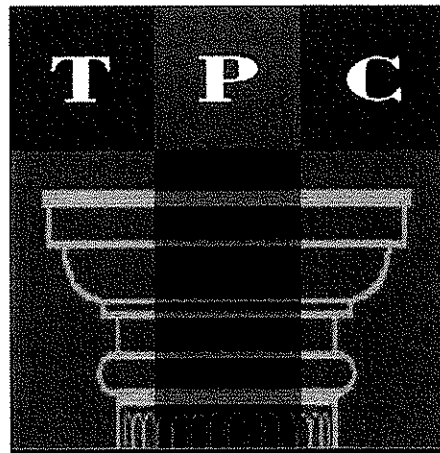


EXPRESSION OF INTEREST

Tri-State AFRC
Addition/Renovation
DEFK 9017



THE
PRINCETON
COMPANIES



PRINCETON DESIGN, PLLC
36855 W. Main Street
Purcellville, Virginia 20132
540-338-1712

RECEIVED

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PURCHASING DIVISION
STATE OF WV

**PRINCETON DESIGN, PLLC
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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 |
| DEFK9017 |

| |
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| PAGE |
| 1 |

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

| | |
|----------------------------|------------------------|
| V E N D O R | RFQ COPY |
| | TYPE NAME/ADDRESS HERE |

| | |
|----------------------------|--|
| S H I P T O | DIV ENGINEERING & FACILITIES ARMORY BOARD SECTION |
| | 1707 COONSKIN DRIVE CHARLESTON, WV 25311-1099 341-6368 |

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|--------------|---------------|----------|--------|---------------|
| 02/25/2009 | | | | |

BID OPENING DATE:

03/17/2009

BID OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|---------------|------------|--------|
| 0001 | 1 | LS | | 906-00-00-001 | | |
| ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL | | | | | | |
| CONTRACT TO PROVIDE ARCHITECT & ENGINEERING SERVICES FOR THE WEST VIRGINIA NATIONAL GUARD, FOR AN ADDITION AND RENOVATION TO THE KENOVA, WV ARMORY, PER THE ATTACHED DOCUMENTATION. | | | | | | |
| NOTICE | | | | | | |
| A SIGNED BID MUST BE SUBMITTED TO: | | | | | | |
| DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 | | | | | | |
| THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: | | | | | | |
| SEALED BID | | | | | | |
| BUYER: JOHN ABBOTT----- | | | | | | |
| RFQ. NO.: DEFK9017----- | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|-----------|-----------|-----------------------------------|
| SIGNATURE | TELEPHONE | DATE |
| TITLE | FEIN | 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

DEFK9017

2

ADDRESS CORRESPONDENCE TO ATTENTION OF:

JOHN ABBOTT
304-558-2544

RFQ COPY

TYPE NAME/ADDRESS HERE

DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

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

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
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| 02/25/2009 | | | | |

BID OPENING DATE:

03/17/2009

BID OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT. NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
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| BID OPENING DATE: | | | | 3/17/2009----- | | |
| BID OPENING TIME: | | | | 1:30 PM----- | | |
| PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: | | | | | | |
| | | | | 540-338-1713----- | | |
| CONTACT PERSON (PLEASE PRINT CLEARLY): | | | | Tom McKay----- | | |
| ***** THIS IS THE END OF RFQ DEFK9017 ***** TOTAL: | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|-----------|-----------|-----------------------------------|
| SIGNATURE | TELEPHONE | DATE |
| TITLE | FEIN | ADDRESS CHANGES TO BE NOTED ABOVE |

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

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

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

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

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

ANTITRUST:

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

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

LICENSING:

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

CONFIDENTIALITY:

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

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

Vendor's Name: Thomas B. McKay
Authorized Signature: Thomas B. McKay Date: 3/13/09

**PRINCETON DESIGN, PLLC
EXPRESSION OF INTEREST**

In accordance with the terms and conditions contained in RFQ Number DEFK 9017, Princeton Design, PLLC ("Princeton") is excited to express interest in providing the architectural, engineering, and related services for the planning and construction of an approximately 8,000 square foot permanent multi-use masonry-steel framed addition to the building and miscellaneous renovations for the West Virginia Army National Guard in Cabell County, West Virginia.

We understand the facility will provide the 2/19th Special Forces, WV Army National Guard, additional locker room space, toilet and shower facilities, offices and secured heated storage rooms. The facility will be a multi-use facility typical of a National Guard Armory with updated appearance, function, and integration of advance systems. The facility will also require additional military vehicle parking.

We recognize that functionality is paramount for this type of multi-use facility and the design will need to address a range of needs. Our team has many years experience meeting clients' needs for these types of buildings and believe we can contribute enhanced value to the West Virginia National Guard's goal of improving its facilities for readiness and mission accomplishment.

The primary contact for this RFQ is:

Mr. Thomas B. McKay
Vice President of Development
Princeton Design, PLLC
36855 W. Main Street
Purcellville, VA 20132
Phone: 540-338-1712
Fax: 540-338-1713
Email: tmckay@the-princeton-companies.com

PRINCETON DESIGN, PLLC DESIGN AND ENGINEERING TEAM

Adding value to the communities in which it lives, works, and serves, is part of the mission of the West Virginia Army National Guard. Having the proper facilities in place is a fundamental requirement to allow the Guard to fulfill its mission. Princeton Design has led design teams on numerous multi-use facilities and would team here with H.F. Lenz Company and William H. Gordon Associates, Inc. to ensure the design and engineering of the planned improvements at the Tri-State facility meet the Guard's objectives. Team members' qualifications are outlined below, with more detailed information on each firm provided in the following pages.

Princeton Design, PLLC – Building Architecture and Interior Design

Princeton was founded in 1982 by Mr. Ralph "Rocky" LaRock who continues to serve as president and lead designer of the highly regarded architectural firm. Based in Purcellville, Virginia, the company has worked throughout the eastern United States and provides full service master planning, building design, interior design, architectural, and engineering services.

Princeton's design and architectural experience encompasses a broad range of governmental, commercial and residential properties. While we take care to make sure each design is responsive to its site and environmental context, our starting point is to completely understand the client's budget, programming, and timing goals. From this starting point we begin to think about how to put the building together. For multi-use facilities, we understand the complexities that come with the diverse space requirements and ensure that our designs are fully coordinated and provide the optimal design solutions. Princeton's design team includes LEED certified professionals and we pursue sustainable design goals consistently with our clients' objectives. Our hands-on approach continues throughout the design process and through construction. This approach has allowed us to develop many loyal, repeat clients.

In addition to Princeton's design capabilities, we have affiliated construction and development service arms that assist us with input on pricing and other valuable perspectives during the design process. With our in-house construction group, we are able to utilize real-time, real-world pricing as our design progresses and ensure that project costs will stay within budget.

A listing of representative projects is enclosed to indicate our capabilities. The list includes a number of assembly-type buildings, lodging, and maintenance facilities, as well as governmental structures.

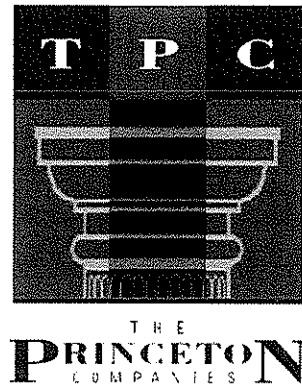
Princeton is licensed in West Virginia and maintains professional liability insurance in an amount that satisfies the requirement as stated in the RFQ.

H.F. Lenz Company – Civil, Structural, Mechanical, Electrical, and Plumbing Engineer

The H.F. Lenz Company has been providing a full range of engineering services for building systems, infrastructure, and industry for over 63 years. H.F. Lenz will serve as the project's civil, structural, mechanical, electrical, and plumbing engineer. As outlined on the following pages, the company has extensive experience with military facilities, including new Army Reserve Centers in Morgantown, Kingwood, Elkins, Beckley, and Rainelle, West Virginia.

William H. Gordon Associates, Inc. – Landscape Architecture and Site Security

William H. Gordon Associates, Inc. provides a full range of land development related consulting services. Serving this project from its Charles Town office, the company would provide landscape design and site security planning.

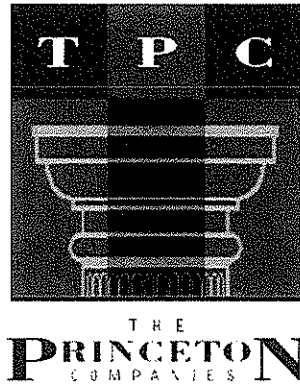


Governmental Buildings

- Loudoun County Attorney's Office / Valley Bank Building, *Design*, Leesburg, VA
- Purcellville Town Hall, *Design*, Purcellville, VA
- Loudoun County Juvenile Detention Center, *Design*, Leesburg, VA
- Leesburg Courthouse Clock Tower, *Design*, Leesburg, VA
- Loudoun County's Vietnam Veterans Memorial, *Design*, Leesburg, VA
- Loudoun County Government Center, *Design*, Leesburg, VA
- Town of Leesburg Government Center, *Design*, Leesburg, VA

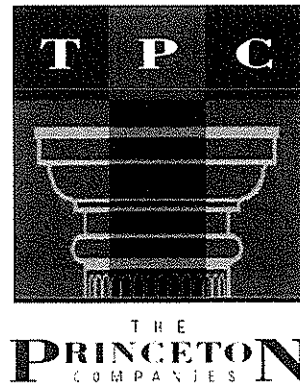
Maintenance Facilities

- Beacon Hill CC, *Design*, Leesburg, VA
- Harbor Station GC, *Design*, Dumfries, VA
- Laurel Hill GC, *Design*, Lorton, VA
- Old Hickory GC, *Design and Construction*, Woodbridge, VA
- PB Dye GC, *Design and Construction*, Ijamsville, MD
- Ritz-Carlton Golf Club at Creighton Farms, *Design and Construction*, Aldie, VA
- Wee Burn CC, *Design*, Darien, CT
- Westfields GC, *Design and Construction*, Clifton, VA
- Westwood CC, *Design*, Vienna, VA



