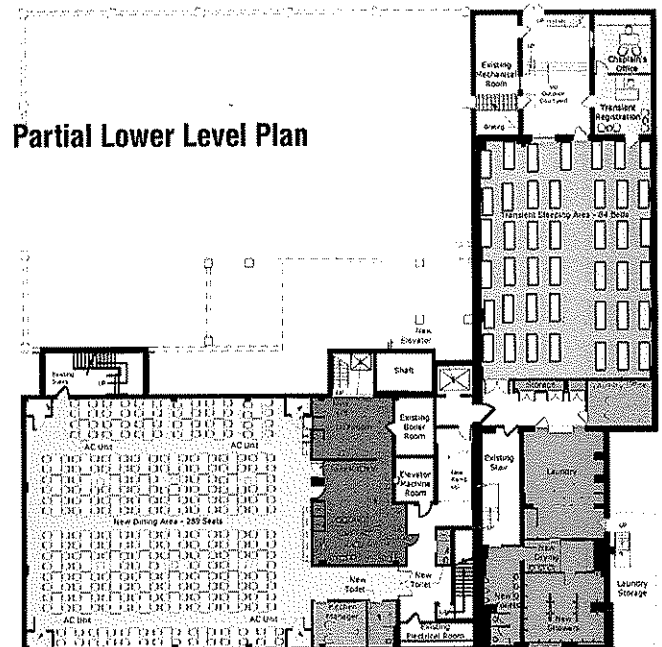


**Helping Up Mission 1029/1031
 Baltimore, Maryland**

**Project: Behavioral Health - Space Utilization and Expansion Study
 Level of Care & Amenities: Substance Abuse Rehabilitation and Care
 for the Homeless Facility**

The Helping Up Mission is considered to be one of the most effective residential programs in Baltimore to assist individuals who are in need of a “hand up”. Their programs include “**compassionate care**” - serving 600 meals a day, providing 65,700 nights of shelter and distributing 3,650 outfits of clothing a year and “**life transformation**” assistance - a rehabilitation program that includes a holistic approach to substance abuse recovery. Their recovery program is one year when patients reside on campus and receive one-on-one counseling, 12 step meetings, work therapy, medical and legal services, GED preparation classes, computer literacy classes and job skill and placement services and transitional housing.

This study was to evaluate their existing programs and spaces at 1029/1031 East Baltimore Street and determine the best use of the existing space and strategies for planning expansion.



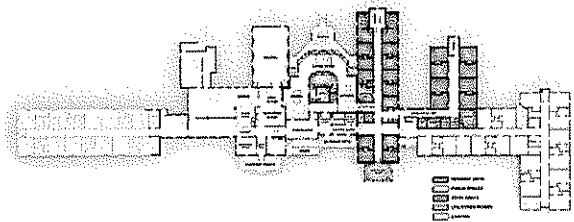


Presbyterian Home of Maryland Towson, Maryland

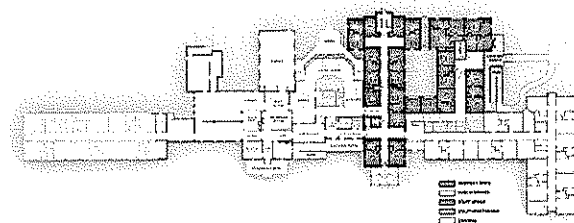
Project: Renovation and Addition
Level of Care & Amenities: Health Care Center

The Hidden Treasure of West Towson, Presbyterian Home of Maryland is a CCRC that wanted to pioneer culture change in its long term care. Always setting a high standard of care for its residents, changing not only the built environment but its care and operation was paramount for the success of **culture change and empowering their residents to have their typical day.**

With the **emphasis on "home"**, the Health Care Center will be renovated and an addition added to provide all the amenities and rooms typically provided in their residents' homes. The addition's pinwheel plan has a residential kitchen as the centerpiece with a dining room, living room and den fanning around this space. Support spaces have been updated. The bathing spa will have senior friendly bathing fixtures and the interior design will be a soothing space where residents can be pampered. The residents' bedrooms have been designed to be renovated over time and as the budget permits.



Phase 1



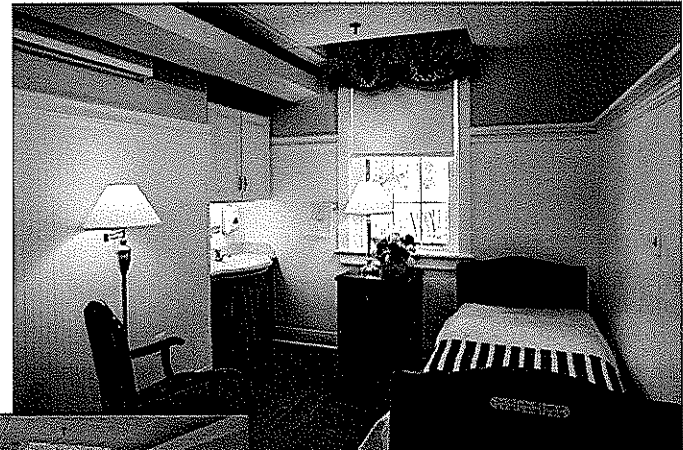
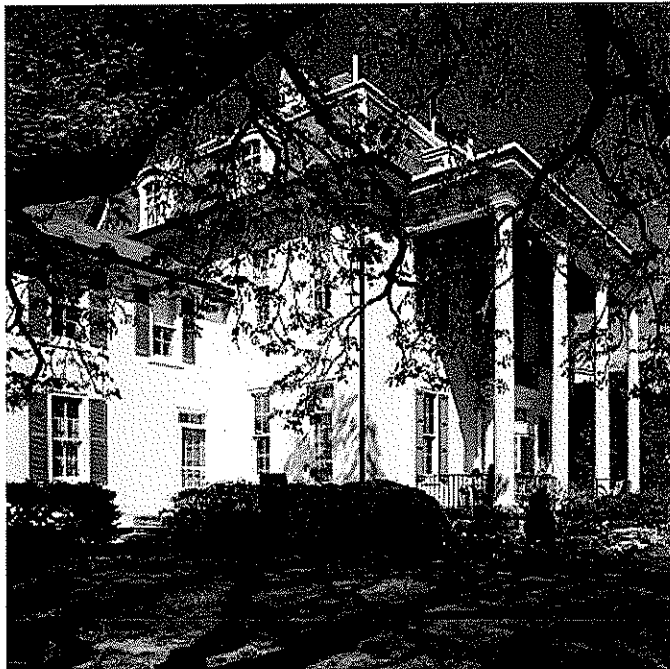
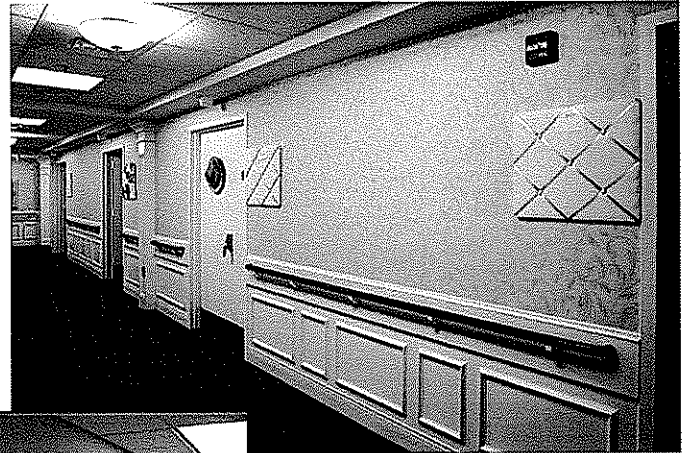
Phase 2

Presbyterian Home of Maryland Towson, Maryland

Project: Interior Renovation - Residential Spaces

Presbyterian Home of Maryland is an **assisted and skilled nursing facility** in Towson, MD. Presbyterian Home of Baltimore was founded in January of 1884 and at that time it was located on Calvert Street in Baltimore City. In 1929 Presbyterian Home of Baltimore moved into this late 1800's Second Empire Victorian Mansion and changed its name to Presbyterian Home of Maryland.

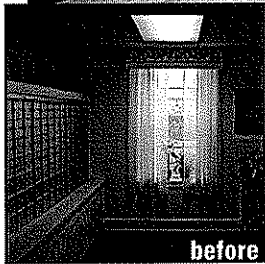
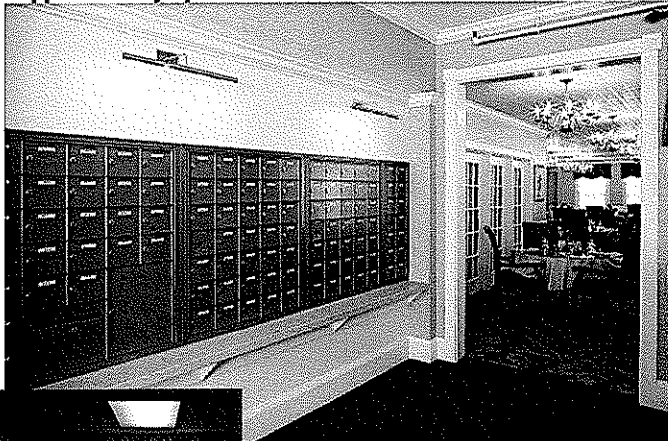
Throughout the past 80 years they have added three resident wings and a large dining room to the mansion. During this project we made **renovations** to the first floor of the mansion, the **large dining room and the skilled nursing area of the home**. These are some of the oldest parts of the facility.



**Presbyterian Home of Maryland
Towson, Maryland**

Project: Interior Renovation

Supplementary Spaces - Mail Room

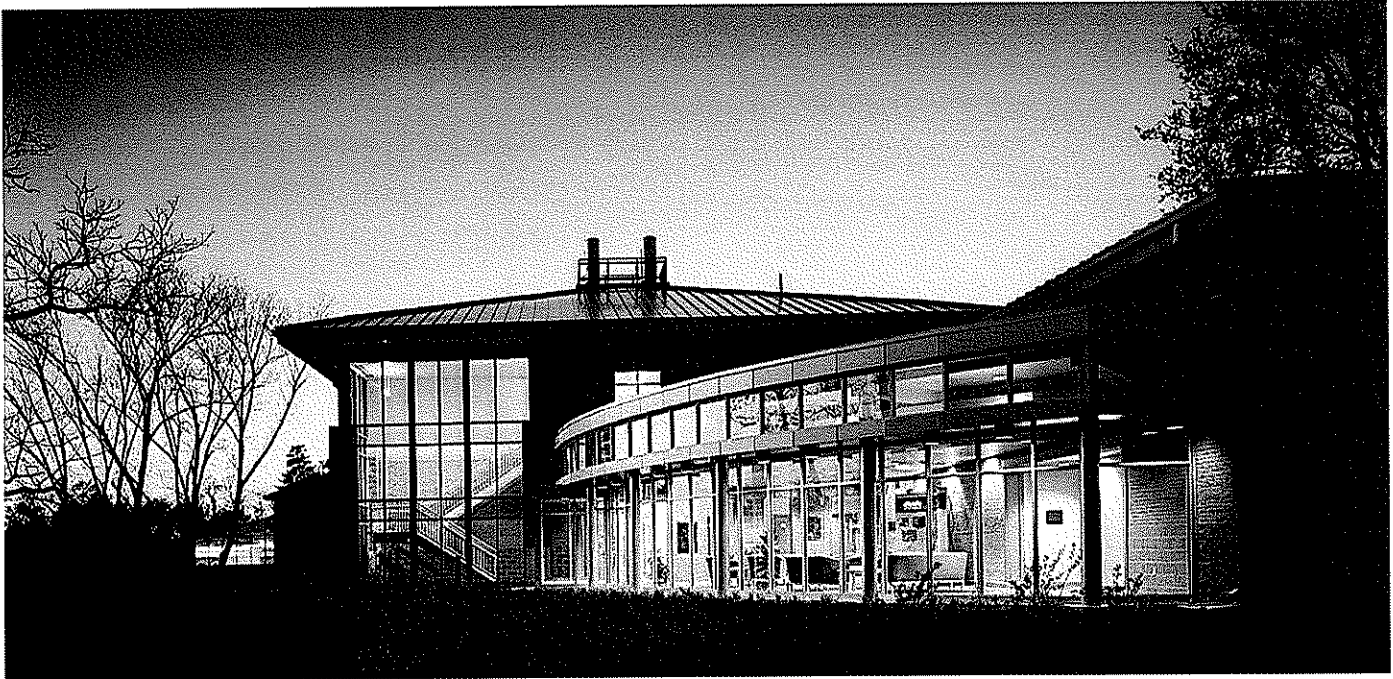


Dining Spaces - Private



Dining Spaces - Public



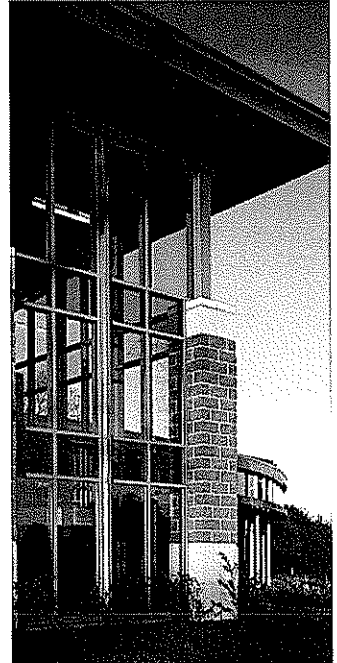
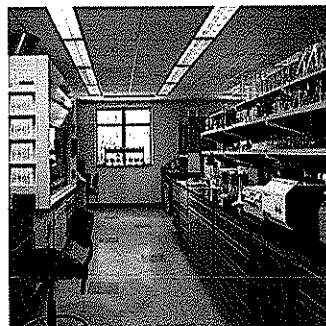
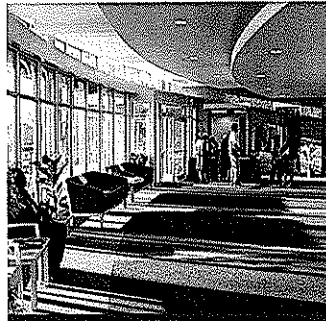


