



cox graae + spack architects

2909 m street nw • washington dc 20007 • tel 202.965.7070 • fax 202.965.7144

09 December, 2008

Mr. Frank Whittaker, Senior Buyer
Department of Administration
Purchasing Division
P.O. Box 50130
Charleston, West Virginia 25305-0130

Re: Request for Qualifications – Lodge Expansion and Park
Improvements
Cacapon Resort State Park

Dear Mr. Whittaker,

cox graae + spack architects, in collaboration with **Image Design – Club Planning and Design**, is pleased to submit this response to your solicitation for Architectural and Engineering Design Services related to the lodge expansion and park improvements at the Cacapon Resort State Park. Please accept this letter as our formal expression of interest in being considered for your solicitation. We have assembled an excellent team that we believe has the skills and experience to realize your vision for the project.

Our team brings together two great firms to provide the highest quality design and service. **cox graae + spack** architects is a regional firm with a national reputation for delivering award-winning designs to a diverse range of clients. **Image Design** is an Atlanta, Georgia based club planning and design firm that has built a reputation for creating exceptional hospitality facilities for clients throughout the country. Our companies share a common foundation of design excellence, collaborative work style and commitment to client service.

Working with **Image Design**, **cox graae + spack** architects will lead our team of professionals that will generate a creative and inventive approach that integrates architecture, interior design, landscape architecture, wastewater treatment design and engineering to meet the Parks key objectives.

david cox faia
principal

christoffer a. graae aia
principal

william l. spack aia
principal

janna schmickel aia
associate principal

donald h. gregory aia
associate

impson wheeler aia
associate



We look forward to the opportunity to work with the Division of Natural Resources, Parks & Recreation Section to create beautiful, functional and sustainable facilities that will serve park patrons for years to come. Please do not hesitate to contact me should you have any questions about our team or our qualifications. Feel free to learn additional information about our firms by visiting our web sites at www.cgsarchitects.com and www.imagedesign.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'William L. Spack', is written over a large, dark, scribbled-out area.

William L. Spack, AIA
Principal

cox graae + spack architects
2909 m street, nw
washington dc 20007

t 202. 965. 7070
f 202. 965. 7144

e bspack@cgsarchitects.com

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08 DEC -9 AM 11:01

PURCHASING DIVISION
STATE OF WV



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: **DNR209057**

PAGE: **1**

ADDRESS CORRESPONDENCE OR ATTENTION TO:
FRANK WHITTAKER
304-558-2316

RFQ COPY
 TYPE NAME/ADDRESS HERE

DIVISION OF NATURAL RESOURCES
 PARKS & RECREATION SECTION
 BUILDING 3, ROOM 719
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0662 304-558-2775

DATE POSTED	TERMS OF SALE	SHIP VIA	FOR	FREIGHT TERMS		
11/06/2008						
BID OPENING DATE: 12/09/2008		BID OPENING TIME: 01:30PM				
LINE	QUANTITY	UNIT	EXT. AMT.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR LODGE EXPANSION AND PARK IMPROVEMENTS AT CACAPON RESORT STATE PARK LOCATED IN BERKELEY SPRINGS WV, PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WEST VIRGINIA PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIB, EMAIL AT FRANK.M.WHITTAKER@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS NOVEMBER 21, 2008 AT 3:00 PM. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE.</p> <p>QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMIT AN EXPRESSION OF INTEREST TO THE STATE OF WEST VIRGINIA ARE NOT CONSIDERED TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE BID OPENING DATE AND TIME.</p> <p>EXHIBIT 10</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO</p>						
SIGNATURE		TELEPHONE		DATE		
		202.965.7070		December 9, 2008		
TITLE		FIRM		ADDRESS CHANGES TO BE NOTED ABOVE		
Principal		52-1224809				

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



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

**Request for
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RFQ NUMBER	DNR203057
ADDRESS CHANGES TO BE NOTED ABOVE	2
FRANK WHITTAKER 304-558-2316	

RFQ COPY
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DIVISION OF NATURAL RESOURCES
 PARKS & RECREATION SECTION
 BUILDING 3, ROOM 719
 1900 KANAWHA BOULEVARD, EAST
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DATE PRINTED	TERMS OF SALE	SHIP VIA	POST	SPECIAL TERMS	
11/06/2008					
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			MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.		
			ADDENDUM NOS :		
			NO. 1 . . . X		
			NO. 2		
			NO. 3		
			NO. 4		
			NO. 5		
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS.					
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.					
			SIGNATURE	
cox grae + spack architects			COMPANY	
December 9, 2008			DATE	
REV. 11/96					
BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY VOID.					
SIGNATURE			TELEPHONE	DATE	
			202.965.7070	December 9, 2008	
ADDRESS CHANGES TO BE NOTED ABOVE					
TITLE			FAX		
Principal			52-1224809		

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PAGES
3

RESPONSES SHOULD BE SUBMITTED TO:
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11/06/2008		12/09/2008		01:30PM	
LINE	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
<p>CALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>REV. 1/2005</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: 44</p> <p>REQ. NO.: DNR209057</p> <p>BID OPENING DATE: 12/09/08</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 202.965.7144</p> <p>-----</p> <p>PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT</p>					
SIGNATURE		TELEPHONE		DATE	
		202.965.7070		December 9, 2008	
TITLE		FAX		ADDRESS CHANGES TO BE NOTED ABOVE	
Principal		52-1224809			

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Request for Quotation

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PAGE
4

ADDRESS CORRESPONDENCE TO ATTENTION OFFICER
FRANK WHITTAKER
304-558-2316

RFQ COPY
TYPE NAME/ADDRESS HERE

DIVISION OF NATURAL RESOURCES
 PARKS & RECREATION SECTION
 BUILDING 3, ROOM 719
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DATE PRINTED	TERMS OF SALE	SHIP VIA	TAXES	FREIGHT TERMS	
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LINE	QUANTITY	UNIT	ITEM NUMBER	UNIT PRICE	AMOUNT
CONCERNING THIS QUOTE:					

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SEE REVERSE SIDE FOR TERMS AND CONDITIONS					
SIGNATURE			TELEPHONE	DATE	
Principal			202.965.7070	December 9, 2008	
FAX			ADDRESS CHANGES TO BE NOTED ABOVE		
52-1224809			WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED VENDOR		



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VENDOR


S.P.T.O.

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DATE PRINTED 12/01/2008	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
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***** ADDENDUM NO. 1 ***** THIS ADDENDUM IS ISSUED TO PROVIDE THE ATTACHED VENDOR TECHNICAL QUESTIONS, AND AGENCY RESPONSES. BID OPENING DATE AND TIME REMAIN: 12/09/08 AT 1:30 PM ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL ***** THIS IS THE END OF RFQ DNR209057 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE  TELEPHONE 202.965.7070 DATE December 9, 2008

TITLE Principal FERN 52-1224809 ADDRESS CHANGES TO BE NOTED ABOVE

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



- A. The Team
 - 1. History + Culture
 - 2. Team Organization

- B. Hospitality / Fitness Center Design
 - 1. Representative Projects

- C. Existing Buildings / Historic Preservation
 - 1. Representative Projects

- D. Site Considerations

- E. Sustainable Design

- Appendix:
 - 1. Resumes
 - 2. General Experience
 - 3. Letters of Reference

cox graae + spack architects is a nationally recognized architectural design, planning, programming, space planning and interior design firm with a professional staff of 25 based in the Georgetown district of Washington, DC. Founded in 1981, the firm has an award-winning reputation for commissions that encompass historic preservation, renovation, adaptive re-use, additions and new construction. The Firm has distinguished itself as one of the region's leading architectural firms, with over 60 regional and national design awards. The firm's body of work has received consistent praise from clients and architecture critics alike for a clear architectural expression that is sensitive to the existing context and highly reflective of each client's unique culture.

cox graae + spack architects has developed a highly diverse portfolio of built projects, including educational, commercial, institutional, religious, residential, transportation, and governmental project types. The firm's expertise includes historic preservation, urban design, site planning, master planning, space planning, and programming in addition to architecture. Integral to its work is the inclusion of code analysis, universal accessibility design, energy conservation, cost/value engineering analysis and sustainable design. The firm's projects have consistently exhibited an intelligent balance between aesthetic design and functional, economical and environmental considerations.

By virtue of exceptional design opportunities over the past thirty-five years, **Image Design** has developed a particular expertise in the field of Hospitality Design. The firm has built a reputation for creating exceptional interiors with a focus on Hotels and Club Residence Vilas, Resort Amenities, Country Clubs, and Spa / Fitness Centers. Functional planning, accurate budgeting and creative design are key elements of the firm's continued success and repeat business with a distinctive client base. The firm's staff of 35 professionals includes interior designers specializing in both furnishings and interior architecture, purchasing agents and administrative staff. **Image Design** is considered one of the premiere firms in the hospitality design profession.

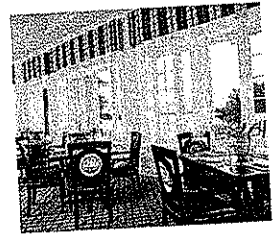
The **cox graae + spack architects / Image Design** team is committed to creating architecture and interiors of the highest quality and endeavors to build long term relationships with each client based on delivering outstanding technical and aesthetic services. Many of our projects are designed for institutions that engage committees and a broader community in their development and review efforts. The firms believe that it is important to engage in a process that develops consensus within a wide range of constituencies. The design process is invigorated, and the final solution more widely accepted, if the client community is invited to help shape the direction of the project.

The core of our team's success in this process includes adherence to the following important principles:

- The thoughtful understanding and interpretation of community goals, needs and desires through careful listening



- An understanding of the special culture of each institution and the awareness that each project is a unique process and design solution
- A sensitivity to context, neighborhood concerns and historic issues
- The dedication to form strong and positive partnerships with our Clients, their constituents and communities, the Contractor and the multi-disciplined team of Engineering and Specialty Design Consultants.
- The Skills to reach our Clients' objectives within a consensus-building process with committees, boards, review agencies, citizen's groups and other associated stakeholders.
- The commitment to Principals acting as project leaders - setting the direction at project inception, maintaining active daily participation and possessing detailed knowledge of the project throughout its design, development and construction.
- The Search for creative design solutions to complex challenges within the context of difficult budgetary and schedule constraints



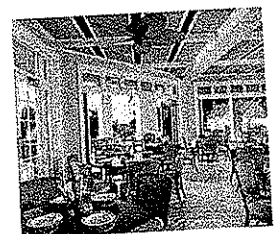
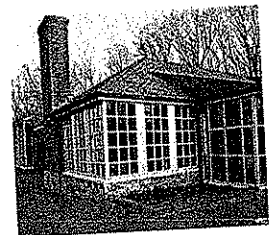
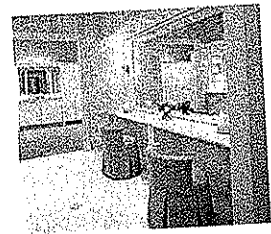
The team's policy of having Principals directly involved with each design commission ensures that every project meets the highest standards of design integrity and adheres to budget and scheduling requirements. Our success is measured by numerous repeat clients and award-winning portfolios of finely-crafted designs which are appropriate, forthright and timeless.

DESIGN EXCELLENCE

The **cox graae + spack architects / Image Design** team is committed to the principles of design excellence. The team's portfolios illustrate our ability to create high quality, beautiful and sustainable projects that reflect and celebrate the values and culture of each unique client. We are committed to creating places and spaces designed not only to satisfy the fundamental objectives of the program, but also to foster a deep sense of pride in their users. These qualities in each project combine with our fundamental integration of appropriate materials, energy efficient design strategies and operationally efficient planning to produce buildings that are sustainable in a deeper sense beyond merely being "green". They vitalize their settings and users alike.

Beauty plays an important role in our approach. Space and materials are composed to engage the senses through light and texture. Keenly aware of the diverse needs of each client, the buildings we produce strike the simultaneous cords of being respectful of their context yet contemporary and appropriate yet unique.

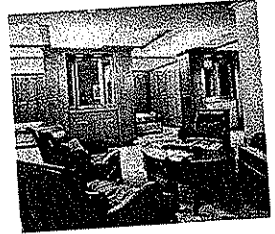
We incorporate proven materials, systems and technologies that are consistent with each client's quality and budget expectations – with careful consideration of life-cycle costs and the implications for ongoing maintenance. Our commitment to delivering outstanding technical and aesthetic services leads to excellent designs and enduring structures.



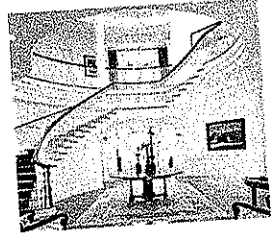


A.2: TEAM ORGANIZATION

The **cox graae + spack** architects / **Image Design** team combines the best of both firm's extensive experience to create outstanding improvements to the Cacapon Resort State Park. **cox graae + spack** architects is a local firm with a proven track record of delivering award-winning public and institutional architecture in the region. **Image Design** brings a wealth of experience designing guest rooms, golf cottages and fitness centers in a practice spanning thirty-five years in the field of hospitality design. The team shares a common foundation of appropriate / contextual design excellence, collaborative work style and commitment to our clients and the constituents that they serve.



For the proposed improvements to the Cacapon Resort State Park lodge and associated facilities, **cox graae + spack** architects / **Image Design** will team to lead the programming, space analysis, conceptual / schematic design and design development work. The team will apply Division of Natural Resources Parks & Recreation Section best practices and partner with the Agency to develop an innovative design within the constraints of the project budget. **cox graae + spack** architects will take the lead for base building construction documents, the entitlement / permitting process and construction administration as well provide overview and coordination of the consultant team. **Image Design** will be responsible for all interior design aspects of the project as well as developing FF&E packages and, if requested, assign in-house purchasing agents to assist with purchasing services.



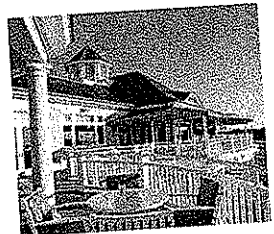
cox graae + spack architects recognizes that successful completion of the Lodge expansion and improvements, golf course modifications and improvements to the water supply and waste water treatment systems at the Cacapon State Park will require a well-coordinated effort among the team's highly skilled professionals. We are committed to providing The Division of Natural Resources & Recreation with the full resources of our experienced staff to produce high-quality documents and an excellent project. We have assembled a proven consultant team, representing a broad range of expertise, to support the Division's mission to ensure that this facility is appropriately planned, designed, constructed and operated. Our proposed team is organized around qualified consultants with experienced individuals assigned to perform the following key project roles :



CLIENT

Project Development

Cacapon Resort State Park
 State of West Virginia
 Division of Natural Resources
 Parks & Recreation Section





A.2: TEAM ORGANIZATION

LEAD DESIGN TEAM

Architecture / Interior Design :

**cox graae + spack architects /
Image Design, Inc.**



BASE SUB-CONSULTANT TEAM

Civil Engineering / Landscape Design :

Bowman Consulting Group

Waster Water Engineering :

Waste Water Management, Inc.

Structural Engineering :

Linton Engineering, LLC

M / P / E Engineering :

Bansal Associates



SPECIALTY SUB-CONSULTANT TEAM (as required)

Food Service Design :

Next Step Design

Lighting Consultant :

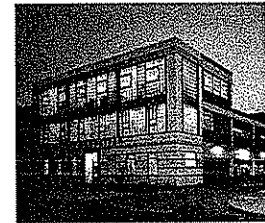
MSK Lighting

Acoustic / AV Consultant :

Polysonics, Inc.

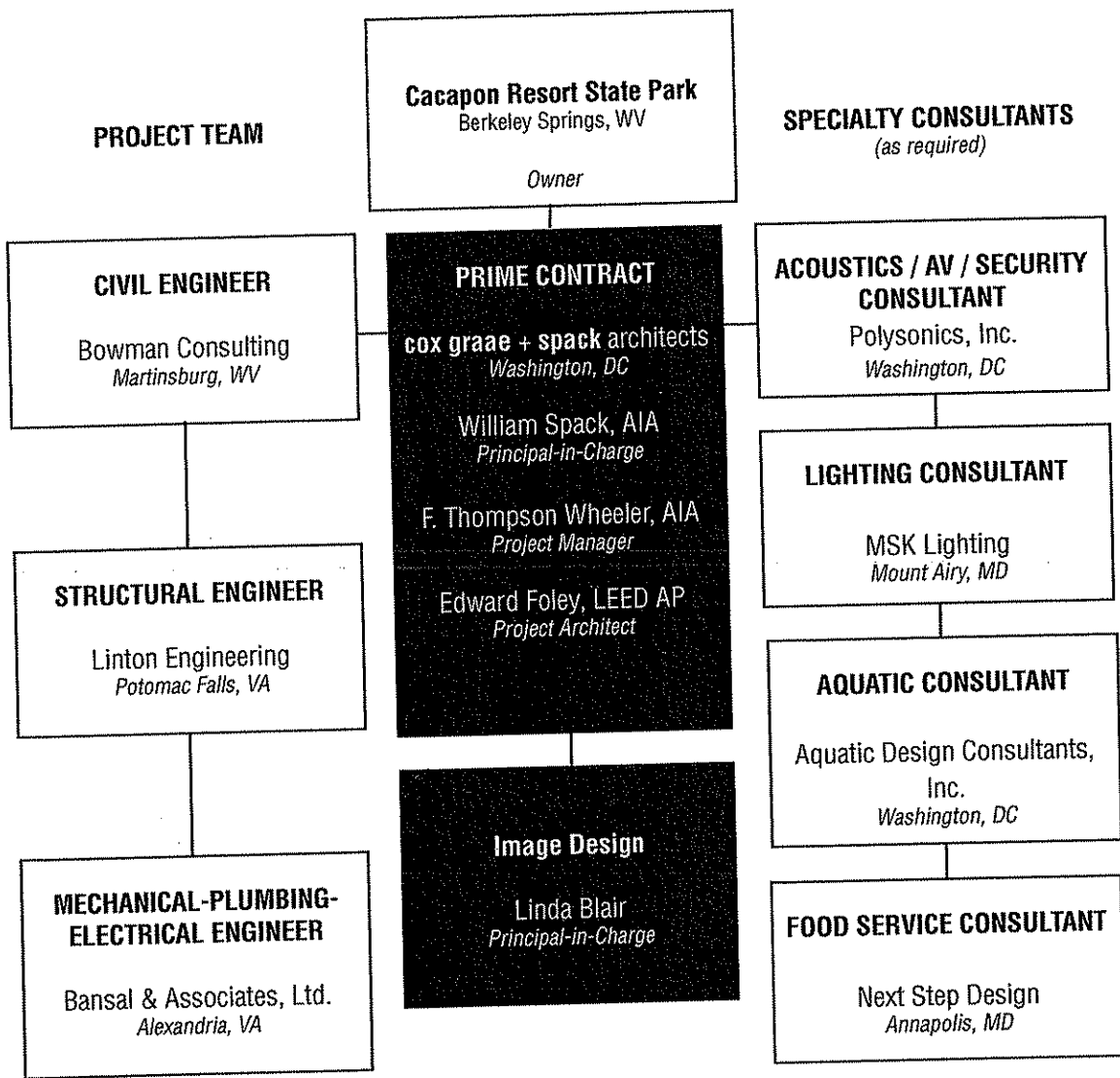
Pool Consultant :

Aquatic Design Consultants, Inc.





A.2: TEAM ORGANIZATION

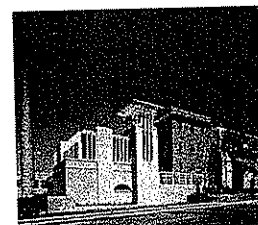


FIRM PROFILES AND ROLES :

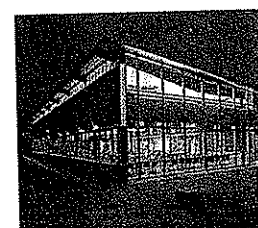
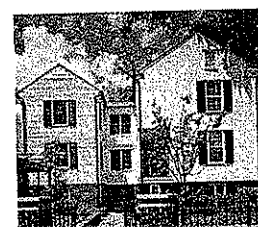
Architecture / Project Management :	cox graae + spack architects
Principal-in-Charge :	William Spack, AIA
Project Manager :	F. T. Wheeler, AIA
Project Architect :	Edward Foley, LEED AP



In addition to its design leadership, **cox graae + spack architects** will play a key role related to the coordination of all project team efforts to insure the timely production of high quality products and services. Project organization and total team involvement are two key factors in successful project management. **cox graae + spack architects** is committed to the direct involvement and full participation of the firm's Principals in all phases of the work. The Principal-In-Charge will be responsible for the overall contract performance, and will serve as a direct link to the Division of Natural Resources. The Principal-In-Charge will also provide an important bridge between consulting team leaders and the firm to maximize communication and assure quality performance. The Project Manager will report the Principal-in-charge and be responsible for the day-to-day coordination of the design team's efforts and for working directly with the Department to ensure that the project is on schedule and fulfilling the needs of all involved. Project Management methods include software tools that facilitate dialogue and coordination across the various disciplines, measured benchmark deliverables embedded in the production schedule and, as appropriate, Integrated Design Workshops in which members of the design team interact with the Department of natural Resources and other select stakeholders. Through constant communication and careful information tracking, the Project Manager will administer the primary objective of delivering high quality documents, on time and on budget.



The "early and often" approach to cost monitoring is key to maintaining the project budget. Programming and space utilization decisions require careful scrutiny to achieve greatest efficiency at the outset of the design process. Similarly, value management analysis will be required for systems design and materials selections to keep the projects within the parameters of the established budget. From the point of early concept design, the project team will assign cost values in order that decisions have the context of their relative budget impact. As the design develops, the cost model will be updated to insure that design development proposals stay consistent with the budget constraints. Construction Documents that are true to the agreed upon scope of work, without significant embellishment, maintain the project budget and avoid ambiguity, conflict and minimize Change Orders during construction. We take great pride in, and are committed to, evaluating every opportunity to reduce cost through the use of alternate designs, systems or materials prior to construction.



A.2: TEAM ORGANIZATION

cox graae + spack architects recognizes that that our services are not complete at the end of design but rather when the owner takes possession of a high-quality, sustainable building product. The construction administration phase is a critical aspect of our job and is managed with the same high level of professional skill and attention we bring to the previous project design phases. We believe that our ability to represent the interests of the State of West Virginia through the construction period and administer the execution of our plans through construction is reliant on the following key strengths :

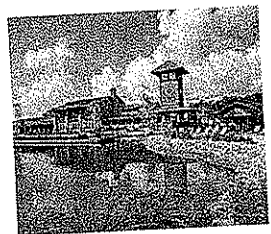
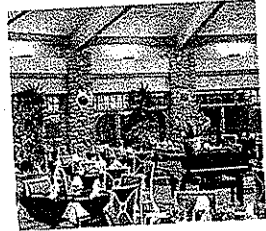
- A proactive approach
- Responsiveness
- Strong communication skills

We believe in a total commitment to the construction phase of the project and the importance of representing the Owner's interests during this period. We are well located to access the site and have a firm culture that emphasizes a proactive approach and responsiveness. We possess the tools and communication skills to successfully interface with the contractor and facilitate compliance with the approved construction documents.

Interior Design : **Image Design, Inc.**
Principal-in-Charge : Linda Blair

Image Design has built a reputation for creating exceptional interiors with a focus on Hotels and Club Residence Villas; Resort Amenities; Golf and Country Clubs; City Clubs and Spa / Fitness Centers. The firm endeavors to incorporate the classic principals of scale, proportion, color and quality into every design. **Image Design** promotes a collaborative approach to the design process that encourages each client to develop and hone their own unique style and taste – discouraging short-lived trends and promoting quality and timelessness. Emphasis is always placed on beauty, comfort and function recognizing that the most important element of any design is the people who use it.

The strength of **Image Design** is the ability to compile a design team for the project whose skill and experience closely match the client's unique requirements. Specifically, the teaming of architectural sensibilities and strong technical expertise with interior design and furniture knowledge enables the team to respond to the diverse needs of a project with seamless communication. With this approach we provide a single source of contact for addressing all of the projects interior design and furniture needs.



Civil Engineering / Landscape Design : **Bowman Consulting**
 Principal-in-Charge : Michael P. Pointer
 Dir. of Engineering : J.W. Cody Francis
 QA / QC : Russell Smith

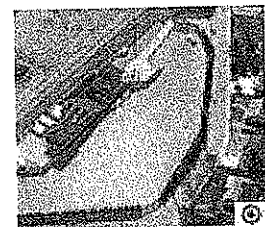
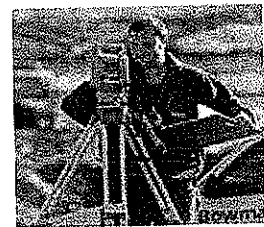
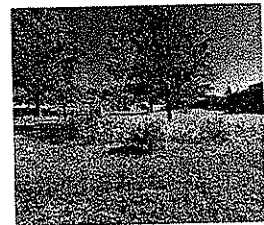
Bowman Consulting provides engineering, planning, surveying, environmental and landscape architectural services to a variety of markets, both private and public, throughout the mid-Atlantic region. The firm offers specific expertise in zoning and in land development / building regulations at the local, state and federal levels. The work of the firm includes recreational, municipal, residential, commercial, retail, health care, educational, and federal projects. Headquartered in Virginia, west of the nation's capital, Bowman Consulting has over 250 employees in 10 regional offices including Martinsburg, West Virginia.

Bowman Consulting's clients benefit from a balance of deep resources, often associated with large firms and the flexibility and quick response associated with smaller boutique operations. Its geographic footprint results in the regional jurisdictional knowledge that clients need to move projects through intricate approval processes.

Since the company's inception, **Bowman** has provided professional opportunities for its staff and dedicated remarkable resources to projects of all sizes. The firm's progressive culture attracts the industry's best and brightest people. The focus however, has remained on the clients and on providing them with high-quality, innovative, cost effective and efficient solutions to site and design challenges. From personnel to technology, Bowman continues to offer and provide the best resources in the industry.