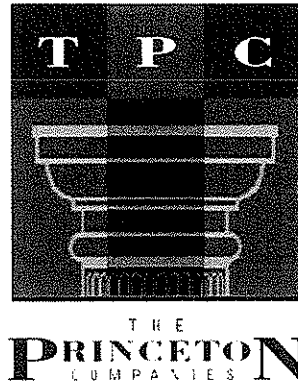
Golf and Country Clubs

- Westwood Country Club, *Clubhouse Renovation, Redesign and Construction Management*, Vienna, VA
- Cattail Creek Country Club, *Clubhouse, Pool House and Golf Instruction Building, Design*, Glenwood, MD
- Woodmont County Club, *Pro Shop/Golf Instruction Building and Golf/Cart Building, Design*, Rockville, MD
- Duckwoods County Club, *Clubhouse, Design and Construction*, Southern Shores, NC
- Laurel Hill Golf Club, *Clubhouse, Starter House, and Pump House, Design*, Lorton, VA
- Old Hickory Golf Club, *Clubhouse, Starter House, and Pump House, Design and Construction*, Woodbridge, VA
- Piedmont Golf Club, *Clubhouse, Design and Construction (2000), Clubhouse Expansion Design (2006)*, Haymarket, VA
- Raspberry Falls Golf & Hunt Club, *Clubhouse, Cart Building, and Golf Instruction Building, Design and Construction*, Leesburg, VA
- Harbor Station Golf Club, *Pump House, and Comfort Station, Design*, Dumfries, VA



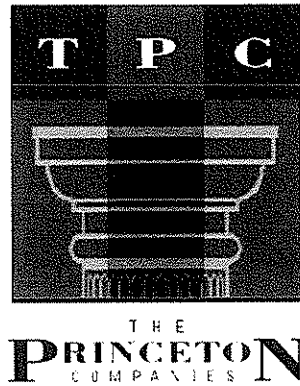
Resorts

- Marco Island Marriott Resort, The Rookery Golf Club, *Clubhouse Renovation and Golf Instruction Building, Design and Construction*, Marco Island, FL
- The Ritz Carlton at Creighton Farms Golf Course, *Interim Clubhouse and Golf Shop, and Comfort Station, Design and Construction*, Aldie, VA
- Turning Stone Resort & Casino, Verona, NY
 - Atunyote Golf Course, *Clubhouse, Design and Construction*
 - Lodge Pedestrian Bridge, *Luxury enclosed walkway connecting the Lodge to the existing Hotel, Design and Construction*
 - “Ska-Na” Luxury Spa, *Design and Construction*
 - Lodge Pool, Indoor Pool Complex, *Design and Construction*
 - “Lava” Dance Club, *Design and Construction*
 - Celebration Center, *Design and Construction* Helipad, *Design and Construction*
 - VIP Gaming, *Design and Construction*
 - “Club Two One” Private Dining, *Design and Construction* Tennis Clubhouse, Dome, and Outdoor Courts, *Design and Construction*
 - Hotel Entry/Landscaping, *Design and Construction*
 - Leopard Lounge, *Design and Construction*
 - Bingo Complex, *Design and Construction*
 - Tower Boutique, *Design and Construction*
 - SavOn Service Station and Convenience Store, *Design and Construction*
 - Multiple interior and exterior renovations to existing hotels and other structures, *Design and Construction*



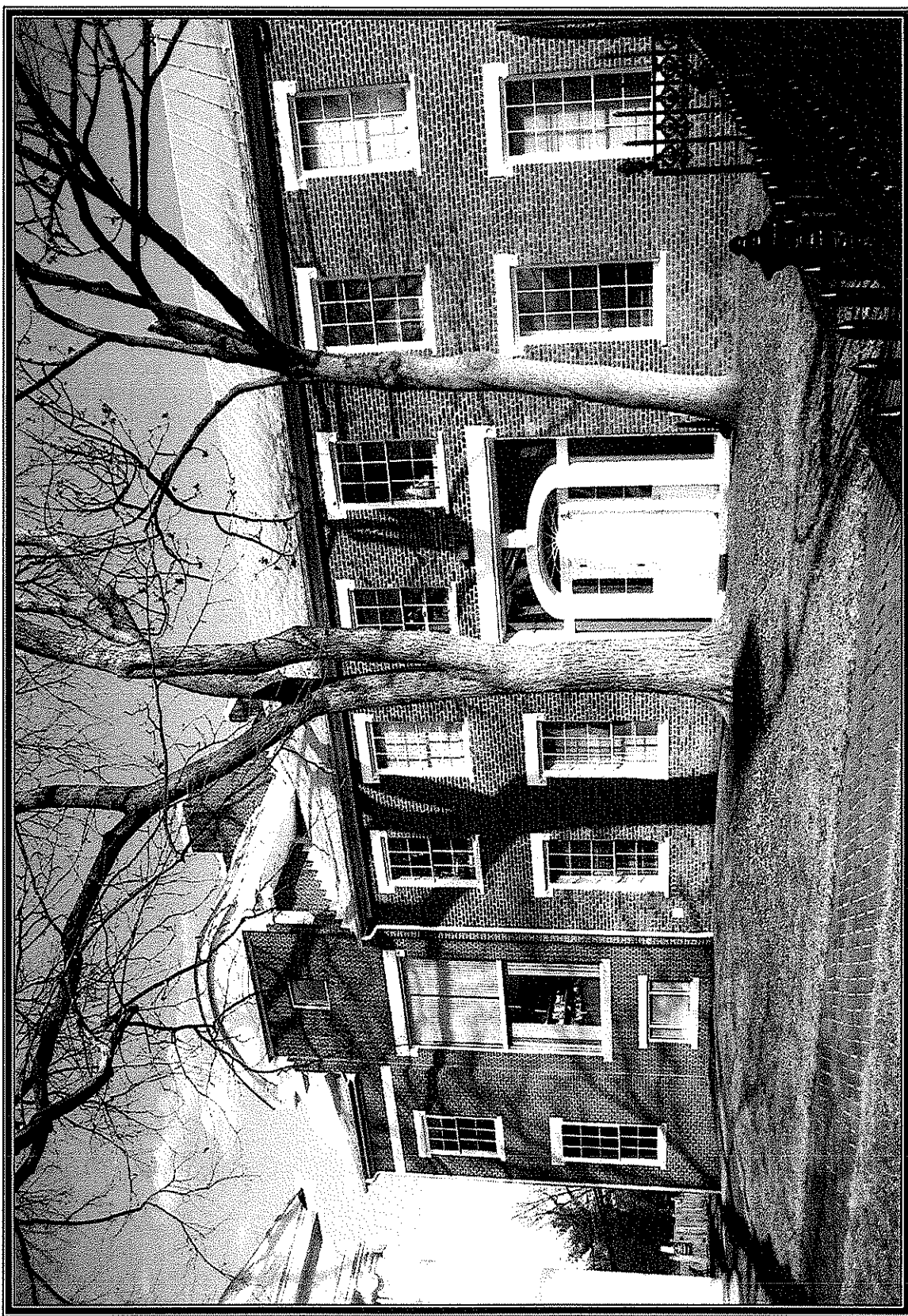
Community Amenities

- The Ritz Carlton at Creighton Farms Golf Course, *Gatehouse, Pump House, Water and Waste Water Treatment Facilities, Design and Construction*, Aldie, VA
- Beacon Hill, *Water Treatment Facilities*, Leesburg, VA
- Kings Crossing Community Center and Pool Complex, *Design and Construction*, Boyds, MD
- Arora Hills Community Center and Pool Complex, *Construction*, Clarksburg, MD
- Ashburn Village Visitor and Welcome Center, *Design*, Ashburn, VA
- Cheltenham Pool House, *Design and Construction*, Ashburn, VA
- The Mills Pool House, *Design and Construction*, Ashburn, VA