University of Maryland - Center for Environmental
Science Aquaculture & Restoration Laboratory at
Horn Point
Cambridge, Maryland

Project: Education - Research and Technology - New

Studying, protecting and improving the health of the creatures living in the Chesapeake Bay is the primary mission of this new laboratory. The Ammon/DMJM Design Joint Venture Team, provided A/E design services for a new 59,900-GSF research and education facility that conducts studies for shellfish and finfish aquaculture, submerged aquatic vegetation and water quality programs.

Laboratory space includes wet laboratories as well as quarantine facilities for studies of pathological organisms and genetically altered and exotic species. Space was provided for clean laboratories (free of environmental contaminants) for microbiology, submerged aquatic vegetation and restoration and water quality analysis. This project was **delivered utilizing a Construction Management at Risk approach.**



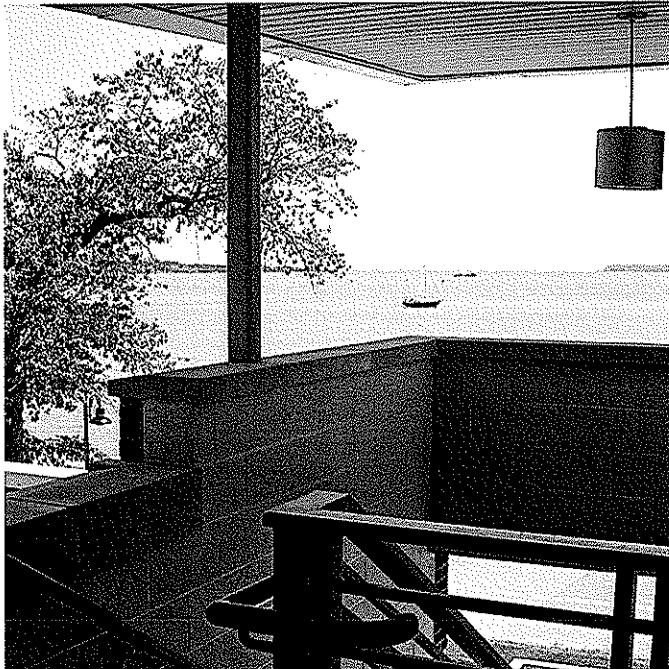
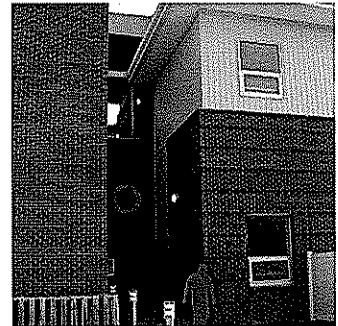
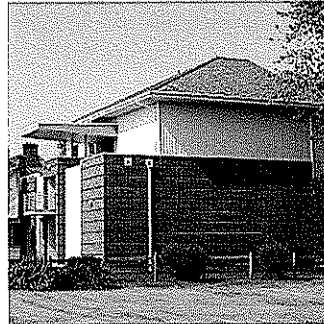
**Center for Environmental Science
Chesapeake Biological Laboratory
Solomons, Maryland**

**Project: Institutional - Renovation - Truitt Laboratory Addition
University of Maryland**

This project includes the construction of a two story, 13,000 sf steel framed addition to an existing 1970's vintage Lab Building. The addition is located on a **highly visible, water front site** in the center of an existing historic campus.

In addition to **providing New Wet Labs, Dry Labs and Offices**, the addition provides an **accessible entrance to the existing building**. The Ground Level, Wet Lab materials and finishes are designed to be wet a significant portion of the time due to the nature of the research performed. Both Wet Lab and Dry Lab are **designed to allow future reconfiguration** to adapt to changing research and equipment needs.

Due to significant site constraints, the addition had to be designed to sit on top of existing sea water supply and return lines which feed the existing building's seawater filtering and distribution systems. The addition was designed to allow these lines to **remain operational during construction**.



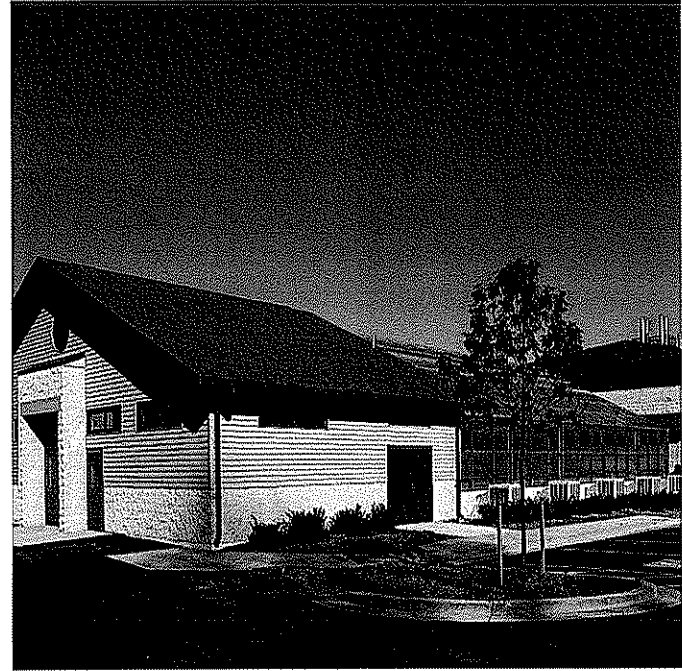
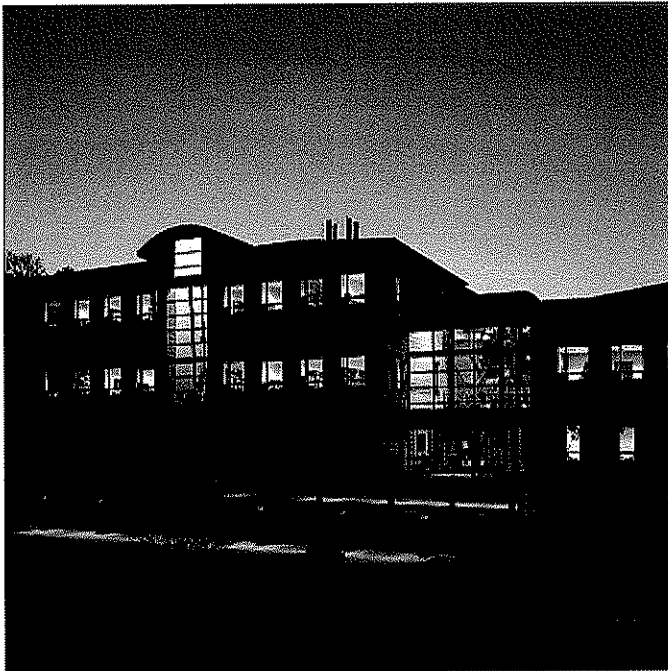
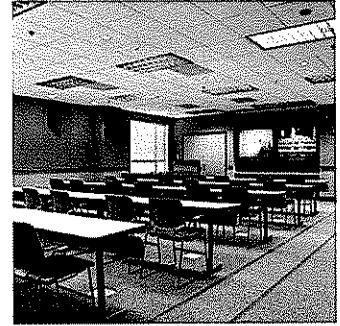
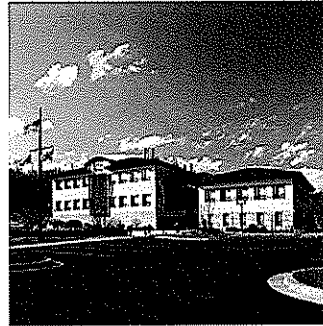
Project Area: 13,000 gsf
Estimated Construction Cost: \$3,850,000
Construction Completion: 2007

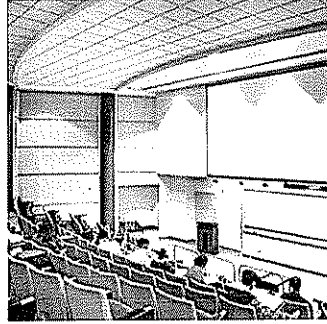
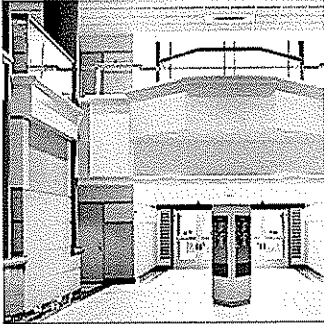
Appalachian Environmental Laboratory Cumberland, Maryland

Project: Education - Research and Technology - New

Studying, protecting and improving the health of the creatures and the environment living in Western Maryland is the primary mission of this new laboratory. The Ammon/DMJM Design Joint Venture team, provided A/E design services for a new **50,000-GSF research and education facility** that conducts studies for aquaculture, submerged aquatic vegetation, and water quality programs in the streams, lakes, and tributaries of Western Maryland.

Laboratory space includes wet laboratories as well as quarantine facilities for studies of pathological organisms and genetically altered and exotic species. Space was provided for clean laboratories (free of environmental contaminants) for microbiology, submerged aquatic vegetation, restoration, and water quality analysis. A 20,000 SF Greenhouse Building was also a program requirement for the study of indigenous plant life in the Western Maryland region.