Waster Water Management : **Waste Water Management, Inc.**
 Principal : Kishorchandra Mehta, PE
 Project Manager : Michael Rossi, PE

Waste Water Management, Inc. is a registered Small Business entity / professional services engineering corporation. David Rigby PE, the firm's founder and President has over 35 years of experience in the planning, design, construction, operation and financing of municipal, industrial and private water and wastewater piping, pumping and treatment systems. The firm's services include planning, existing facilities analysis, operations assessments, engineering reports, preliminary engineering design, detailed engineering, bidding, contract document preparation, contract management, construction inspection, shop drawing review, start-up assistance and as-built drawings. **Waste Water Management** is nationally recognized for its expertise in the analysis and design



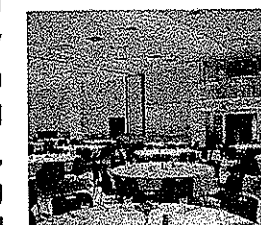
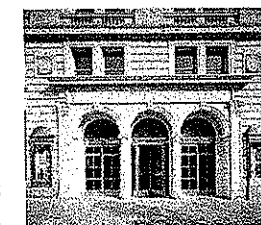
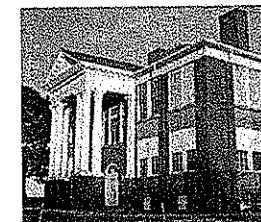
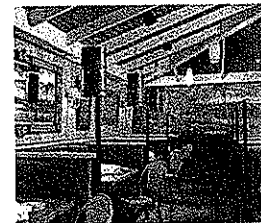
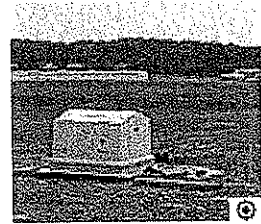
of complex hydraulics, wastewater process evaluation and treatment systems. The firm provides engineering, consulting, and design services throughout the mid-Atlantic region and has established expertise in the field of waste minimization and the application of eco-appropriate technologies.

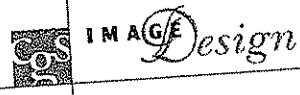
Structural Engineering : **Linton Engineering, LLC**
Principal-in-Charge : David Linton, PE

Linton Engineering, LLC is dedicated to providing high quality professional structural engineering services. The firm's diverse and extensive experience includes designs for new institutional and commercial buildings, structural alterations and additions to existing buildings, renovations, rehabilitations and the adaptive re-use of historic structures. **Linton Engineering** has worked on facilities that are listed on the National Register of Historic Places and is familiar with the Federal Historic Preservation laws and Secretary of the Interior Standards. The firm has worked with many types of structural systems and building types and has conducted numerous building investigations, surveys and forensic evaluations. **Linton Engineering's** registered professional engineers and their support staff utilize the latest in computer software technology to assist in their design and analysis. They are experienced with multiple applications and have developed in-house software for vibration analysis, beam penetrations, wood connection design and retaining walls. Committed to quality and client service, the firm understands the need for timeliness, responsiveness and accuracy.

Mechanical / Plumbing / Electrical Engineering : **Bansal & Associates, Inc.**
Principal-in-Charge : Ved Bansal

Bansal & Associates has provided code compliant, energy efficient, and cost effective mechanical, electrical, plumbing, and fire protection (MEP) engineering design and consulting services for over nineteen years. The firm continues to respond to the needs and requests of architectural, developer, corporate, and government clients who create, finance or build the environments in which people live, learn, work, worship, entertain, and shop. **Bansal & Associates** celebrates nineteen years of finely tuned design and construction administration processes that have enabled the firm to complete within budget and schedule more than 4,000 projects, ranging in value from 1,000 to over 100 million dollars. The firm provides value-engineering services with a track record of reviews that typically result in design concept revisions saving 10 to 20 percent in initial HVAC system equipment costs while improving both building operating cost efficiency and occupant comfort. **Bansal & Associates** provides investigation, studies, plans, specifications, contract documents, and construction administration, including as-built drawing preparation, review and approval of shop drawings, and





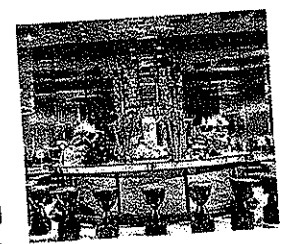
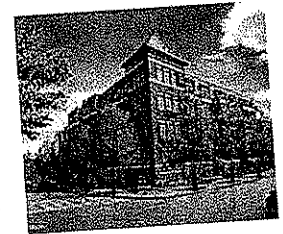
A.2: TEAM ORGANIZATION

construction administration, including as-built drawing preparation, review and approval of shop drawings, and construction in the following areas:

MECHANICAL: Heating, Ventilation, Air Conditioning, Refrigeration, Process Piping, Energy Conservation, Life Cycle Analysis, Plumbing, and Fire Protection

ELECTRICAL: Interior and Exterior Lighting, Power Generation and Distribution, Short Circuit Analysis, Coordination Studies, Process Controls, Life Safety Systems, Communications and Special Systems

LEED DESIGN: Sustainable MEP engineering design that meets the criteria defined by the United States Green Building Council's Leadership in Energy & Environmental Design program for new construction, major renovation projects, and existing buildings



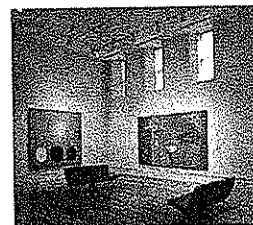
Food Service : **Next Step Design**
Principal-in-Charge : Russell Stillwell

After over 25 years in the industry and planning nearly 1,000 facilities, **Next Step Design** has a proven track-record of creating customized foodservice solutions. Day in and day out the firm works with architects, owners and chefs making sound recommendations for their specific issues and concerns - focused on end use - utilizing the objectivity needed in working as part of the planning team. The **Next Step Design** approach blends aesthetics with functionality. By taking into account the importance of traffic flow, spatial planning, construction elements and equipment, the firm delivers creative solutions with the end user in mind. **Next Step Design** believes in becoming an advocate for the client, - helping them address the unique demands presented by the foodservice industry. Since the firm does not sell equipment, they provide the objectivity to make the best recommendations for the success of each operation. Providing assistance in overall project management to critical evaluation of estimates, the firm keeps its client's needs in focus.

Lighting Design : **MSK Lighting**
Principal-in-Charge : Mark Ketteran

MSK Lighting specializes in working with clients, Architects and Designers to assist them in realizing their vision. The firm's reputation is built on the foundation of sincere and insightful exploration that gets to the core purpose of each design - an approach that allows the firm to develop a finished product that reinforces the design intent as well as providing great illumination.

MSK Lighting uses light as the basic element in the expression of architectural space. The firm strives to heighten visual cues that the individual experiences within an environment and to manipulate perception to affect any of a number of intended psychological responses. Using a variety of related knowledge, with lighting as the unifying element, appropriate solutions evolve naturally. Whether it is architectural accentuation, energy savings, dramatic effects, or just comfort, each project is evaluated for its unique creative opportunity.



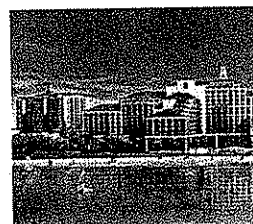
Philosophically, the design intent is to create the proper environment by integrating the use of concealed light sources, natural light, and decorative fixtures. The firm's careful integration of a collective design concept in every project guarantees success.



Acoustic / Audio-Visual Design :
Principal-in-Charge :

Polysonics, Inc.
Gordon Jacobs

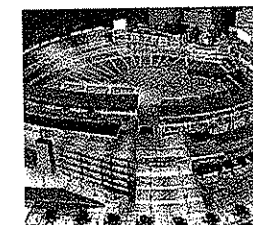
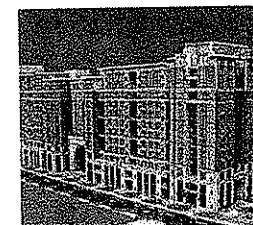
Polysonics, Inc. is a 50 year old professional consulting firm specializing in acoustics and integrated technology design based in Washington, DC. The firm understands that hospitality begins and ends with the guest experience. Whether it is a room that is quiet and restful, electronic amenities to inform and entertain or seamlessly integrated back-of-house systems, Polysonics provides acoustical and technological solutions to help you do what their hospitality clients do best... serve their guests.



Established in 1958, the firm has enjoyed steady growth due to our client-focused, quality driven approach to their projects. With the firm's depth of experience in acoustics and technology design, Polysonics can provide the right combination of effort and vision to efficiently offer the very best design solutions for any project, regardless of scale or complexity.



A key benefit the the firm provides project is the ability to have a single point of contact for a wide array of technological services ; Planning and Management, Interior Acoustics, Environmental Acoustics, Communications, Audio / Visual Systems, Surveillance / Access Control and Construction Administration. This simplifies project controls and adds considerable value by integrating these disciplines into a single, coordinated approach to the entire project.

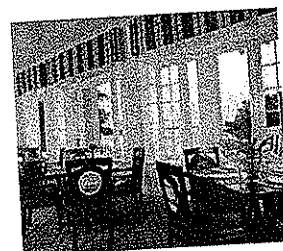
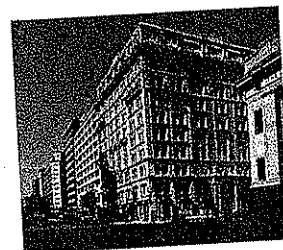
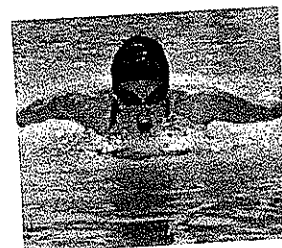
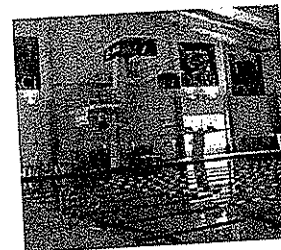


A.2: TEAM ORGANIZATION

Pool Consultant : **Aquatic Design Consultants, Inc.**
 Principal-in-Charge : Kevin McElyea

Aquatic Design Consultants, Inc. is a design company founded by veteran professional aquatic designers who decided to build a firm completely dedicated to planning and designing truly successful facilities for their clients. The firm's designers are supported by the culture of the company that encourages a sense of success based solely on how well each client's needs are satisfied.

Aquatic Design Consultants approaches every new project with a blank slate. Every facility is different and the firm's design efforts are customized to the uniqueness of each situation and each set of client objectives. Because of their specialized expertise, the firm is frequently hired by architectural firms to serve as the specialized aquatic planners and designers on a variety of projects. For these types of projects, **Aquatic Design** works under the lead project architect to ensure that the aquatic facility portion of the project is professionally planned and designed to satisfy the client's needs and objectives perfectly.



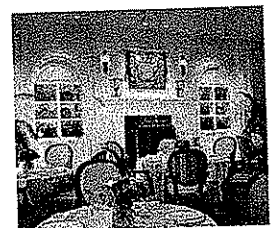
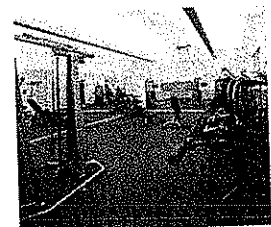
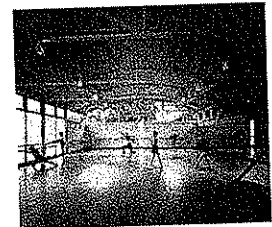
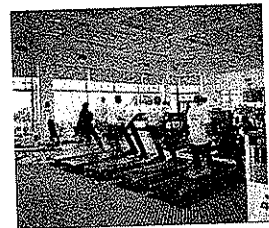
B: HOSPITALITY / FITNESS CENTER DESIGN

The **cox graae + spack** architects / **Image Design** team has been creating innovative, efficient, sustainable, comfortable and beautiful institutional / hospitality and fitness center facilities for a collective total of over 60 years – earning our respective reputations as regional leaders in the planning and design industry. Because we are planners as well as designers, we endeavor to actively shape the future of institutional services and facilities. As Planners, we help our clients develop long-range facility plans that reinforce their long term goals and objectives. As Designers, we work with diverse clients to create stunning and innovative architectural icons that marry their design values with high function, operational efficiency, and environmental stewardship. As Architects, we manage the process in order to meet our client's budget and schedule expectations, as well as to ensure maximum engagement of user groups and stakeholders in the project development process. As a result of our comprehensive approach, many of our respective Institutional projects have received awards from design and professional organizations, as well as enthusiastic praise from their users.

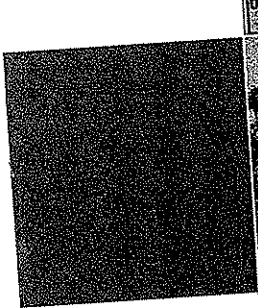
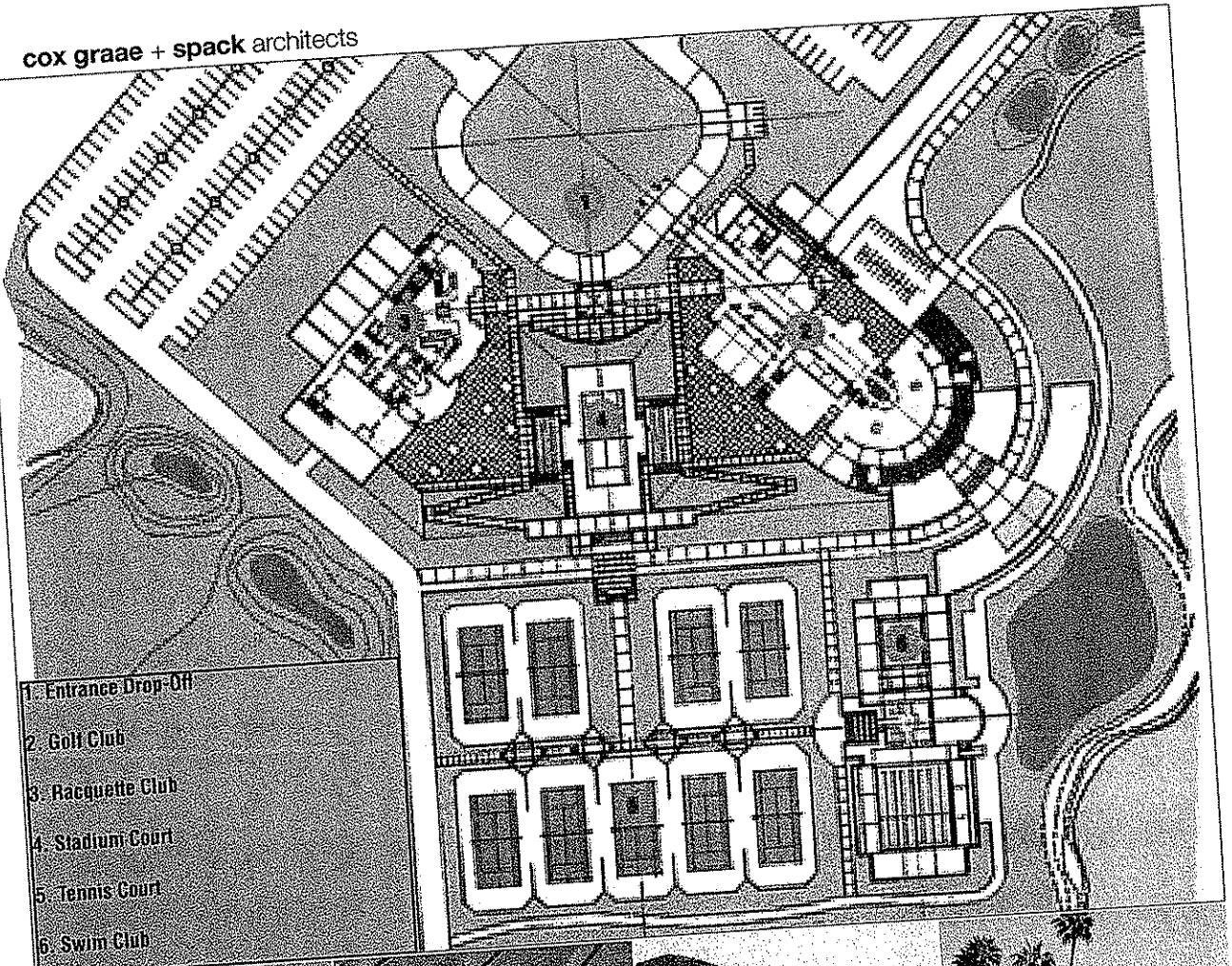
In our hospitality / fitness center related design, we focus on client's needs while creating unique, classic facilities. The firms develop a close working relationship with each client and contractor so that communications are fluid, expectations are met, and schedules kept. With clarity of vision, thoughtful planning, artful consensus building, and rigorous follow through, we can ensure that our designs are integrated, elegant and timeless.

Image Design brings today's market an unrivalled range of Interior Design and furniture procurement services with expertise specific to the Hospitality Industry. Each project begins with extensive research necessary to render every design a unique expression of the client. The firm's in-depth experience brings functional design solutions and applicable resources to the complexities of these building types. Hospitality / fitness interiors require an ambiance that is comfortable, inviting and invigorating, yet one that holds-up to intensive use. Based on completion of more than 250 projects world-wide, Image Design possesses the knowledge and experience to meet these challenges.

The **cox graae + spack** architects / **Image Design** team philosophy centers on a holistic approach to design - as we define crucial project goals - relating these to environmental, programmatic, aesthetic, and budgetary concerns in the development of the overall project vision. We are committed to creating architecture and interiors of the highest quality and endeavor to build long-term relationships with each client based on delivering outstanding technical and aesthetic services. Over the years, the firms have successfully completed myriad institutional and local government administered facilities that include residential and / or fitness related components to their program.



cox graae + spack architects



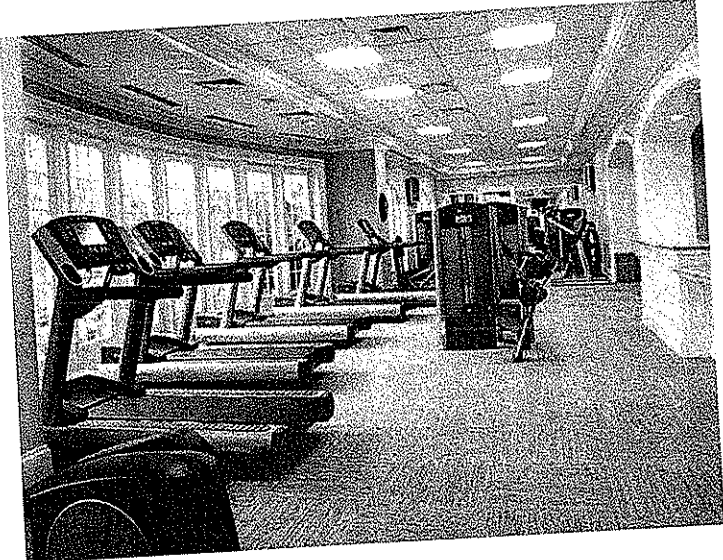
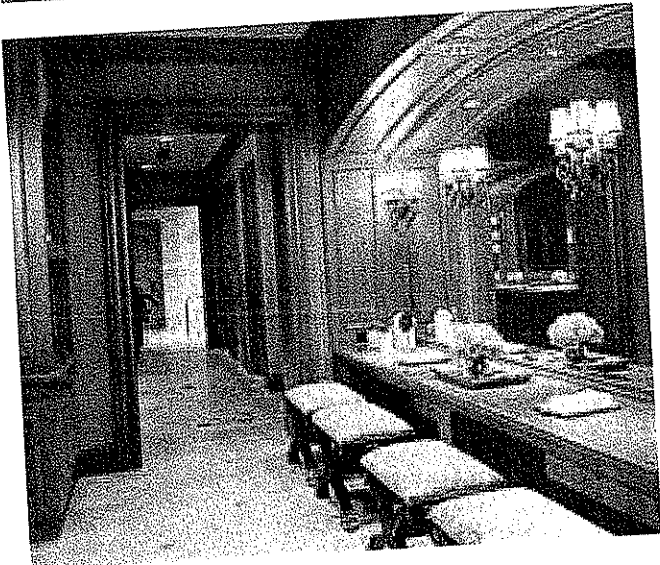
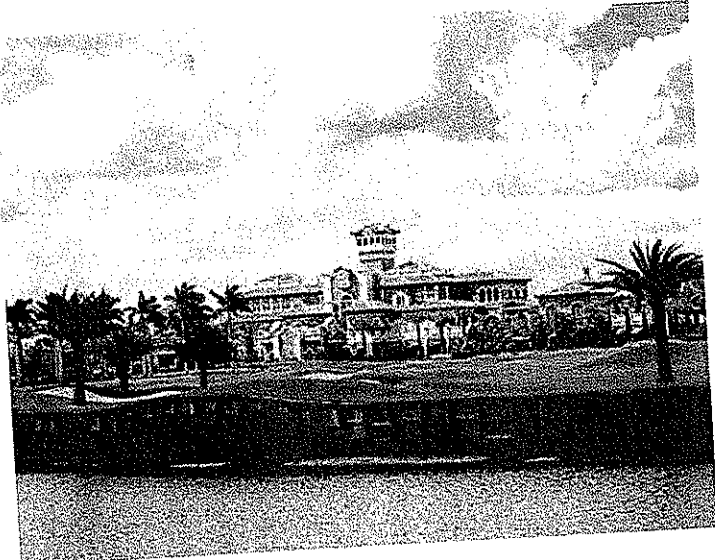
Arrowhead Country Club
 Glendale, AZ

Project Description

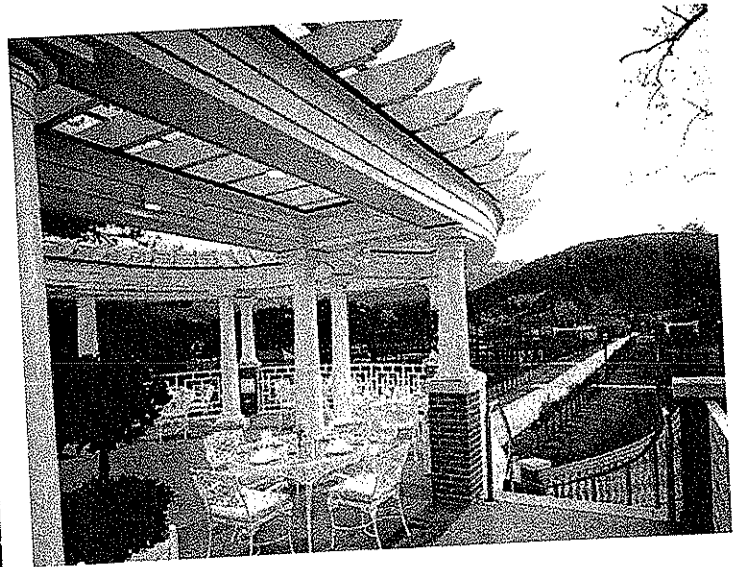
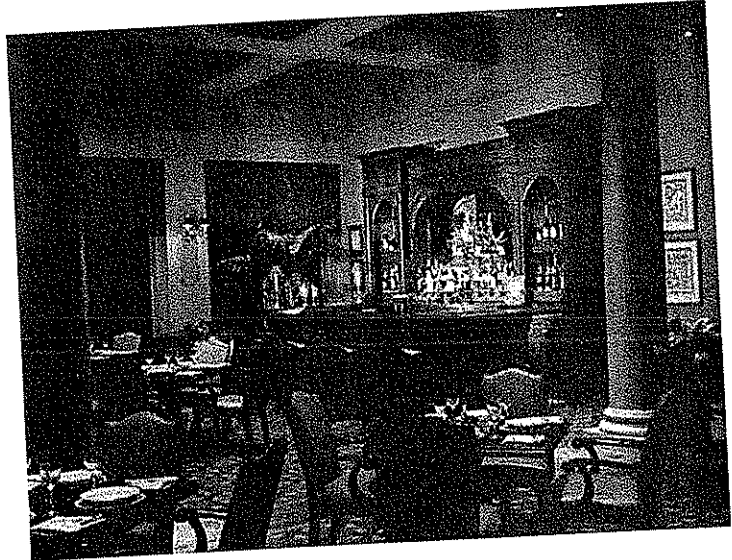
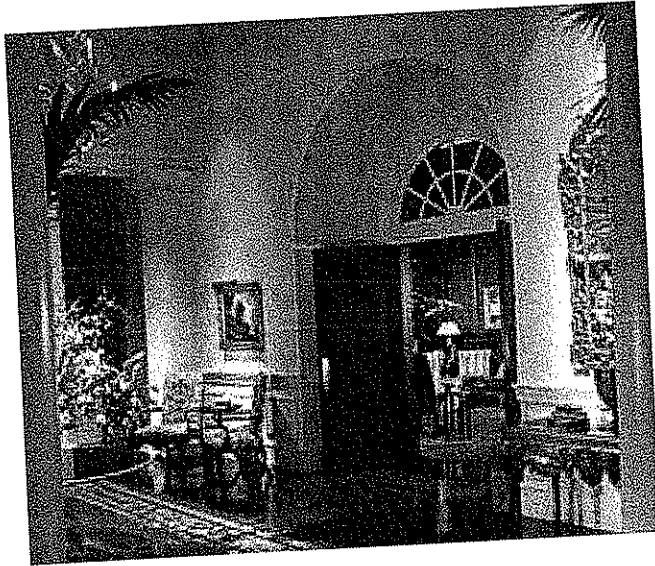
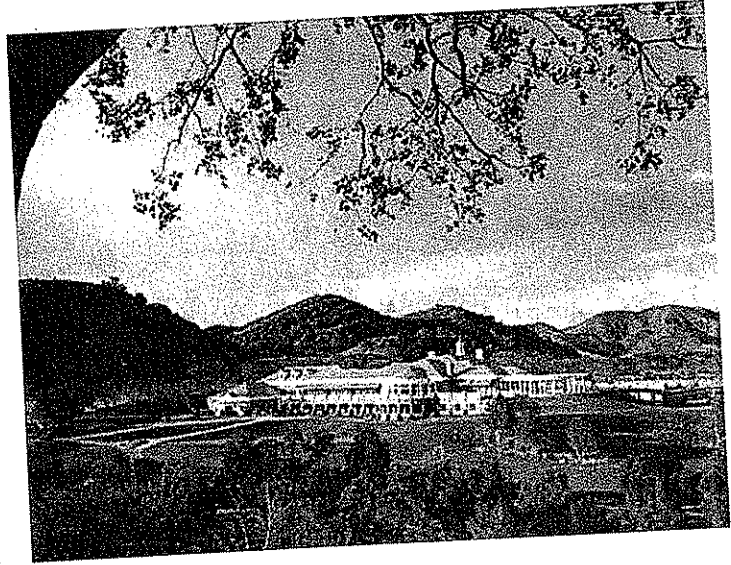
William Spack, AIA was the lead designer for the Arrowhead Country Club complex in Glendale, Arizona. The club is the centerpiece of the Arrowhead Ranch, the first large scale Master Planned community in the west valley of Phoenix. Surrounded by an Arnold Palmer designed traditional "Links" golf course, the club includes facilities for golf members, a health and fitness club, ten tennis courts - including a championship stadium court - and a swim club featuring three pools. The main clubhouse features an expansive, light filled atrium with adjacent lounge and conference facilities. The club's main restaurant offers sweeping views of the golf course and forms a dramatic backdrop for the 18th green. Member services, including plush locker rooms, private lounges and a grille room feature access to a full service pro-shop and the

adjacent first tee. The separate health and fitness center offers members full exercise and spa facilities on a bluff overlooking the club grounds. The facility offers weight rooms, aerobic exercise rooms, racket courts, a tennis pro-shop and a lounge-grille.