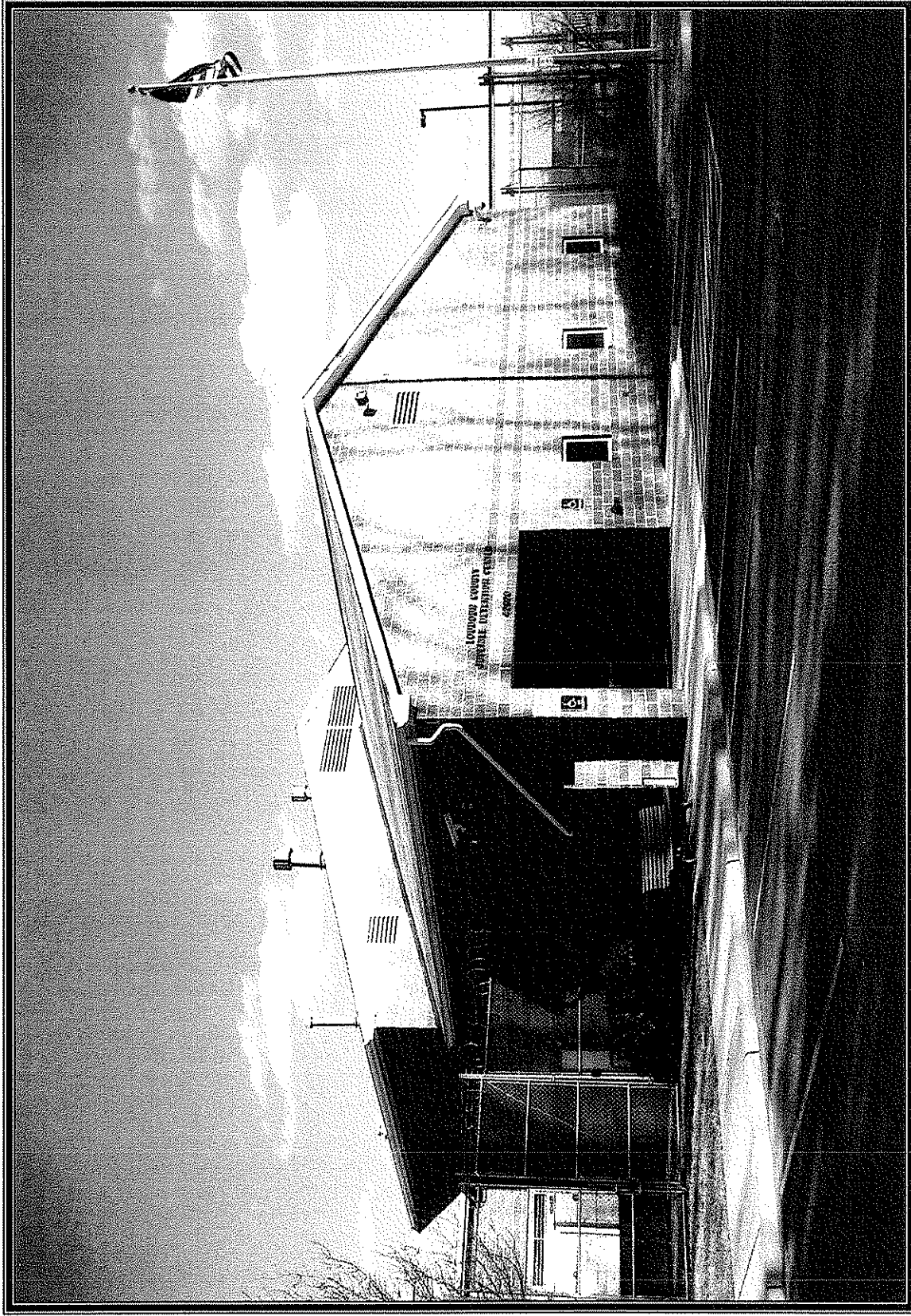


Veterinary Medicine Facilities

- Leesburg Veterinary Hospital, *General Veterinary, Tenant build-out in new retail center and Design of new Hospital, Leesburg, VA*
- Ashburn Veterinary Hospital, *General Veterinary, Renovation to existing house in historic area for small animal practice, Ashburn, VA*
- Old Mill Veterinary Hospital, *General Veterinary, Addition to existing kennel facility for veterinary practice. New retail "gallery" to connect the new and existing buildings, Leesburg, VA*
- Old Mill Cattery, *Feline Boarding, Addition to existing canine kennel facility for feline boarding, Leesburg, VA*
- Veterinary Referral Center, *Referral, New building for two veterinary specialists. Separate wings for surgery and medicine, with shared back-of-house spaces, Manassas, VA.*
- Ashburn Veterinary Hospital, *General Veterinary, Expansion of previous facility completed ten years ago for same client. Large addition and renovation of existing building, Ashburn, VA*
- Ashburn Feline Hospital, *Feline Veterinary, New building for feline specialty practice, Ashburn, VA*
- TLC, The Life Centre, *Specialty / 24-Hour Emergency, Two story with elevator, in new lease-hold building for 10 veterinary specialists, Leesburg, VA*



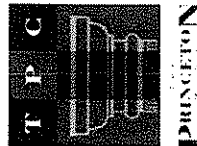
LOUDOUN COUNTY ATTORNEY'S OFFICE
- VALLEY BANK BUILDING
LEESBURG, VA

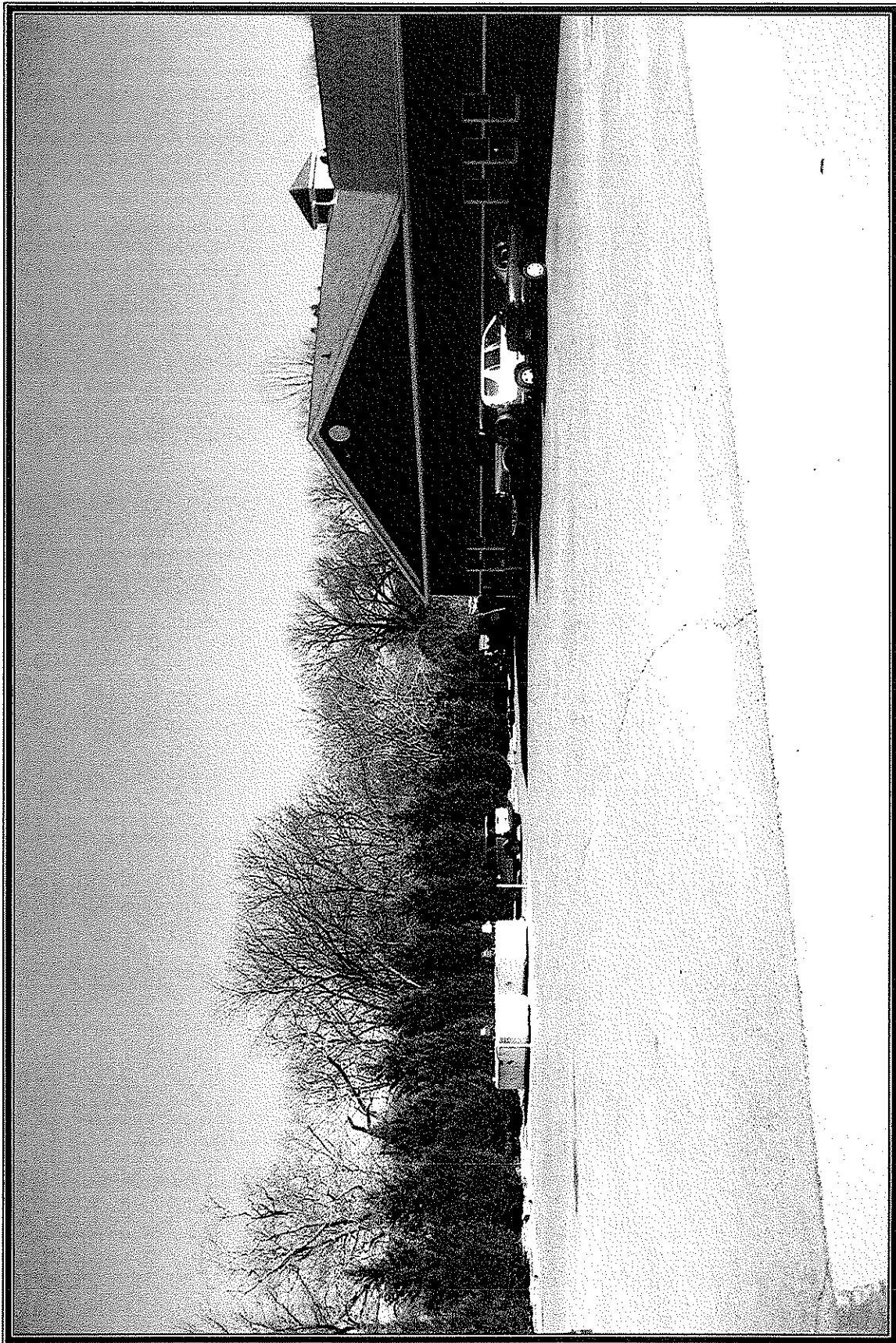


LOUDOUN COUNTY JUVENILE DETENTION CENTER
LEESBURG, VA

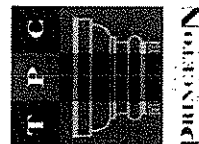


WESTWOOD COUNTRY CLUB
CLUBHOUSE
VIENNA, VA





WESTWOOD COUNTRY CLUB
MAINTENANCE FACILITY
VIENNA, VA





H.F. LENZ COMPANY

Firm Profile

Currently in its 63rd year, the H.F. Lenz Company is a Pennsylvania-based firm offering a full range of engineering services for building systems, infrastructure, and industry. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed \$300 million in MEP construction annually. Each market sector—corporate, government, health care, education, and industry—is served by a team of specialists who understand the unique needs of the clients they serve. We currently have 182 employees, including 47 Professional Engineers licensed in a total of 40 states, and office locations in Johnstown, Pittsburgh, and Erie, Pennsylvania.



Services offered include:

- Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- Life Safety / Fire Protection Engineering
- Communications Engineering
- LEED Design Services
- Civil Engineering
- Structural Engineering
- Industrial Engineering
- Surveying
- Construction Phase Services
- Commissioning

A remarkable 85 percent of our work consists of repeat commissions from clients, including the U.S. Army Corps of Engineers, who appreciate our responsive, value-added service. We've earned their trust by:

- Designing well-functioning systems that work *with* a building's architecture rather than being constrained by it.
- Achieving the optimal balance of system performance with the client's budget through value engineering.
- Designing system infrastructures—including communications—that accommodate growth and changing technology.
- Phasing installations to avoid disrupting normal and critical operations.
- Keeping construction cost and schedule on track with enhanced construction-phase services.
- Commissioning new systems to assure that they function as intended.



Experienced Project Team

The team that will serve on this contract is comprised of dedicated, multi-discipline individuals, many of whom have been working together for almost a decade. Together they have taken on the challenges of numerous high profile, complex projects and have derived workable, cost-effective solutions that have met the objectives of the client.

H.F. Lenz Company has provided engineering services for \$75 million of construction for the Baltimore Corps of Engineers over the past 20 years including 7 indefinite delivery-type contracts and 11 new reserve centers, several of which were design/build projects. We have held six (6) previous IDTC's for Letterkenny under which we have completed numerous projects requiring a variety of engineering expertise.



HFL
COMPANY

Relevant Project Experience

Military Facilities

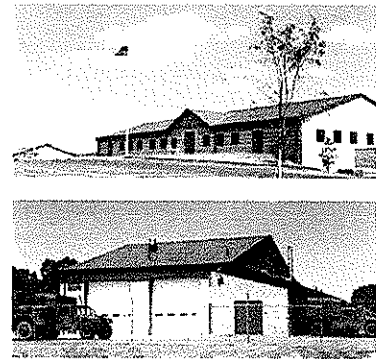
The following new Military Facilities contain a variety of relevant spaces including offices, maintenance and storage facilities, and various shops and production areas.

Regional Maintenance Facility, Pennsylvania National Guard Facility, Johnstown, PA. HFL was responsible for the engineering design of a New Maintenance Shop for the Pennsylvania National Guard Facility consisting of 23,560 sq. ft. with approximately 8,000 sq. ft. of office and maintenance shop area and the remainder for storage and eight vehicle maintenance bays. The project included flammable storage, general storage areas, weapons vault, security system design, and an on-site fuel dispensing station. The entire area is protected by a perimeter fence and automatic access gates entering the site. Total Construction Cost: \$4,200,000.

New U.S. Army Reserve Centers (USARCs) in Morgantown, Kingwood, and Elkins, WV. HFL provided the MEP services for all three of the facilities which included:

- Morgantown – 21,700 sq. ft. Administrative and Training Building, 5,500 sq. ft. four bay Organizational Maintenance Shop (OMS)
- Elkins – 12,000 sq. ft. Administrative and Training Building, 4,200 sq. ft., three bay OMS
- Kingwood – 19,000 sq. ft. Administrative and Training Building, 5,000 sq. ft. four bay OMS, and 600 sq. ft. of covered storage area

Total Construction Cost: \$5,400,000.