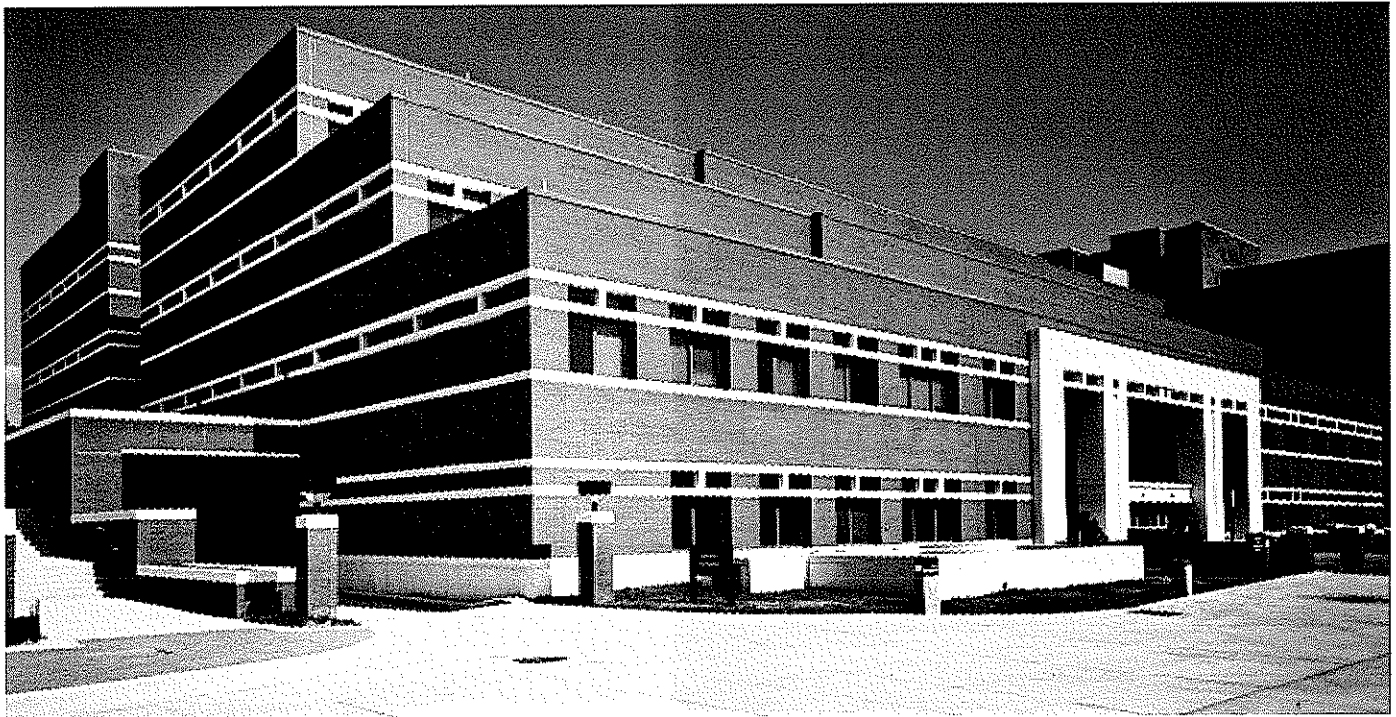


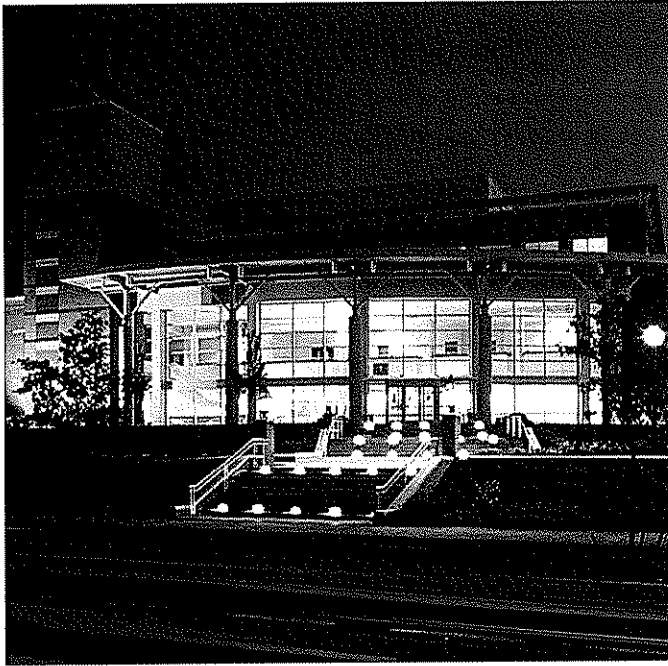
University of Maryland Baltimore County
Computer and Engineering Building
Catonsville, Maryland

Project: Education - College and University

Enclosing an academic courtyard on the UMBC campus, this four story, 125,000 SF building includes engineering labs, administrative and technical support space, staff offices, faculty offices, building service areas, and laboratory layouts for 26 computer labs. The building consists of lecture classrooms, large lecture hall, lobby and gallery, terminal labs, and a variety of advanced laboratories. A central double height "galleria" runs parallel to the two entry walls and acts as a connecting atrium to the upper and lower floors. The architectural style of the building was to complement the surrounding buildings to create a **cohesive look to the campus**.

The facility was furnished with extensive access flooring and enhanced provisions for electricity and data transmission. The roof is equipped with lightning protection to ground the structural metal roof and computer equipment.





Robert F. Sweeney District Court House Annapolis, Maryland

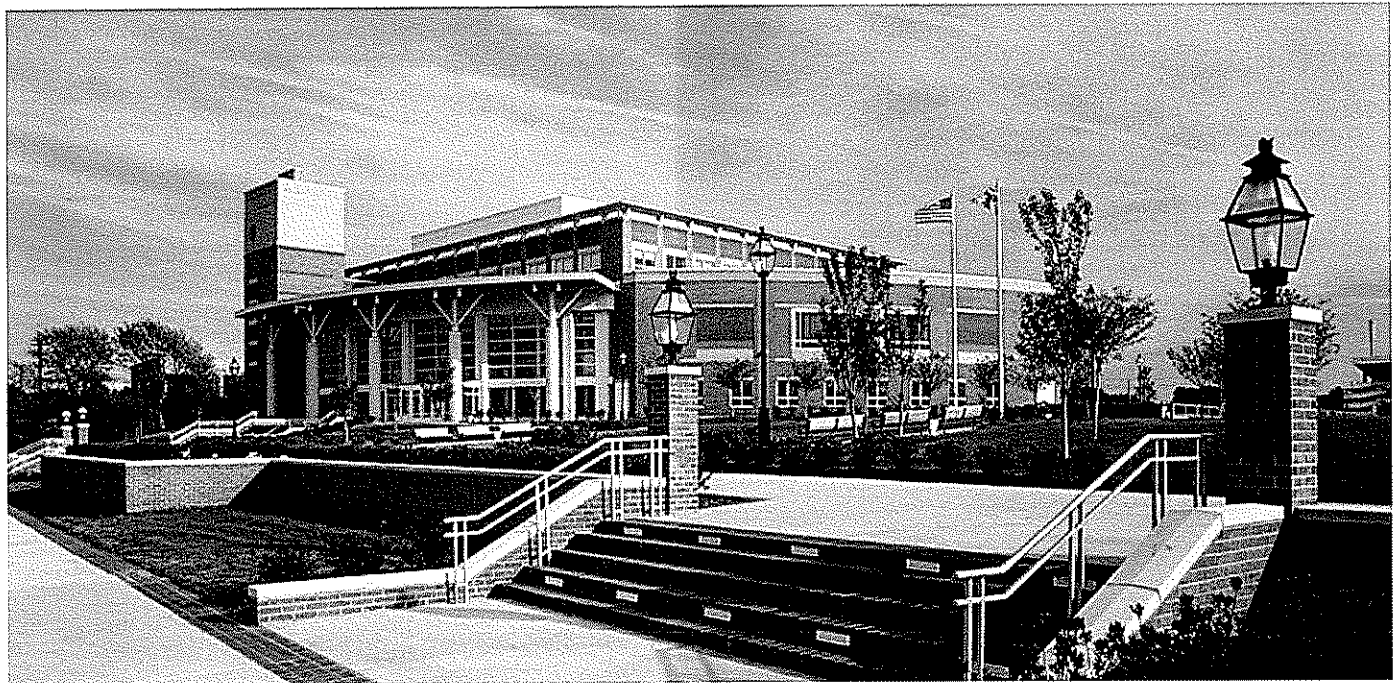
Project: Judicial - Court House - New

The curved glass atrium wall, when lit at night, is a **beacon**. During the day, it is the **window into the justice served** in Annapolis. Located on a prominent 6.9 acres site near the historic downtown, this Maryland District Court is a two-phase project.

Phase I is this 91,000-GSF Court Building planned to be completed in 2008. Phase II is a 100,000-GSF Multi-Service Center to be designed and built at a later date.

The joint venture with Ammon/ DMJM+H+N, the Design Team created a building that uniquely responded to the **strict requirements of the State of Maryland's Court System**.

Security, monitoring and multiple circulation systems were carefully designed into the layout of this four story building. A significant contribution to this area, this building's design reflects the **judicial excellence and civic pride of historic Annapolis**.



Louis Boulblitz District Court Hagerstown, Maryland

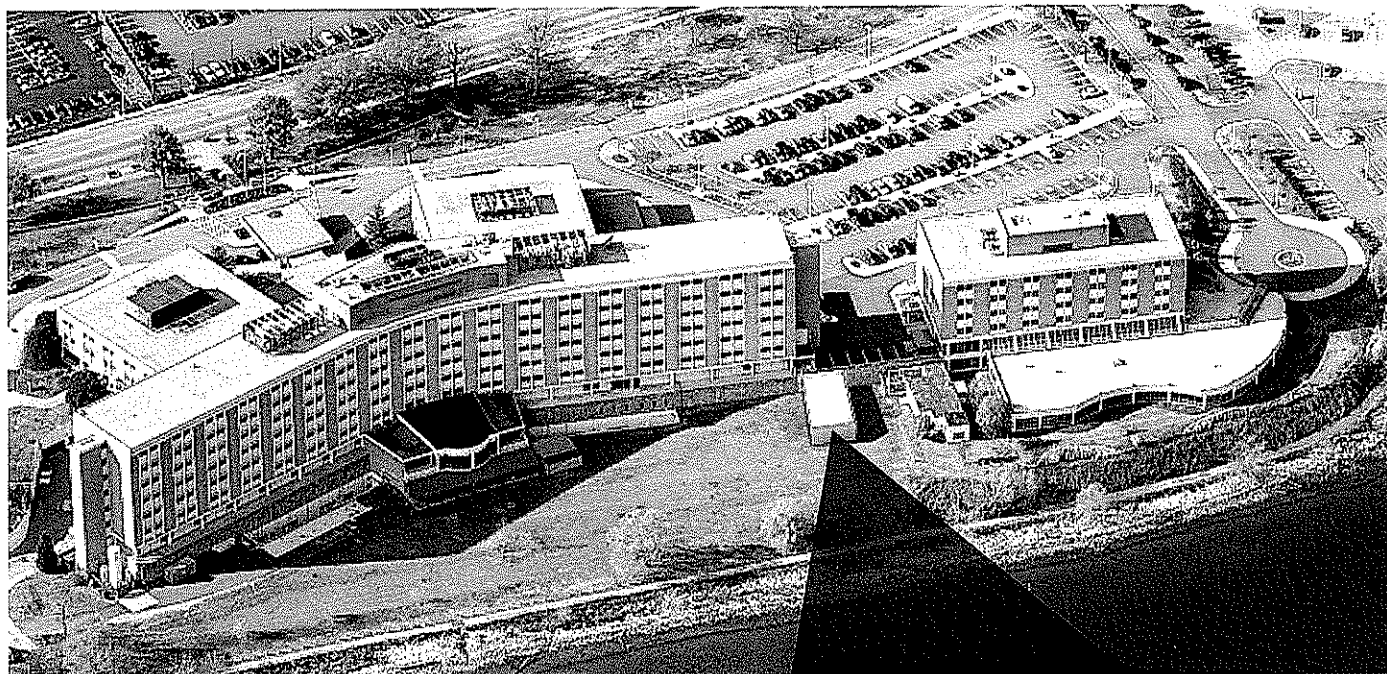
Project: Judicial - Court House - New

Located in the historic district of Hagerstown, this new court house reflects the architectural style of the city while infusing a **contemporary flair**.

While only a 28,000-square foot building, the Ammon/DMJM Design joint venture team created a courthouse that is **monumental**, evoking the importance of the judicial system in this community.

The team programmed the courthouse to conform to Maryland District Court's strict criteria. It includes two courtrooms (including one for an eight-person jury), two judicial chambers, and administrative support spaces. A 24-hour Commissioner's Department is also part of the program. The design allows **future lateral expansion** for additional courtrooms, chambers, and administrative spaces, as needed.





**Harbor Hospital MRI
 Baltimore, Maryland**

Project: Healthcare - Renovation

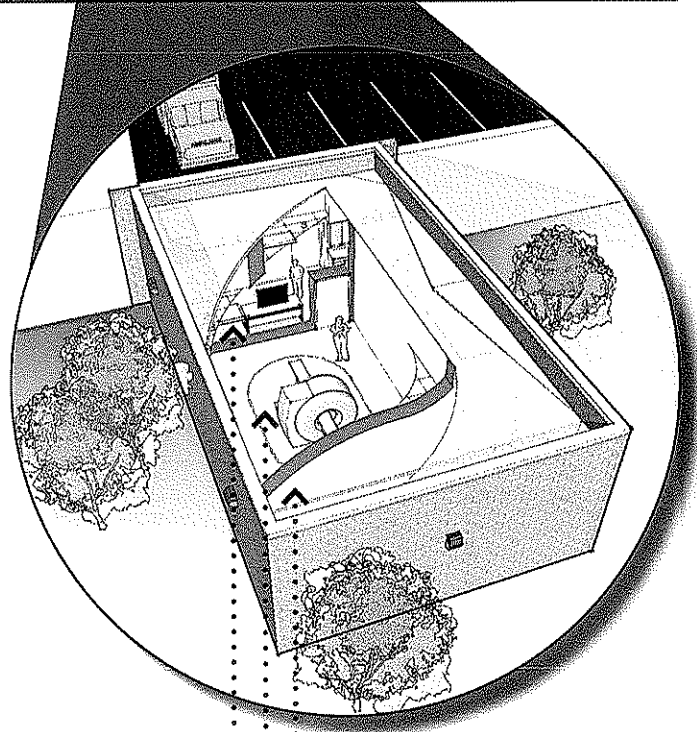
A new, 2,150 sf, one story addition to house a new 3T MRI and its Control and Support Spaces. The site for this project included an existing unexcavated portion of the Hospital Basement and adjacent undeveloped land along the Baltimore waterfront. The new structure is reinforced concrete masonry with a pre-cast concrete roof structure designed to support the weight of ambulances and fire engine at the Emergency Entrance immediately above the site. Deep foundations were required due to existing fill along the shoreline.