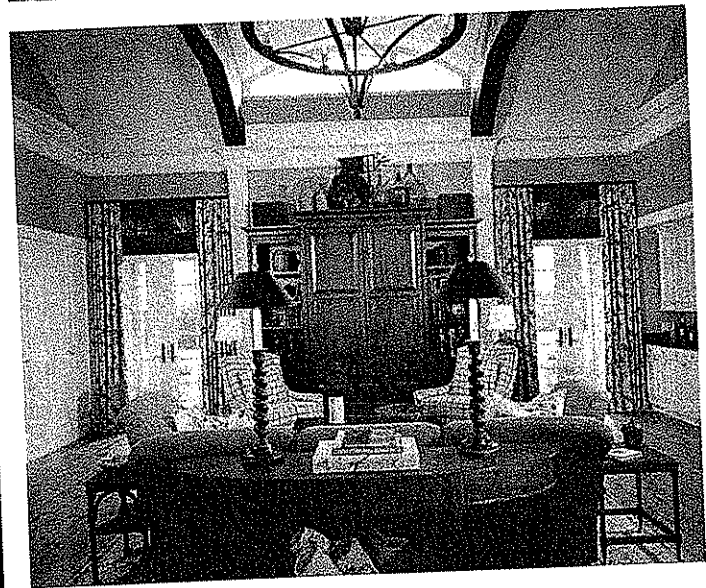
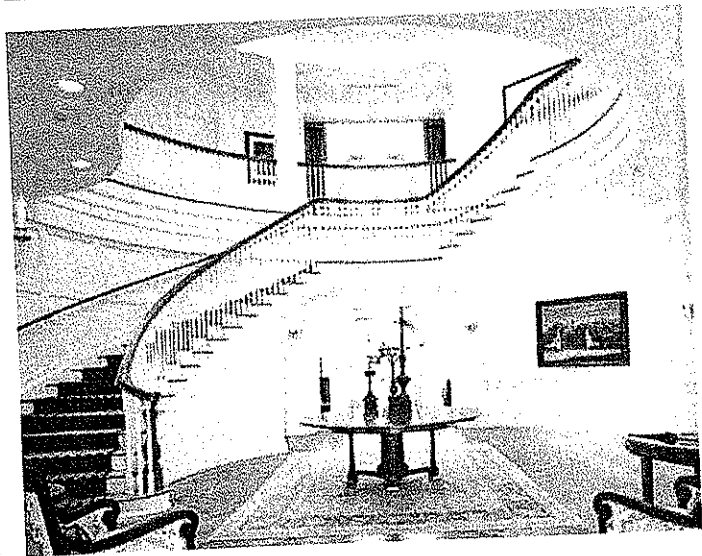
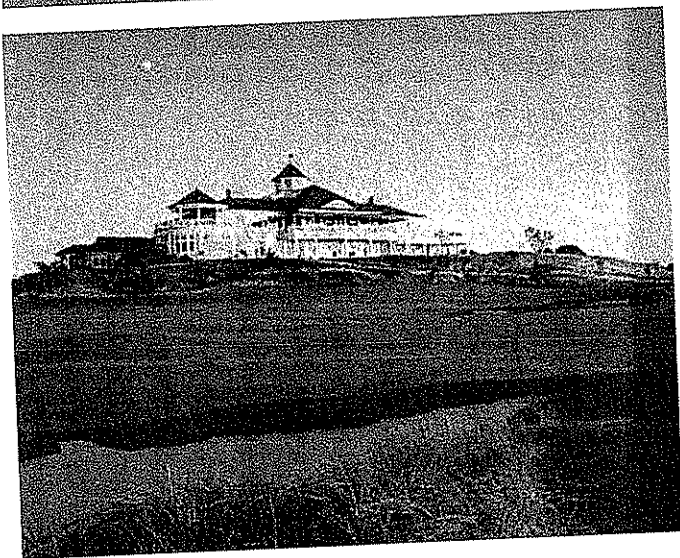
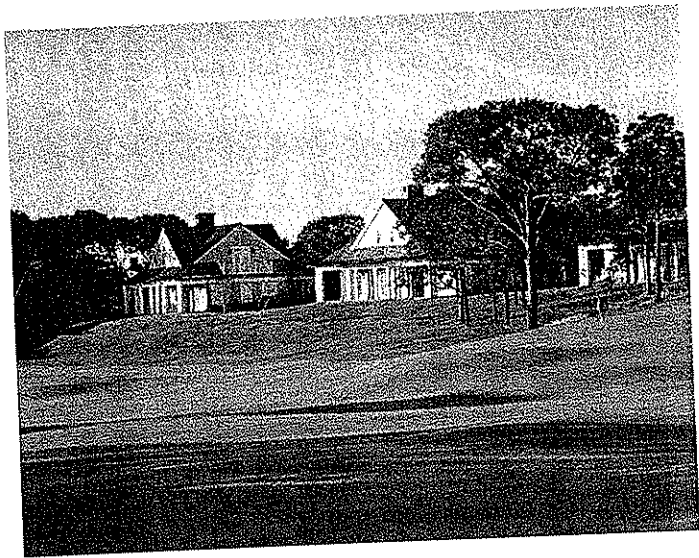
- 1,400-acre Private Golf Club and Community
- Two Championship Golf Courses designed by Arnold Palmer and Tom Watson
- 100,000-sq-ft Lakelmont Clubhouse
- Golf, Spa and Fitness Amenities
- Estate Homes



- 1,900 acre Exclusive Residential Community
- 65,000 sq Georgian Style Clubhouse
- 30,000 sq Spa and Fitness Facility
- Nicklaus Signature Course



- New 28,000 sf clubhouse opened in July 2008
- World Class course designed by Jack Nicklaus and Tom Doak
- Four Bedroom Golf Cottages serving National and International membership



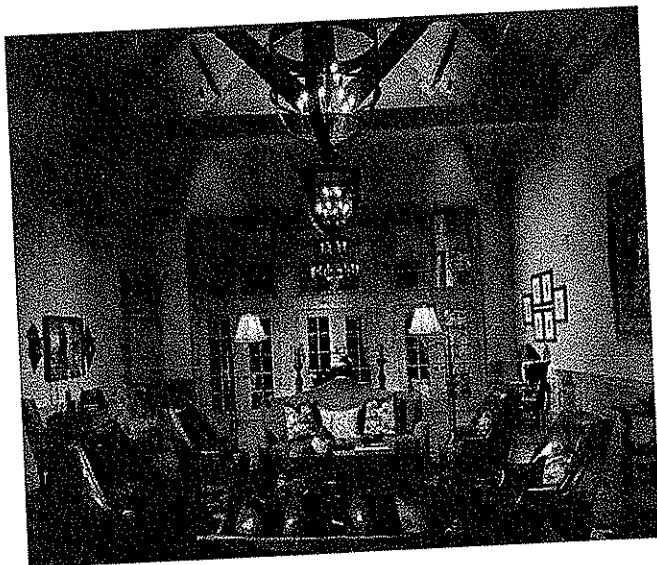
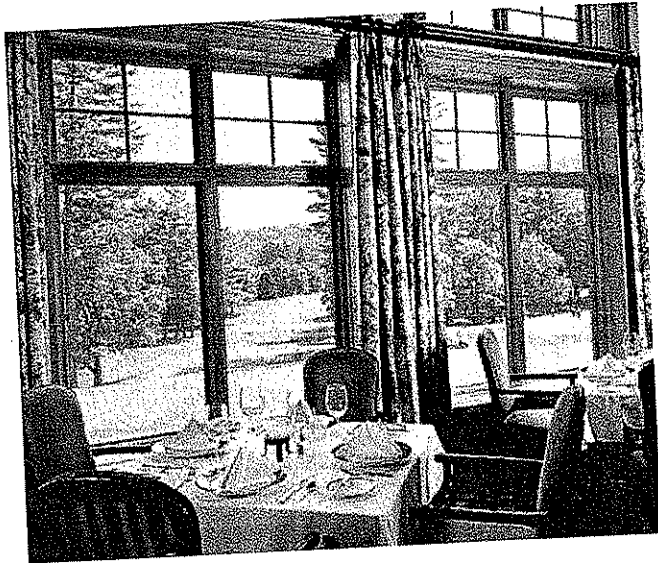
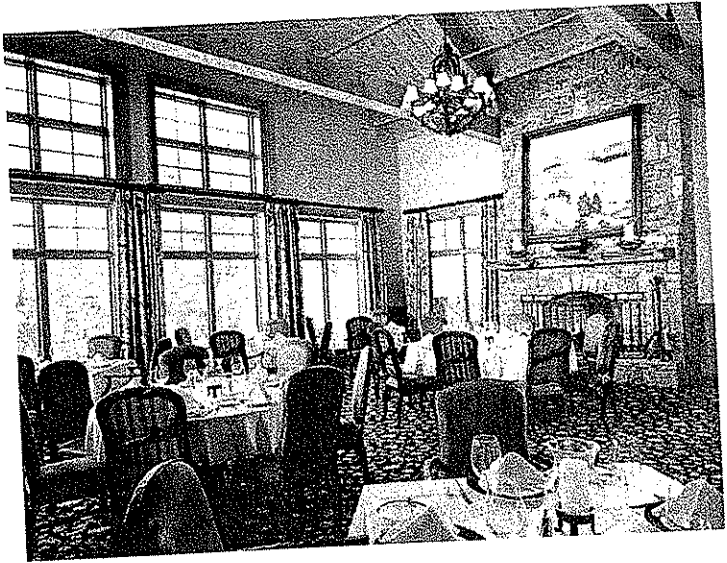
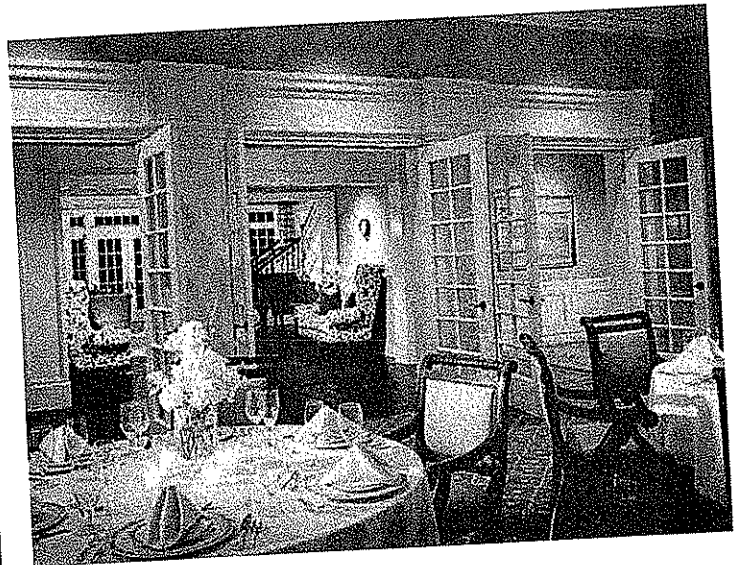
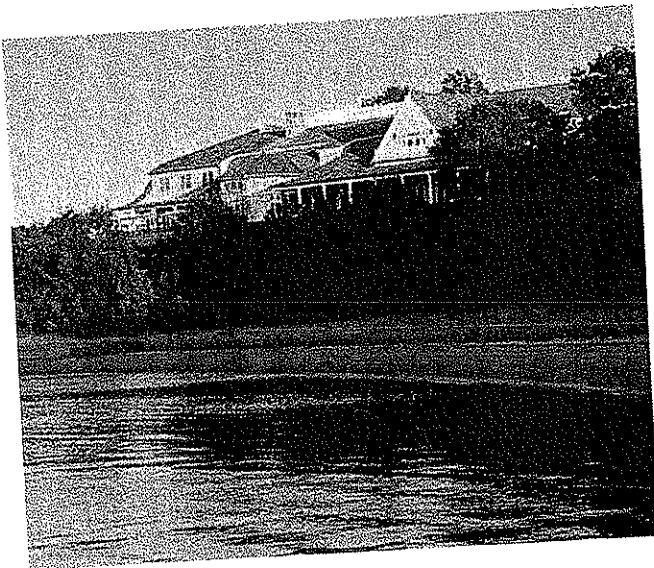
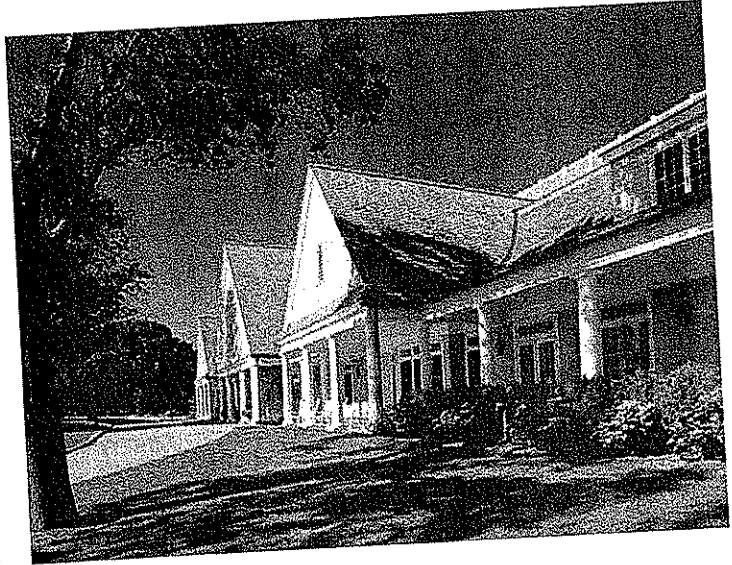


IMAGE *Design*

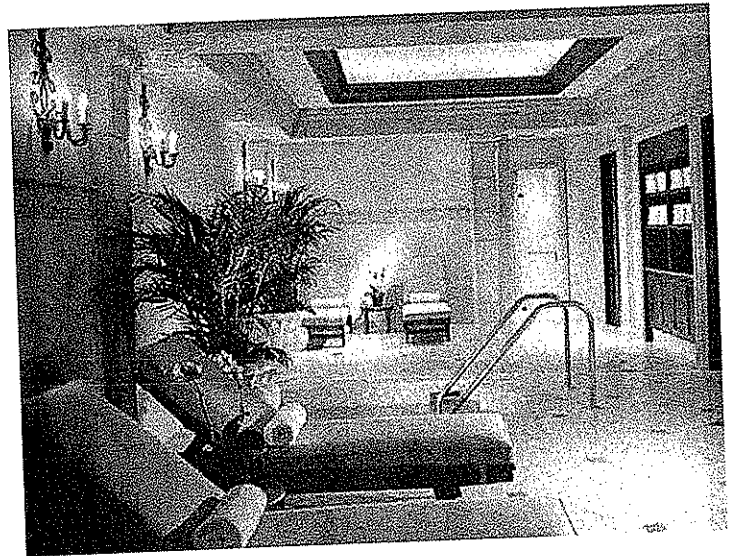
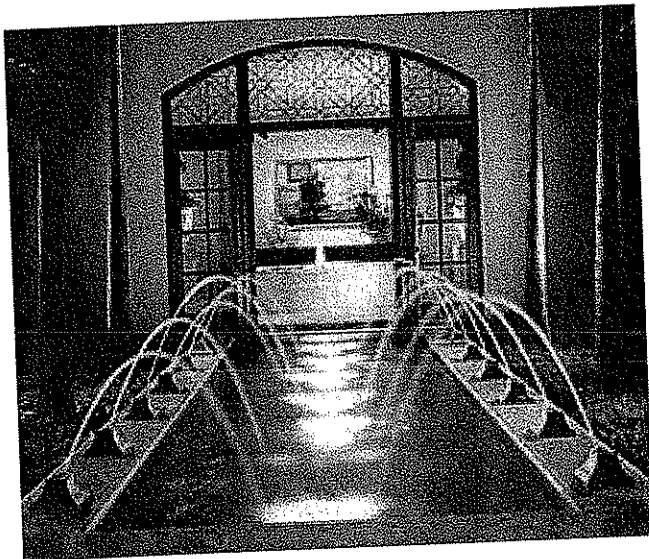
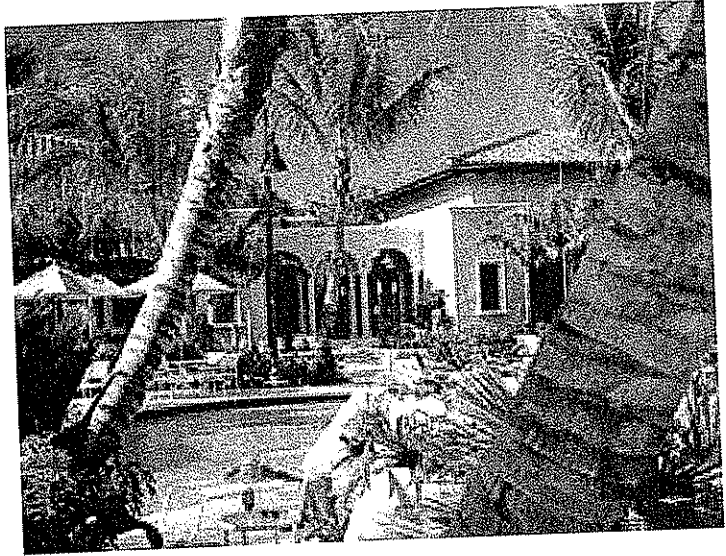
Country Club of Sapphire Valley

Sapphire Valley, North Carolina

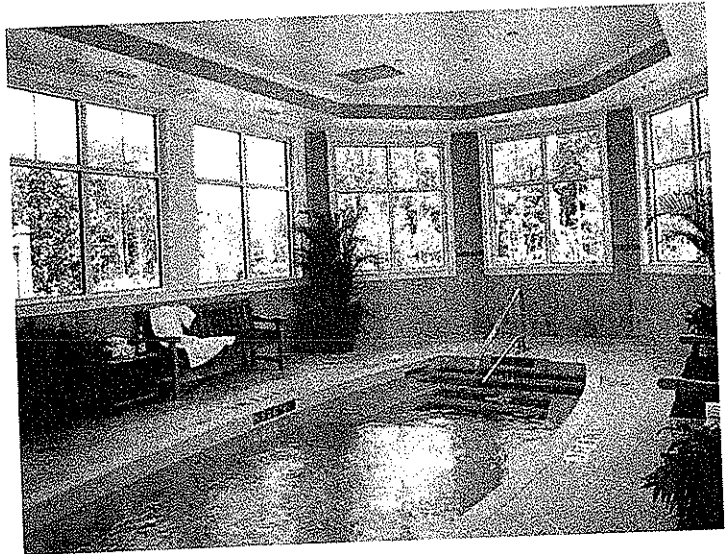
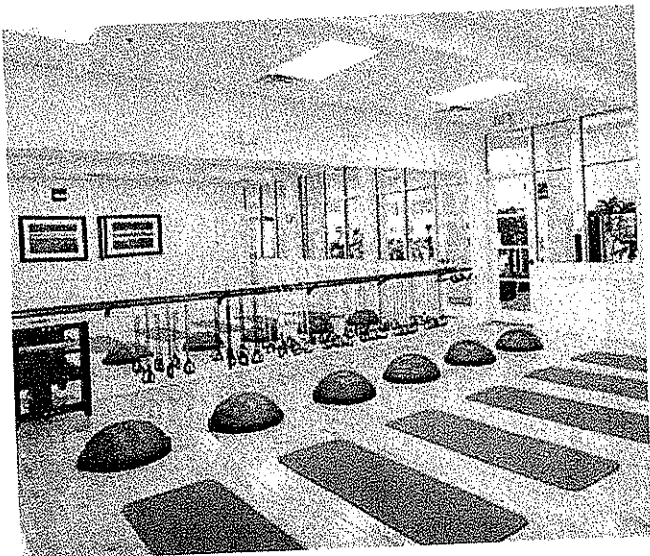
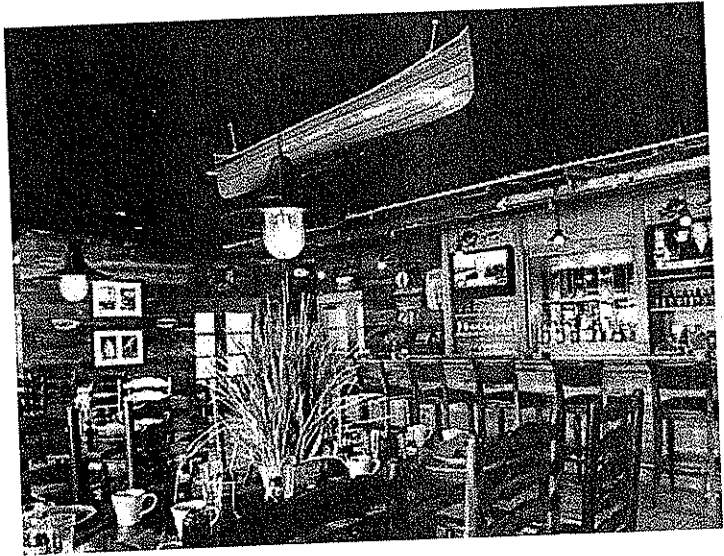
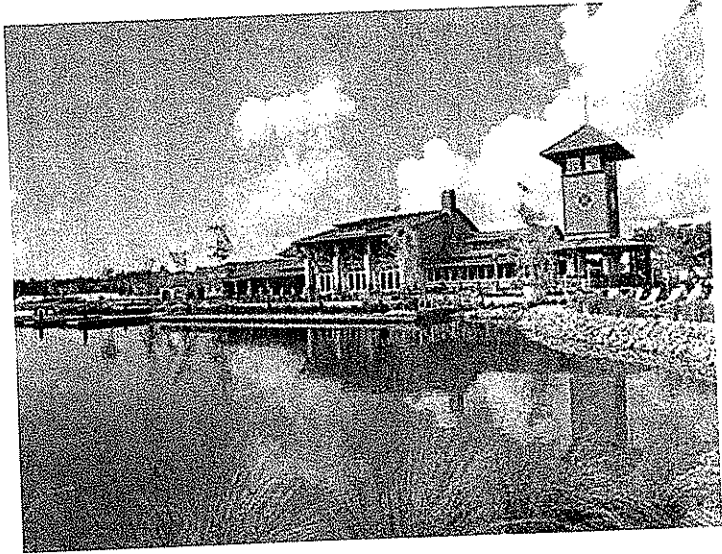
- Gated Private Island on Cape Cod
- Master Planning / Member Approval
- New 35,000 sq Clubhouse
- 18-Hole Donald Ross Golf Course



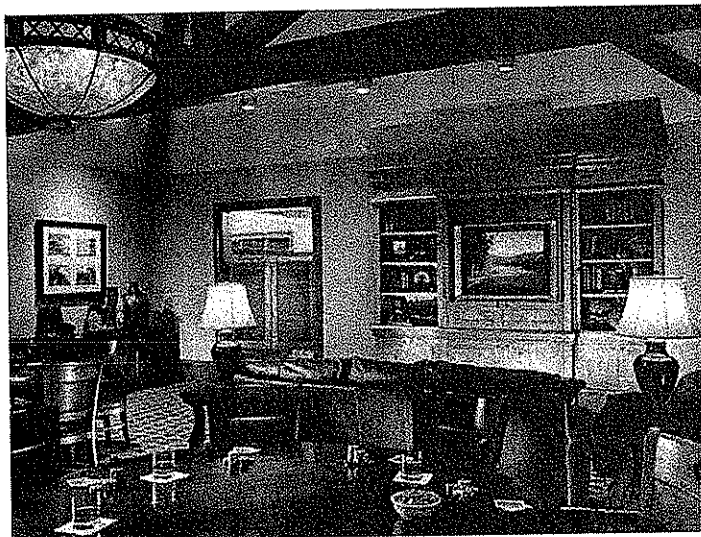
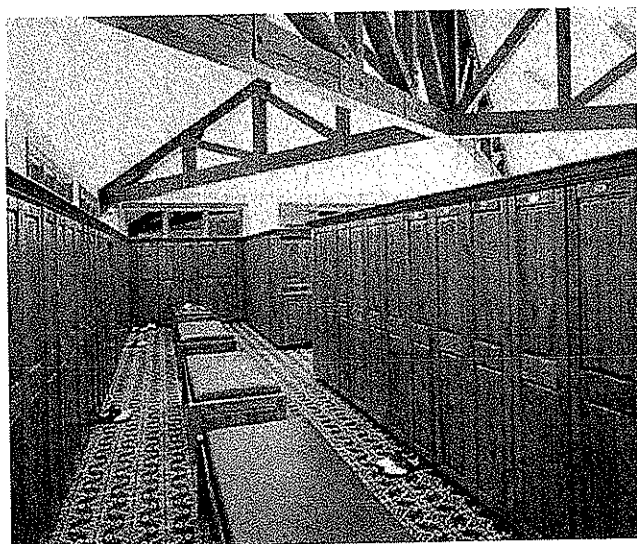
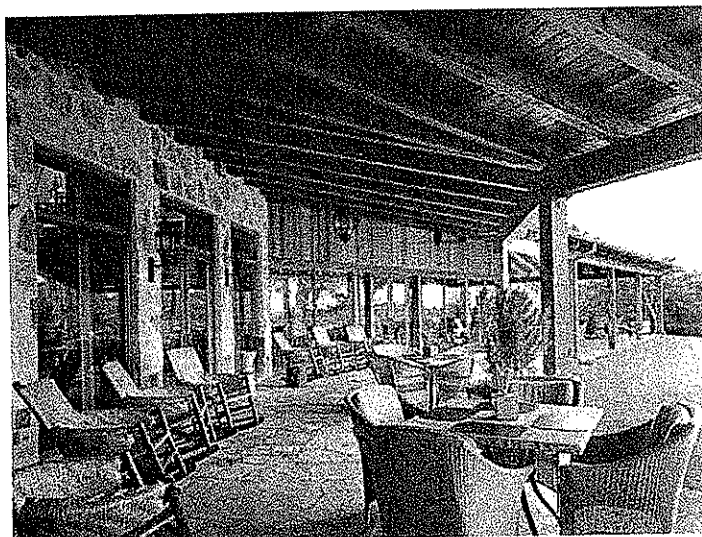
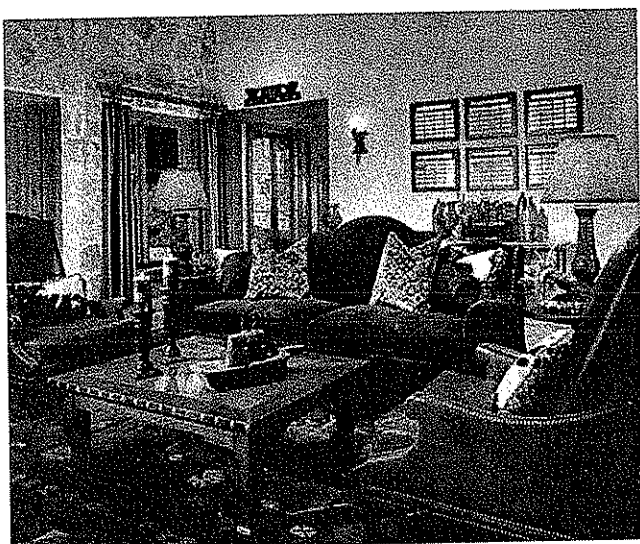
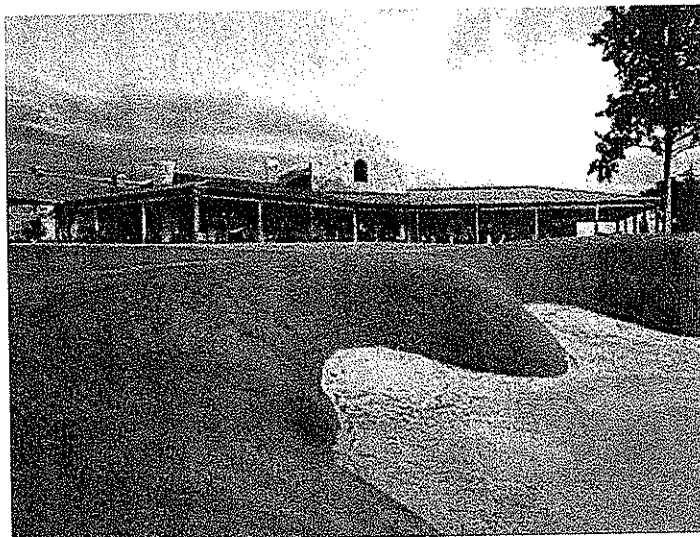
- 285 Acre Ritz Carlton Gated Community
- 65,000 sq ft Clubhouse
- 12,000 sq ft State-of-the-Art Spa
- Club and Spa Serves Fractional Club Villas and Estate Homes



- Family-Friendly Recreational Community featuring a 165 acre Lake
- Spa and Fitness Center
- Lakehouse Grill and Bar
- Boathouse and Nature Center
- Pool Cabana and Bar



- Private Golf Course Development
- Fazio Course— Ranked Among the Top 100
- 12,000 sq Clubhouse
- Limited to 350 Members



- Exclusive Residential Community Surrounding Nicklaus Signature Golf Course
- 50,000 sf Clubhouse and Pro Shop
- 12,000 sf Clubhouse
- Guestrooms and Golf Cottages: The Interiors Reflect the Heritage of Nicklaus' Achievements Through the Years



C: EXISTING BUILDINGS / HISTORIC PRESERVATION

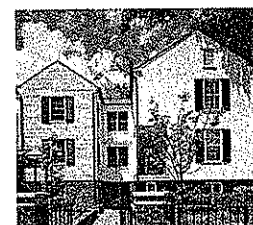
cox graae + spack architects has extensive experience with projects involving the preservation, restoration, renovation, expansion and/or adaptive re-use of sensitive existing historic fabric. The firm has successfully completed complex design projects in the region's local historic districts and have secured approvals through a myriad of historic review bodies including the Old Georgetown Board of the Commission of Fine Arts (OGA-CFA), the Washington DC Historic Preservation Review Board (HPRB), the Arlington County Historic Affairs and Landmark Review Board (HALRB) and the Boards of Architectural Review (BAR) in Old-Town Alexandria and Leesburg, Virginia, among others. In addition, William Spack, AIA is a former Commissioner on Arlington's HALRB and David Cox, FAIA is currently seated on the DC OGB-CFA.