New USARC in Beckley and Rainelle, WV. HFL provided the MEP services for both of the facilities which included:

- Beckley – 27,511 sq. ft. Administrative and Training Building, 2,709 sq. ft. OMS
- Rainelle – 19,444 sq. ft. Administrative and Training Building, 7,532 sq. ft., three bay OMS

Total Construction Cost: \$5,400,000

U.S. Army Reserve Aviation Center, Weirton, WV. Under this design/build contract, the HFL provided engineering design services for a 30% concept design for this new reserve center. The facility is comprised of a 16,000 sq. ft. training building and a 6,300 sq. ft. organizational maintenance shop (OMS).

New USARC in Grantsville, PA. HFL provided the MEP Engineering services for a 15,000 sq. ft. training building and 2,400 sq. ft. OMS

Total Construction Cost: \$4,500,000

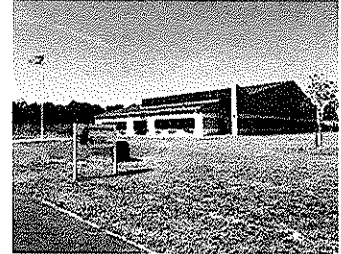


H. FLENNZ
COMPANY

Relevant Project Experience

New USARC in Brownsville, PA. HFL provided the MEP Engineering services for a 20,000 sq.ft. training building and a new six bay OMS
Total Construction Cost: \$3,600,000

U.S. Armed Forces Aviation Facility, Johnstown, PA. HFL provided MEP, Structural, and Civil Engineering Services and Land Surveying Services for a new 120,000 sq.ft. aviation facility consisting of a training building to accommodate 300 reservist, a new hangar facility, and site development for the 80-acre site. Total Construction Cost: \$30,000,000.



Civil Engineering Building for the 911th Airlift Group, in Coraopolis, PA. HFL provided the MEP, Civil, Structural, and Land Surveying Services for a new 21,000 sq.ft. building housing offices, classrooms, conference rooms, drafting room, print room, support facilities, plumbing, sheet metal and welding shop, carpentry shop, electrical shop, HVAC and liquid fuels shop, Battery shop, Fire extinguisher shop, storage facilities and covered storage area. The project was phased to allow existing facilities to remain in use during construction. Total Construction Cost: \$4,300,000.



Operational Maintenance Facility, Johnstown, PA. HFL provided MEP, Structural and Civil Engineering for a new 12,700 sq.ft. Organizational Maintenance Facility with eight work bays. Total Construction Cost: \$4,690,000

Letterkenny Army Depot, U.S. Army Corps of Engineers

Chambersburg, PA. HFL has completed numerous projects throughout the Letterkenny Army Depot on five IDCs over the past 20+ years, including Building 350 which accommodates repair and maintenance for tactical vehicles, and Building 320 which accommodates painting and repair of military vehicles. Our services have included mechanical, electrical, fire protection, structural, and civil design services for various new construction, alteration projects and repair projects.



HILFENZ
COMPANY

Relevant Project Experience

Additional Military Facility Project Examples:

Army Reserve Center, Wheeling, WV

- New 284-member reserve center with training building and maintenance shop

Morlock Army Reserve Center, Pittsburgh, PA

- HVAC modifications

Copely Army Reserve Center, Oil City, PA

- Boiler addition

Steele Army Reserve Center, Pittsburgh, PA

- Complete HVAC system replacement

Camp Dawson, Kingwood, WV

- Three new billeting facilities

Walter Reed Army Medical Center, Washington, D.C.

- Energy engineering analysis program, main hospital building

Corps of Engineers Offices, The Wanamaker Building, Philadelphia, PA

- Tenant fit-up

Ford City Armory, Ford City, PA

- New 24,400 sq.ft. training center with classrooms and kitchen/dining facilities

Naval Air Station, Lakehurst, NJ

- Air conditioning tune-up study

Various Activities, Pennsylvania, New York, and New Jersey

- Specialized energy studies

Naval Ship Parts Control Center, Mechanicsburg, PA

- Administrative facility improvements

Naval Research Laboratory, Washington, D.C.

- Three indefinite delivery contracts for mechanical, electrical, and structural engineering services (Chesapeake Division)

Oceana Naval Station, Virginia Beach, VA

- Energy monitoring and control system
- Boiler plant modifications (Atlantic Division)

Additional Relevant Project Examples:

St. Marys Fire and Police Station, St. Marys, PA. HFL Provided MEP Engineering Services for a new 22,000 sq.ft. facility to house the Police and Fire Department. The project included administration offices, evidence storage areas, weapons storage, and a 6,500 sq.ft. apparatus room to house fire trucks, emergency vehicles, and equipment center. The design also included the 24-hour emergency dispatch center. Total Construction Cost: \$4,000,000





HFL
TENZ
COMPANY

Relevant Project Experience

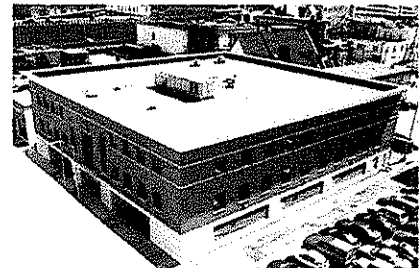
North Middleton Township, Carlisle, PA. HFL provided MEP Engineering Services for a new 11,000 sq.ft. municipal building and a new 24,000 sq.ft. public works building. The facilities housed municipal offices, meeting hall, sheriff's holding/processing area, vehicle maintenance and storage areas.

ATA of North Central Pennsylvania, New Regional Transit Facility, Johnsonburg, PA. HFL provided engineering services for the design of the 37,700 sq.ft. new administration, maintenance, vehicle storage and fleet fueling facility.

Office Building Project Examples

National Drug Intelligence Center (NDIC), Johnstown, PA. HFL Provided MEP, Civil, and Structural Engineering services for the tenant fit-up of an existing building to house the various function of the NDIC. The project included extensive modifications to the base building and tenant spaces. The project also including the design of a new SCIF. Total Construction Cost: \$3,500,000

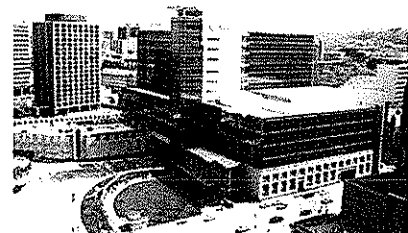
SSA Johnstown, Johnstown, PA. HFL provided MEP, Civil and Structural Engineering Services and Land Surveying Services for a new 40,000 sq.ft. design/build office building. Total Construction Cost: \$2,500,000



U.S. Drug Enforcement Agency, Pittsburgh, PA. HFL Provided MEP Engineering Services for a new 50,000 sq.ft. design/build office building. The project has received a LEED™ Certified Rating. Total Construction Cost: \$4,33,096 (shell & site), \$6,256,994 (with tenant fit-out services)

Data Processing Facilities Example

New Client Service Center for Mellon Financial Corporation (now Bank of New York Mellon), Pittsburgh, PA. HFL Provided MEP Engineering Services for a new 750,000 sq.ft. data processing





H.F. LENZ
COMPANY

Relevant Project Experience

and main operations center and a 55,000 data center. Functions at the facility include check processing; retail, custom and wholesale lockbox operations; government processing, retail paying, statement insertion and other retail operations; international trade operations; corporate mail operations; corporate staffing; and global cash management administration. The project has received many awards including:

2001 Integrator Award, Consulting-Specifying Engineer Magazine

2004 Office Building of the Year, BOMA Mid-Atlantic Division

Total Construction Cost: \$150,000,000

Production Facilities Examples

Kennametal Inc., Machine Systems Division, Solon, OH. HFL provided MEP, Structural and Civil Engineering for a new building housing 60,000 sq.ft. of office and administration area, a 120,000 sq.ft. manufacturing, assembly, and distribution area, and a 3,000 sq.ft. employee cafeteria. Total Construction Cost: \$11,000,000

Cambria County Association for the Blind and Handicapped, Johnstown, PA. HFL Provided MEP, Structural and Civil Engineering for a new 27,200 sq.ft. office and manufacturing facility with special process ventilation system for the plant area and VAV cooling in the office areas. Total Construction Cost: \$1,130,000 (\$170,000 under budget)

LEED™ and Sustainable Design

H.F. Lenz Company has been a proud member of the United States Green Building Council since 2000 and currently has 14 LEED™ Accredited Professionals on staff. Our firm has gained a high level of knowledge in the building green process and we possess the experience to successfully apply these principles to all building projects.



H.F. Lenz Company currently has 14 projects that have attained various levels of LEED™ Certification, and 12 design projects, 14 commissioning projects, and eight projects involving both design and commissioning services pending LEED™ Certification. We welcome the opportunity to work with the client and the selected design professionals to determine sustainable strategies and options for your unique project.

H.F. Lenz Company was recently ranked in the "Top 100 Green Design Firms" in the Country by ENR Magazine (June 2008). That same month we became an Energy Star® Partner Firm, and to-date have been involved in the design of four buildings that have attained an Energy Star® Rating.



**H.F. LENZ
COMPANY**

James C. Kohler, P.E.