Although our Client and the Owner of the building is Harbor Hospital, the space and the MRI are leased to the National Institute on Aging. Our design needed to meet the requirements of both the owner and the using agency, while meeting the technical and shielding requirements of the MRI supplier.

Project Area: 2,150 gsf

Construction Cost: \$1,450,000

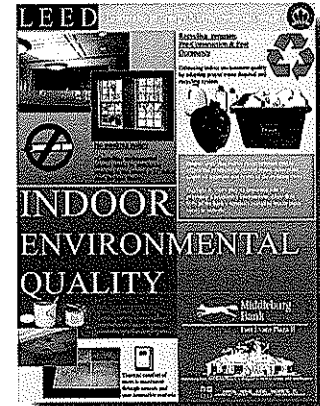
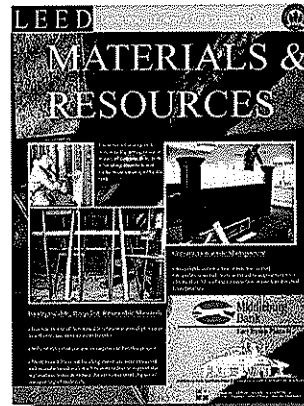
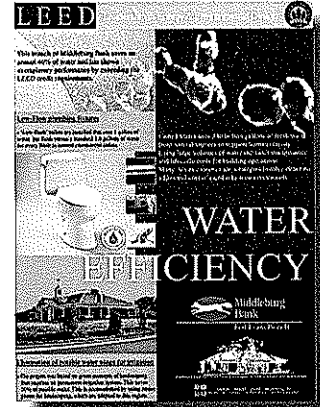
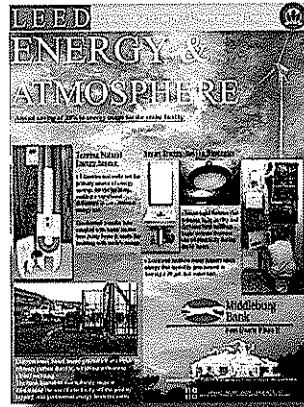
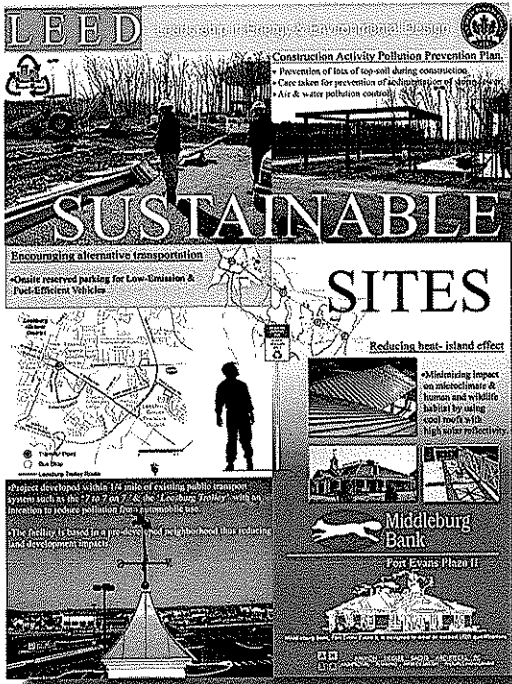
Construction Completion: October 2008

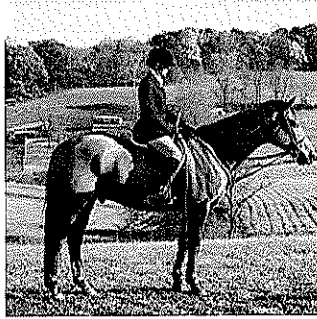


-•EQUIPMENT ROOM
-•MAGNET ROOM
-•CONTROL ROOM

**Middleburg Bank - Fort Evans Plaza II
 Leesburg, Virginia**

Project: Bank - Branch Bank - New - LEED Certified

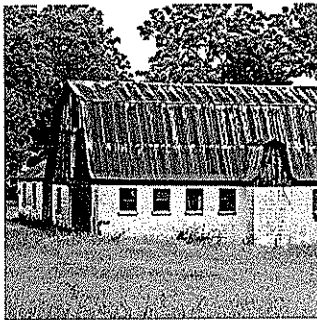




Middleburg Bank
Warrenton, Virginia

Project: Bank – Branch Bank – New

The **“biggest little bank”** in Virginia, Middleburg Bank is a full service bank that has served the communities of Loudon County and the surrounding areas for over 75 years. Committed to personalize service, this 5,000 square foot branch bank was designed using the **“tellerless” concept**. This is a more personal approach to banking where clients meet one on one with the customer service representative. Transactions are then sent via the vacuum air tube system to a secure teller room where all transactions are managed.



Designed to **reflect the architectural style of the town of Warrenton**, this branch bank has the typical details e.g. dental soffit, centered gable entry, paired chimneys, brick walls and roof balustrade that you find in a Georgian colonial home. The interior continues this aesthetic style with deep stained wood millwork, wood wainscot, six panel doors and high ceilings with crown molding.

**M&T Bank
Various Branches**

Project: "Clarksville" - Branch Bank - Renovation ▶

In a continuing effort to expand the M&T Bank footprint throughout the Mid-Atlantic region, this renovated freestanding restaurant offers 4,100 GSF of banking space. Carefully conceived site modifications allowed for the addition of two lanes to accommodate the bank's drive-up window.

Project: "Perry Hall" - Branch Bank - New ▼

As an initiation of M&T's commitment to be environmentally conscious, this new 4,000 GSF LEED® certified branch is the first of its kind. As a statute of our practice, AHSa approaches architecture with an environmentally-conscious mindset. Therefore, with minor modifications to the established M&T prototype, this branch easily qualified for LEED® certification by the United States Green Building Council.



Columbia 100
Columbia, Maryland

Project: Commercial- Office Building- New

Two new Class A condominium office buildings. Building 1 features a branch bank on the ground level with the drive-thru lane under the building. Building 2 features covered parking and storage lockers under the building. Both buildings have roof top gardens and multiple terraces.

In addition to the building shells AHS has designed several of the individual spaces. AHS also designed the "Greystone Grill" restaurant on the ground level of Building 1. The shell building and interior fit-out designs were completed as a joint venture with Mainstreet Design Group.



**Carrollton Bank - Canton
Baltimore, Maryland**

Project: Banking - Branch Bank - Renovation

As a renowned name becoming increasingly synonymous with the local commercial banking industry, Ammon Heisler Sachs architects continues to expand their already established clientele. The breadth of the firm's experience in financial design **presents unique opportunities to arrive at creative design solutions with respect to the client's time and budgetary needs.**

From preliminary design to construction documentation, the team at Ammon Heisler Sachs offers broad expertise in all phases of the design process. Whether the client's interests are a renovation, large or small, or a new facility looking to push the boundaries on design, Ammon Heisler Sachs believes in TCS - **Total Customer Satisfaction.**



• Campus of 5 Warehouse/Office buildings

• TiltUp Construction

• Front and Rear Loading

• Single and Multi-Tenant

Howard Business Park - Lot #5 - Buildings 1-5 Howard County, Maryland

Project: Industrial - Warehouse - New

A campus of five Tilt Up Warehouse buildings developed by H&HRock. Building #1 - 51,600 SF front loading, multi-tenant. Building #2 - 52,080 SF front loading, multi-tenant. Building #3 - 29,980 SF rear loading, multi-tenant, converted during construction to single tenant. Building #4 - 10,000 sf rear loading, single tenant, warehouse/office. Building #5 - 10,000 sf rear loading, single tenant, warehouse/office.



Firm Qualifications

CENTURY ENGINEERING, INC. headquartered in Hunt Valley, Maryland, is a multi-discipline consulting engineering firm engaged in the planning and design of a variety of facilities, structures, and engineering projects for both public and private sector clients. Additional Offices are located in Pennsylvania, Delaware; and West Virginia. We offer you:

- A staff of approximately 400 technical and support personnel consisting of Mechanical, Electrical, Plumbing including utility, Structural including structural for buildings, marine and waterfront facilities, Civil inclusive of land development, surveyors and utilities, Landscape Architecture, Transportation including Planning/Design, Water Resources, Bridge and Geotechnical Engineers inclusive of laboratory testing, Environmentalists, Construction Inspectors, Technicians, Cost Estimators and Specification Writers. In-house design support facilities, full-service computer and graphics capabilities, and construction services group.
- Integrated computerized project management system for budget and schedule control of all projects.
- AutoCAD and Intergraph CADD systems.
- Written Quality Control Program
- Sophisticated array of communication techniques.

Our divisions often work together on multidiscipline design and construction projects. Our complete design services have included feasibility studies, due diligence inspections with recommendations and pricing, investigation for deficiencies, design for new or additions, design for renovated space and fit-outs, "LEED" qualifications and construction administration/inspection.

Our long range purpose recognizes our Company's commitment to balance its responsibilities to clients, employees, community, and ownership.

Civil Division, Inclusive of Land Development, Landscape Architecture, Surveys and Utilities

Century's Civil/Land Development Department works closely with private and public clients to deliver expertise to a variety of projects including office, retail, industrial, commercial, institutional, residential, recreational and governmental.

Century's Landscape Architects & Planners design projects which meet the client's goals and are aesthetically pleasing and sensitive to the environment while meeting county regulations. Our staff has developed large scale master plans for residential, commercial, institutional and public projects. Our staff can provide preliminary layouts through detailed site amenity plans

Our engineers and designers provide services including:

- Investigations, master planning, feasibility studies, surveys and planning studies through construction drawings, permitting and construction period services.
- Keeping abreast of regulatory issues and codes
- Environmental constraints and site specific issues
- Locating and defining the extent of any flood plains and understanding the specific forest conservation measures that will be applied to the site
- Surveying services; Professional Land Surveyors, Property Line Surveyors, Technicians and Field Surveyors with extensive experience
- Advanced technology in performing surveys including GPS, Total Station Instruments and Data Collectors
- Water resources engineering including: drainage design, stormwater management design and modeling, erosion and sediment control, environmental mitigation and permitting

Firm Qualifications

Structural Division Including Structures, Marine and Waterfront Facilities and Geotechnical Services

Our engineers and designers provide services including:

- **Facility Condition Assessments:** Activities include review of existing drawings and applicable codes; meeting client to identify particular concerns; site visit to determine the physical condition of exposed structural members and detect any signs of structural distress.
- **In-Depth Structural Evaluation:** This service includes condition assessment on a smaller, more-focused scale, and may include close visual inspection, measurement, destructive and/or non-destructive testing, and computational analysis. When necessary, CEI can design repairs and improvements to enable the structure to fulfill the desired purpose.
- **Evaluations and assessments:** Typical end products include letters and reports signed and sealed by a licensed structural engineer. For repairs, CEI will produce letters, sketches and notes as necessary. For larger designs, Century Engineering will issue drawings and specifications.

Mechanical/Electrical Division

Our engineers and designers provide services including:

- Design of renovation, replacement and upgrades to facility mechanical/electrical systems, in addition to new buildings
- Design of cabling systems for voice and data communication, and audio and video systems
- Feasibility studies provided before project scope can be defined for existing facilities
- Increase capacity or reliability of electrical systems.
- Economic analysis studies provided as part of developing design concepts
- Design of Power distribution includes low and medium voltage switchgear, standby and emergency generator systems, uninterruptible power supply systems, computer room power

conditioning systems, surge protection, lightning protection and other power quality and reliability measures

- Preparation of Construction Documents
- Heat recovery systems design for those applications that exhaust high quantities of conditioned air
- Design air systems with economizer cycles where possible to minimize overall utility costs.