Our approach to addressing existing buildings is rooted in developing a solid understanding of the existing fabric. Design in historic buildings, designs for rehabilitation and designs for new additions and infill, should respect and dignify the existing architecture while evoking an interpretation that is understandable to its stewards, occupants and visitors. Design of new additions should enhance the existing architecture, maintaining rhythm of façade, mass, scale and color. The underlying understanding is one of collaboration with the intent of the original designer. The product should be an historical rehabilitation that does not mimic but codifies, does not copy but magnifies. In the end, the building is telling a story, and we must let that story go on.

cox graae + spack architects is well-versed in the unique requirements of renovating historic landmark structures for uses which require delicate alterations to the original structure in order to meet new functional requirements. The firm's proven ability to balance aesthetically inspirational, functional, economical and sustainable design solutions and the firm's continued success in building consensus between the client, the user, neighborhood representatives, advocacy groups and citizens-at-large is the backbone of our professional integrity.

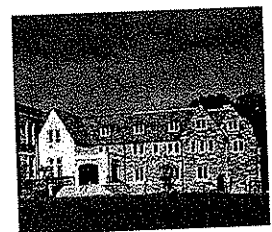
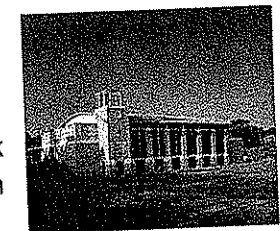
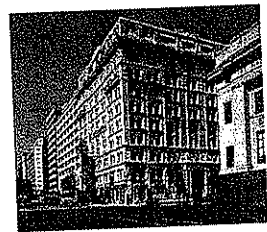
Specific examples of the firm's Preservation / Restoration / Adaptive Re-use experience include:

- **The Glebe House**
Restoration of and addition to the c. 1773 landmark residence in Arlington, VA.
- **The Georgetown Visitation Monastery Chapel of the Sacred Heart**
Restoration of the c.1821 fire and water damaged worship space in Washington, DC



C: EXISTING BUILDINGS / HISTORIC PRESERVATION

- **The Elliot House**
Restoration of, adaptive re-use and addition to the c. 1844 residence as administrative and meeting space for the Old Presbyterian Meeting House church congregation in Alexandria, VA.
- **The George Washington University President's Residence**
Restoration of, adaptive re-use and addition to the c. 1850 Landmark President's Residence for the George Washington University Law School in Washington, DC
- **The Lyndon House Arts Center**
Restoration of, adaptive re-use and addition to the c. 1858 Ware – Lyndon House as an Arts Center and House Museum for Athens / Clarke County, GA.
- **The Georgetown Visitation Preparatory School Founders' Hall**
Restoration of the c. 1873 fire damaged National Landmark structure in Washington, DC
- **The St. James Episcopal Church**
Addition to the c. 1895 Sanctuary of a congregational gathering space and educational classrooms in Leesburg, VA.
- **The Colorado Building**
Restoration of and addition to the c. 1903 National Historic Landmark office building in Washington, DC
- **The Arlington Arts Center**
Restoration of, adaptive re-use and addition to the c. 1912 National Landmark Maury School, as an Arts Center and community meeting facility for Arlington County, VA.
- **The St. Anselm's Abbey School Gymnasium**
Renovation of, adaptive re-use and addition to the c. 1920 Gymnasium as a Chapel / Performing Arts Center for the School in Washington, DC
- **The Western Presbyterian Church**
Relocation / reconstruction of and addition to the c. 1920 Western Presbyterian Church in Washington, DC
- **The Blessed Sacrament Church Monastery**
Restoration of, adaptive re-use and addition to the c. 1922 Convent as academic space for the Blessed Sacrament School in Washington, DC
- **The Georgetown Visitation Preparatory School Gymnasium**
Renovation of, adaptive re-use and addition to the c. 1924 Gymnasium as a Chapel / Performing Arts Center for the School in Washington, DC



C: EXISTING BUILDINGS / HISTORIC PRESERVATION

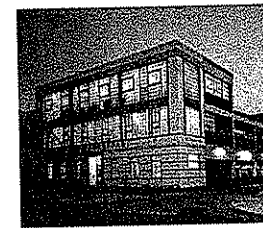
- **The Manhattan Laundry**

Restoration and adaptive re-use of the c. 1935 industrial laundry complex for use by a variety of office and retail tenants in Washington, DC



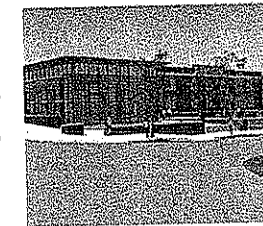
- **The Reed School**

Restoration of, adaptive re-use and addition to the c. 1938 elementary school as a Public Library and educational facility for Arlington, County VA.



- **The Cafritz Residence**

Restoration of, adaptive re-use and addition to the c. 1938 Cafritz Residence to house administrative and educational functions as the center piece of the new Field School campus in Washington, DC



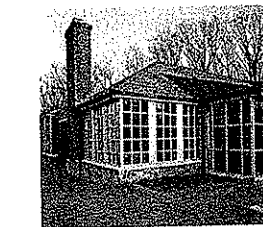
- **The Fairlington Elementary School**

Restoration and adaptive re-use of the c. 1944 elementary school building as a Community Center for Arlington County, VA.



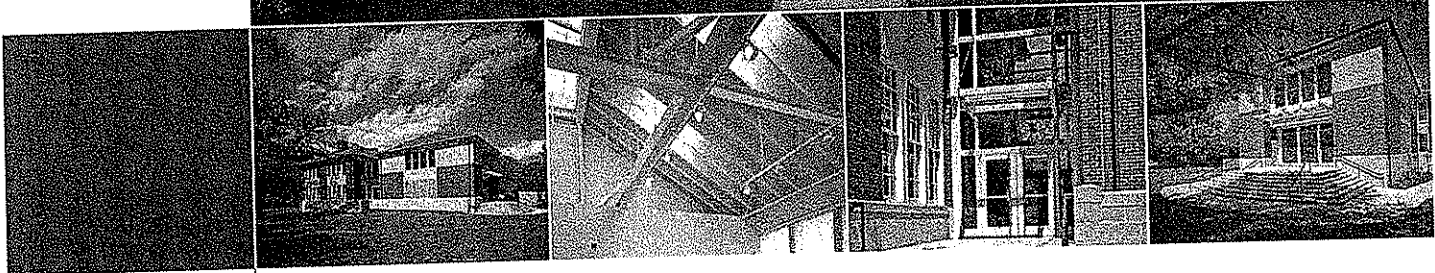
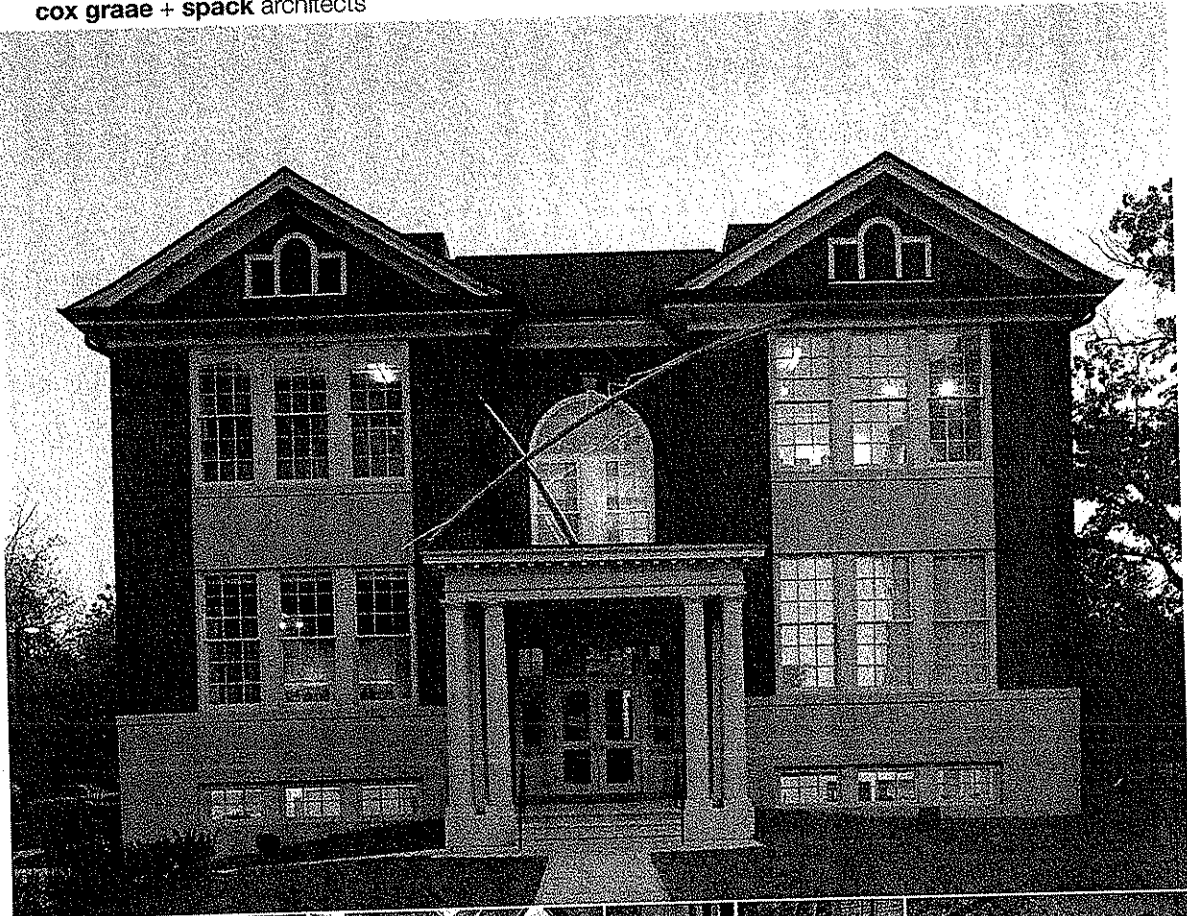
- **The Madeira School Student Center**

Renovation of, adaptive re-use and addition to the c. 1952 Student Center as the center piece of a student services building and dining facility in Mclean, VA.





cox graae + spack architects



Arlington Arts Center

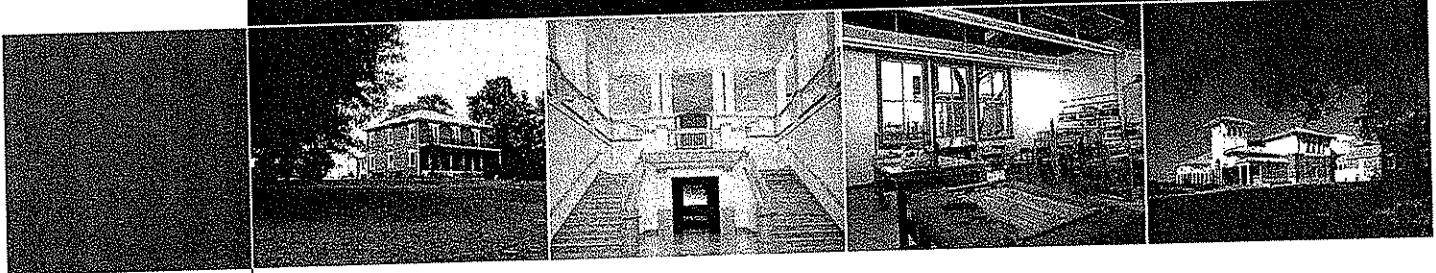
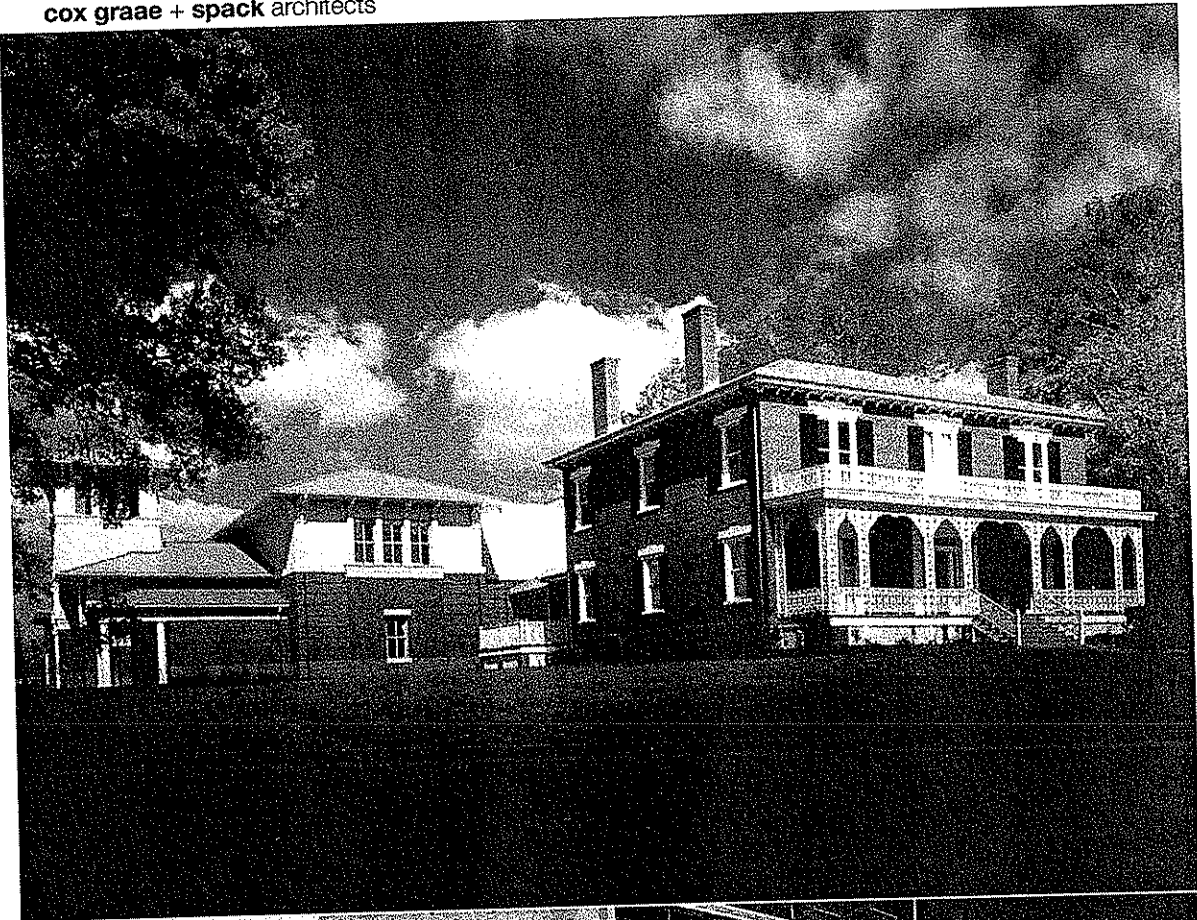
Arlington, VA

Project Description:

The ca. 1912 Maury School is the second-oldest academic building in Arlington County, Virginia, and is a local landmark structure listed on the National Register of Historic Places. Since the 1970s, the County has operated the building as a locally-oriented facility whose mission includes providing arts programs, student outreach activities, visiting artists' studios, and neighborhood programs and events. The new design focused on restoring the historic Maury School and the addition of new construction and site amenities that support the Art Center's mission. The exterior of the historic building was restored in accordance with Secretary of Interior Standards and includes the preservation of various building elements. The rear addition is designed to compliment the original historic architecture while clearly distinguishing itself as a contemporary alteration. Interior spaces include expanded

Galleries, Artist Studios, Administrative and Program/Classroom spaces, as well as flexible Community Meeting facilities. Outdoor program and gathering spaces are focused on the building's rear façade which doubles as a raised performance area.

client: Arlington County, Virginia
services: Architecture, Renovation and Restoration
completion: 2004
area: 7,000 sf new, 12,000 sf renovated



Lyndon House Arts Center
Athens, GA

Project Description:

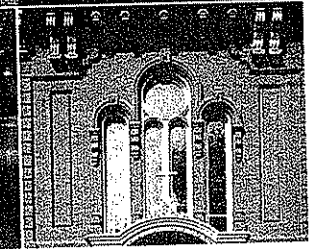
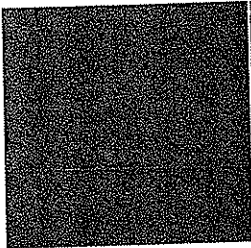
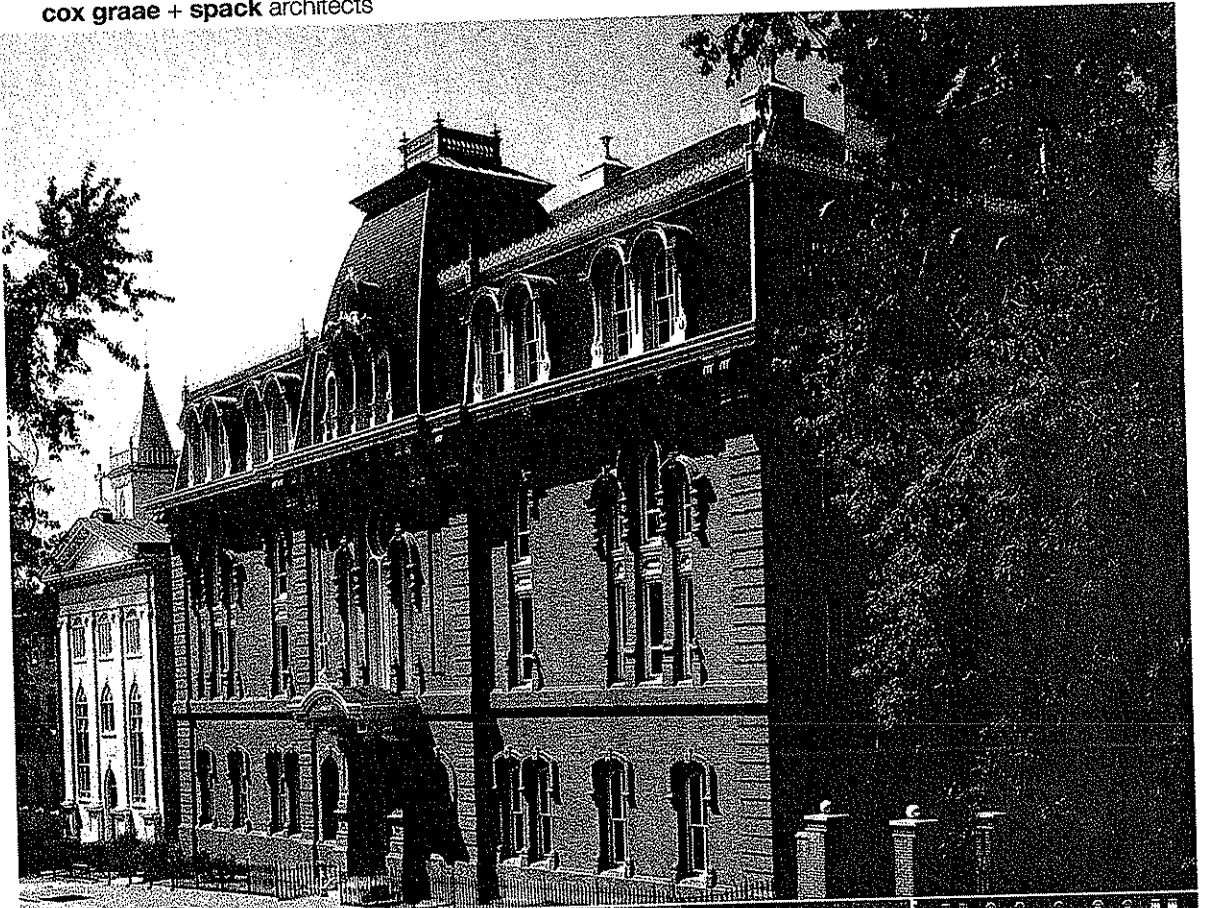
The ca. 1856 Ware-Lyndon House is a two-story late Greek Revival home with Italianate influence located on a knoll overlooking the city of Athens, Georgia. A local landmark, it is listed on the National Register of Historic Places by the U.S. Department of Interior. Built by a respected local physician, the house was purchased by the city in 1939 and housed various municipal functions until the 1974 creation of the Lyndon House Arts Center, Athens' first government-sponsored community arts program. In conjunction with construction of a large annex addition, the project restores the Ware-Lyndon House to depict the residential environment of a prominent Athens family during the mid to late Victorian period. The new Arts Center Annex houses a variety of community and arts functions including public meeting space, educational facilities and artist studios surrounding a skylit central atrium space oriented

towards views of the north Georgia mountains. Special exhibition spaces are designed to meet the security, lighting and HVAC criteria of the Smithsonian Traveling Exhibition program. Studio areas include space for various art disciplines—sculpture, painting, drawing, ceramics, jewelry, printmaking and photography—and a children's wing provides work space, display areas and a separate entrance for direct access to after-school programs and family workshops.

client: Lyndon House Arts Center Foundation
services: Architecture, Historic Preservation, Interior Architecture
completion: 1998
area: 40,000 sf



cox graae + spack architects



Georgetown Visitation Preparatory School - Founder's Hall
Washington, DC

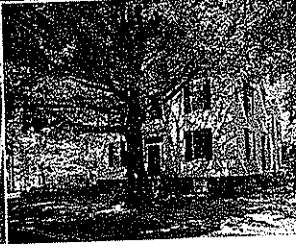
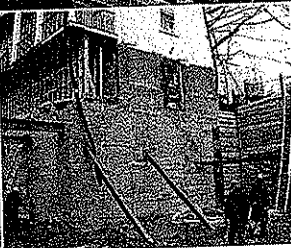
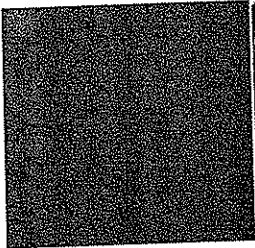
Project Description

Founded in 1799, this private secondary school is the oldest Catholic school for young women in America. In July 1993, the school suffered a devastating loss when fire virtually destroyed Founder's Hall, its most significant campus structure. Built in 1873, this five-story Victorian National Landmark has served continuously as the campus gateway and primary classroom structure. Within the salvaged exterior masonry walls, the building was entirely reconstructed, achieving a balance between historic preservation and reconstruction of the exterior envelope, replication of the first-floor reception parlors, and construction of modern new classrooms and administrative spaces on upper levels. The rebuilt Founder's Hall continues the School's link with its past as a modern and functional academic building within the restored historic façade.

client: Georgetown Visitation Preparatory School
services: Master Planning, Architecture, Historic Preservation, Interior Architecture
completion: 1995
area: 40,000 sf



cox graae + spack architects



Elliot House- Old Presbyterian Meeting House
Alexandria, VA

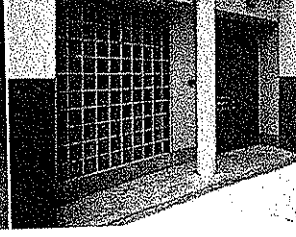
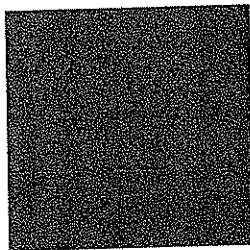
Project Description