Principal-in-Charge of Civil/Structural Division

Mr. Kohler has over 30 years of experience and has been directly involved in 7 indefinite delivery contracts with the Baltimore District Corps of Engineers and design of numerous military facility projects. Mr. Kohler is responsible for the evaluation, planning, and development of industrial and commercial sites ranging from several acres to several hundred acres. He is also experienced in boundary and topographic surveys, highway and bridge design, building structures, water systems, and municipal engineering. His project experience includes:

Letterkenny Army Depot
Chambersburg, Pennsylvania
Project Manager for five IDCs; Projects include: Depot-wide water distribution system evaluation; Rehabilitation of industrial waste treatment pump stations and sewage lift stations; Erosion and sedimentation control plan for ammunition storage area

U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania
New multi-building, 120,000 sq.ft. reserve complex

Raytheon Company
Phoenix Missile Final Assembly
and Checkout Facility
Chambersburg, Pennsylvania
Site development and structural design

Federal Correctional Institution
Loretto, Pennsylvania
New one-mile perimeter roadway, high-intensity roadway lighting, site utilities, and security upgrade including building additions

Slippery Rock University
Slippery Rock, Pennsylvania
New 79,424 sq.ft. science and technology building

West Virginia University
Morgantown, West Virginia
Engineering study for the retrofit of a 100,000 sq.ft. laboratory building

A/C Power Colver Operations
Colver, Pennsylvania
Civil/structural repair projects at 131 MW Single cycle power plant

Bethlehem Steel Corporation
Johnstown, Pennsylvania
Structural design for expansion of cooling bed to accommodate increased billet sizes

Appleton Papers, Inc.
Spring Mill
Roaring Spring, Pennsylvania
Design and installation of new overhead crane system

GPU Energy
Brookville, Pennsylvania
Flammable and explosive material storage area

United States Postal Service
Pennsylvania and West Virginia
Project Manager for over 300 various repair and alteration projects under nine IDCs

Education

Bachelor of Science, Civil Engineering Technology 1977, University of Pittsburgh at Johnstown

Experience

H.F. Lenz Company 1978 - Present

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania • Ohio • Maryland • Virginia • West Virginia

Professional Affiliations

American Society of Highway Engineers • American Institute of Steel Construction



**H.F. LENZ
COMPANY**

David A. Blackner, P.E.
Structural Engineer

Mr. Blackner is responsible for the complete layout, design and detailing of building structural systems. He has diverse experience in the structural analysis and design of projects involving steel, engineered masonry, reinforced cast-in-place concrete, pre-cast/pre-stressed concrete and wood frame structures. His project experience includes (*indicates prior experience):

Letterkenny Army Depot
Chambersburg, Pennsylvania
Structural Engineer for two IDCs; Projects include: Structural design for a new mezzanine and test equipment enclosure; Structural modifications to existing garage bays; Complete design of missile test firing range; 1,400 sq.ft. addition to the Security Headquarters

U.S. Air Force – 911th Airlift Group
Coraopolis, Pennsylvania
Structural Engineer for various repair and alteration projects under an IDC. Projects included:; Renovation of Aerial Port Bldg, Bldg 130; Alterations to the Pharmacy, Bldg 319; Repairs and alterations to the Base Exchange, Bldg 300;

Time Warner
Coudersport, Pennsylvania
Building envelope evaluation and recommendations to correct moisture and condensation issues

University of Charleston
Brotherton Hall
Charleston, West Virginia
Four-story design-build dormitory constructed of pre-cast hollow core plank on masonry bearing walls and miscellaneous steel framing. Exterior wall construction is brick veneer with metal stud back-up. Spread footing foundations bear on "CLFM" fill material.

West Virginia University Medical Center
Ruby Memorial Hospital
Morgantown, West Virginia
Structural design for a new eight-story medical building with a three story vertical addition on a portion of the existing four-story building. Both buildings are connected via a three-story skyway. All framing is structural steel with a caisson and grade beam foundations system

Stonewall Jackson Clubhouse
Stonewall Jackson Resort, West Virginia
New two story clubhouse. Portions of the upper floor and roof were framed with heavy wood timber. The timber framing manufacturer's load was supported from below with steel and conventional wood framing

Robinson & McElwee Law Office Building
Charleston, West Virginia
New four story steel frame office building with composite beam floor construction. Due to the close proximity of the property lines, the foundation system consisted of a mix of caissons, auger cast piles and grade beams. The enforced building code was IBC2000.

Social Security Administration
Woodlawn Chiller Plant
Woodlawn, Maryland
Structural analysis and upgrade of a supported floor to support new hanging pipe load; Design of a monorail trolley systems for maintaining large equipment

Education

Associate, Mechanical Engineering Technology, 1988, Pennsylvania State University
Associate, Architectural Engineering Technology, 1988, Pennsylvania State University

Experience

H.F. Lenz Company 1998 - Present
L. Robert Kimball & Associates 1995 – 1998
George D. Zamias Developer 1989 – 1995

Professional Certification

Licensed Professional Engineer in Pennsylvania • Maine • Maryland • Massachusetts • North Carolina • New York

Professional Affiliations

American Institute of Steel Construction



**H.F. LENZ
COMPANY**

Thomas F. Deter, P.E., LEED™-AP
Principal-in-Charge of MEP Systems Engineering

Mr. Deter is responsible for the engineering design of all trades, the supervision of senior designers, the preparation of reports to determine optimal systems and/or equipment selections, and the coordination and checking of contract documents for completeness and quality. He is responsible for coordination with the client, the architect, regulatory agencies, and the engineering staff; project scheduling; and other project management functions. Mr. Deter is experienced in the design of building systems for both new buildings and building retrofits for educational, health care, commercial, government, industrial, residential, and utility related facilities. He is experienced in the design of power distribution systems; emergency power systems and monitoring; uninterruptible power supplies; lighting and emergency lighting systems; fire alarm systems; nurse call; security; sound; and telephone systems. His project experience includes:

New Armory, Pennsylvania Department of
Military Affairs
Ford City, Pennsylvania
*New 24,400 sq.ft. training center with
classrooms and kitchen/dining facilities and
maintenance shop*

Pennsylvania National Guard Facility
Regional Maintenance Facility
Johnstown, Pennsylvania
*New maintenance shop consisting of 23,560
square feet with approximately 8,000 square
feet of office and maintenance shop area and
the remainder for storage and eight vehicle
maintenance bays*

U.S. Army Reserve Center Aviation Facility
Johnstown, Pennsylvania
*New 120,000 sq.ft. multi-building reserve
center including a new training building and
hangar facility. Project included 90% design
for a new 200-bed Marine Corps Reserve
barracks*

U.S. Army Reserve Center
Wheeling, West Virginia
*Design/build project including a 24,000 sq.ft.
training building with classrooms,
administrative areas, library, assembly hall,*

*weaponer room and medical section, and
17,000 sq.ft. OMS/AMSA*

U.S. Army Reserve Aviation Center
Weirton, West Virginia
*Design/build project including a 16,000 sq.ft.
training building with classrooms, assembly
hall, arms vault, armorer, weaponer room,
and Comsec training area, and a 6,300 sq.ft.
OMS*

U.S. Army Reserve Center
Grantsville, Maryland
*New 15,300 sq.ft. training building with
classrooms, assembly hall, library, Comsec
training area, and weaponer room, and 2,400
sq.ft. OMS*

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under 5 IDCs including:
– *Building 350 – Vehicle maintenance building
lighting and fire alarm system replacement*
– *Building 1 - HVAC system upgrades*

U.S. Air Force – 911th Airlift Group
Corapolis, Pennsylvania
Various projects under two IDCs

Education

Bachelor of Science, Electrical Engineering Technology, 1987, University of Pittsburgh at Johnstown

Experience

H.F. Lenz Company 1992 – Present • Parfitt/Ling Consulting Engineers 1990 - 1992
Gary Johnston & Assoc., Inc. 1987 - 1990

Professional Certification

Licensed Professional Engineer in Pennsylvania, Illinois, Maryland, New Jersey, Ohio, Virginia, and
West Virginia; LEED™ Accredited Professional

Professional Affiliations

Professional Engineers in Private Practice; NSPE/PSPE; APPA; U.S. Green Building Council



**H.F. LENZ
COMPANY**

John C. Stewart, P.E.

Mechanical Engineer and LEED™ Accredited Professional

Mr. Stewart has over 20 years experience in the design of HVAC, plumbing, and fire protection systems. His responsibilities have included code compliance verification, schematic layout, calculations, equipment selection, control system selection, specification writing, coordination, life cycle cost analyses, cost estimating. His experience includes the design of mechanical systems for military installations, industrial plants, office buildings, hospitals, and educational facilities. He has also been involved in the design of chiller and boiler plants. Mr. Stewart's project experience includes (*indicates prior experience):

New Armory, Pennsylvania Department of
Military Affairs
Ford City, Pennsylvania
*New 24,400 sq.ft. training center with
classrooms and kitchen/dining facilities and
maintenance shop*

911th Airlift Wing, U.S. Air Force Reserve
Greater Pittsburgh International Airport
Coraopolis, Pennsylvania
Various projects under two IDCs including:
– *Repairs and alterations to gas station and
vehicle wash addition, Building 322*
– *Repairs and alterations to Base Exchange,
Building 300*

Walter Reed Army Medical Center
Chambersburg, Pennsylvania
– *Renovation and upgrade to Building 12,
Provost Marshal's Facility*
– *Repair and upgrade of the main steam
distribution system from the Garrison's Steam
Plant, Building 15, to the Main Hospital
building, Building 2*

Dyess Air Force Base*
Abilene, Texas
– *Base Headquarters*
– *Aircraft and maintenance hangar*
– *Vehicle maintenance facility*
– *General aircraft maintenance hangar
renovation*
– *80,000 sq.ft. office building renovation*

Squadron Operations, Dyess Air Force Base*
Abilene, Texas
– *HVAC replacement involving 998 units of
military family housing*
– *Renovation to existing airmen's dormitory*
– *Renovations and additions to five office
buildings ranging from 5,000 to 15,000 sq.ft.*

Pennsylvania Turnpike Commission
Central Administration Building
Harrisburg, Pennsylvania
*New three-story addition and renovation to the
Central Administration; LEED™ Certified
Building*

Education

Master of Science, Mechanical Engineering, University of Pittsburgh, 1995
Graduate Courses in Facilities Engineering, Air Force Institute of Technology, 1984-1987
Bachelor of Science, Mechanical Engineering, University of Pittsburgh, 1984

Experience

H.F. Lenz Company 1996 - Present
Peter F. Loftus Division, Eichleay Engineers, Inc. 1989 - 1996
Newport News Shipbuilding 1988 - 1989
U.S. Air Force 1984 - 1988

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania • LEED™ Accredited Professional • Adjunct Assistant
Professor for the University of Pittsburgh at Johnstown in HVAC Design for the Mechanical
Engineering Technology Curriculum

Professional Affiliations

American Society of Heating, Refrigerating, and Air-Conditioning Engineers; APPA
U.S. Green Buildings Council



**H.F. LENZ
COMPANY**

Steven P. Mulhollen, P.E.
Electrical Engineer

Mr. Mulhollen is experienced in the design of power distribution systems, control systems, emergency power systems, lighting and emergency lighting systems, fire alarm systems, security, sound, and telecommunication systems for correctional, educational, institutional, industrial, health care, and commercial facilities. Mr. Mulhollen's project experience includes (*indicates prior experience):