Whether for a new facility or for the modification or expansion of an existing structure, CEI can provide a design which best fits the client's purpose, budget and timeline.

Computer Capabilities

Century has an extensive system of computers, which provides planning, engineering, drafting, and support services necessary for the engineering and financial management of our projects. Our computer, CADD, and GIS systems and our already extensive software library are constantly being updated and expanded as is our training for these systems.

Quality Assurance

Century follows an in-house quality assurance and project coordination program. This program assures the client that our Project Team will adhere to all tight performance schedules, which may be encountered. This, complete with our extensive design and consulting experience, will assure our client a quick, accurate and cooperative design project.

As a company we will achieve our purpose by adhering to a simple but strong set of core values that will guide our decisions. They are:

- **POSITIVE MOTIVATION**
- **TEAMWORK**
- **TRUST**
- **ENTHUSIASM**

Robert G. Bathurst, P.E.

Civil Engineer - Project Manager

Active Registration:

2006 P.E. Pennsylvania Registered
PE073923

Years Experience: 19

Education:

1991 B.S Civil Engineering, Drexel
University

1994 M.B.A. Industrial Administration,
Carnegie Mellon University
Graduate Coursework, Civil Engineering,
The Geosynthetics Institute at Drexel
University, 1991

Experience:

Mr. Bathurst has experience in civil design and consulting. He has worked for a multitude of clients on land planning and site development work. Site development work required extensive coordination involving many state and local reviewing agencies, professionals (architects, landscape architects, land planners, engineers and attorneys), and community representatives. Design components involved in this type of work include: schematic layout, geometric layout, grading/earth balance analysis, public roadway extensions/improvements, hydrologic/hydraulic modeling, floodplain analysis, stormwater quality and quantity management, zoning compliance, amenity area planning, ADA/handicap accessibility, pedestrian pathway/ramp/stairway design, site lighting, public sewer and water extension, storm drain systems, stream crossings/bridges/culverts, sediment control, on-site fire protection systems, forest retention/mitigation, wetlands delineation and/or mitigation, landscaping and as-built inspection.

MCPS WATKINS MILL HIGH SCHOOL, Montgomery County, MD. Project Manager to evaluate the repair of an extremely eroded storm drain outfall. The ongoing erosion currently has the school's main sanitary sewer discharge pipe fully exposed and undermined. Portions of the existing eroded outfall are incised by as much as 12 feet from the original channel surface. Conceptual channel and stream repair drawings were developed. We are currently waiting for funding to proceed with final design and permitting.

MONTGOMERY KNOLLS BUILDING ADDITION, Montgomery County, MD. Project Manager for an addition to the existing school building. Performed a feasibility study and civil engineering for the

final design for a building expansion, a minor parking expansion, improved pedestrian and vehicular circulation, ADA accessibility, and a new loading and service area. The project involved a major stormwater management retrofit since the building addition displaces the existing stormwater infiltration device. Stormwater management will consist of (3) below grade sandfilter vaults and approximately 1,000 linear feet of 60 inch diameter of below grade stormwater storage pipe. This project involves a detailed Natural Resources Inventory and Forest Stand Delineation and full compliance to the Forest Conservation Law by way of a Forest Conservation Plan.

BELLS MILL ELEMENTARY SCHOOL, Montgomery County, MD. Project Manager for feasibility analysis for parking expansion, improved pedestrian and vehicular circulation, parent drop-off loop, ADA accessibility and separate Bus Drop-Off Zones as part of the Public Schools System's "Improved Access to Schools" initiative. Three alternates were presented and the selected scheme was developed for the school's application for funding for the project.

RUTHERFORD BUSINESS PARK, Baltimore County, MD. Performed Development Feasibility study for a 12,000 square foot building addition to their main operations building. Three phased ultimate development build -out on 10 additional acres including 74,500 square feet of building, parking area and stormwater management.

BOARMAN ARTS CENTER, Martinsburg, West Virginia. Project Manager/Civil Engineer for the adaptive reuse of an historic building into a 5-story, 23,000 square foot Center for the Arts to serve the community. The adaptive reuse was intended to restore the exterior envelope to its former glory and modify the building's interior to accommodate art studios, galleries, a performance hall, administrative and other support spaces while conserving the existing architecture.

FRANK ART CENTER, SHEPHERD COLLEGE, Shepherdstown, W.V. Project Manager/Civil Engineer for a 2 Phased, 6786 square foot \$2.5 million renovation and addition to the existing music department building. The addition consists of a 1,700 square foot practice room which contains a number of pre-fabricated sound isolation rooms, a 3,600 square foot rehearsal hall with 28' high ceiling, a new covered loading dock and a new entrance lobby.

Timothy J. Przybylowski, P.E., LEED A.P. Civil Engineer

Active Registration:

1994 WV Registered P.E.:

012310

NCEES Council Record Holder

2008 August LEED Accredited
Professional (LEED A.P.)

Years Experience: 27

Education:

M.Engr., Professional Practice,
University of Wisconsin-Madison, 2004

B.S., Civil Engineering, University of
Notre Dame, 1982

Experience:

Mr. Przybylowski serves as Project Manager for complex multi-discipline projects, to include business park development, community development, base realignment and closure planning, utility privatization, campus development, management consulting, final design, and construction phase projects. Projects serve public/private sectors and involve transportation, water supply systems, domestic sewer systems, utility service coordination, redevelopment and new construction, condition assessments, stormwater management, environmental permitting, funding source compliance, and master planning.

HARRISBURG AREA COMMUNITY COLLEGE, Harrisburg, PA. Project Manager of Engineering Services for college-wide Master Plan involving five campuses of HACC (Harrisburg, Lancaster, Lebanon, Gettysburg, and CCTA). Responsibilities included an MEP condition assessment of over 25 buildings either owned or leased totaling approximately one million SF at five campuses. The assessment evaluated the extent of deferred maintenance, remaining facility life, and renovations needed for future capital budgeting purposes. Each site was also evaluated to include transportation, parking, and utilities. Systemic strategies for facility improvements were recommended and summarized in a master plan to include cost estimates.

SHIPPENSBURG UNIVERSITY, DEPARTMENT OF GENERAL SERVICES, Shippensburg, PA. Served as Principal-in-Charge for \$1.5 million of roadway improvements to include half mile of new two-lane road, existing road re-profiling, curve alignment

improvements, sidewalks, and associated utility coordination. The project established a perimeter loop road around the campus that has reduced the number of conflicts between pedestrians and vehicles during peak activity times.

YORK COLLEGE OF PENNSYLVANIA, York, PA. Project Manager of Engineering Services for condition assessment of eight buildings totaling approximately 250,000 SF. Services included an MEP evaluation of each building to determine capital project needs, maintenance needs, and future program renovation considerations. Assisted with specific plaza drainage evaluation at the Business Administration Center. Summarized assessment in report with cost estimates.

PARADISE SCHOOL FOR BOYS, Abbottstown, PA. For the Diocese of Harrisburg, served as Principal-in-Charge for a condition assessment, asset management study, and major renovation of the Paradise School for Boys. Renovations included Life Safety improvements, electrical and HVAC upgrades, roof repairs, and interior renovations.

BETHESDA MISSION, Harrisburg, PA. Served as Principal-In-Charge for the condition assessment of a 25,000 SF men's center, Master Planning for future expansion, and miscellaneous projects in support of repair needs.

HERSHEY RESORTS, DERRY TOWNSHIP, Dauphin County, PA. Officer-in-Charge for pre-design services for expansion of the Hershey Lodge and Convention Center. Phase I involved reviewing previous programming reports and preparing an updated program. Phase II involved the evaluation of concepts, site layouts, and elevations for expansion options.

HERSHEY RESORTS, THE BEARS' DEN, HERSHEY LODGE AND CONVENTION CENTER, Derry Township, Dauphin County, PA. Officer-in-Charge for this project which provided civil, mechanical, and electrical services to a 10,000 SF addition of the Hershey Lodge and Convention Center. The Bears' Den is a sports bar designed to replicate the ice rink at the original Hersheypark and arena, included sophisticated audio/visual components and a broadcasting booth. Secured land development approval and added additional parking to the site.

Edward H. Dalton, P.E. Geotechnical Engineer & Field Services-V.P.

Active Registration:

1980 Civil Maryland Registered P.E.
#11890

1981 Civil Delaware Registered P.E.
#7739

Years Experience: 29

Education:

BSCE 1973 Civil Engineering University
of Maryland

MSCE 1976 Soil Mechanics University of
Maryland

Experience:

Mr. Dalton has experience in the planning and execution of geotechnical engineering. His background has included field exploration (borings, test pits, in-situ testing, geophysical exploration, instrumentation), laboratory testing, evaluation and analysis of data, and preparation of geotechnical reports.

ELEMENTARY AND MIDDLE SCHOOL SITE, Frederick County, MD. Geotechnical investigation for the site of proposed school. Performed preliminary studies at 3 sites and one site was selected based on this study. Final geotechnical study was performed at the site and precautions were taken to minimize the impact of potential solution activity of underlying carbonate (limestone) bedrock.

PACQUIN JUNIOR AND SENIOR HIGH SCHOOL ADDITIONS, Baltimore, MD. Geotechnical Engineer. The new addition was designed to bear on existing poor soil condition and to minimize total and differential settlements, soil modification was utilized.

MORGAN STATE UNIVERSITY - CAMPUS EXTERIOR SIGNAGE PROJECT, Baltimore, MD. Geotechnical Engineer. This project consisted of designing new signs, light poles and landscape planters throughout the campus. Scope of services included subsurface investigation, laboratory testing, chemical analysis of soil for nutrient requirements for landscape areas and providing a geotechnical engineering report.

COLLEGE OF NOTRE DAME OF MARYLAND, Baltimore, MD. Geotechnical Engineer and Construction Phase Support. This project included design and construction of a new entrance road, new parking lot and Storm Water Management Facilities. Services included subsurface

investigation, laboratory testing, analysis and preparation of a geotechnical engineering report.

ASHBURTON ELEMENTARY SCHOOL, Baltimore City, MD. Geotechnical Engineer. This was a multi-story school building and gymnasium construction. The site is located in an urban area with several physical site constraints.

TOWSON UNIVERSITY CAMPUS, Towson, MD. Geotechnical engineer for the electric and communication duct bank design. This project included subsurface investigation & preparation of a geotechnical engineering report and preparing a construction cost estimate.

2 ACRE SITE EVALUATION, Howard County, MD. Geotechnical Engineer for evaluation for suitability of development. The site has been graded which required cuts and fills for a building pad and utility installation had been completed at the site; however, there were no records for fill placement/compaction. Evaluation included test borings in cut areas to evaluate subsurface conditions and electric cone penetration test on a 20 foot grid pattern in fill area and over utility trenches. The data was evaluated and a geotechnical engineering report prepared.

18 WEST SARATOGA ST PROPOSED CONDOS AND GARAGE INVESTIGATION, Principal. A geotechnical investigation was performed for a proposed 9 story condominium and multi-level parking garage in downtown Baltimore. The site is an existing 2-level parking garage. Column loadings for the condominiums were in the range of 250 to 400 tons. A total of 5 test borings were drilled to a depth of 80 to 90 feet to evaluate the subsurface conditions at the site. Several different types of foundation options were evaluated. Use of pressure-grouted piles were considered the most suitable type of foundation for the structure. Driven piles were not recommended because of the potential for vibrations to cause settlement of the immediately adjacent buildings.

NCO CLUB BUILDING EVALUATION, Bolling AFB, Washington, D.C. Geotechnical Engineer for evaluation of the cause of distress to the NCO Club building. The original structure was constructed in mid 1970 and was supported on spread footings. In the mid 1980's, an addition was added which was supported on pile and the building experienced differential settlement. Scope of work included evaluating the cause of distress and recommending corrective actions.

Morgan C. France, Prop.L.S., P.E. Land Surveyor

Active Registration:

1976 R.L.S West Virginia Registered
#575

1994 P.E. West Virginia Registered
#1249

2009 ASFPM Certified Floodplain Manager (CFM)

Years Experience: 34

Education:

BS 1964 California State College

MS 1968 University of Pennsylvania

Additional Engineering Classes

1982 West Virginia University

Experience:

Mr. France has provided engineering and surveying services and his experience includes site development designs, industrial park projects, water and wastewater projects, surveys, subdivisions, project site and utility designs, municipal projects and construction stakeout services. Major surveys include the Route 219 highway bridge at Deep Creek Lake, the State of MD-Fresh-Bittinger dispute, the Wellborn-Frantz dispute, the route survey for the Glendale Bridge replacement, precise leveling for the Pennsylvania Electric Company and FEMA through Allegany County, MD, the survey of the Deep Creek Lake property line, two annexations to Mountain Lake Park, and three annexations to Oakland.