The Old Presbyterian Meeting House acquired the ca. 1844 Elliot House, a significant building within Alexandria, Virginia's Historic District as a bequest from a former church congregant. The project meets the church's program needs by adding a new two-and-a-half story addition. New construction maintains the existing vacant corner site as a landscaped garden consistent with the adjacent Historic District and develops new architecture at a scale that is deferential to the original house's size and massing. A skylit meeting space is located below the garden court with an external staircase. The Elliot House is restored to reflect its original character, expressing the house's unique rear porch. Main level parlors are restored and used for public reception functions that compliment activities in the adjacent Old Presbyterian Meeting House worship space.

client: Old Presbyterian Meeting House
services: Architecture, Historic Preservation, Interior Architecture
completion: 2004
area: 9,310 sf



cox graae + spack architects



Manhattan Laundry
Washington, DC

Project Description

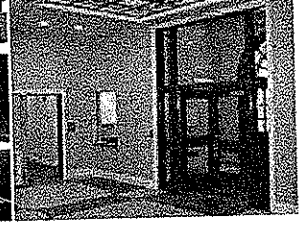
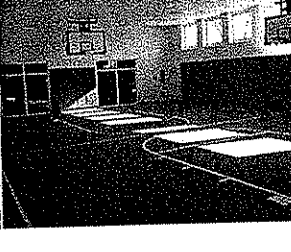
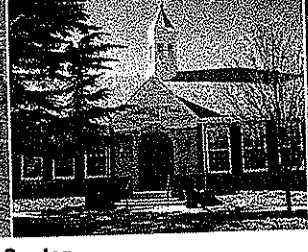
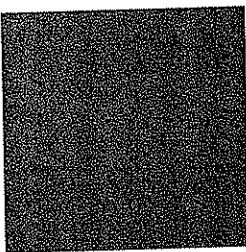
Once slated for demolition and identified in James Goode's Capital Losses - A Cultural History of Washington's Destroyed Buildings, the ca. 1935 Manhattan Laundry was revived to become a central component of Washington D.C.'s \$500 million Shaw Neighborhood Revitalization Project. The National Register-listed main office building - "Heavily ornamented in the art-deco manner" - is considered one of Washington's few outstanding examples of the art moderne style of architecture. By the mid 1980s, the building stood derelict and damaged from exposure and fire. The restoration project involved adaptively re-using the three-building former industrial laundry complex for a wide variety of office and retail tenants. Central to the project was restoration of the laundry office building's main façade, a unique composition

of banded, enameled metal cladding and water-lily panels above windows that float in a glowing two-story wall of "glass bricks." Similarly, unique features of the original architecture - industrial saw-toothed skylights and coiling overhead service bay doors - are carefully integrated into the new design. Other buildings in the complex include two restored factory-style structures that are adapted to create loft tenant space that is unique to the Washington area office/retail market.

client: Festival Development Center
completion: 1989
area: 80,000 sf



cox graae + spack architects



Fairlington Community Center Arlington, VA

Project Description:

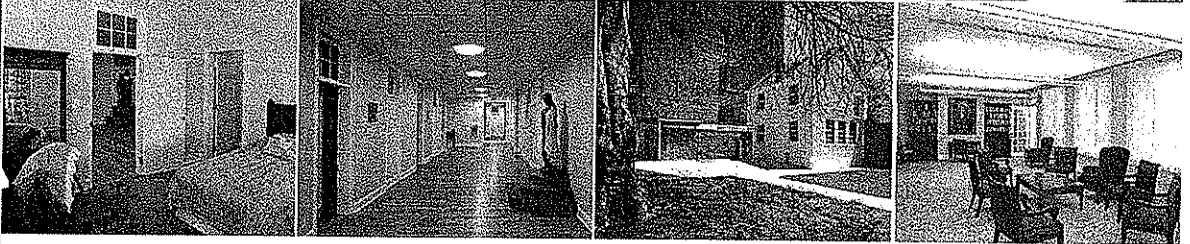
Fairlington, a residential community within Arlington County that was constructed with public funding near the end of World War II, is listed on the National Register of Historic Places as well as the Virginia Landmark Register. The ca. 1944 Community Center, formerly the Fairlington Elementary School, is a single-story, Colonial Revival-style structure that serves as the hub for a wide variety of community educational and social functions. The Fairlington Community Center design creates an energy-efficient, restored historic facility that better meets the programmatic needs of its varied users. The Program includes space for a Parents' Cooperative Playgroup, Fitness/Wellness programs, a Preschool, Visual Arts programs, Office/Support spaces, multi-purpose community rooms, a kitchen, and outdoor athletic and playground facilities. The project is designed to be consistent with LEED

Certification criteria with a focus on the application of sustainable design principles to an existing historic site and building.

client: Arlington County, Virginia
services: Programming, Architecture, Interior Architecture, Public Approvals
completion: Fall 2007
area: 36,000 sf
awards:



cox graae + spack architects



Georgetown Visitation Monastery
Washington, DC

Project Description

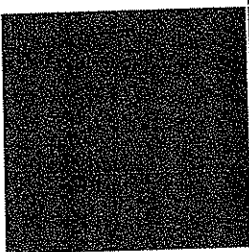
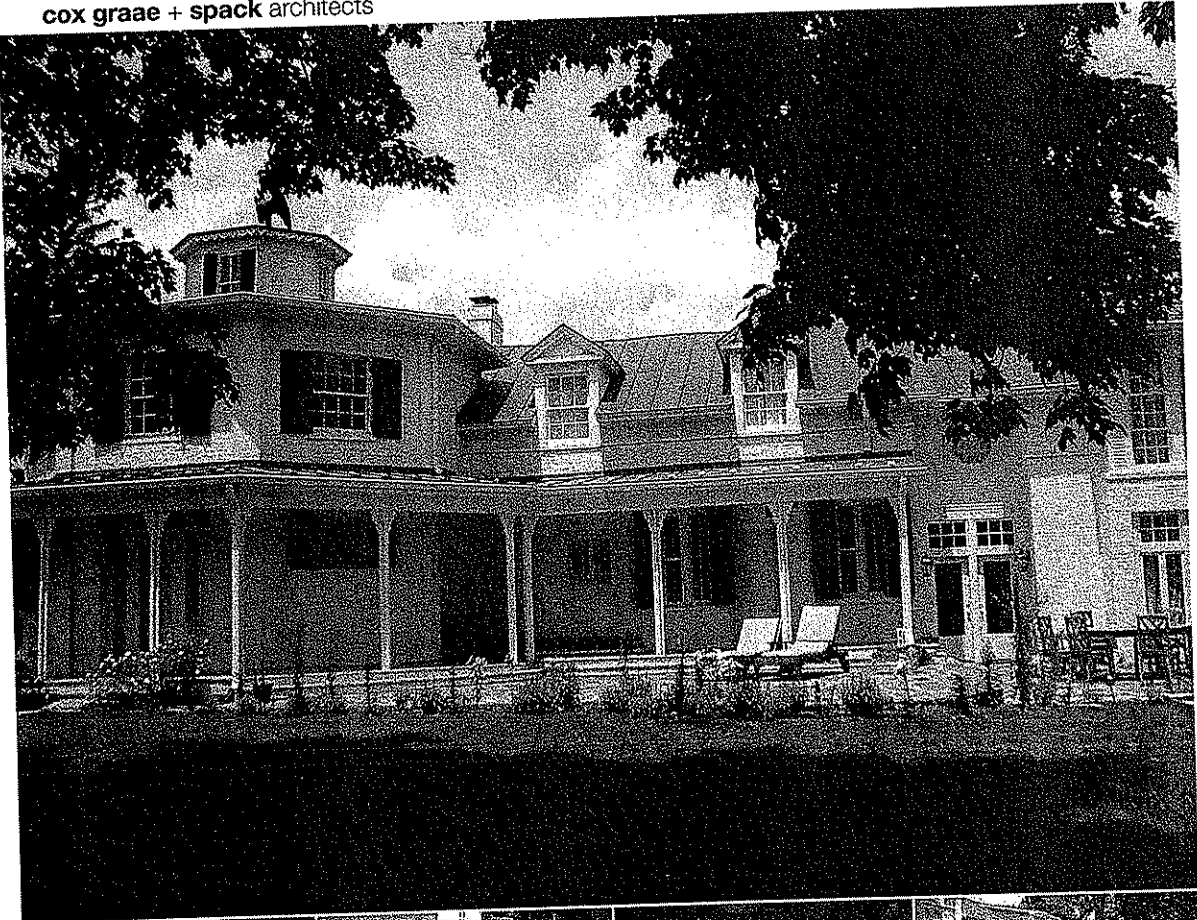
Founded in 1799 by three "Pious Ladies", the Order of the Visitation of Holy Mary—Georgetown Visitation—is dedicated to Christian principals, sound piety and the education of young women in the Catholic tradition. Portions of the current Monastery building date back to the early 1800's and the facility expanded and evolved to meet the needs of the growing spiritual community over the next century. In 2003, a Master Plan study explored options for upgrading the aging building to better meet the needs of the Monastery community. The subsequent renovation project included interior modifications that upgraded living facilities for Professed Sisters, Novitiate and Retreatants; including private bathrooms and spaces for social gathering and prayer. Monastery infirmary spaces were upgraded and communal spaces were improved to meet current needs. Building electrical, plumbing and

and fire protection systems were upgraded and central air-conditioning was integrated into the historic structure. The renovated Monastery reflects the sisters' continued commitment to the "little virtues" of gentleness, humility, kindness and cheerful optimism that have left a lasting mark on the culture and character of the Monastery and School.

client: The Order of the Visitation of Holy Mary
services: Architecture, Renovation, Interior Design
completion: 2007
area: 40,000 sf



cox graae + spack architects



Private Residence

Arlington, VA

Project Description:

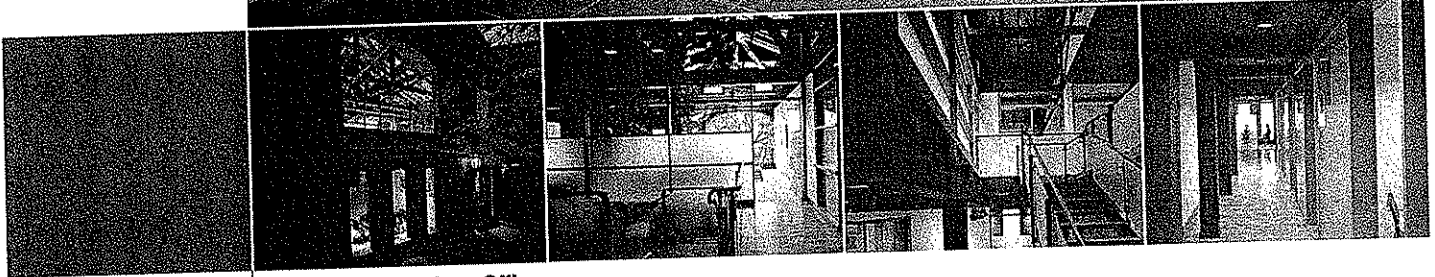
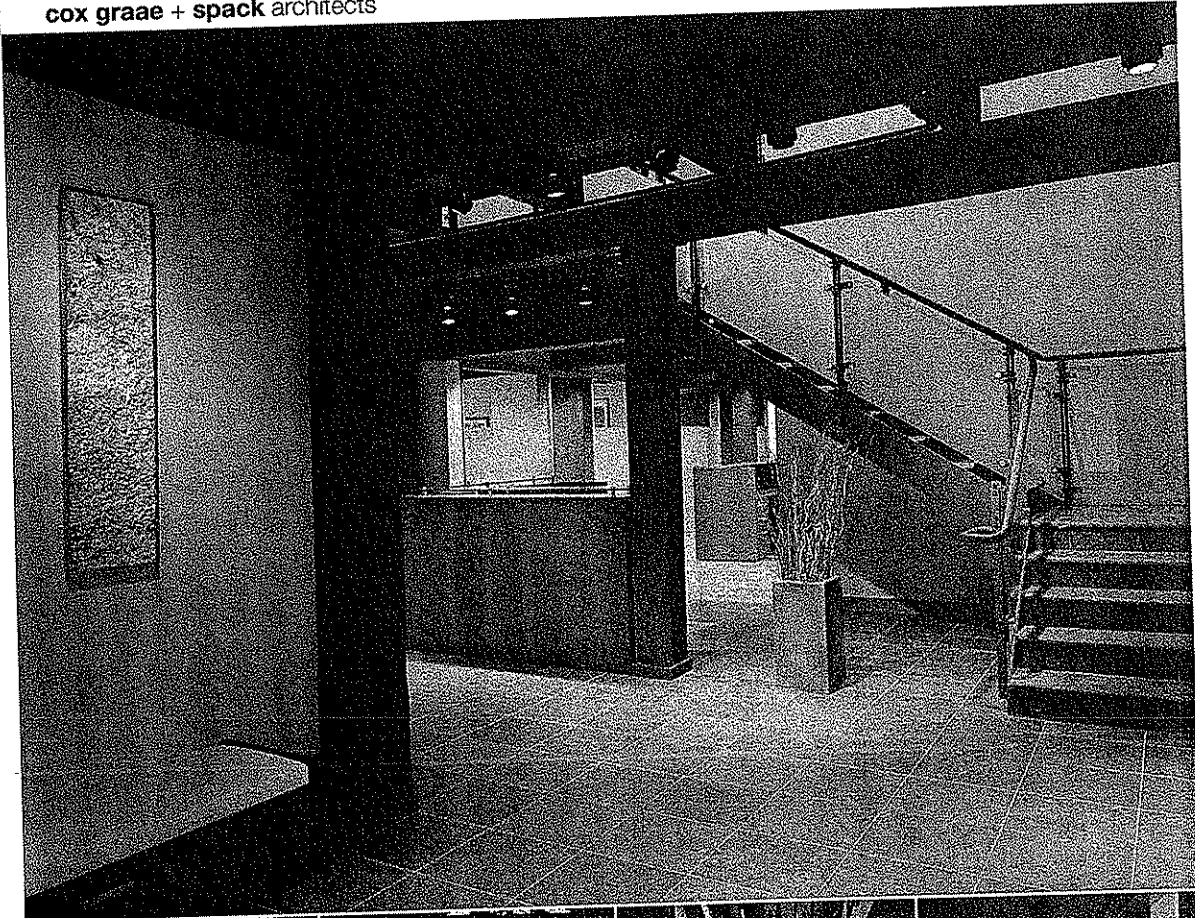
The Glebe House stands on a parcel of property that was originally part of a tract of 516 acres purchased in 1770 for the Glebe of Fairfax Parish. Fires 1808 and 1840 destroyed early structures on the site. In 1855, the distinctive octagonal main house was constructed to reflect the "rage" in residential architecture at the time. Through the years, numerous families, prominent in local and state history, have owned the Glebe House and it has remained relatively un-altered. The house was listed on the Virginia Historical Landmark Register in 1971 and on the National Register of Historic Places in 1972. The Ortman family purchased the house from the National Geological Society in 2004 and commissioned cox graae + spack architects to design modifications to accommodate their growing family. Alterations of the original historic residence include removal of a non-contributing addition, preservation of

the historic fabric and restoration of original architectural details. An addition, designed in accordance with the Secretary of the Interior guidelines sympathetically expands the house's usable area. All design efforts were coordinated with and approved by the Virginia State Historic Preservation Office and the local Historic Affairs and Landmark Review Board.

client: Private Residence
services: Schematic Design
completion:
area: sf



cox graae + spack architects



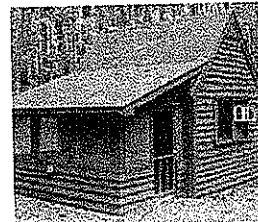
The Foundry Law Offices
Washington, DC

Project Description:

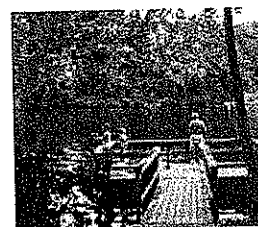
This Washington law office combines a contemporary interior within a landmark historic industrial building that had once been a circa 1850's metal foundry and Union Army musket factory in the heart of Georgetown on the C&O Canal. Modern materials and finishes including an etched glass and steel staircase, honed stone floors and plaster walls are inserted within the restored rough-textured old brick walls and heavy timber structure. Lighting is carefully designed to emphasize colors and surface materials and mechanical systems are integrated into the exposed wooden structure. The resulting workspace is a harmonious environment of deliberately contrasting elements that maximizes working comfort and efficiency, while preserving the architectural integrity of the historic structure.

client: Finkelstein Loughran Law Offices
services: Interior Architecture
completion: 2001
area: 34,000 sf new construction

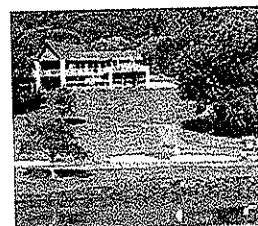
cox graae + spack architects is committed to providing a timely response to the Division of Natural Resources – Parks & Recreation Section and the Cacapon Resort State Park project. Our office is located just over 100 miles from the site allowing ready access and a timely response to issues that may arise in the field. Civil Engineering and site development issues will be addressed by Bowman Consulting Group, located in Martinsburg, West Virginia – approximately 26 miles from the project site.



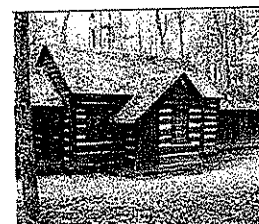
Cacapon Resort State Park, in Berkely Springs, West Virginia is located within Morgan County. The state-owned land is not technically subject to local zoning restrictions and requirements, but the project is of interest to Morgan County, and the project design will need to generally follow County requirements. The County will typically require a Site Plan submission in accordance with the current Morgan County Commercial and Industrial Improvement Location Permit Ordinance. Review will specifically target erosion and sediment controls, grading and drainage provisions, and stormwater management facilities.



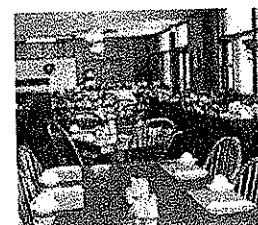
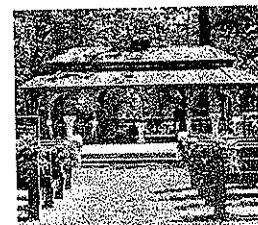
Morgan County generally uses the Maryland system for Stormwater Management requirements, and requires that facilities be provided to keep developed condition peak runoff rates at or below pre-developed condition (existing condition) peak runoff rates for the 2-year and 10-year, 24-hour rainfall events. The project site is ideal for construction of inexpensive and effective surface-type stormwater management facilities, which can be designed to be unobtrusive and attractive, and to fit in with the overall park and golf course character of the site.



County Site Plan approval will result in a County Improvement Location Permit. Construction work must begin within 12 months of the issued permit, or the process must be repeated. It is likely, however, that extensions can be granted by the County with a written request. In addition, because the work will be on state-owned land, and will involve wells, water treatment and waste water treatment, the plans must also be submitted to the West Virginia Department of Health and to the Department of Environmental Protection, Division of Water and Waste Management, for water treatment plant and NPDES permits.



The site design will be carefully coordinated with the existing park and golf course design, and will contain hardscape and landscape elements to fit seamlessly into the surrounding area. Effort will be to analyze existing soil conditions and develop effective methods to improve drainage for existing bunkers. A successful project must be compatible with, and further enhance, the Cacapon State Park Resort.



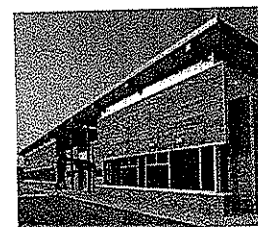
The proposed **cox graae + spack** architects design team takes a holistic view of sustainability. For us, sustainability is more than conserving natural resources or minimizing the building's ecological footprint. A truly sustainable project is one that effectively addresses several needs, goals and considerations related to the environment, associated costs as well as the community and cultural aspects of the design.



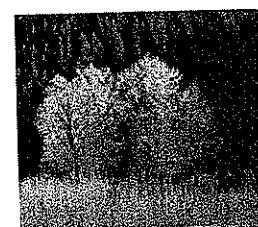
cox graae + spack architects has fully integrated sustainable / Green design into our routine practice. For clients committed to achieving formal U.S. Green Building Council LEED certification, **cox graae + spack** architects – with eight in-house LEED accredited professionals – has the experience to lead the effort to integrate technical requirements across all of the design disciplines. Through a thorough understanding of the pros and cons of the many options and choices, we work with our clients to develop a reasonable approach to achieving each project's specific level of LEED certification. Starting the process at the earliest stages of a project's development is critical to the success of reaching LEED certification efficiently. Doing so informs the initial development stage where fundamental decisions are made and provides the basis by which to move into subsequent phases in a structured and enlightened manner. Once the LEED baseline is established, all the necessary services follow though; design, specification, compliance tracking, documentation and the actual USGBC submission and certification. Currently **cox graae + spack** architects is pursuing LEED Gold certification for the George Washington Residence Hall project as well as Silver certification for Arlington County University School's Reed School/Westover Library and the McLean, Virginia Potomac School's Lower School Campus.



Bowman Consulting Group has a thorough understanding of LEED criteria for site design elements and has LEED certified staff. The firm is a member of the U.S. Green Building Council and has addressed LEED requirements for multiple projects with the design of stormwater management facilities as well as demolition and planting design, and has extensive experience with applicable local stormwater management regulations that currently meet and even exceed certain LEED criteria. The firm is actively engaged in several institutional and educational projects pursuing LEED Silver certification.



The Engineers at **Bansal Associates** utilize their extensive experience and industry knowledge to specify equipment and materials that are produced to be green friendly and sustainable. Distribution of utilities and occupancy comfort systems are evaluated for maximizing energy use and conservation while employing new materials and fuels developed to minimize any impact to the environment.

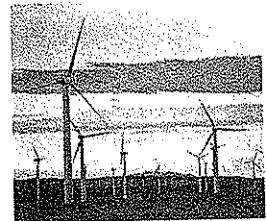


When faced with difficult budget constraints, many institutions choose to incorporate as many of the LEED certification materials and procedures as are feasible and easily accomplished without significantly impacting the project construction cost. This results

in a project that is consistent with their commitment to environmental stewardship but ultimately does not deliver a project that is formally LEED certified. This option recognizes the difficulty reconciling the LEED certification premium with the constraints of the project budget. Rather than sacrifice project scope, this methodology advocates working to incorporate the very positive aspects of the LEED program in a manner that is economically consistent with all the other project requirements. While not formal certification, this approach often meets the spirit of the client's sustainable design goals within the very serious constraints of the project budget.

The U.S. Department of Labor's Potomac Job Corp Center – a \$40 mil. Vocational Training Campus in Washington, DC – is a recent example of a **cox graae + spack** architects project where the client ultimately chose not to pursue formal LEED certification, but rather to include substantial sustainable design principles. Technical highlights of the project include :

- A geothermal heat pump system supported by over 230 closed loop wells for four major new buildings.
- A storm water management system that collects and routs rainwater through bio-filtration swales of indigenous plant material as well as low impact infiltration systems that naturally store and clean the water before it is released into the city storm water system.
- Maximum advantage of natural day lighting and ventilation, while providing appropriate sun shading devices, strategic roof overhangs, brise soleil fins, high performance frit screened glass and window coverings.
- Wall and roof sections with high insulation value and use of light colored roof coverings to reflect sun and reduce heat gain/heat island affects.
- Infra-red/motion sensors and daylight dimming lighting controls to reduce electric loads.
- Direct digital controls tied to central building management systems.
- Use of recycled and renewable materials, such as floor coverings and structural glu-lam beams.
- Specification of low VOC materials.
- Materials chosen for their ability to be both structural and finish materials, such as ground faced block, stained concrete floors and exposed structural acoustic roof decking, thereby reducing additional finishing materials, maintenance and first costs.
- Energy recovery HVAC systems.
- Water conservation sensors and plumbing fixtures.





WILLIAM SPACK, AIA



EDUCATION Bachelor of Architecture, University of Maryland-College Park, 1982

REGISTRATION District of Columbia, 1987

PROFESSIONAL AFFILIATIONS American Institute of Architects
Commissioner, Historic Affairs Landmark Review Board, Arlington, VA
AIA Design Committee
Washington Building Congress
Lambda Alpha International

CRITIC/LECTURER Guest Lecturer, DC Preservation League
Guest Lecturer, Arlington Heritage Alliance
Visiting Design Critic, University of Maryland – College Park
Juror, Excellence in Design Awards, Falls Church, VA
Juror, Historic Preservation Design Awards, Arlington, VA

PROFESSIONAL EXPERIENCE William Spack is a founding partner of **cox graae + spack** architects and has been with the firm (formerly KressCox Associates) since 1986. He has over 25 years of experience that includes local and national award-winning architectural design. Mr. Spack is well versed in project management with particular emphasis on historic preservation, adaptive reuse and new construction sensitively integrated into an existing historic context and has completed several certified rehabilitation projects designed in accordance with the Secretary of Interior's Standard for the Rehabilitation of Historic Structures. His portfolio of building types includes several office, retail, residential, religious, civic design and urban planning, as well as extensive experience with K-12 educational facilities: academic, athletic, performing/visual arts and campus master planning. In addition to Mr. Spack's professional and civic affiliations listed above, he has also donated his time and talents to a wide variety of volunteer efforts for the Arlington County School System and the Catholic Diocese of Arlington.