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under several IDCs including:
– *Building 350 – Vehicle maintenance building
lighting and fire alarm system replacement
(350,000 sq.ft)*
– *Defense Data Center, Bldg 3*
– *Warehouse Building, Bldg 7*
– *Missile Maintenance Building, Bldg 370*
– *ATACMS Missile Assembly Facility, Bldg
3810*
– *Building 521 Addition*
– *Commanding Officer's Residence, Bldg 505*
– *Hazardous materials storage building*
– *Battery shop addition*

U.S. Air Force – 911th Airlift Group
Corapolis, Pennsylvania
Various projects under two IDCs

Department of Treasury*
New Troop "C" Headquarters
Trenton, New Jersey
*New 85,000 sq.ft. police barracks with training
areas, administration areas, car maintenance
area, dispatch area, and holding cells*

Allegheny County 911 Center*
Allegheny County, Pennsylvania
*New 911 center consisting of 60,000 sq.ft. of
administration space and 3,500 sq.ft. of data
center space*

Westmoreland County 911 Center*
Westmoreland County, Pennsylvania
*New 25,000 sq.ft. center consisting of computer
and administration space*

Naval Surface Warfare Center*
West Bethesda, Maryland
*Building 5 electrical distribution upgrade
totaling \$300,000*

LaRoche College
Pittsburgh, Pennsylvania
*New 60,000 sq.ft. classroom addition to the
existing college center*

University of Charleston
Charleston, West Virginia
New dormitory building

Pennsylvania Turnpike Commission
Central Administration Building
Harrisburg, Pennsylvania
*New three-story addition and renovation to the
Central Administration Building including
parking lot and exterior building lighting;
LEED™ Certified Building*

Anthony Juvenile Correctional Center*
Neola, West Virginia
Electrical design of correctional facility

Education

Bachelor of Science, Electrical Engineering, 1988
Pennsylvania State University, University Park, Pennsylvania

Experience

H.F. Lenz Company 1999
L. Robert Kimball & Associates 1996 – 1999
Leach Wallace Associates, Inc. 1990 - 1996
E.A. Mueller, Inc. 1988 - 1990

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania • Alabama • Florida • Maryland • Missouri • New
Jersey • New Mexico • Ohio • Tennessee

Professional Affiliations

Institute of Electrical and Electronics Engineers, Inc.



**H.F. LENZ
COMPANY**

Gregory D. Rummel, C.P.D.
Plumbing and Fire Protection Designer

Mr. Rummel has designed complete plumbing and fire protection systems for colleges, schools, office buildings, hospitals, prisons, laboratories, industrial facilities, and military installations. He is fully knowledgeable of NFPA codes and is experienced in the design of wet, dry, preaction, FM200, and deluge fire protection systems. He is responsible for plumbing and sprinkler system design, layout, and calculations; selection and sizing of equipment; cost estimates; and site survey work. Mr. Rummel supervises drafting personnel; coordinates the plumbing design with utility companies, with other trades, and with the Project Engineer and Project Architect; and is responsible for assembling complete and accurate plumbing bid documents which meet H.F. Lenz Company standards. Mr. Rummel has been involved in the design of plumbing and fire protection systems for the following projects:

New Armory, Pennsylvania Department of
Military Affairs
Ford City, Pennsylvania
*Plumbing and fire protection design for a new
24,000 sq.ft. training facility with classrooms
and kitchen/dining facilities*

U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania
*Fire protection system design for a new
120,000 sq.ft. multi-building reserve center
with new training building including assembly
hall, classrooms, administrative areas, dining
facilities, and arms vault, and a new hangar
facility. Project included 90% design for a new
200-bed Marine Corps Reserve barracks*

U.S. Army Reserve Center
Grantsville, Maryland
*Plumbing and fire protection design for a new
15,300 sq.ft. training building with classrooms,
assembly hall, library, Comsec training area,
and weaponer room, and 2,400 sq.ft. OMS*

U.S. Army Reserve Center
Beckley, West Virginia
*Plumbing and fire protection design for a new
300-member Reserve Center with training
building and OMS*

U.S. Army Reserve Center
Kingwood, West Virginia
*Plumbing and fire protection design for a new
100-member Reserve Center with training
building and OMS*

911th Airlift Wing, U.S. Air Force Reserve
Greater Pittsburgh International Airport
Coraopolis, Pennsylvania
– *Plumbing and fire protection system design
for a new 21,700 sq.ft. base civil engineering
building*
– *Various projects under two IDCs including:*
– *Repairs and alterations to Base
Exchange, Building 300*
– *Repairs and alterations to gas station
and vehicle wash addition, Building 322*
– *Fire suppression upgrade to Pharmacy,
Building 319*

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under 5 IDCs

Pennsylvania Turnpike Commission
Harrisburg, Pennsylvania
*New three-story addition and renovation to the
Central Administration Building; LEED™
Certified Building*

Education

B.S. in Mechanical Engineering Technology, 2000, Point Park College
Associate in Specialized Technology 1984, Architectural Drafting and Construction with CAD
Technology, Triangle Institute of Technology

Experience

H.F. Lenz Company 1989 - Present
Newport News Ship Building 1984 - 1989

Professional Certification

Certified in Plumbing Design, ASPE

William H. Gordon Associates, Inc.

Corporate Overview

William H. Gordon Associates, Inc. (Gordon) is recognized as a leading provider of professional consulting services to public and private sector clients in the Metropolitan Washington, DC region. Founded in Northern Virginia in 1976, Gordon has assembled civil engineers, land planners, landscape architects, surveyors, hydrologists, and security consultants located within a regional network of offices. Gordon provides comprehensive, single-source services for the development and stewardship of land and/or facilities to address the needs of government and business.

Corporate Profile

- ♦ Multi-disciplined Professional Staff
- ♦ Comprehensive Services
- ♦ DC 'Top 20' Engineering Firm
- ♦ GSA Schedule/Urban Planning

Office Locations

- ♦ Chantilly, Virginia
- ♦ Loudoun, Virginia
- ♦ Charles Town, West Virginia



Services Offered

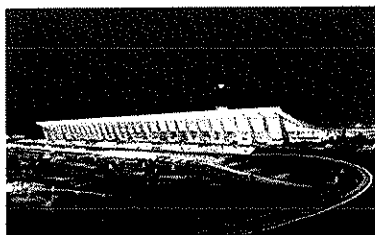
- ♦ Civil Engineering
- ♦ Land Planning
- ♦ Landscape Architecture
- ♦ Surveying
- ♦ Site Security Consulting
- ♦ 3D Laser Scanning

Gordon's Mission

William H. Gordon Associates' mission is to provide value-added professional consulting services associated with the development and stewardship of land and/or facilities.

Gordon's Philosophy

- True success is achieved when client's goals and objectives are met.
- Utilize holistic approach throughout process focusing on client's goals.
- Project schedule and budget considerations are critical to the process.
- Creative and innovative solutions can make a vision, reality.



LANDSCAPE ARCHITECTURE

Clients

- George Mason University
- Northern Virginia Regional Park Authority
- City of Fairfax, Virginia
- Wolf Trap Foundation
- American University
- Fairfax Country Club
- Town of Strasburg, Virginia
- Booz Allen Hamilton
- City of Falls Church, Virginia
- Town of Vienna
- EDS Corporation

Projects

- Plaza America
- Algonkian Regional Park
- Strasburg Park
- Meadowlark Gardens
- Virginia Central Railway Trail
- American University Turf Fields
- Frady Park
- Stafford Property & Draper Drive Athletic Fields



William H. Gordon Associates, Inc. (WHGA) recognizes the need to create aesthetically pleasing environments that are safe and functional. Our landscape architects strive to ensure that every program weighs the economic, operational, and environmental considerations necessary to formulate creative solutions for challenging projects.

To achieve this, WHGA incorporates sustainable and green technology features, where appropriate, in accordance with the LEED Green Building Rating System criteria. In addition, our landscape architects utilize the principles of Crime Prevention Through Environmental Design (CPTED) to ensure that necessary physical security measures work in conjunction with the site environmental features without impairing the functional and aesthetic qualities of the facility.

Capabilities

Landscape Planning and Design

- Landscape Master Plans
- Construction Plans / Specifications
- Historic Landscapes / Courtyards
- Screening and Buffering
- Streetscape Plans / Entry Features
- Comprehensive Signage Packages
- 3D Graphic Imaging

Recreational Facilities Planning and Design

- Pedestrian Trails and Walkways
- Athletic Fields
- Synthetic Turf
- Golf Courses
- Community Open Space

VDOT Administration Building Fairfax County, VA

Project Highlights

- ◆ Provided landscape architecture, including trail and walkway layout, pavement patterns, terraced patio, planting plans, and signage
- ◆ Landscape construction drawings for all landscape features
- ◆ Integration of landscape design concepts with security

WILLIAM H. GORDON ASSOCIATES, INC. (GORDON) provided all landscape architecture services from concept design to construction of this 22.7-acre site in Fairfax County, Virginia. Working with a diverse multidisciplinary design team, Gordon developed a landscape design concept to meet functional, aesthetic, and environmental program requirements.

The design program responded to the need for an attractive, low maintenance, accessible, and Leadership in Energy and Environmental Design (LEED) - compliant concept. The landscape design had to also meet stringent design guidelines, state standards, and multiple jurisdictional reviews. Because of the building's prominent corner location, landscape plantings were used to enhance the curb appeal as well as to screen service and sensitive areas of the facility. Plantings were selected to complement the architectural lines and facade colors, to provide shading of exterior and interior spaces, and for low-maintenance requirements such as low-mow grasses.

Pedestrian walkways and outdoor areas were aligned to allow movement from the parking area and adjacent bus stop to all areas of the campus. A 2d-level employee terrace was designed with an attractive Americans with Disability Act (ADA) access to provide desirable outdoor socialization space for the VDOT staff and employees. Raised planters, decorative bollards, and berms were used to enhance the aesthetics of the site, while adding a layer to security to protect a Virginia State Police Emergency Response Unit to be co-located in the four-level, 166,190 SF facility. Trees and plantings were carefully selected and positioned to avoid conflict with lighting and closed-circuit television (CCTV) coverage.

Design for this project was completed on time and on budget.