YOUGH GLADES ELEMENTARY SCHOOL, Garrett County, MD. Site civil engineering subcontract, which includes property line surveys, topographic surveys, site grading plans, parking lot layouts, applications for state highway and county roads entrance permits, stormwater management designs and permit applications, site utility designs including, wastewater, electric, and telephone service.

CENTER STREET SCHOOL RENOVATION, Oakland, MD. Subcontractor for site civil tasks related to renovation of historic school building and a large addition, including property line surveys, topographic surveys, site grading plans, applications for state highway and county roads entrance permits, stormwater management designs and permit applications, water service for potable and fire control use, wastewater, natural gas, electric, and telephone service.

DEEP CREEK LAKE PROPERTY LINE SURVEY, Deep Creek Lake, Garrett County, MD. Surveyor in

charge for this project. There are over 200 miles of property lines and over two thousand adjoining property owners. Primary control was established using GPS for the photo control points and primary triangulation stations. Secondary control was triangulated using precise methods with Wild T-2 Theodolites and Leica DI-1000 distance meters. Tertiary control was accomplished using closed loop traversing procedures. The positions of the property corners (1,350) were adjusted using Starnet least squares programs. Three hundred fifty concrete monuments were replaced or reset. 87 D-size drawings were recorded. Over two thousand parcels were monumented, platted, described and submitted to the State of Maryland for conveyance to adjoining.

FAIRMONT STATE COLLEGE PARKING GARAGE, Fairmont, West Virginia. Surveyor and Engineer for Design Build of a parking structure @ the college.

ALLIANT TECHSYSTEMS, INC., Rocket Center, WV. Engineering services for the installation of a test well and monitoring well. Test well will be reconstructed into a production gravel pack well for the purpose of supplying an alternative water source for the Allegany Ballistics Laboratory campus.

NED POWER OPERATION AND MAINTENANCE BUILDING SEWER PROJECT, Mt. Storm, WV. The Ned Power sewer job was a time and material contract to design and permit a new sewer system. The sewer project is located south of State Route 93 in Grant. The system consisted of a pumping station, septic tank, distribution boxes, and absorption bed for a 13,700 sq. ft. operations and maintenance building. The project included topographic mapping and location mapping.

SHORELINE JOINT VENTURE, McHenry, Garrett County, MD. Engineer in charge of the project, which includes property line surveys, topographic surveys, site grading plans, applications for state highway and county roads entrance permits, stormwater management designs and permit applications, site utility designs including, wastewater, electric, and telephone service.

PENNSYLVANIA ELECTRIC COMPANY VERTICAL CONTROL, Central Garrett County, MD. Surveyor in charge for seventeen-mile precise leveling loop that included four permanent bench marks around Deep Creek Lake.

William B. Rockey, P.E., LEED A.P. Principal Structures

Active Registration:

1994 P.E. Maryland Registered #19809
2009 LEED Accredited Professional
(LEED A.P.)

Years Experience: 27

Education:

1982 B.S. Civil Engineering - Geneva
College

Experience:

William Rockey is responsible for the overall management of the Building Structural Division. William Rockey's experience includes multiple project management and design of building structures. His broad range of experience encompasses a wide variety of building projects including new construction, renovations / additions and adaptive re-use of existing facilities.

HANNAH MORE STRUCTURAL EVALUATION, Reisterstown, MD. Principal for investigation, evaluation and remedial repair recommendations to the existing Administration Building and Chapel. The existing Administration Building is a 4-story brick masonry and wood framed structure original built in the 1800's. The original building was renovated in the 1980's, during which an elevator and a single story senior center were added. Prepared a report of the existing condition of the building, an engineering analysis of the three framed floors to determine the safe live load capacity of these floors and recommended stabilization type remedial repairs.

THE LEAGUE FOR PEOPLE WITH DISABILITIES, INC., Baltimore, MD. Principal for the Evaluation of the condition of the existing complex of buildings and incorporated results into a report. The complex consists of a gymnasium, pool, multi-purpose area, health clinic and administrative area. The structural evaluation focused on identifying signs of distress, deterioration, settlement, or misalignment. Structural members that were visible were examined for indications of deflection, buckling, bowing, excessive movement, water damage or decay. The condition of foundation areas, slabs on grade and foundation walls, roof areas and exterior walls were also visually examined to determine overall condition.

ONE CENTER PLAZA - 120 WEST FAYETTE STREET BUILDING EVALUATION, Baltimore, MD. Principal for Structural evaluation including a review of the existing drawings and a field inspection

encompassing all areas of the building that were visible and accessible. The evaluation focused on identifying signs of distress, deterioration settlement, movement or misalignment.

POWER PLANT LIVE (THE BROKERAGE) - STRUCTURAL EVALUATION, THE CORDISH COMPANY, Principal In Charge for the general review and documentation of this two building office/entertainment complex consisting of a 9-story office and retail building including a parking garage, and the adjacent 2-story bazaar building. .

ERMA ORA BYRD HALL. W.V. SHEPHERD UNIVERSITY, ACADEMIC/NURSING BUILDING, Principal for the design of a new academic building primarily utilized to house the nursing school. The building will also serve the general needs of the campus population. The building is 35,000 square feet, two stories in height and constructed into the side of an existing slope. The remainder of the building will house typical academic and administrative spaces.

BOARMAN ARTS CENTER, Martinsburg, West Virginia. Principal In Charge for the adaptive reuse of a historic building into a 5-story, 23,000 square foot Center for the Arts to serve the community. The adaptive reuse was intended to restore the exterior envelope to its former glory and modify the building's interior to accommodate art studios, galleries, a performance hall, administrative and other support spaces while conserving the existing architecture. The existing building was a 5-story structure containing wood framed floors and roof supported by masonry exterior bearing walls. The interior of the building was supported by a combination of cast iron framing and masonry bearing walls. Structural modifications included a new loading dock, a new east exterior stair and a new ADA compliant entry ramp, and a new stair and elevator.

FRANK ART CENTER, SHEPHERD COLLEGE, Shepherdstown, W.V. Principal Structural Engineer for a 2 Phased, 6786 square foot \$2.5 million renovation and addition to the existing music department building. The addition consists of a 1,700 square foot practice room which contains a number of pre-fabricated sound isolation rooms, a 3,600 square foot rehearsal hall with 28' high ceiling, a new covered loading dock and a new entrance lobby. The entrance lobby is constructed of architecturally exposed structural steel members with a semi-circular glass wall.

Richard A. Beard, P.E., LEED AP

Structural Engineer

Active Registration:

2002 P.E. West Virginia Registered #15145
2009 March LEED Accredited
Professional (LEED AP)

Years Experience: 24

Education:

B.S.C.E. 1985 Civil Engineering -
Structural, University of MD. College
Park, MD

Experience:

Mr. Beard specializes in complete administration of various types of construction projects including work for State, Local and Federal Governments, private sector work for industrial and commercial clients, and design-build projects. His experience also includes analysis and design for various materials in accordance with the governing codes. He has performed work such as site location of structures, marina layouts, storm water management analysis and controls design, sediment controls, dam breach analysis, and site grading. He has a diverse background in the design and evaluation of commercial and industrial facilities, educational facilities, government projects at all levels, marinas and bridges, and he has been assigned to numerous field condition surveys for structures.

SALISBURY STATE COLLEGE, Salisbury, MD. Lead Project Designer for the structural evaluation, design and construction documents of a new 114,000 s.f., 3-story, steel frame and masonry Student Center. Design included brick arches, spandrels, atrium, auditorium and theater spaces, and support of large roof top mechanical units.

TOWSON UNIVERSITY INDEFINITE DELIVERY CONTRACT, Towson, MD. Program Manager for and On call, indefinite delivery contract to provide field inspections, evaluation, analyses and design for structural repairs, additions and new buildings. Work included civil and structural engineering surveys and the preparation of plans, specifications and cost estimates. Projects included facade repairs to the brick fascia at Smith Hall, investigation and analysis of the twin span concrete/steel pedestrian bridge at Burke Avenue, and conceptual design of parking lots.

COMMUNITY COLLEGE OF BALTIMORE BUILDING EVALUATION AND REPORT, Essex, MD. Project Engineer for the condition study performed on two buildings. The project scope included site visits,

preliminary evaluation, and letter report with preliminary conclusions and recommendations for additional work for the following conditions:

GOUCHER COLLEGE ADDITION AND RENOVATIONS

Towson, MD. Project Manager for the renovations and addition to student center, including removal of existing walls while school was in session. Work involved field investigation, analysis, evaluation and designs associated with modifications to the interior walls, reconfiguring of interior space, tenant fit-ups and the new addition. Construction consisted of a two-level roof with hollow-core concrete plank supported on steel beams, steel columns, and concrete spread footings. Columns adjacent to the existing building were supported partially on the existing foundations and partially on new foundations tied to the existing. Work performed included design and preparation of construction plans, specifications and cost estimates.

ANNE ARUNDEL COUNTY PUBLIC SCHOOLS,

Evaluations Reports for four elementary schools. These reports consisted of a general description; component evaluation survey; evaluation and life expectancy, deficiencies, prioritization and remediation; preservation and maintenance and general description.

NORTH CAROLINE HIGH SCHOOL SCIENCE CENTER,

Denton, MD. Structural design for renovation and 7,500 s.f. one-story addition with crawl space to house three science classrooms/labs, greenhouse and auxiliary space.

LEWIS MOTOR COMPANY INVESTIGATION AND RENOVATION,

Laurel, MD. Project Manager and structural engineer of a multi disciplinary team for code compliance assessment and minor tenant modifications. The existing 50,000 square foot, steel framed, structure previously housed a car dealership, with several building and fire code violations. The new owner wished to bring the building into compliance with the current county codes and improve the exterior façade. The team performed a field investigation and developed a compliance plan that was accepted by the county. The plan required a new water service to allow installation of a new sprinkler system, design of a sprinkler system, and the installation of a new exit stair tower. The team prepared construction documents for these items, and the demolition of an existing 4,000 square foot canopy and improvements to the existing parapet.

Mark F. Degasparre, P.E

MEP Divisional Manager

Active Registration:

1997 P.E. West Virginia Registered
#13200

Years Experience: 19

Education:

B.S. 1989 Electrical Engineering Johns
Hopkins University

Experience:

Mr. DeGasparre is the MEP Division Manager responsible for overall management of the mechanical/electrical department. He serves as personnel supervisor and generally oversees the department's project managers and project engineers. His duties include implementing project design quality control, project and staff scheduling, marketing, and establishing and monitoring project budgets. Project designs include indoor and outdoor medium and low voltage power distribution, indoor and outdoor lighting, fire alarm and security systems, and other miscellaneous special systems.

Mark also continues to act as Project Manager. In this capacity he is responsible for client contact, project budget and schedule monitoring, and coordination with other engineering disciplines including civil and structural. He also continues to serve as electrical project engineer where he is responsible for electrical design, preparation of contract drawings and specifications, cost estimation and construction services. He has worked with various agencies of the federal, state and municipal governments.

BUILDING 5 RENOVATION, JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LAB, Howard County, MD. Project Manager and Electrical Engineer to renovate Building 5 to provide new offices, conference areas and optic laboratory spaces. The occupied phased renovation required a design solution to keep the facility in full operation throughout the entire construction phase of the project. The electrical service and distribution systems were upgraded and modified to suit the new building's layout. Previously combined emergency and standby circuits were redistributed to separate panels from the remote generator to meet current codes. The conference room was provided with a combination of indirect and direct lighting and controlled by lutron grafik eye present dimming system. Special systems included addressable fire alarm, telephone, and local area

network. The design included ADA renovations and upgrades to the existing toilet rooms.

TOWSON HIGH SCHOOL RENOVATIONS, Baltimore County, MD. Provided electrical construction phase services for complete renovation of existing 200,000 square foot high school building including new music wing, science/lab spaces, an area dedicated to child care development training and a cafeteria addition. Project included administrative communications and media retrieval system and distance learning center. Stage dimming and sound systems were provided for the auditorium.

THE LEAGUE FOR PEOPLE WITH DISABILITIES, INC., Baltimore, MD. Electrical Engineer for the evaluation of the condition of the existing complex of buildings. A report was developed with the results. The complex consists of a gymnasium, pool, multi-purpose area, health clinic and administrative area. The mechanical, electrical, and plumbing systems were evaluated for general compliance with current building standards and the local building codes. These systems were inspected to determine their overall condition and to identify any equipment that was a failed condition, or operating in such a manner as to indicate that failure was imminent. General equipment maintenance type issues were not addressed.