PROJECT EXPERIENCE Georgetown Preparatory School, Student Learning Center, Bethesda, MD
Grace Episcopal Day School, Kensington, MD
Georgetown Visitation Preparatory School, Founder's Hall, Washington, DC
Georgetown Visitation Preparatory School, Performing Arts Center, Washington, DC
Georgetown Visitation Preparatory School, Physical Education Center, Washington, DC
The Field School, Washington, DC
The Madeira School, Student Center/Dining Hall, McLean, VA
The Maderia School, Schoolhouse II, McLean, VA
The Langley School, Performing Arts Center, McLean, VA
The Potomac School, Performing Arts Center, McLean, VA
St. Anslem's Abbey School, Performing Arts Center, Washington, DC
St. Anslem's Abbey School, Physical Education Center, Washington, DC
St. Stephen's/St. Agnes School, Performing Arts Center, Alexandria, VA
Maret School, Washington, DC
Washington International School, Washington, DC
Capitol Hill Day School, Washington, DC
Reed School and Westover Library, Arlington, VA



WILLIAM SPACK, AIA



The Dahlgren Elementary School, Dahlgren, VA
Western Presbyterian Church, Washington, DC
Old Presbyterian Meeting House, Elliot House, Alexandria, VA
Georgetown Visitation Monastery, Washington, DC
Church of the Atonement, Wheaton, MD
The Phillips Collection, Washington, DC



F. THOMPSON WHEELER, AIA



- EDUCATION** Bachelor of Arts, Summa Cum Laude, University of Maryland at College Park, 1988
Master of Architecture, Thesis Design Award, University of Maryland at College Park, 1991
- REGISTRATION** District of Columbia, 1995
- PROFESSIONAL AFFILIATIONS** American Institute of Architects
BCOM- Certified
- PROFESSIONAL EXPERIENCE** Mr. Wheeler has over 15 years of architectural and interior design experience that encompasses new construction as well as renovations. As Associate Principal, he has particular expertise in guiding a project from programming and space planning through design, detailing and construction while demonstrating total quality management.
- PROJECT EXPERIENCE** Washington International School, Washington, DC
Reed School and Westover Library, Arlington, VA
Georgetown Visitation Preparatory School Physical Education Center, Washington, DC
Georgetown Visitation Preparatory School Performing Arts Center, Washington, DC
The Langley School Performing Arts Center, McLean, VA
The Potomac School Performing Arts Center, McLean, VA
Maret School Campus Expansion, Washington, DC
The Field School Campus Expansion, Washington, DC
Arlington Arts Center, Maury School, Arlington, VA
The Lyndon House Arts Center, Athens, GA
Bowne of Washington, Washington, DC
Wagner Residence, Chevy Chase, MD
Wagner Residence, Traverse City, MI
Weachter Residence, Silver Spring, MD
Morgan-Borders Residence, Bethesda, MD



EDWARD R. FOLEY, LEED® AP



EDUCATION	Bachelor of Arts, Sociology and Anthropology, Carleton College, 1988 Architecture and Urban Design Programme, Oxford University, 1994 Master of Architecture, University of Wisconsin, 1993 Master of Urban Planning, University of Wisconsin, 1995
PROFESSIONAL AFFILIATIONS	American Institute of Architects- Associate Member LEED Accredited Professional Washington Architectural Foundation National Trust for Historic Preservation
PROFESSIONAL EXPERIENCE	Mr. Foley has over 13 years of experience in the architectural design and planning fields. He experience includes a wide range of projects: historic preservation, site and master planning, adaptive re-use, new construction, construction administration, project management, neighborhood planning and space planning. Mr. Foley also has extensive experience giving presentations to review and approval boards as well as community groups.
PROJECT EXPERIENCE	Arlington Arts Center, Arlington, VA Farlington Community Center, Arlington, VA The Phillips Collection, Center for the Study of Modern Art, Washington, DC Rutherford Residence, Washington, DC Gonzaga College High School, Washington, DC St. Anselm's Abbey School, Physical Education Center, Washington, DC St. Anselm's Abbey School, Performing Arts Center, Washington, DC The Langley School, Performing Arts Center, McLean, VA The Potomac School, Performing Arts Center, McLean, VA

As Principal in Charge of Business Development, Ms. Blair leads the firm's marketing effort, is in charge of contract negotiations, and is active in the Master Planning Process.

In addition to working with Developer Clients to assess project needs, Linda has built a reputation in the club industry for assisting private member-owned clubs with the Master Planning Process through Membership Presentation. Her philosophy is simple, and specific to the market — "approach every project with a fresh perspective, and do not underestimate the importance of Member communication." With her marketing skills, Blair offers a range of expertise from conducting focus groups through orchestrating the Membership meetings.

With the negotiation of contracts, Linda assists clients with accurate budget forecasting, and interfaces with the design team through project phases to monitor budget control. Blair's focus on the business aspects of a design firm, coupled with her partners' emphasis on design, is the basis for a strong and successful company.

Education:

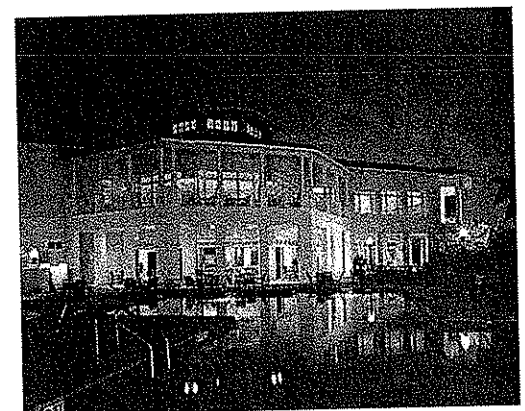
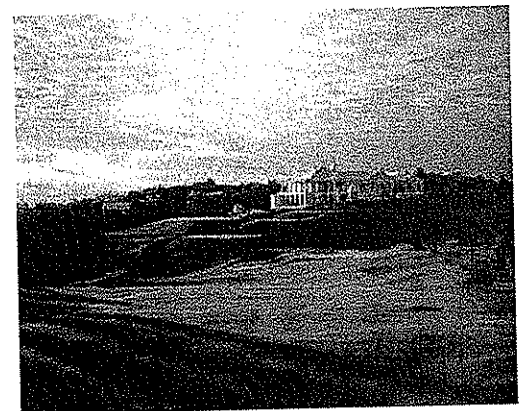
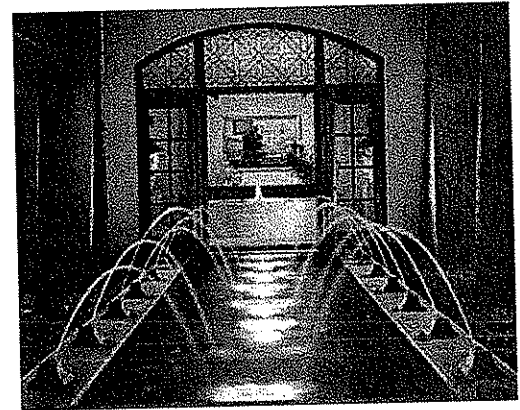
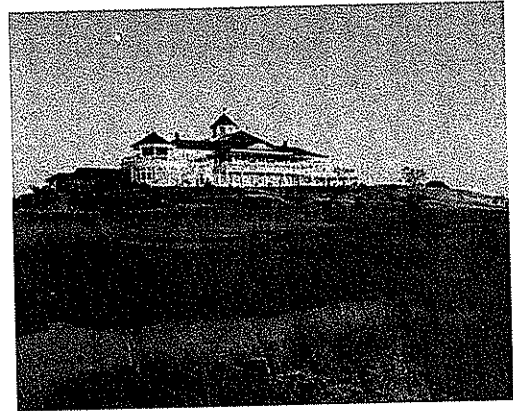
Georgia State University

Affiliations:

Network of Women in Hospitality

Speaking and Recognition:

Numerous presentations to National and Regional CMAA Seminars, Florida State University Hospitality Masters Program, Savannah College of Art & Design, Atlanta Chapter ASHD Leadership Programs



**MICHAEL P.
POINTER, A.S.L.A.**

Principal-in-Charge

Mr. Pointer brings over 22 years of planning and civil engineering experience in all aspects of land development with numerous commercial, residential and municipal projects in Loudoun County, Fairfax County, Prince William County Virginia, Frederick County, Warren County, Shenandoah County and numerous towns throughout Virginia.

He is responsible for concept development planning for rezoning applications and special use permits, and master plans through detailed subdivision site planning and construction plans and profiles. As Branch Manager for the Winchester office, he oversees planning, engineering, and surveying services in the City of Winchester, Clarke and Frederick Counties, Virginia and points west.

PROFESSIONAL EDUCATION

Bachelor of Science, Landscape Architecture,
West Virginia University, 1986

PROFESSIONAL REGISTRATION

Certified Landscape Architect, Virginia

**PROFESSIONAL AFFILIATIONS/
ACTIVITIES**

American Society of Landscape Architects
(ASLA)

REPRESENTATIVE PROJECTS**JEFFERSON MEMORIAL HOSPITAL, JEFFERSON COUNTY, WV**

Principal-in-Charge of annexation, rezoning, and schematic plans for the future site of this new hospital facility. To date, an ALTA survey and topographic mapping with GPS controls have been preformed. In addition preliminary grading and drainage plans, preliminary water and sewer plans, preliminary stormwater management plans and infrastructure planning for access to the hospital site have been completed.

CITY HOSPITAL OF MARTINSBURG, MARTINSBURG, WV

Principal-in-Charge contracted with the West Virginia University Hospitals-East (WVUH-E) to assess alternative access points to the existing facility including possible improvements to Dry Run Road, the main access road to the hospital. Services included topographic mapping, utility locating, hospital expansion planning, and campus master planning.

LIBERTY RUN, BERKELEY COUNTY, WV

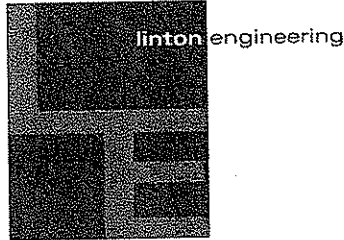
Principal-in-Charge for this expansive 3410-lot community, including detached and attached homes. Services provided included the preparation of a separate site plan for a required pump station for the site. Plan consisted of over 2-miles of force main and was processed through Berkeley County Public Service Sewer District and then through the State's Health and Human Resources Department.

BERKELEY BUSINESS CENTER, BERKELEY COUNTY, WV

Served as Principal-in-Charge for this redevelopment project. Project consisted of transforming existing 400,000 sq. ft. building warehouse truck center.

WINCHESTER GREEN CIRCLE, CITY OF WINCHESTER, VA

Principal-in-Charge for the development of the Winchester Green Circle Project, a walking and biking trail following Town Run and Abrams Creek, encircling the City of Winchester. The project provides safe bike and pedestrian facilities for the entire community. Bowman Consulting assisted in the development and implementation of two bio-retention facilities, including an innovative rain garden, to reduce stormwater run-off on the site. The facilities when complete will be the first ever installed in the City. Services for the rain garden include performing a topographical survey to establish the location of exiting trees throughout the site and to establish a site for the facility.



CURRICULUM VITAE

David E. Linton, P.E.

PRINCIPAL FIELD:

Structural Engineering

PROFESSIONAL AFFILIATIONS:

National Concrete Masonry Association
American Institute of Steel Construction
National Council of Examiners for Engineering and Surveying
American Institute of Timber Construction

EDUCATION:

BS Civil Engineering
University of Maryland
College Park, Maryland

PROFESSIONAL REGISTRATIONS:

Professional Engineer:
California, Florida, Maryland, Arkansas
Pennsylvania, South Carolina, Tennessee
Virginia, District of Columbia, New York,
West Virginia, Delaware

WORK EXPERIENCE:

**11/2003 - Present
Principal**

Linton Engineering, LLC.

Vienna, VA

Representative Project Experience:

The Bullis School Stadium, Potomac, MD

A structural site investigation, structural analysis and construction documents were prepared for the evaluation and reconstruction of the existing stadium grandstand. The existing severely corroded and spalling concrete structure was removed and replaced with a new steel framed structure. The existing precast concrete double tees used for the seating were removed, repaired and re-erected onto the steel frames. An elevated press box, concessions, locker rooms and storage rooms were also added. The total construction cost was \$1.2 million.

Fairlington Community Center, Arlington, VA

Structural engineering services were provided for the renovation of an existing 60,000 SF building. The work included the addition of a new theatre, a basketball court, mechanical upgrades requiring the support of new RTU, new exterior stairs with suspended canopies off of the existing façade. The total construction cost was \$ 3.5 million.

National Community Church – Conference Center and Coffee Shop – Washington, DC

Structural design services were provided for the conversion of an existing historic building to a new conference center/coffee shop. The existing brick façade was stabilized and retained. The existing floor were removed and replaced with new engineered wood framing. The lower level floor level of the building required the underpinning of the existing historic façade and the adjacent row house. The total construction cost was \$1.2 million.

Reed/Westover Building, Arlington, VA

Structural design services were provided for a mixed use office and community center with a linked public library. A portion of the roof was designed for a future 2nd floor. The adaptive reuse of a circa 1930 historic school building was incorporated into the program. The total new area was 60,000 GSF and the estimated construction cost is \$ 15 million.

Roland Park County School – Athletic Center, Baltimore, MD

Structural design services were provided for a new 55,000 GSF three level building having a triple gymnasium, fitness rooms, locker rooms, training rooms, and a multi-purpose teaching room. The total construction cost was at \$15 million.

St. John's Catholic Preparatory School

Buckeystown, MD

Structural design services are being provided for a new 2 ½ -level, 95,000 GSF, upper school having a total construction cost of \$20 million. Programmed spaces included a double gym with retractable bleachers, a black box theatre, locker rooms, a weight room, a dance studio, a chapel, classroom spaces, and administrative spaces. A suspended bridge was designed to connect the academic wing of the building to the multi-purpose spaces.

Washington International School, Washington, DC

Provided structural design services for a \$6.5 million, 28,000 GSF three level addition linked to an existing building. The design required a 76-foot clear span over a lower level auditorium with a library above. A 20-foot deep story height was designed for the lowest floor level of the building. A steel girder truss a full story in height was used to provide a large column free space in the library and assembly rooms. The new lower floor level required underpinning of the existing building footings.

The Heights School, Potomac, MD

Structural design services were provided for a new three level, \$10.6 million, 37,000 GSF academic building linked to an existing adjacent building. The new building will contain classrooms, administrative offices, common spaces, a fitness center, meeting rooms and a 250-seat chapel. The lowest floor level required underpinning of the existing building columns and footings. A composite open web Hambro floor joist system with load bearing masonry was used for the typical floor construction.

Fairview Shopping Center, Manassas, VA

Provided structural design services for a new 30,000 SF strip shopping center with a 5,000 SF mezzanine. Façade system consisting of arched masonry openings set forward of the main structure. Roof top

Name: Ved P. Bansal, P.E.
Title: President/Founder
Registration: P.E., Mechanical, 1971
Virginia, West Virginia, Maryland, D.C.
Project Assignment: Lead Mechanical

Engineer
Education: Howard University, Bachelor of
Science, Mechanical Engineering, 1962

Years Experience: 44

Mr. Bansal has over 40 years of experience in the management of mechanical and electrical engineering projects. His experience includes:

Board of Child Care School, New Campus Design, Falling Waters, West Virginia: Responsible for the mechanical engineering required for this 13-building campus, situated on a 40 acre site. The campus includes a School and Gym, Outdoor Pool, Administration Building, Chapel, Clinic, Dining Facility, Cottages, Residences, and a Maintenance Building.

Ingleside at Rock Creek, Washington, DC: Responsible for the mechanical engineering required to add 150,000 SF including over 100 new units of independent living in an apartment-like configuration. Resident services such as dining, housekeeping, security and life care were complemented by special amenities, such as underground parking and an indoor pool.

Westminster at Lake Ridge, Lake Ridge, Virginia: Responsible for the mechanical engineering required for this \$6 million project that added 60,000 SF of new living space to an existing facility. Westminster is a retirement community located on 62 acres with tall trees and two beautiful lakes.

Laguna Vista Condominium, Ocean City, Maryland: Responsible for the mechanical engineering required for this \$4 million Laguna Vista project housing 41 condominium units with an indoor pool.

Penderbrook Community Center, Fairfax, Virginia: Responsible for the mechanical engineering required for a new 10,000 sq ft facility including showers, restrooms, sauna, weight room, and aerobic workout areas.

King Greenleaf Recreation Center, Washington, DC: Responsible for the mechanical engineering required for this new 16,000 SF, \$4 million recreation center. The facility houses an indoor basketball court with seating for 200, shower, locker rooms, game and fitness rooms.
Resume of Ved P. Bansal, P.E. (Continued)

Gallery Place Restaurant, Gallery Place, Washington, DC: Responsible for the mechanical engineering required for this new \$12 million flagship facility opened in November 2005. This two-story restaurant seats 530 people served from a 3700 SF kitchen.

Old Ebbitt Grill, 675 15th Street, NW, Washington, DC: Responsible for the mechanical engineering required for a 3000 SF kitchen expansion and the replacement of an inadequate HVAC system for the dining room and oyster bar, a combined area comprising 10,000 SF.

1789 Restaurant, 1226 36th Street, Washington, DC: Responsible for the mechanical engineering required to renovate the kitchen and main dining room facilities at this 4,000 SF restaurant.

GORDON JACOBS

Principal Consultant



POLYSONICS

Acoustics & Technology Consulting

Experience and Education

20 Years: AD, Audio Engineering, Virginia Technical Institute, 1987

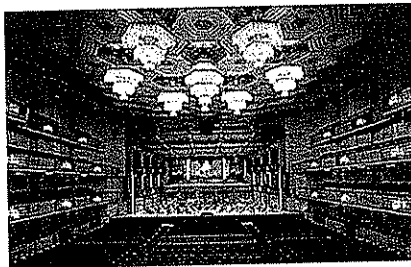
Affiliations

Audio Engineering Society, National Systems Contractors Association, Synergetic Audio Concepts, Acoustical Society of America

Qualifications

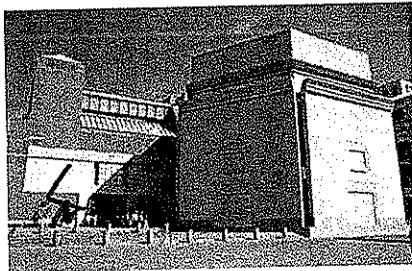
Gordon Jacobs is the President of Polysonics Corp. He joined the firm with 16 years of prior experience with other firms. His disciplines of expertise include interior acoustical design and acoustical computer modeling, audiovisual system design and integration.

Representative Projects



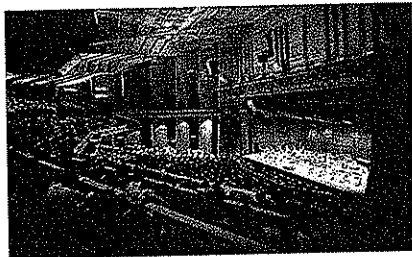
John F. Kennedy Center Concert Hall and Millennium Stage; Washington, DC

Designed, commissioned and project managed the integration of all performance sound systems in the world renowned main Concert Hall and the Millennium Stage performance venue which hosts a wide variety of performances 365 days per year.



United States Holocaust Memorial Museum; Washington, DC

Provided design, integration and project management services for the installation of all audio and video projection systems. Project also included a recording facility, film projection systems and the integration of audiovisual support systems for two seminar/presentation rooms



Wolf Trap Farm Park for the Performing Arts, Filene Center II; Vienna, VA

Provided complete systems renovation design for the sound reinforcement system, audio distribution, processing and control. Facility includes 6700 seats and features a 70' x 35' proscenium opening to a 118' x 65' stage. Sound systems comprised of advanced line array loudspeakers and discreet audio mixing for covered and lawn seating areas.

MCI Arena, Fedex Field, Comcast Center, RBC Center Arena

Provided comprehensive design and project management services that included acoustical noise and reverberation analysis, interior acoustical evaluations and the design of all sound reinforcement systems and broadcast infrastructure/pre-cabling designs.

Combining the Art and the Science of Light



Mark Ketteran became intrigued by light and lighting in his teens. He spent 15 years creating light for the theatre. In 2001 he entered the world of residential and commercial lighting. Since then, he has been combining the art of theatre with the science of light to create environments for his clients.

Mark's success comes from an understanding of the art, science, and personal relationships that go into great lighting design.

He specializes in working with clients, architects and designers to help create their vision. Mark is known for his sincere and insightful questions which get to the heart of the true purpose of a design. This allows him to develop a

finished product that reflects the vision of the client, not just a series of lights hung for great illumination.

His work can be found in his client's homes, the streets of Kensington, Maryland, Saint Matthew's Cathedral, as well as numerous private and public plazas, buildings and offices.

Mark received a BA in Theatre from Grinnell College and an MFA in Theatrical Lighting Design from Brandeis University. He is a member of IESNA and has won several joint awards for his work on Saint Matthew's Cathedral.

He lives and works out of a 100 year old farmhouse in Mount Airy, Maryland with his wife Amy, daughter Mara, and the ever faithful studio dog, Sasha.

Learn more at www.MSKLighting.com

Kevin McElyea, PE

Professional Engineer

Owner of Firm & Lead Designer

Lead Aquatic Planner & Designer

Education

B.S. Civil Engineering, 1987

Tennessee Technological University

MBA, 1991

East Tennessee State University

Registrations

Professional Engineer

Texas

Tennessee

Oklahoma

Florida

Missouri

Iowa

Kansas

Nebraska

Illinois

Colorado

Arkansas

Virginia

Georgia

North Carolina

New Mexico

Maryland

Alabama

Can license in any state as needed.

Certified Pool Operator Instructor

National

Background

Mr. McElyea serves as our chief aquatic design engineer and facility planner. He has practiced aquatic engineering and planning since receiving his design degree in 1987. Throughout his career, he has been lead designer and project manager for aquatic projects throughout the country. Because of Kevin's extensive experience in aquatic facility planning, design, operations and his formal training in business management, he is able to design aquatic facilities that match client needs and financial performance expectations perfectly.

Kevin is best known in the Aquatic Design Industry for his creative approach to every project. He not only draws from his vast experiences with past design projects, but also seeks innovative and creative ways to build new elements into projects to uniquely satisfy client needs. Commercial, municipal, university and military clients have all benefited from innovations that he has designed to make their aquatic facilities successful.

Recent Project Experience

Salina Aquatic Park, Salina, Kansas

Mr. McElyea is currently leading design of the new aquatic facility that will serve Salina and the surrounding region. This facility will be one of the best municipal water parks in the United States. The facility has a budget of \$12.5 million and will include lazy rivers, wave pool, a surf-in-place feature, premiere slide complexes, themed water play units along with many new innovative water park features. The facility is being designed to not only provide the citizens of Salina with a state of the art facility, but also as an economic development engine to bolster the local economy.

Virginia Tech / Christiansburg Aquatic Center, Christiansburg, Virginia

Aquatic Design Consultants, Inc. recently designed the new aquatic center that, once constructed, will be jointly used by Virginia Tech and the Town of Christiansburg, Virginia. This center will be complete with an indoor competition facility to rival anything else in the world as well as indoor leisure and therapy pools for recreation and warm water activities. The competition pool will cater to 50 meter, 25 meter, and 25 yard course events. It will also contain 10, 7.5, 5, 3, and 1 meter diving platforms for international diving competitions.

Aquatic Design

Consultants, Inc.

www.WaterParkTeam.com

Aquatic Design Consultants, Inc., 33400 Cold Water Rd. Louisburg, KS 66053
 913-837-3012, 888-741-2100 fax

Recent Project Experience

Naval Air Station, Pensacola, Florida

Kevin was the professional engineer in charge of planning, design, and construction administration of the Aviation Rescue Swimmer School. The core element of the facility is a 45 meter by 25 meter pool with varied depths and a movable bridge over the center of the pool. Waves are generated to simulate deep ocean conditions, and simulators create helicopter rescue conditions for students. Movable parachute rigs allow practice of parachute rescue conditions. This facility is used to train pilot and rescue personnel the critical techniques needed for successful open seas rescue of downed aviators in all weather conditions. This project required design and development of systems that had previously never been attempted. This facility has no equal in its ability to train personnel for this vital mission of the greatest Navy in the world.

Six Flags New England, Agawam, Massachusetts

Kevin designed all of the hydraulic propellant systems for a new, one of a kind, water coaster ride at Six Flags New England. The new water coaster ride, called The Typhoon, is an extreme rafting experience. Water Park Patrons board a 3-person raft that is propelled by water and conveyer belts. The riders blast through high bank turns, tunnels and uphill climbs at racing speeds.

Monsoon Lagoon Waterpark, Port Clinton, Ohio

Kevin is currently leading the master planning and design efforts for this state-of-the-art waterpark facility expansion. The planned expansion contains over \$30 million worth of improvements including water rides and slides that have never been constructed before. Once all of the planned improvements are constructed, Monsoon Lagoon will be one of the best waterpark facilities in the world.

Republic Aquatic Center, Republic, Missouri

Kevin was the professional engineer in charge of planning, design, and construction administration of this one of a kind municipal aquatic facility. This facility is the premiere municipal water park within the region and features a state-of-the-art surfing water ride that attracts visitors to the facility from a 200 mile radius. One of the objectives for this project was that the facility operate without a continued subsidy from the City budget. The facility opened in June 2005 and is exceeding all expectations while continuing to operate in the black financially.



Next Step Design
FOODSERVICE CONSULTANTS

The Next Step Design project team is staffed by seasoned food service design professionals with a great deal of experience with Country Clubs, and Russell was a Sous Chef at the Chevy Chase County Club prior to becoming a foodservice consultant.

Please find below a list of references and previous projects.

REFERENCES:

Joachim Buchner, Executive Chef
Chevy Chase Country Club
6100 Connecticut Avenue
Chevy Chase, MD 20815
(301) 652-4100
chef@chevychaseclub.org

James Troppman, General Manger
Columbia Country Club
7900 Connecticut Avenue
Chevy Chase, MD 20815
(301) 951-5010
jtroppman@columbiacc.org

John Spidalette, General Manger
University Club
76 East Monroe
Chicago, IL 60603
(312) 726-2840 ext. 732
spidalette@ucco.com

Patrick O'Connell, Chef/Owner
The Inn at Little Washington
448 Main Street, P.O. Box 300
Washington, VA 22747
(540) 675-3800 Ext. 235
patrickattheinn@yahoo.com

Robert H. Kinkead Jr., Chef/Owner
Robert Kinkead Restaurants
Colvin Run, Tyson's Corner, VA
Kinkead's, Washington, DC
Sibling Rivalry, Boston, MA
2000 Pennsylvania Avenue, NW
Washington, DC 20006
(202) 296-6050
chef@kinkead.com

PREVIOUS EXPERIENCE:

Argyle Country Club, Silver Spring, MD
Capitol Hill Club, Washington, DC
Congressional Country Club, Potomac, MD
National Press Club, Washington, DC
Longwood Gardens, Kennet Square, PA
Philadelphia Museum of Art, Van Gogh Café, Philadelphia, PA



Our Team:

J. Russell LeBow Stilwell

Principle Consultant (CAD)

As principle, Russell is personally involved in the design of each component of the facility. His background as a Chef provides him with a unique perspective and his experience and reputation for creative design and attention to detail will ensure a quality outcome.

Eric G. McConnell

Senior Project Manager (CAD)

Eric has over twenty-six (26) years experience in foodservice project management, including being the Owner of an Installation Company. He knows the importance of a properly engineered project and the ramifications of change order costs of a poorly executed set of foodservice documents. He has managed many large scale projects including: Charlestown Race and Slots, Rum Jungle, English is Italian, Phillips at the Pier at Caesar's, Byrd Stadium, Verizon Center, and Comcast Arena in College Park Maryland.

Joseph R. Santos

Senior Project Manager (CAD)

Joe has almost thirty (30) years experience in the foodservice and equipment industry. He has extensive ACAD design experience and equipment sales experience. He knows the importance of a detailed and comprehensive set of equipment specifications and is committed to attention to detail and teaching our younger associates. Projects include: Jubilation Casino in Biloxi, Newseum in Washington, HBO, and Marriott Resort in Aruba.

Lori L. Love

Assistant Project Manger

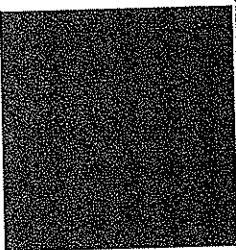
Lori has four (4) years experience in the foodservice industry and three (3) years experience in the General Contractor industry. Having come from a foodservice dealer background she continues to demonstrate the importance of attention to detail in every aspect of the job.