Cost of construction: \$29.5 million

Carey Needham

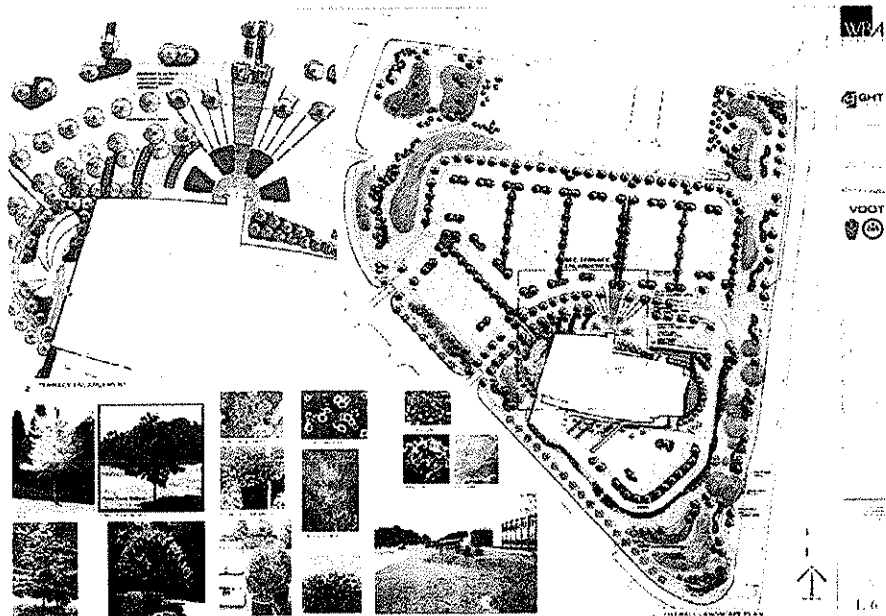
Fairfax County Planning and
Design Division

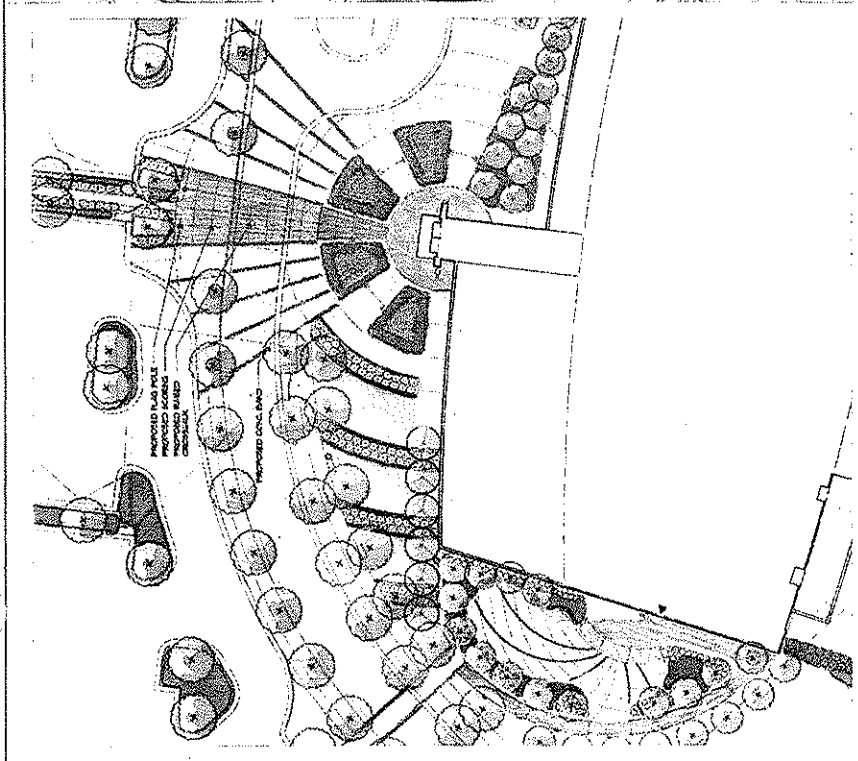
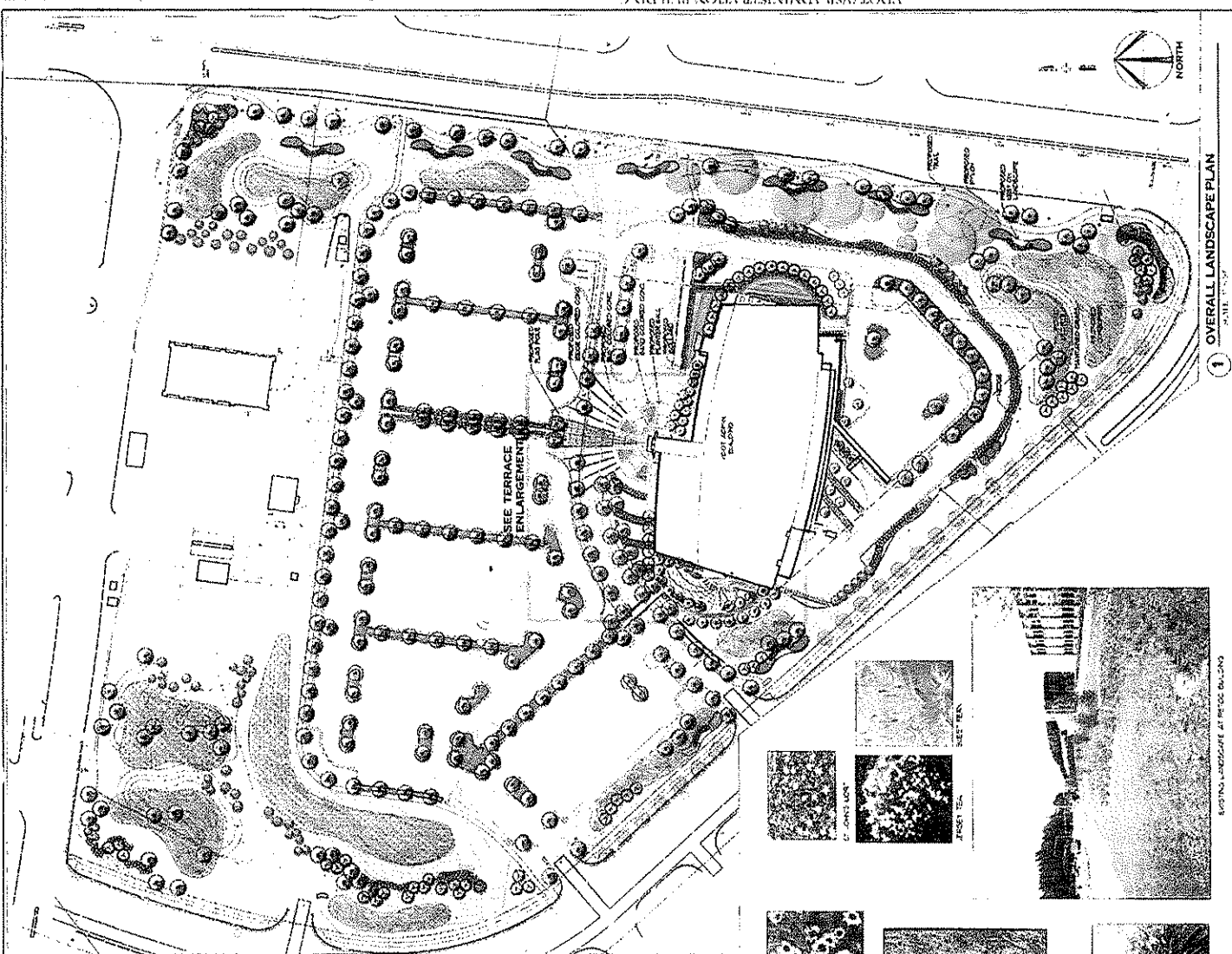
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Suite 449

Fairfax, VA 22035-5503

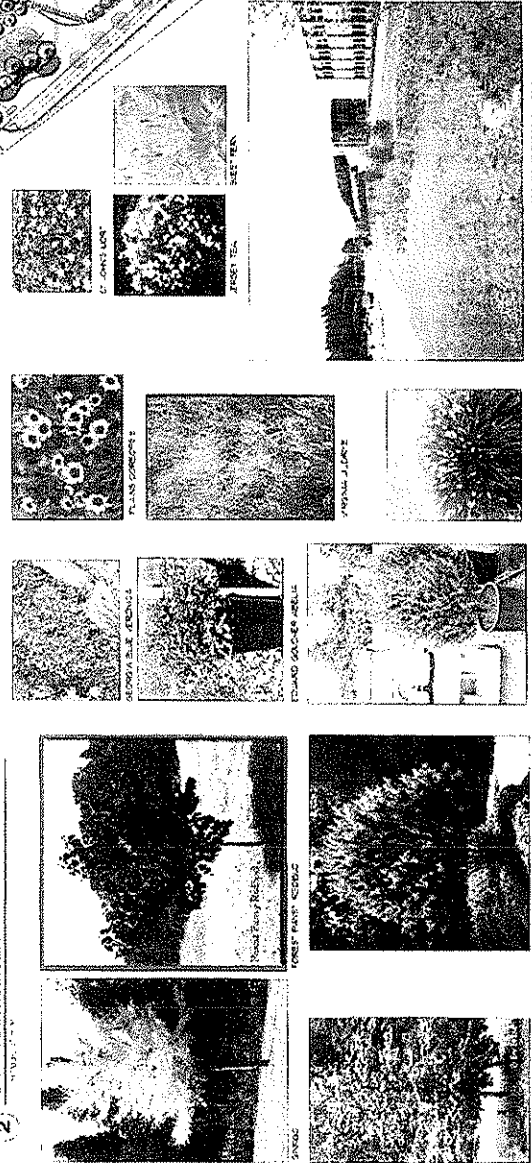
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EXISTING LANDSCAPE AT OFFICE BUILDING

EXISTING LANDSCAPE AT OFFICE BUILDING

EXISTING LANDSCAPE AT OFFICE BUILDING

EXISTING LANDSCAPE AT OFFICE BUILDING

EXISTING LANDSCAPE AT OFFICE BUILDING

Maymont Community Parks Fairfax County, Virginia

Project Highlights

- ◆ Provided landscape architecture services for multiple community parks in the residential Maymont area
- ◆ The parks included a garden, fountain, and lighting design

WILLIAM H. GORDON ASSOCIATES, INC. (GORDON) provided landscape architecture services for Maymont, an upscale residential community located off Beulah Road on approximately 69 acres in Fairfax County, Virginia. In addition to providing design and construction drawings for the entrance feature, streetscapes, and model home, Gordon designed a series of community parks throughout the development.

Pocket Park – The design included a central focal feature and hardscape seating area with associated plantings surrounded by an allée of shade trees.