LEWIS F. POWELL COURTHOUSE ANNEX ELECTRICAL FEASIBILITY STUDY, CLEAN POWER FOR COURTHOUSE NETWORK EQUIPMENT, Richmond, VA. Project Manager for Electrical Feasibility Study of the 6th Floor computer network system and support equipment at the Circuit Executive Office of the Lewis F. Powell Jr. Courthouse Annex. The study included interviews with GSA and court representatives to determine project requirements, a site survey to develop an understanding of the existing systems, verification of the existing building emergency electrical system and its ability to support the system during a failure of normal facility power and the preparation of a report containing an analysis of the sixth floor computer network, a determination as to the adequacy of the existing emergency generator, a budgetary construction cost estimate consistent with the level of the study and an overall project schedule. (for any identified remedial design, procurement and construction).

Stephen W. Manetto, P.E., LEED A.P.

Chief Mechanical Engineer

Active Registration:

1998 P.E. Delaware Registered #11519
1997 P.E. Maryland Registered #22514
2004 August LEED Accredited Professional
(LEED A.P.)

Years Experience: 24

Education:

B.S. 1984 Mechanical Engineering,
Johns Hopkins University

Experience:

Mr. Manetto is a mechanical engineer, and supervisor for the project design including HVAC, chilled water, heating water, steam/condensate return systems, underground utility distribution, and chiller/boiler plants. His experience includes BOCA energy calculations, heat loss/heat gain calculations, cost estimates, economic analyses, building HVAC design, studies for existing mechanical systems and energy consumption calculations.

HAMPSTEAD ELEMENTARY SCHOOL EVALUATION, Carroll County, MD. Project Manager for an HVAC Scope Assessment to evaluate the existing heating, ventilating and air conditioning systems and impacted architectural elements serving the school and provide budget cost estimates associated with the upgrading/replacing of existing systems/components.

WESTMINSTER WEST MIDDLE SCHOOL, HVAC EVALUATION/UPGRADE, Carroll County, MD. Project Manager for the Review of the 2001 Feasibility Report and providing design services for implementing the recommended alterations and replacements. The scope included design and construction administration services for the installation of air-conditioning and HVAC replacement to include boilers, heating water pumps, unit ventilators/fan coil units, increased electrical service, lighting, fire alarm system, etc.

MOUNT deSALES ACADEMY BUILDING, SYSTEMIC EVALUATIONS, Baltimore County, MD. Project Manager for performing a Mechanical and Electrical Systemic Evaluation of the existing Academy Building. The existing Academy building is a 4 story structure of which only the lower 3 floors are presently occupied. The age of the building is estimated to be in the range of 100 to 150 years. The evaluation determined the overall condition of the building and M/E systems. An

evaluation report was prepared for use in connection with the planning of building upgrades, starting with the electrical and fire protection upgrade.

THE LEAGUE FOR PEOPLE WITH DISABILITIES, INC., Baltimore, MD. Mechanical Engineer for the evaluation of the condition of the existing complex of buildings and incorporated results into a report. The complex consists of a gymnasium, pool, multi-purpose area, health clinic and administrative area. The mechanical, electrical, and plumbing systems were evaluated for general compliance with current building standards and the local building codes. These systems were inspected to determine their overall condition and to identify any equipment that was a failed condition, or operating in such a manner as to indicate that failure was imminent. General equipment maintenance type issues were not addressed.

IMMACULATE CONCEPTION STUDY, Towson, MD. Principal, Performed a study to determine if the new multi-purpose building was more economical to heat with electric or utilize the existing steam boilers located in the high school. A heat load calculation was performed and existing capacities of the boilers was field verified. Calculations indicated the existing boilers had sufficient extra capacity to heat the new multi-purpose building. Further calculations indicated it was more economical to heat the building using the existing steam boilers in lieu of electric resistant heat. A steam to heating water exchanger, pumps, chemical water treatment and expansion tank was incorporated into the design and piping extended to the new multi-purpose building.

KESWICK MULTI-CARE CAMPUS FACILITY DUE DILIGENCE, Baltimore, MD. A survey of the Keswick Facility Campus was undertaken and completed. The survey encompassed all aspects of the existing campus site, interior and exterior portions of the various buildings. This included both public utility and private utilities to the campus including public water and sewer and BGE electrical power. The campus building utilizes its own steam power plant comprising both high and low pressure boilers operated by qualified Keswick employees. Provided the Keswick Facility with a final report incorporated photographs, future work that will have to performed, energy saving measures, cost approximations, etc.

John Wettengel, P.E., LEED AP

Senior Mechanical Engineer

Active Registration:

1993 P.E. Maryland Registered No. 20350

2009 March LEED Accredited Professional (LEED AP)

Years Experience: 35

Education:

A.A. 1979 Capitol Institute of Technology; Johns Hopkins University - Whiting School of Engineering

Experience:

Mr. Wettengel is responsible for project management for several projects. John is responsible for client contact and daily project duties including coordination with the client's needs, interfacing with architectural, structural, and civil disciplines, and coordination within the Mechanical and Electrical department. John negotiates fees, prepares contract drawings, specifications, cost estimates, and oversees construction administration on projects.

DULANEY HIGH SCHOOL, Cockeysville, MD. Replacement of two (2) existing brick base mounted cast iron oil fired boilers with two (2) gas fired firetube boilers and replacement of support equipment. This included a new gas fired domestic water heater to allow domestic water generation without firing boilers. Upgraded boiler room ventilation to be code compliant and provided a new gas service to the building to allow removal of the existing fuel oil tanks.

OLIVER BEACH ELEMENTARY SCHOOL, Chase, MD. Project included infrastructure upgrade of existing mechanical and electrical systems and cosmetic upgrades to architectural finishes. Project also included Life Safety Code upgrades and ADA upgrades of toilet rooms. Replaced unitary equipment throughout the building and provided for new air cooled chiller, air handling units, pumps, controls, and piping upgrades. Existing oil burners were removed from boilers and a new gas service was brought in to serve new gas burners and gas fired domestic water heater. Sprinkler system provided to provide life safety upgrades.

WINDORS FARM ELEMENTARY SCHOOL AND CROFTON MEADOWS ELEMENTARY SCHOOL, Anne Arundel County, MD. Mechanical Engineer for two elementary schools. Both schools were renovated to remove the existing Ice Storage/Harvesting units serving the schools' cooling needs replaced with more conventional air cooled chillers located on

grade. All of the major heating and cooling central plant components located in the Boiler Rooms for both schools were replaced and upgraded to serve the present heating and cooling load of the schools. The new air cooled chillers allow for easier operation and maintenance of the cooling systems and offer increased reliability. The new boilers provided with dual-fuel gas-oil burners to allow for future energy choices depending on the most economic fuels available. Redundant pumps provided for both the cooling and heating systems to increase the reliability of both systems. Domestic water heaters in both schools were replaced and resized to the actual capacity requirements of the schools.

PARADISE SCHOOL, CATHOLIC CHARITIES OF THE DIOCESE OF HARRISBURG, Abbottstown, PA. Mechanical Engineer for feasibility study for possible upgrade and expansion of this long term, residential care and educational facility. Responsibilities include conducting a needs analysis; conducting an existing facilities assessment; providing conceptual cost estimates; evaluating feasible options; and recommending a preferred option.

HARRISBURG AREA COMMUNITY COLLEGE (HACC), Various Campuses, PA. Mechanical Engineer for the following projects: Gettysburg Campus - MEP due diligence for 100,000 SF building (including geothermal study). Community Center for Technology and the Arts (CCTA) Building - MEP renovation of classroom facility.

CITIZENS CARE CENTER, Harford County, MD. Mechanical Engineer. Participated in a two part study for a 200-bed skilled nursing home. The study included a facility assessment to determine the present condition of the mechanical, electrical and plumbing systems and working with the client and architect to determine the beneficial future for the nursing home. The report also addressed ADA related mechanical and electrical issues and structural deficiencies of the facility. The owner decided to construct the first phase of the report and replace the boiler in Building One. The existing boiler was removed and the new boiler installed which was sized for the combined heating load for Buildings One and Two. The boiler piping was connected to the reconfigured dual temperature water piping which allowed for a future tie in with Building Three.

Scott M. Menegatti, P.E., LEED A.P. Electrical Engineer

Active Registration:

2006 P.E. Maryland Registered
33735

July 2004 LEED Accredited Professional
(LEED A.P.)

Education:

BS 1992 Electrical Engineering
Virginia Polytechnical Institute and
State University

Years Experience:

15

Experience:

Mr. Menegatti has experience working on many different types of electrical engineering projects which include the design of indoor and outdoor medium and low voltage power distribution, indoor and outdoor lighting, fire alarm and security systems, and other miscellaneous special systems.

MT. DeSALES ACADEMY BUILDING EVALUATION, Baltimore County, MD. Performed an evaluation of the Mt. DeSales Academy building. The existing condition of the panel's electrical distribution system and fire alarm system was performed throughout the four-story 109,000 square foot building. During this evaluation recommendations were made concerning conditions that did not meet code. In addition, we provided evaluations of how future requested work would impact the building system and the changes that would be required. A cost estimate was performed for all of the future work.

MOTHER SEATON-BUILDING EVALUATION, Electrical Engineer for the mechanical, electrical and plumbing evaluation of the interior levels of a 10,200 square foot building. We evaluated all internal mechanical, electrical and plumbing systems including accessible heating plants, gas distribution systems, domestic and fire water services, sanitary systems and plumbing fixtures, lighting, power distribution, telephone and data communications, security, and energy monitoring systems, as applicable. We reviewed each of these interior mechanical and electrical building systems for general compliance with current building standards and the local building codes. We identified any obvious maintenance issues observed during our site visit.

PERRYPOINT MECHANICAL SYSTEM REPLACEMENT, Perrypoint, MD. Provided electrical design on the in-kind replacement of HVAC equipment at the Perrypoint VA hospital. Electrically, we provided motor starter disconnect switches and new wiring for numerous HVAC units.

KESWICK BUILDING EVALUATION REPORT, Baltimore MD. Provided an existing conditions report on the facility. This complex is made up of a number of buildings including Coggins North and South, Baker Building, Bauernschmit Building and the Auditorium Building. The report consisted of visiting the site and performing a walkthrough of the various buildings and making note of equipment and their current condition. Since the buildings were constructed at different times and the buildings were renovated at different times, the equipment's condition varied greatly. Following the walkthrough and the initial report, a list of the recommendations and their varying degrees of importance was generated and provided to the owner with ball park recommendations for the cost associated with correcting these issues.

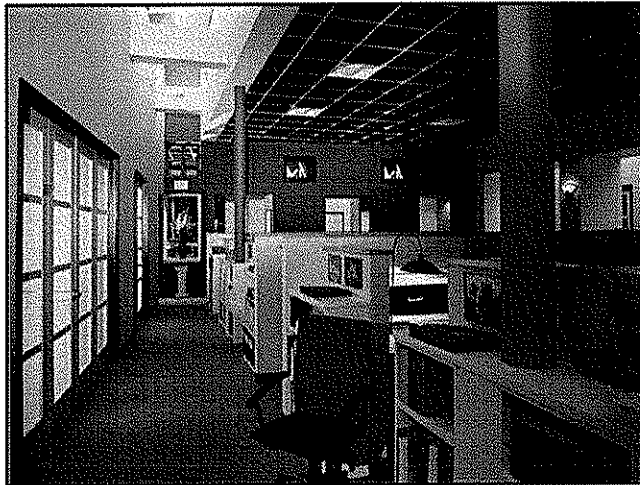
BROOKSHIRE APARTMENTS, New Jersey. Provided electrical consultation on a four-story apartment building. Visited the site and offered some suggestions on some changes that could be made to see that the building passed electrical inspection.

RUSTY SCUPPER ELECTRICAL FOR HVAC STUDY/UPGRADE, Baltimore, MD. Electrical Engineer for a study of the existing electrical connections for the mechanical equipment to be replaced. An evaluation was completed to determine if the existing circuits and breakers would be sufficient for select equipment changes and if an electrical upgrade of the building service would be required to complete all of the mechanical upgrades.