Christopher W. Badrian

CAD Department Project Leader (CAD)

Chris has background in foodservice operations. He is a skilled CAD designer and manager of a very detailed oriented department. He leads by example keeping projects on track and on schedule. He develops and oversees NSD quality control programs that minimize mistakes, oversights, and provides accountability. He is the standard barer for the NSD slogan "suitable for framing". The high standard; which every sheet, every detail, and every drawing produced by NSD must stand up to.

cox graae + spack architects



The Maderia School - New Student Center

McLean, VA

Project Description

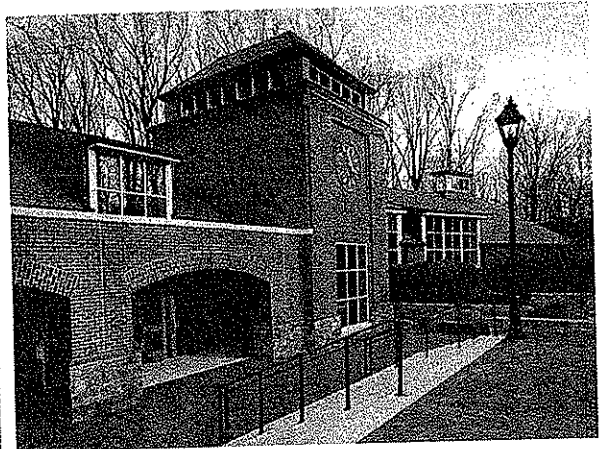
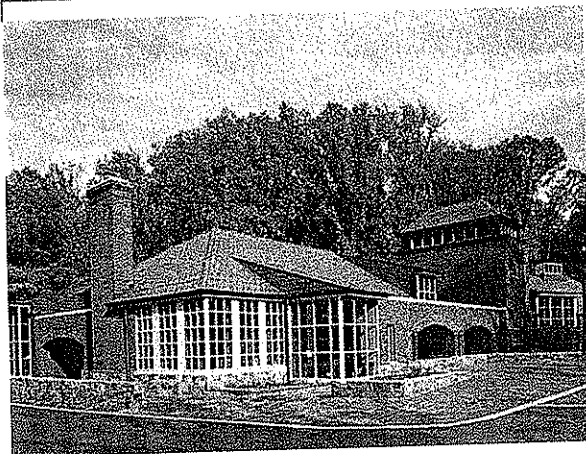
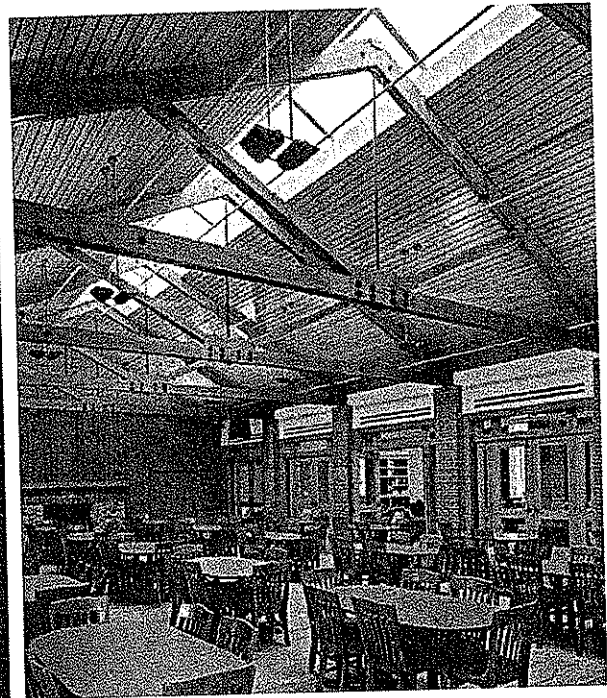
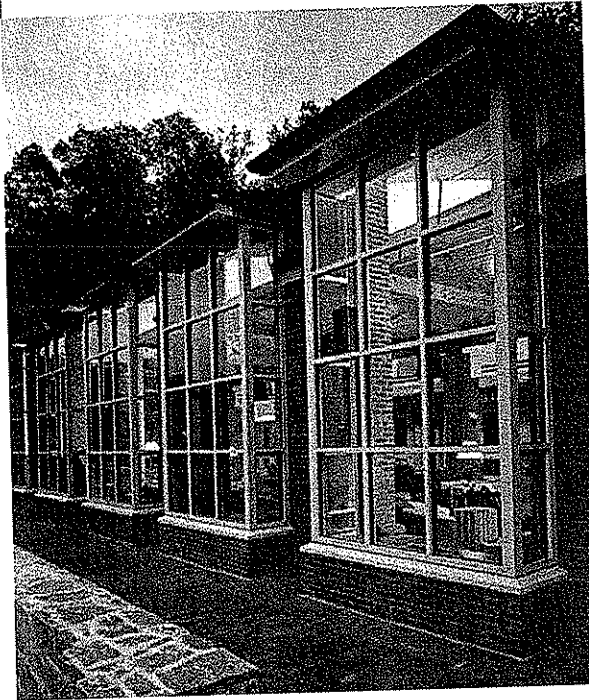
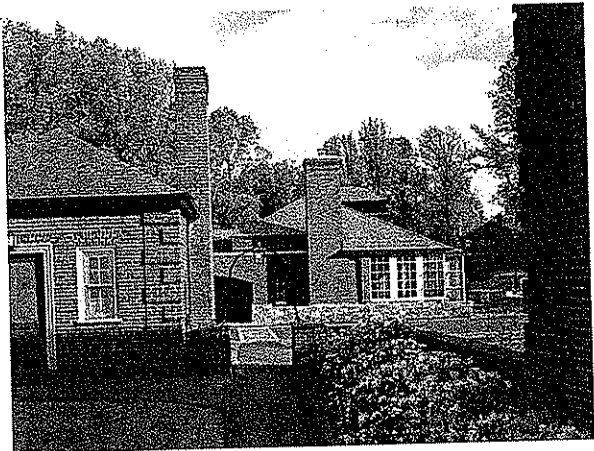
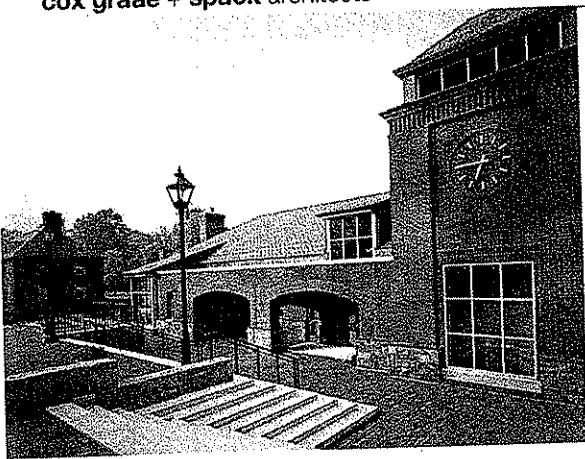
Maderia is an independent boarding school for girls, founded in the 1930s on several hundred forested acres overlooking the Potomac River gorge ten miles from Washington, D.C. The Student Center project was the initial phase of a campus master plan that incrementally upgrades several key parts of the campus over the next decade. The new Student Center is placed opposite "Main," the School's administration building, to emphasize the importance of this student-oriented function and the communal benefits of gathering for a meal at the heart of campus. Encountered from the entrance road, the west façade acts as a welcoming gateway to the inner pedestrian campus. The new multi-purpose building combines a student lounge, bookstore, post office and administrative office space with a new 400-seat dining hall and associated kitchen and servery. The dining

hall and student lounge connect to form a single large special-events space that overlooks an adjacent wooded landscape and the historic "Oval," Maderia's main academic quadrangle.

client: The Maderia School
services: Master Planning, Programming, Architecture, Public Approvals
completion: 2004
area: 30,000 sf

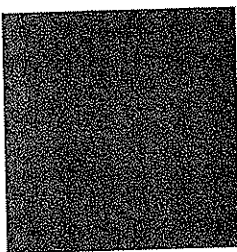
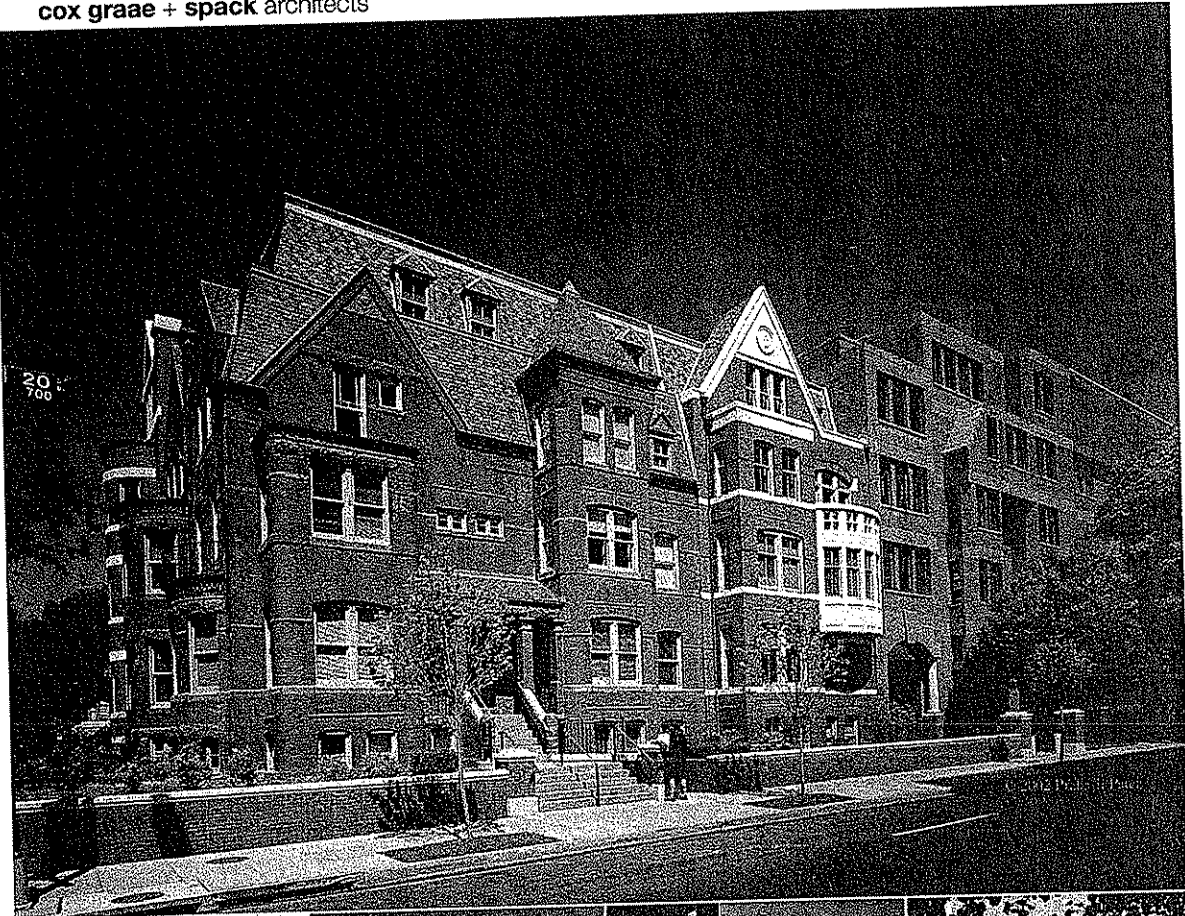


cox graae + spack architects





cox graae + spack architects



George Washington University - Law School Addition

Washington, DC

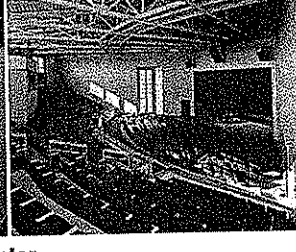
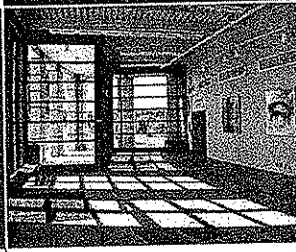
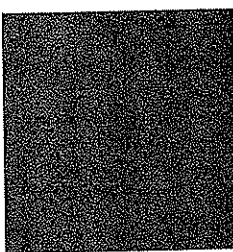
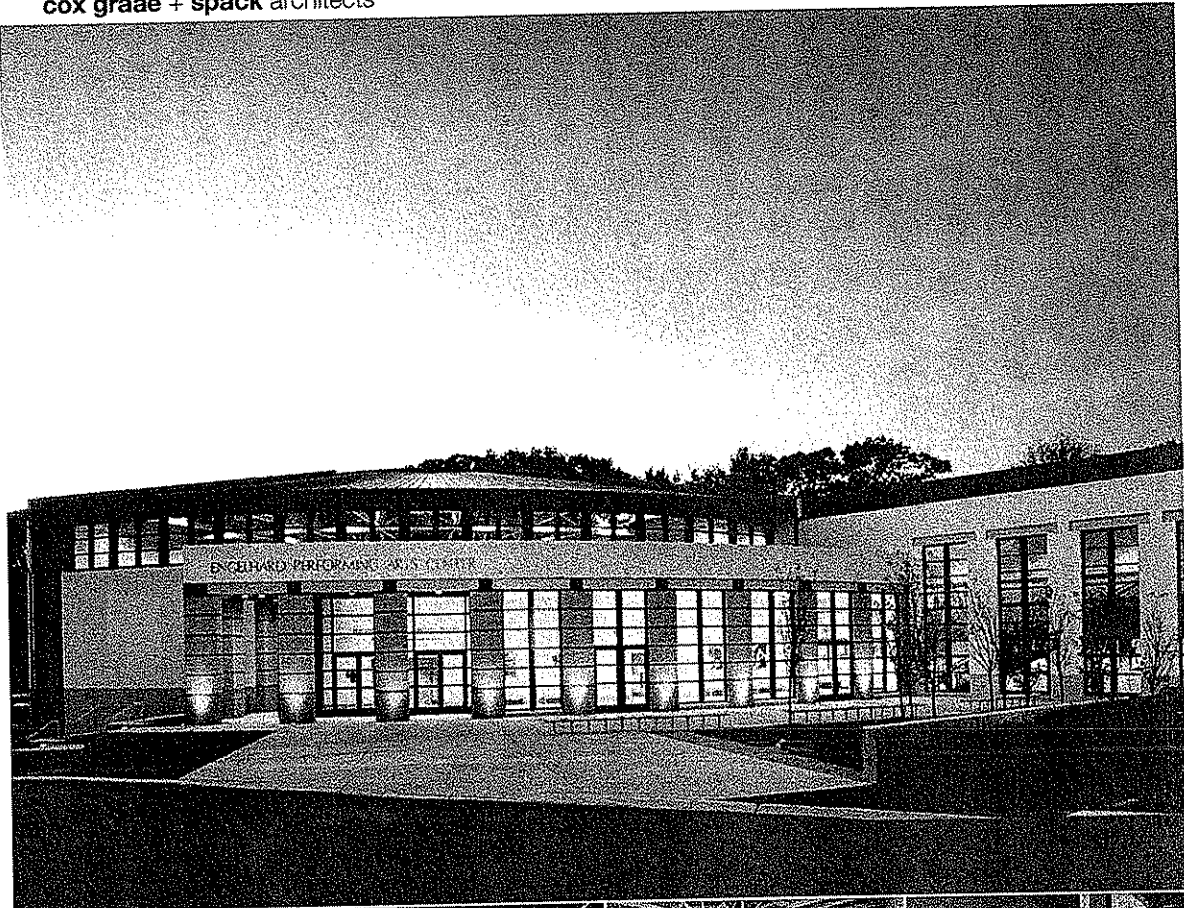
Project Description

The George Washington University Law School is a prestigious presence in downtown Washington, D.C. In 1995, the school began an ambitious master-planned program of renovations and expansion. As a cornerstone to the Law School, this first major addition since 1984 consolidates once dispersed functions into the school's administrative headquarters, taking full advantage of this prominent location. The project design solution involved the complex task of saving and integrating the unique exteriors of several individual historic landmark townhouses - the interiors of which could not reasonably be adapted to the University's requirements - into a contextually sympathetic new structure behind, below and to either side. This critical infill structure seamlessly interconnects the school's adjacent buildings and continues its clockwise expansion around the University's main quad.

client: The George Washington University
services: Architecture, Space Planning, Interior Architecture
completion: 2002
area: 31,000 sf



cox graae + spack architects



The Potomac School - Engelhard Performing Arts Center
McLean, VA

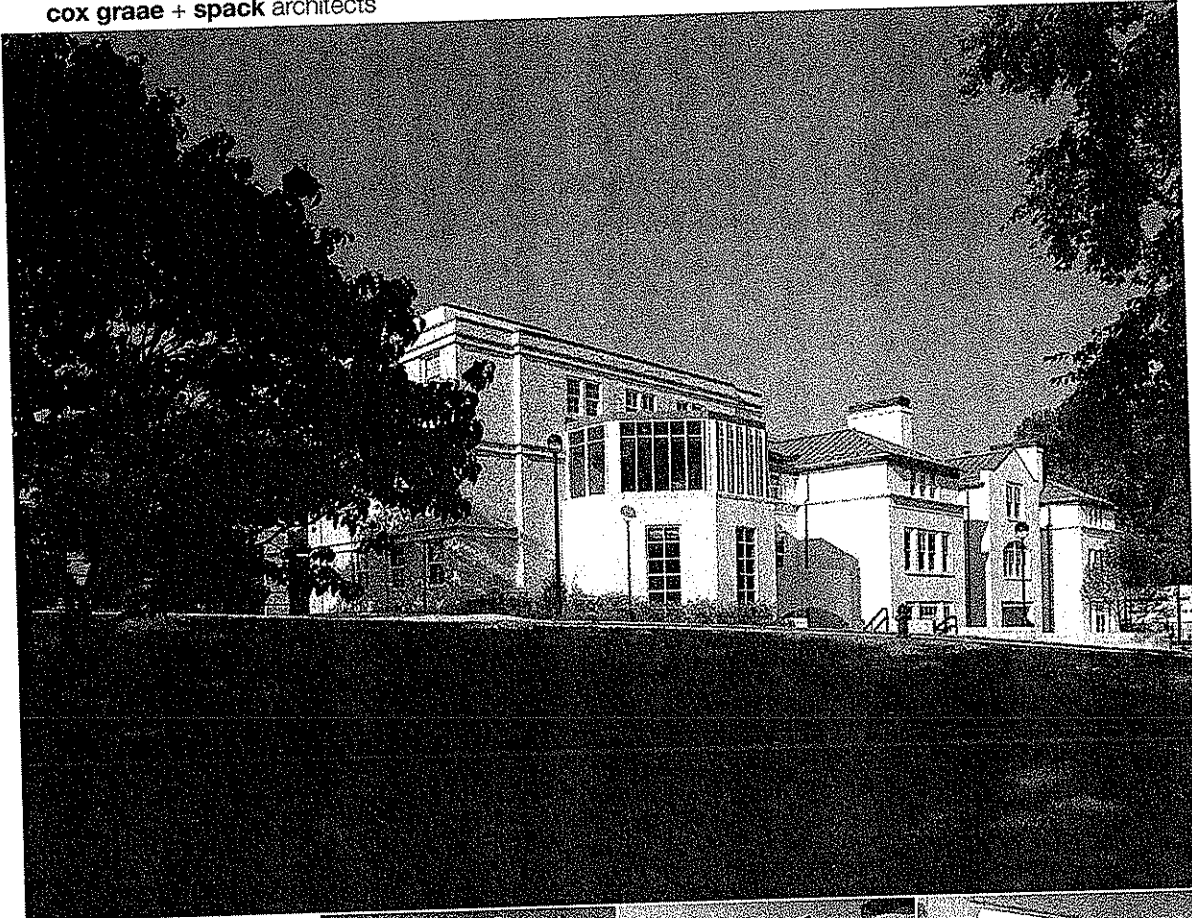
Project Description:

The new Performing Arts Center's primary space is a light-filled, curving 500-seat auditorium for weekly student assemblies as well as performance space for music, drama, chorus and dance. Adjoining the auditorium is a two-story rehearsal wing with administrative offices, practice rooms, a glass-walled lobby that also acts as art exhibition space, and a reception room for sit-down dinners. The fan-shaped auditorium follows the natural hillside contours and includes a backstage scene shop, lighting catwalk and audiovisual control booth. By setting careful limits on how money could be most effectively spent, the Center met its budget as a fully-functional performing arts facility while establishing a new architectural standard for future campus buildings.

client: The Potomac School
services: Programming, Architecture, Interior Architecture
completion: 2001
area: 30,000 sf



cox graae + spack architects



Maret School - New Upper and Lower School Expansion
Washington, DC

Project Description:

The renovation and addition to the Maret School completes a campus master plan by renovating the existing classroom and cafeteria building and adding lower school classrooms and a lower school library, a 350-seat proscenium theater and 3 new art classrooms serving the entire campus. The existing building was constructed over time between 1967 and 1987 and is clad in split faced white brick. The addition is clad in white synthetic stucco with traditional divided lite, double-hung windows and is scaled to be consistent with the historic mansion and the surrounding historic context. A complex, public approval process involving D.C. agencies and local community groups ensured that the project received full support.

client: Maret School
services: Master Planning, Architecture, Interior Architecture
completion: 2005
area: 84,000 sf

cox graae + spack architects



The Field School - New Campus and Athletic Center
Washington, DC

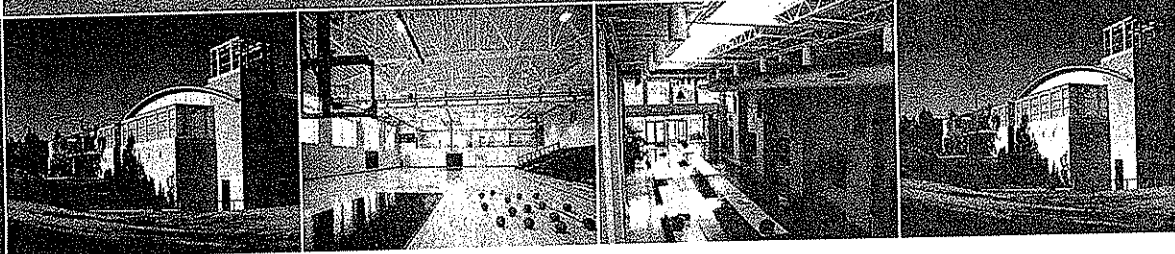
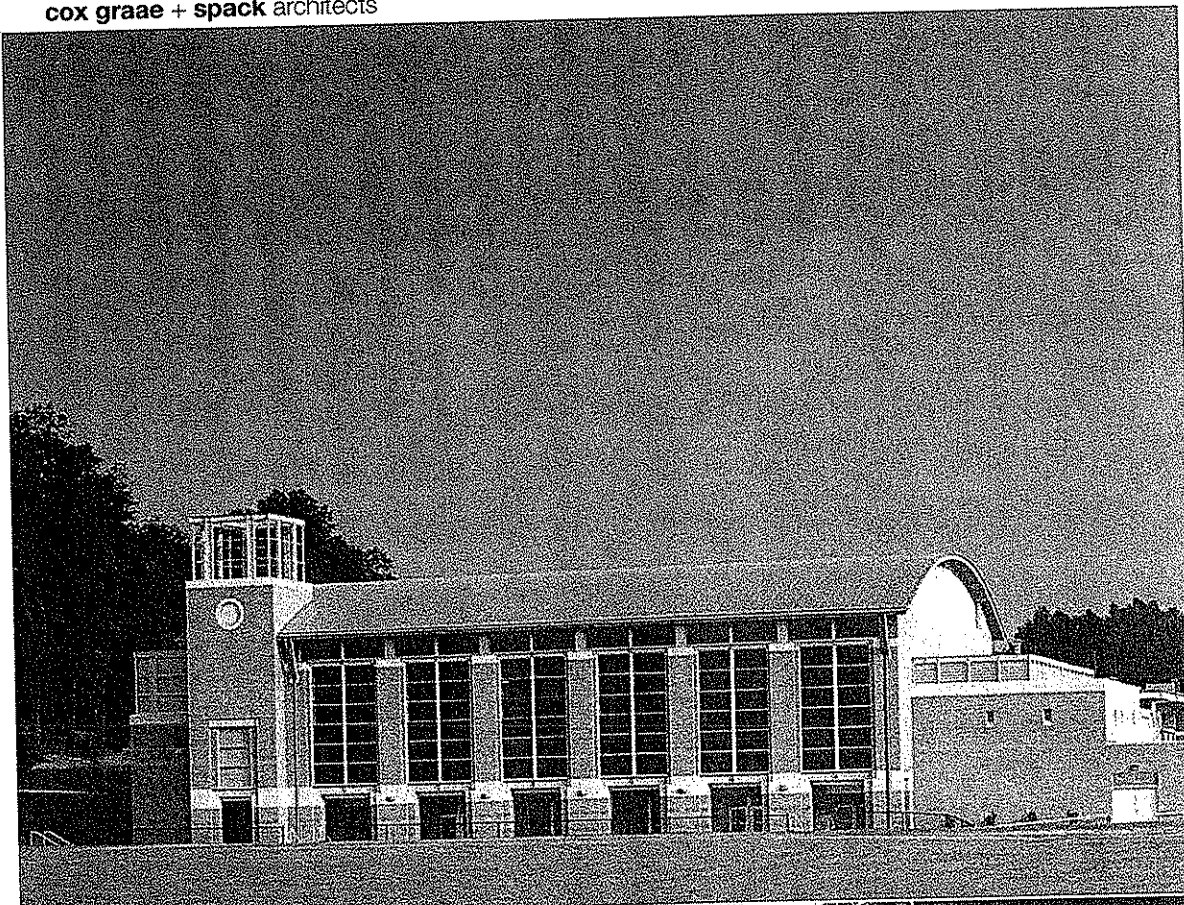
Project Description

The new 10-acre high school campus occupies a large former residential estate bordering wooded parkland with views of the downtown Washington skyline. The retrofitted original ca. 1938 Art Deco mansion serves as the front door and administrative center for the School. New classroom wings and a gymnasium/theater framing outdoor landscaped terraces step down the steep hillside to a soccer field. Terraces serving as the School's quadrangle and outdoor gathering space connect the multiple levels of the fully-accessible campus circulation system. The 300-student campus maintains a quiet, understated residential scale that transforms the site into a unique "hill town" educational enclave.