Promenade Park – The design included a “village green” concept with seating and hardscape areas, which included seatwalls, formal gardens surrounded by informal planting arrangements, and a backdrop of street trees.

Terrace Park – This formal design focused around a large ‘terraced’ fountain leading into a reflecting pool. The significant grade difference from the entry created opportunities for ‘terraced’ walls, pergola structures, and gardens surrounding a central lawn space.

Summer Pond Park – Surrounded by a water quality pond, this park included the design of a gazebo overlook structure and surrounding naturalistic plantings.

Design for this project was completed on time and on budget.

Cost of construction: \$500,000

Mark Fields

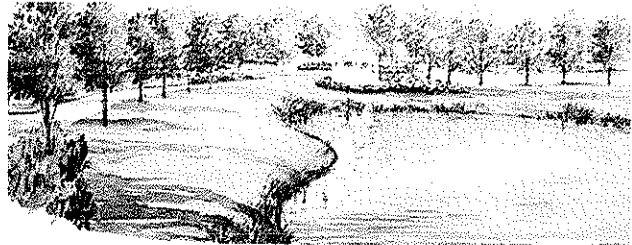
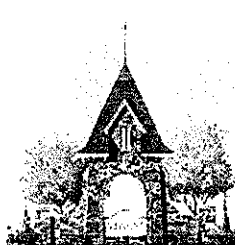
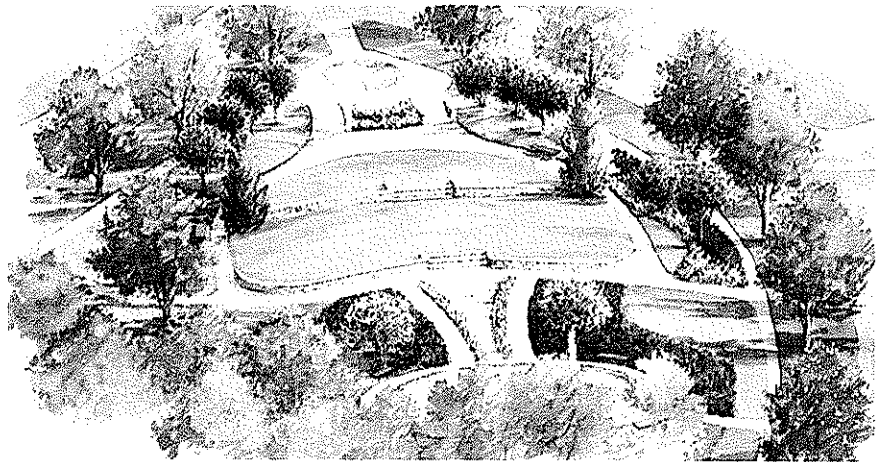
Basheer & Edgemore

3130 Fairview Park Dr, Ste 650

Falls Church, VA 22042

703-849-8700

mfields@basheerandedgemore.com



Designed by William H. Gordon Associates



Stenwood Elementary School Fairfax County, Virginia

Project Highlights

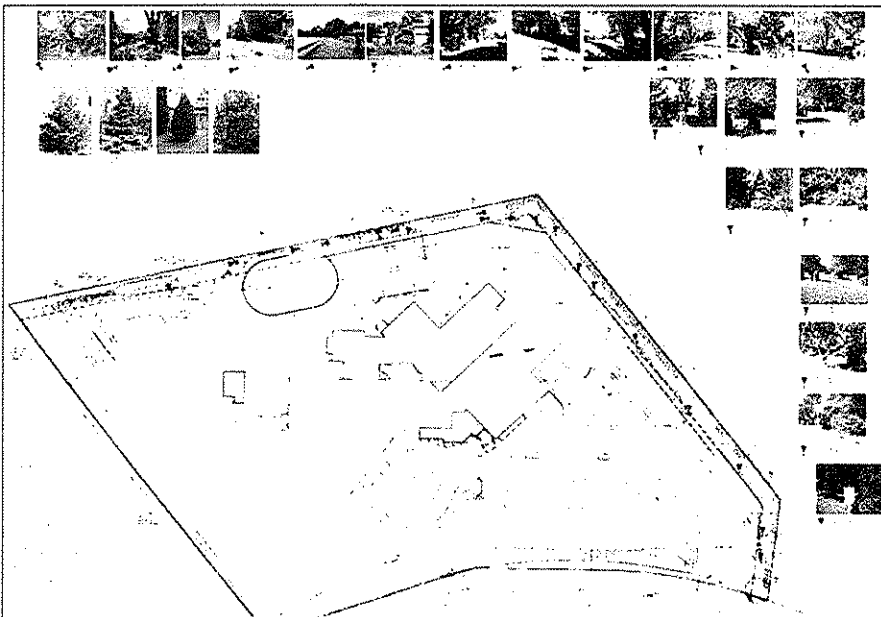
- ◆ Landscape architecture, civil engineering, and survey for public school renovation project
- ◆ Landscape construction drawings for all landscape features including extensive tree preservation
- ◆ Application of Crime Prevention Through Environmental Design (CPTED)
- ◆ Coordination with public schools, VDOT, and other agencies

WILLIAM H. GORDON ASSOCIATES, INC. (GORDON) provided landscape architecture design, engineering, and surveying services for the historic Stenwood Elementary School in Fairfax County, Virginia. This project involved the expansion of this 1960's public K-6 facility, owned by Fairfax County Public Schools (FCPS).

Gordon designed innovative stormwater management solutions, which included Low Impact Design (LID) techniques. For example, rain gardens were designed not only to assist with stormwater management, but also to improve water quality for the site as well. To meet the County's transitional screening requirements, the design team integrated landscape architecture with Crime Prevention Through Environmental Design to ensure plant selections and placement did not create a safety problem. Sight lines were incorporated between trees and shrubs and the plantings were strategically positioned to avoid hiding places near areas used by children or staff. Many of the plantings near or under existing trees required extensive tree preservation techniques, such as root pruning, digging procedures, and tree protection devices.

Gordon's design services allowed the existing building to be expanded from approximately 45,000 SF to 60,000 SF. The addition included a media center, K-6 classrooms, multipurpose rooms, an art studio, special education classrooms, ESL classrooms, and a computer lab.

The renovation of Stenwood Elementary required coordination with the Virginia Department of Transportation (VDOT), the Fairfax County Fire Marshall, and the Fairfax County Urban Forester, who was utilized to assist with screening requirements for adjacent residential developments. Gordon participated in all necessary meetings and coordination with FCPS as processing through the County was occurring to obtain an approved Site Plan.



Design for this project was completed on time and on budget.

Cost of construction: \$13.9 million

Mike McCarty
City of Fairfax
10455 Armstrong Street
Fairfax, VA 22030
703-385-7853
mmccarty@fairfaxva.gov



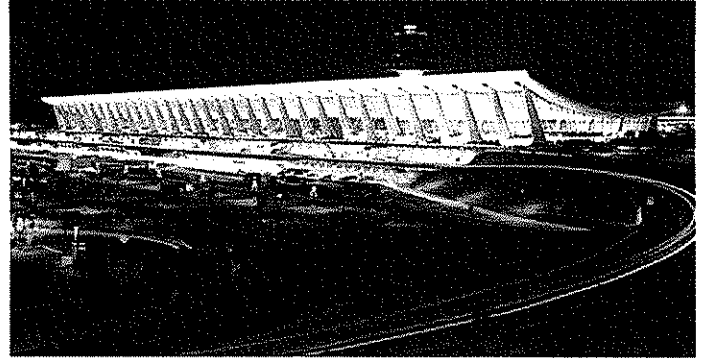
SITE SECURITY CONSULTING

Clients

- Va. State Corporation Commission
- Metropolitan Washington Airports Authority (MWAA)
- National Oceanic and Atmospheric Administration
- County of Fairfax, VA
- Department of Homeland Security
- Transportation Security Administration
- Loyola College
- Capital One
- NAI Michaels
- Patient First Health Care
- NAVFAC
- Pennsylvania Employee State Credit Union
- Va. School for Deaf and Blind

Projects

- Virginia Central Railway Trail
- U.S. Customs and Border Protection Canine Center
- Va. Department of Taxation Channel Building
- Dulles Airport
- Loyola College Student Housing
- City of Riyadh Security Assessment
- Winchester WPOW/MIA War Memorial



Creating Safer Places By Design. William H. Gordon Associates, Inc. (WHGA)'s Site Security Consulting Group's mission is to address the safety and security needs of public and private facilities while maintaining the sense of openness and accessibility that is a hallmark of our American way of life. A talented multi-disciplinary staff of security / law enforcement professionals, CPTED specialists, engineers and landscape architects have been assembled to provide innovative site security solutions utilizing today's "best practices."

Capabilities

Site and Security Programming

Site and security programming is a pre-design analysis to capitalize on opportunities, anticipate conflicts, and suggest mitigation options.

CPTED Services

The principles of CPTED: natural access control, natural surveillance, and territoriality, integrated with the requirements for physical security, offer opportunities to enhance a facility's approach to address conventional crime, as well as terrorist threats.

Site Security Engineering

Our multi-disciplined staff provides civil engineering and landscape architectural expertise to the development of detailed design documents and specifications for the physical security and CPTED measures, including associated site improvements / landscaping.

PRINCETON DESIGN, PLLC PROJECT APPROACH

Following selection of Princeton as the preferred designer, we would want to arrange a kick-off meeting with the Guard's designated representatives and our complete design team, headed by Mr. LaRock, to review in detail the Guard's objectives for the project, including programming, budget, schedule, and other matters. At the same time, we would conduct an assessment of the existing conditions and surrounding environment and begin to formulate ideas while understanding constraints.

We would quickly move into concept design, which would be used as a starting point for the Guard's review. It is important during this phase to ensure space programming is set in the proper direction, any major concerns over site constraints are addressed, and that an initial budget estimate based on the concept design is within the project's budget parameters.

Communication is critical to the success of projects of this nature. We recommend regular progress meetings be held on site or at the Guard's headquarters office to make certain everyone is informed on design decisions and that the project is on the right track.

Following mutual agreement on the concept design, we would move into schematic design, design development, and construction documents. Prior to starting on a new design phase, we would ensure the Guard's representatives are satisfied that the project's objectives are being met.

It is our design team's preference to be actively involved during the construction phase as a resource and to monitor contractors' work. We will be prepared to assist in this manner as best determined by the Guard and the State.