The League For People with Disabilities Baltimore, Maryland

OWNER:

The League for People with Disabilities
1111 East Cold Spring Lane
Baltimore, MD 21239-3998
Ms. Janice Frey-Angel
410.323.0500



Century Engineering performed visual surveys for the purpose of evaluating the condition of the building's structural, electrical, mechanical, and plumbing systems of the League for People with Disabilities Facility.

The structural evaluation focused on identifying signs of distress, deterioration, settlement, or misalignment. Structural members that were visible were examined for indications of deflection, buckling, bowing, excessive movement, water damage or decay. The condition of foundation areas, slabs on grade and foundation walls, roof areas and exterior walls were also visually examined to determine overall condition.

The mechanical, electrical, and plumbing systems were evaluated for general compliance with current building standards and the local building codes. These systems were inspected to determine their overall condition and to identify any equipment that was a failed condition, or operating in such a manner as to indicate that failure was imminent. General equipment maintenance type issues were not addressed.

A report was prepared with field observations detailed underscoring deficiencies and defects. Recommendations were presented with associated cost estimates.

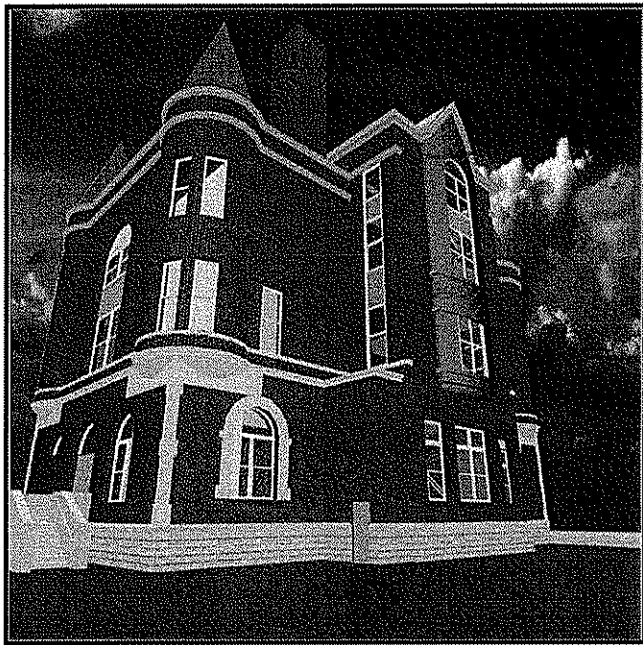
The challenge of this evaluation was identifying any deficiencies without disrupting the building occupants, but still providing the owner the useful information. This involved continuous coordination with the administrative and maintenance staff of the building as well as careful examination of all accessible parts of the building.

Boarman Arts Center, Martinsburg, West Virginia

OWNER:

The Arts Centre
229 East Main Street
Suite 300
Martinsburg, WV 25401
Ms. Patricia Perez
Executive Director
304.876.0922

COMPLETION DATE: 2005



Century provided Structural and Civil Engineering.

This project involved the adaptive reuse of an historic building into a Center for the Arts to serve the community. The existing facility was originally constructed in the late 1890's as a courthouse and post office. Over the years, a succession of owners, including the federal government, altered the building in a variety of ways. Despite the numerous renovations, the magnificent brick exterior and most of the original interior architecture was preserved. The adaptive reuse was intended to restore the exterior envelope to its former glory and modify the building's interior to accommodate art studios, galleries, a performance hall, administrative and other support spaces while conserving the existing architecture.

The existing site was bounded on two sides by public streets. A narrow driveway connected both streets by looping around the rear and side of the building. Little or no onsite parking existed. A small grassed area provided open space on one side and the rear of the building.

The proposed design required redevelopment of the existing site. Both existing entrances were widened and a new parking layout was constructed to enhance traffic circulation on the site. A new site retaining wall was provided to address existing site grades while allowing expansion of the existing parking. New hardscape paving and a domestic water service upgrade were furnished.

Mother Seaton Building Evaluation, Baltimore, MD

OWNER:

Mother Seaton Academy
724 South Ann Street
Baltimore, Maryland
Sister Mary
410.563.2833

The project included the evaluation of the structure and mechanical/electrical systems of a 10,200 square foot building structure.

Structural Evaluation: Our field inspection included areas of the building that were visible and accessible without removing or damaging the existing construction. Our evaluation indicated signs of distress, deterioration, settlement, movement and misalignment.

The foundation areas were checked for condition of visible foundation elements, slabs on grade and foundation walls. The roof areas that were accessible were checked for evidence of water infiltration and condition of visible framing. The exterior walls were visually examined to determine overall condition. An exterior wall inspection was performed using binoculars from the street level.

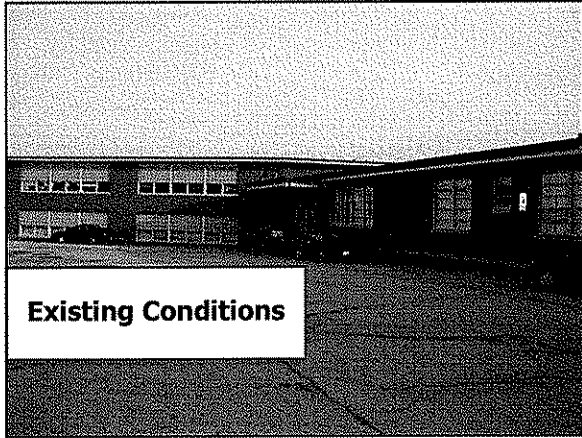
Mechanical/Electrical/Plumbing Evaluation: The mechanical, electrical and plumbing evaluation included both interior levels of the building. We evaluated all internal mechanical, electrical and plumbing systems including accessible heating plants, gas distribution systems, domestic and fire water services, sanitary systems and plumbing fixtures, lighting, power distribution, telephone and data communications, security, and energy monitoring systems, as applicable. We reviewed each of these interior mechanical and electrical building systems for general compliance with current building standards and the local building codes. We identified any obvious maintenance issues observed during our site visit.

Our inspection activities and findings were summarized in a narrative report. The report described the areas inspected, defects found, general conditions, and provided recommendations for further investigation that might be warranted.

HVAC Upgrade and A/C Improvements Westminster West Middle School Carroll County, Maryland

OWNER:

Carroll County Board of Education
125 North Court Street
Westminster, Maryland 21157
Mr. Jim Marks
410.751.3129



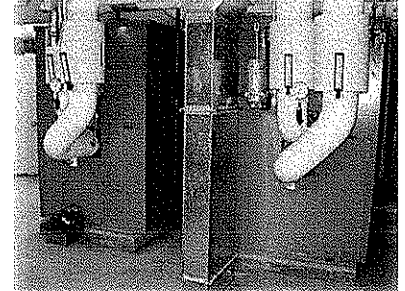
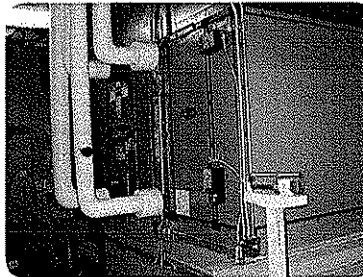
The existing single and two-story school built in 1958, including the additions constructed in 1965 and 1968, totals approximately 120,000 SF. The original 100,000 square foot building was not air conditioned with the exception of a variety of individual spaces including the administration area and the band room, while the additions constructed in 1965 and 1968 were not air-conditioned at all. Another addition constructed in 1996 included additional administrative areas, a media center, and an auxiliary gymnasium. This media center was air conditioned by a rooftop unit equipped with a DX coil and electric heat, and the auxiliary gymnasium was heated and ventilated by a rooftop unit equipped with electric heat. The new administration area was cooled by a separate 5-ton split air conditioning system and was heated by hydronic baseboard. The 1996 addition was not included in the scope of this project.

Central System: The 120,000 square feet of school that were to be heated and air-conditioned under this project required approximately 400 tons of cooling and 5900 MBH of heating. The existing oil fired boilers were removed and replaced by three

gas fired cast iron sectional boilers and an existing 2-psi gas service was extended to serve these new boilers. An existing 10,000 gallon underground oil tank and all appurtenances were no longer needed and were completely removed. The existing heating system was removed in its entirety with the exception of some hydronic baseboard and cabinet unit heaters that were left in place in selected areas of the building. New dual temperature piping was extended from the boiler room to all new heating and heating/cooling equipment. The combustion air louver and associated motor operated damper was interlocked with the boiler burner and domestic water heater burner through the system of automatic temperature controls. Two new 200-ton air-cooled screw chillers located in the boiler room now provide chilled water to all of the central cooling plant equipment installed under this project. The new air-cooled condensers are located on the roof. Our selection of this type of HVAC system was based on space limitations, life cycle cost data, structural issues, humidity control concerns, budget, schedule and acoustics.

2-pipe/Boiler/Chiller/Fan Coil Unit/Unit Ventilator:

Each classroom was previously served by a floor mounted, 3 ton 2-pipe unit ventilator with 3-way automatic temperature control valves provided for the dual temperature unit ventilator coils. Under this project, each of these unit ventilators was removed, and each classroom was provided with its own thermostat or sensor. Outside/exhaust air for the classrooms is now provided by four 100 % outside air rooftop units equipped with an energy reclaim wheel, a preheat coil, a chilled water coil, a reheat coil, a supply fan, and an exhaust fan. Each new rooftop unit was provided with electric strip heaters which are to be connected to an emergency generator which is to be installed under another contract in the near future. A new built-up air handling unit was provided for conditioning of the



Montgomery County Public Schools

Montgomery County, MD

OWNER:

Montgomery County Public Schools
Division of Construction
2096 Gaither Road
Suite 203
Rockville, MD 21085
Mr. James Song
240.314.1005

COMPLETION DATE: 2012

Watkins Mill High School, Montgomery County, MD. Century provided Survey and Civil Engineering to evaluate the repair of an extremely eroded storm drain outfall. This outfall resides entirely on the neighboring MNCPPC Great Seneca Park property and conveys approximately 13 acres of the school's stormwater drainage. No onsite stormwater management currently exists for the school. The ongoing erosion currently has the school's main sanitary sewer discharge pipe fully exposed and undermined. Portions of the existing eroded outfall are incised by as much 12 feet from the original channel surface. Century developed conceptual channel and stream repair drawings. We are currently waiting for funding to proceed with final design and permitting. This project will ultimately require approvals from Montgomery County Department of Permitting Services, Montgomery County Department of Environmental Protection, Maryland Department of the Environment, Maryland National Capital Park and Planning, and the Army Corps of Engineers.

Montgomery Knolls Elementary School, Montgomery County, MD. As part of a major addition to the existing school building which will be LEED certified, CEI performed a feasibility study and thereafter Surveying and Civil Engineering for the final design of a 39,000 square feet building expansion, a minor parking expansion, improved pedestrian and vehicular circulation, ADA accessibility, relocated hard surface and soft surface play areas, a renovated kindergarten play area, a relocated general purpose athletic field and a new loading and service area. The project involved a major stormwater management retrofit since the building addition will displace the existing stormwater infiltration device. The stormwater design will

therefore address stormwater water management for both the existing school building and the proposed building addition. Stormwater management will consist of three below grade sandfilter vaults and approximately 1000 linear feet of below grade stormwater storage pipe. The project will require Sediment Control Permit Approval through Montgomery County Department of Permitting Services and Mandatory Referral Approval from the Maryland National Park and Planning Commission. A new Onsite Water and Sewer Plan will be prepared and approved by Washington Suburban Sanitary Commission in order to relocate the building's water service and an onsite fire hydrant. This project will also involve a detailed Natural Resources Inventory and Forest Stand Delineation and full compliance to the Forest Conservation Law by way of a Forest Conservation Plan.

Galway Elementary School: Century provided Survey and Civil Engineering for a partial teardown of approximately 2/3 of the existing school and complete renovation of the remainder. Program components also included relocation and expansion of the faculty and visitor parking lot, relocation of onsite play areas, an expanded bus only drop-off loop that is striped to second as an after hours event parking facility. Retrofitted the entire school property as well as an existing/adjoining parent drop-off loop located on MNCPPC property with modern water quality management and channel protection storage by way of 4 below grade sandfilter vaults and over 1,060 5-foot diameter below-grade storage pipe. Also involved a retrofit of a complete ADA loop around the perimeter of the new building to allow for access to several new onsite play areas including both secure and non-secure areas.

Bells Mill Elementary School: As part of the Public Schools System's "Improved Access to Schools" initiative performed feasibility analysis for parking expansion, improved pedestrian and vehicular circulation, parent drop-off loop, ADA accessibility and separate Bus Drop-Off Zones. Three alternates were presented and the selected scheme was developed for the school's application for funding for the project.