client: The Field School
services: Master Planning, Programming, Architecture, Historic Preservation, Public Approvals
completion: 2002
area: 65,000 sf



cox graae + spack architects



St. Anselm's Abbey School

Washington, DC

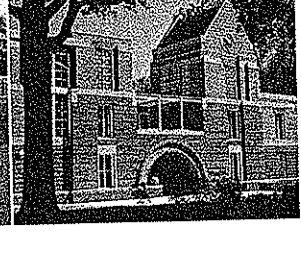
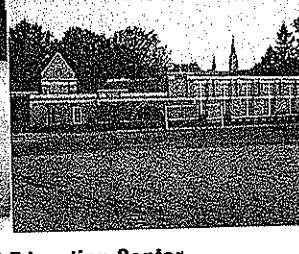
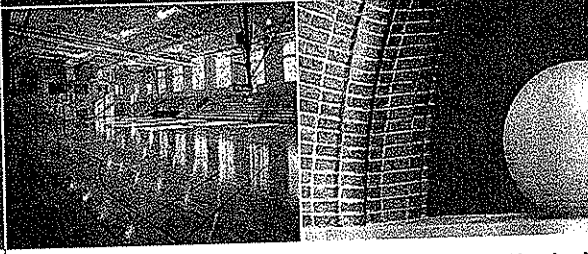
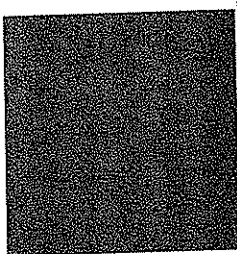
Project Description:

St. Anselm's Abbey School is a Benedictine Monastery college preparatory school for 200 boys in grades 6-12, located in Washington, D.C. The new Student Activities Center is the culmination of a long-standing need to upgrade the school's aging athletic facilities and to create a large student gathering space suitable for theatrical performances and weekly mass. The new building is composed of three primary elements: the existing 1930s gymnasium adapted for use as a chapel/performing arts venue, a large, new athletic facility, and a lobby/cafe space that adjoins the two structures. The old gym is retrofitted with tiered seating for 400, a raised stage and associated dressing, and support spaces. The new three-level fitness center overlooks adjacent athletic fields and includes a gymnasium with bleacher

seating for 400, a wrestling room, weight training facilities, locker rooms, conference rooms and offices. A light-filled atrium connects the new and old structures while serving as a lobby/theater pre-function space and cafeteria for daily school use.

client: St. Anselm's Abbey School
services: Programming, Architecture, Interior Architecture, Public Approvals
completion: 2003
area: 51,000 sf

cox graae + spack architects



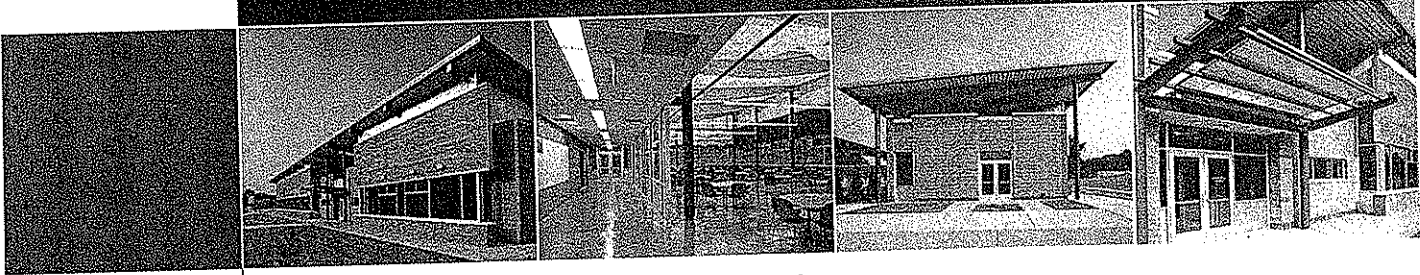
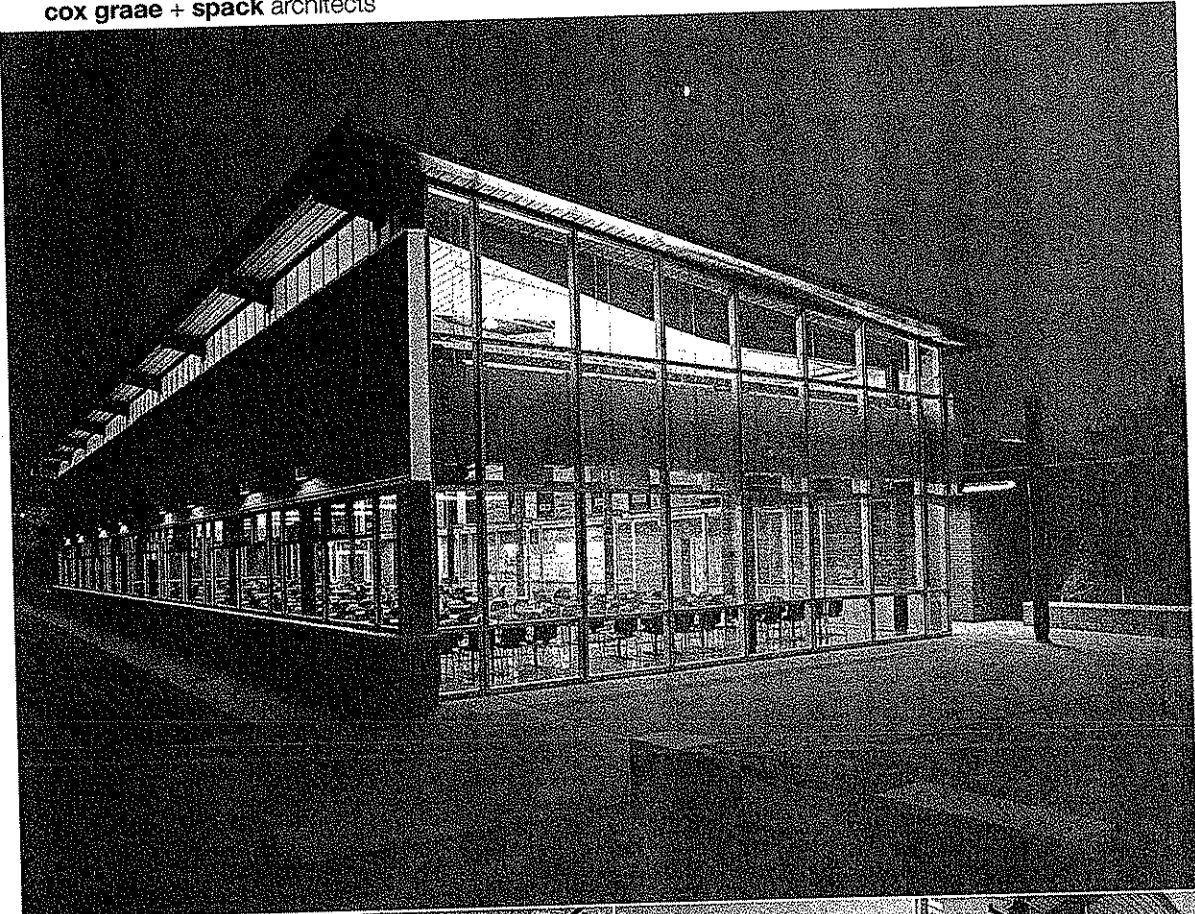
Georgetown Visitation Preparatory School - Physical Education Center
Washington, DC

Project Description

When fire destroyed its ca. 1873 Founder's Hall, the Georgetown Visitation Preparatory School chose to rebuild classrooms in place of its original main assembly space. A subsequent Master Plan recommended adapting the school's antiquated gymnasium building for Chapel/performing arts use and for the construction of an updated athletic facility to meet the physical education needs of the vibrant school community. The new building, located to link the newly-formed student quadrangle with adjacent athletic fields, is carefully designed to blend into the historic Georgetown campus context. An arched entrance portal and clock tower separate a light-filled competition court space with bleacher seating for 400 from a three-level classroom wing containing rooms for weight training, aerobics, lockers, fitness and conferences.

client: Georgetown Visitation Preparatory School
services: Master Planning, Programming, Architecture, Public Approvals
completion: 1998
area: 25,000 sf

cox graae + spack architects



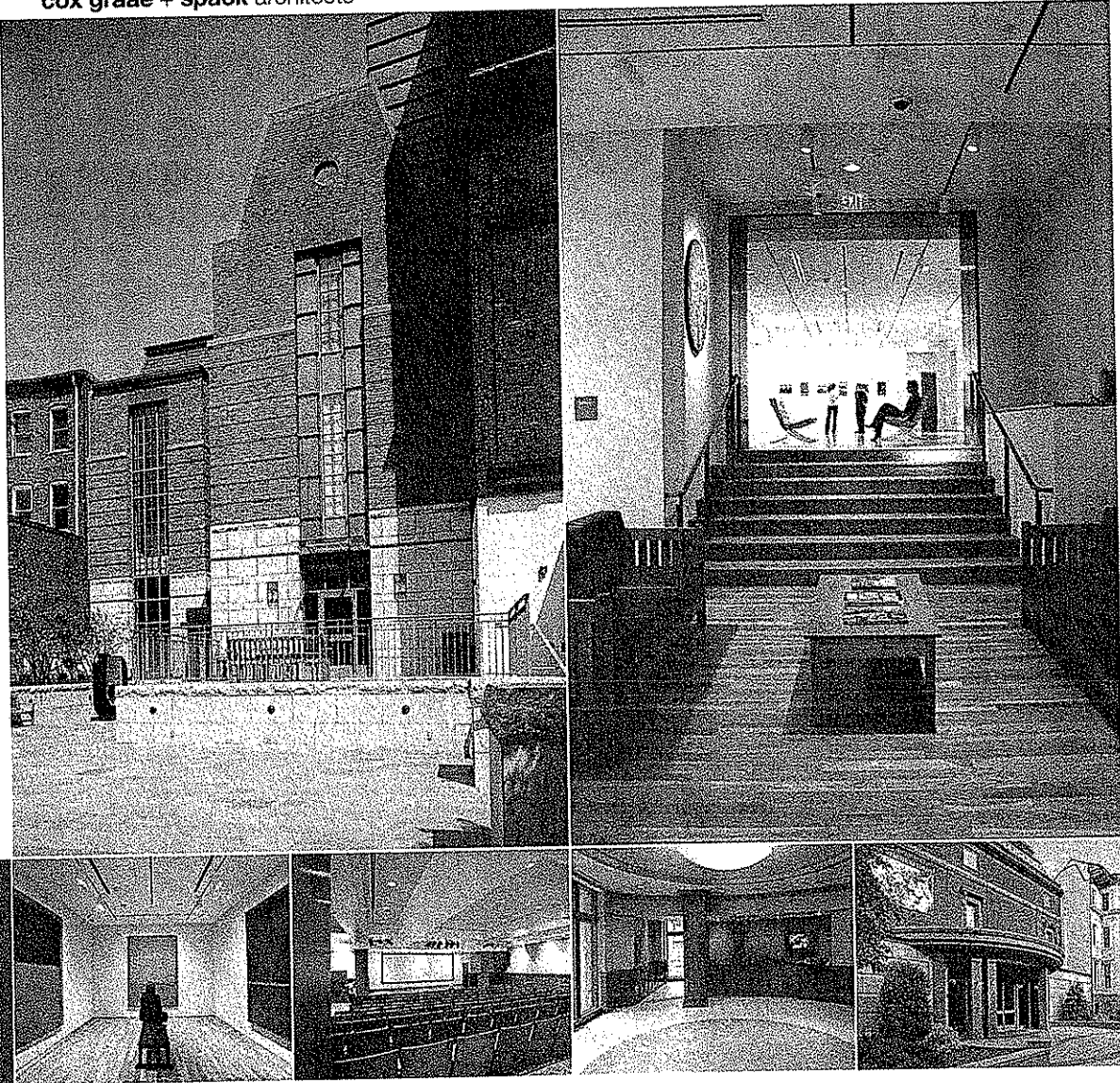
Department of Labor Potomac Job Corps - Phase 1
Washington, DC

Project Description

The Department of Labor commissioned CGS to dramatically transform the city's Job Corps Center into the Corps' flagship job-training facility for economically disadvantaged youth in the nation's capital. The Master Plan/Feasibility Study developed by CGS identified the program needs, assessed existing facilities and proposed renovations and major additions to the campus in a five-phase development program. The \$11.4 million Phase 1 - opening in 2005 - encompasses substantial site and utility improvements, a new 17,000 sf Recreation Center and an 18,000 sf, 350-seat Cafeteria and Culinary Arts Building. The Recreation Center includes games/common rooms, exercise studios, weight rooms, arts and crafts, TV/movie hall, multipurpose rooms, canteen and full showers and lockers. The Center also features a renovated pool, outdoor playing fields and a Gymnasium.

client: U.S. Department of Labor
services: Master Planning, Architecture and Interior Architecture
completion: 2006
area: 44 acres-15 buildings

cox graae + spack architects



The Phillips Collection—Center for the Study of Modern Art
Washington, DC

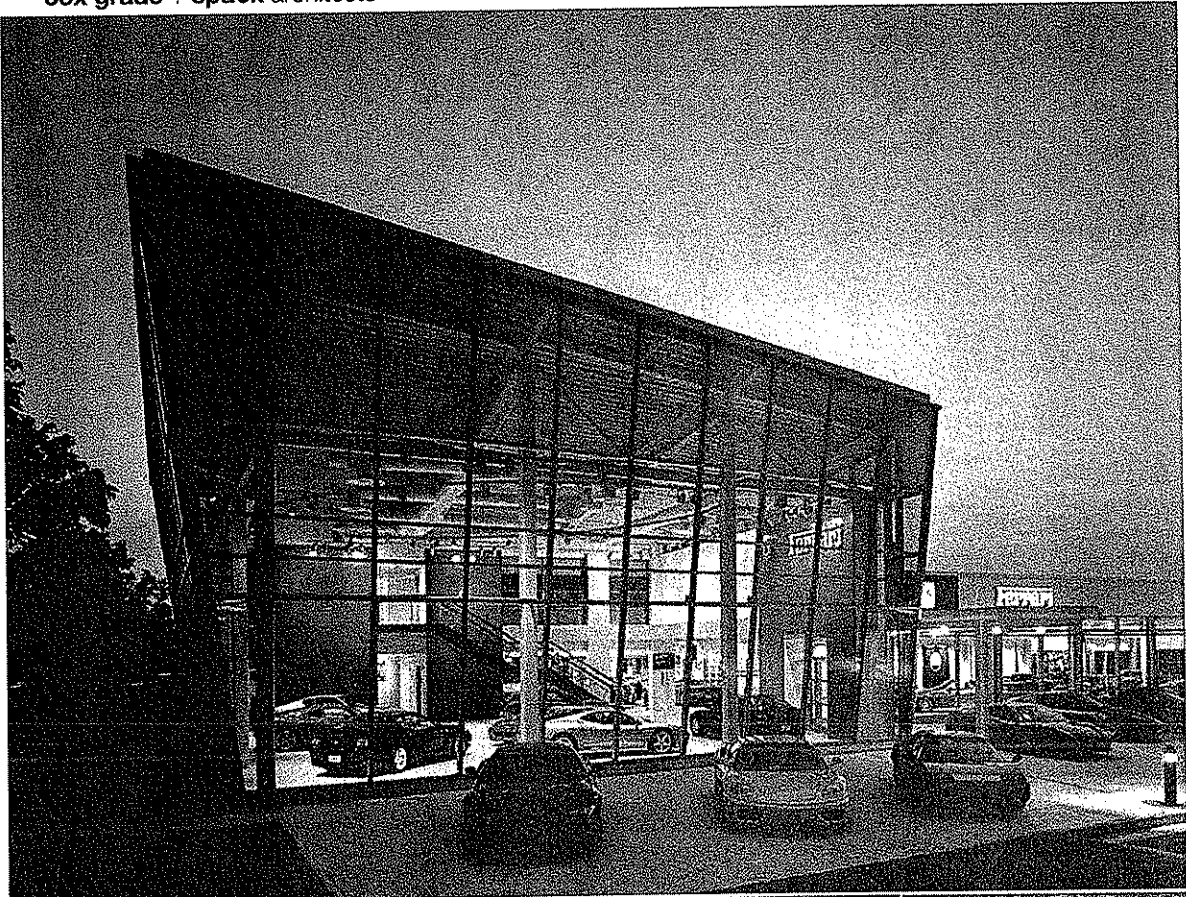
Project Description:

A master plan for future growth of this internationally-known modern art museum led to the acquisition of an adjacent four-story apartment house. Behind the retained historic front façade, a new five-level addition seamlessly extends the existing museum floor levels and adds two underground levels. The new Center includes an auditorium, a library and archives, seminar rooms, administrative offices, a resident artist studio, additional exhibition galleries, and an outdoor sculpture garden. A new entrance addition replaces the existing main museum entry and provides extensive visitor services including an enlarged gift shop/book store and a cafe overlooking and opening to the new sculpture garden.

client: The Phillips Collection
services: Architecture, Historic Preservation, Interior Architecture
completion: 2005
area: 35,000 sf



cox graae + spack architects



Ferrari Maserati of Washington
Sterling, VA

Project Description:

This contemporary building asserts its street presence and presents a club-like atmosphere for the sales and service of these exclusive automobiles. Consistent with Ferrari and Maserati design aesthetics, the palette is clean and organized. Several volumes of differing materials; exposed steel, glass, metal panels and concrete block reduce the visual building mass. A full auto service facility and race shop are visible through interior glass walls from the adjoining showrooms, customer lounge and merchandise boutique. The two story showroom is conceived as an illuminated glass case for the display of automotive works of art.

client: TifosiLand LLC
services: Master Planning, Architecture and Interior Architecture
completion: 2003
area: 34,000 sf new construction



cox graae + spack architects



Lamborghini Washington Sterling, VA

Project Description

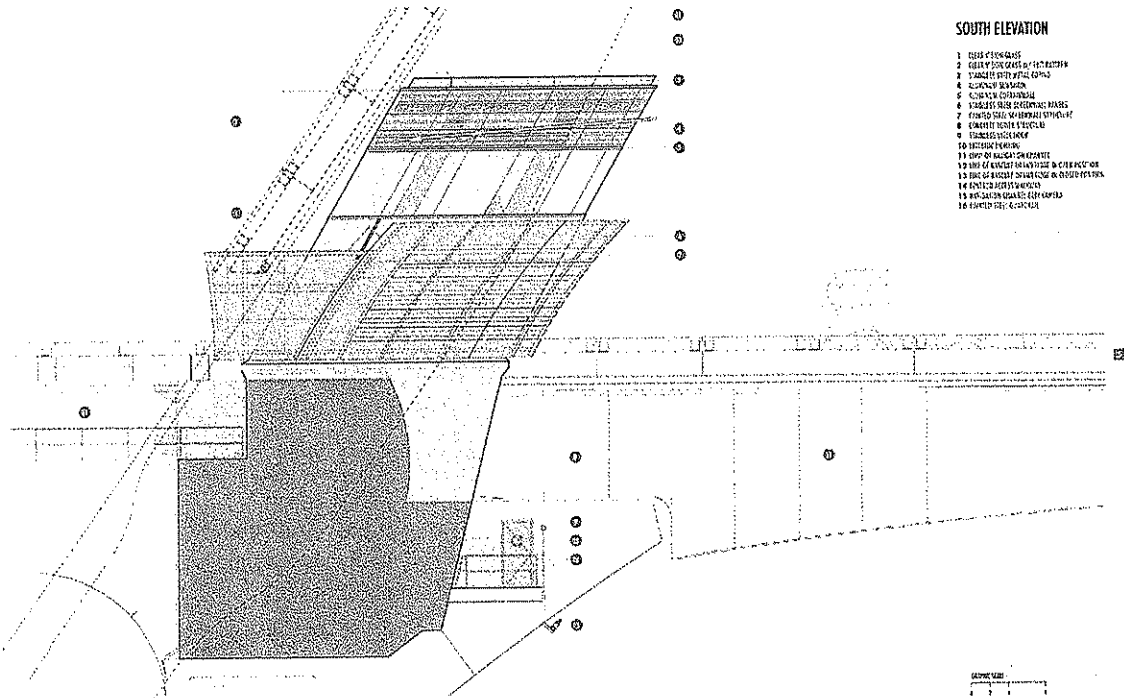
This contemporary building is a visual expression of Automobili Lamborghini's corporate desire that the new showroom design honor the marque's exclusive and signature Italian styling that defines the character of all Lamborghini automobiles. The new showroom is designed as a separate building adjacent to existing showrooms for Ferrari and Maserati. The existing and new buildings are placed in close proximity with the intent to create an entertaining urban campus. The exterior and interior of the new dealership create a balanced composition consistent with Lamborghini Corporate design philosophies. Minimalist forms and fine materials ensure that the automobiles always remain the focus of attention, creating a museum-like atmosphere. The design of the two-story vehicle showroom expresses itself as a glass enclosed display case for the presentation of automotive works

of art. Within the showroom, space-defining elements create separate areas for new and used vehicle presentation, reception and merchandise display. The combined bar and reception counter is an important welcoming element oriented towards the customer entrance. Offices and a customer lounge are located on the second floor overlooking the showroom display areas. The adjoining service garage is visible from the showroom area through interior glass walls.

client: TIFosiLand LLC
services: Architecture, Interior Architecture and Merchandising Design
completion: 2008
area: 6,500 new construction, 2,000 renovation construction

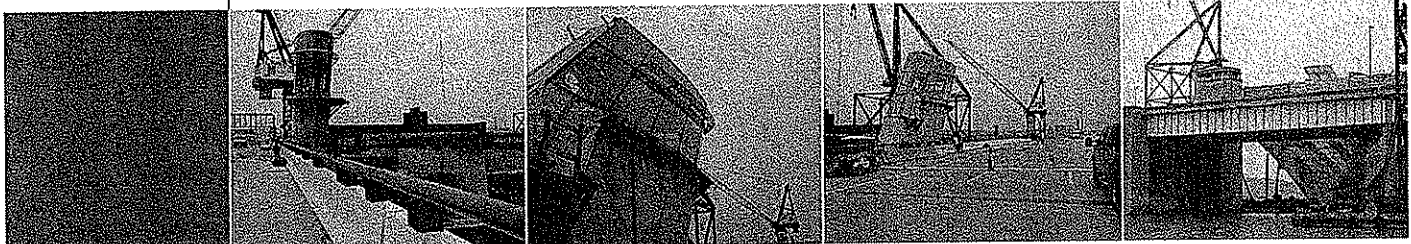


cox graae + spack architects



SOUTH ELEVATION

- 1. CURB FINISHES
- 2. CURB FINISHES ON RETAINMENT
- 3. FINISHES OF THE CURB
- 4. FINISHES OF THE CURB
- 5. FINISHES OF THE CURB
- 6. FINISHES OF THE CURB
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- 12. FINISHES OF THE CURB
- 13. FINISHES OF THE CURB
- 14. FINISHES OF THE CURB
- 15. FINISHES OF THE CURB
- 16. FINISHES OF THE CURB



Woodrow Wilson Memorial Bridge Operator's House
Washington, DC

Project Description:

The Operator's Control House tower structure acts as a gateway marker for the highway approach to the massive new bridge structure. The slender 6-story structure grows out of a concrete support shaft extending from one of the monumental V-pier supports. The requirements of the support structure and the shape of the repetitive bridge piers precisely determine the geometry of the tower. Its wind shaped, streamlined form owes much to ship and automotive archetypes. The controller's observation level is completely enclosed in flush, radiused glass to permit a full 360 degree visual sweep of the highway approaches. The tower is inclined outward toward the navigation channel to give unobstructed views of the river. A steel armature cantilevered from the concrete shaft supports a series of freestanding, panelized stainless-steel screen walls containing access catwalks.

client: Maryland State Highway Administration
services: Architecture
completion: 2008
area: 1,000 sf new construction

Department of Parks, Recreation and Community
Resources

Pamela J. Everett,
Recreation Area Manager
3308 S. Stafford Street
Arlington, VA 22206



June 16, 2008

Dear Sir or Madame:

It has been a pleasure working with Bill Spack and Ed Foley, of **Cox, Graae + Spack Architects** for the past 3 years, in the renovation of the Fairlington Community Center. This community center was built in the 1940s, as an elementary school and operated, until the 1970s. In the 1980s, after the building had been neglected for several years, it was given to the Arlington County government. The county government temporarily repaired the building, made it operable, and developed community recreation programs. After many years of proposed funding, loss of funding and a persistent community pushing for funding-a budget was finally made available to renovate the building.

Cox, Graae + Spack Architects were selected to complete the renovation. In working with Bill Spack and Ed Foley, I found them both to be professional, knowledgeable, creative and resourceful architects. They were also educators, in working and informing both the staff and community, as we went through the process. Arlington government has a public process philosophy of total inclusion of both its staff and community in major projects. Time was taken to educate and define the renovation process and then to allow input and feedback, from everyone involved. Long term tenants of the building included: county government and state agencies, community led volunteer organizations, professional recreation/sports personnel and various community building users. With a limited budget, and everyone's special facility needs and requests, (that each felt they had the most compelling need), Bill and Ed led an excellent process. All voices were fairly heard, considered and incorporated wherever possible. Additionally, there were update meetings with the general community to keep them informed and receive feedback.

The grand opening of the community center took place in early May. Tenants, staff and the community all love the renovated building. I am, as well as so many other people I talk to, amazed at the outcome of the building. Everyday, new visitors come to the building and the statements are consistently the same. The creative blending of the old school look and new community center features are beautiful. The natural light, expanded floor space, the blending of colors, the heat and air system, the renovated bathrooms, updated kitchen, the fitness areas, etc. are all truly outstanding. I, personally notice the details that were requested by staff and community and it is clear, that they heard and responded to our desires.

I hope it is apparent by the praise of my letter, that Bill Spack and Ed Foley of Cox, Graae + Spack Architects are highly recommended architects. The staff and community held very high expectations in this renovation project. They surpassed the mark of excellence with their architectural skills, ability to work with others and the final product, the Fairlington Community Center.

Please do not hesitate to contact me, if you have any questions or if you would like a tour of the center. I would be happy to meet with you.

Sincerely,



Pamela J. Everett,
Recreation Area Manager
pevere@arlingtonva.us
703.228.6589



E & G G R O U P

Mr. William Spack
Principal
cox graae + spack architects
2909 M Street, NW
Washington, DC 20007

Dear Bill:


Now that the gym and theatre at St. Anselm's are complete, I'd like to tell you how much I enjoyed working with you and Ed Foley on the project and how pleased I am with the final product.

cox graae + spack architects designed a new gym building which is architecturally striking yet ties into the adjacent old gym which now serves as the theatre. When we encountered severe budget constraints just before construction was to begin, you worked to reduce costs by \$350,000 without compromising the exterior design or the usability of the space to the school.

During construction, you two helped us stay on schedule and on budget by quickly resolving the unexpected conditions always encountered on projects which incorporate new construction and renovation in one facility. Ed was also particularly effective in compensating for the weaknesses of some of the sub-contractors, and took responsibility for a lot of the project coordination which they should have performed.

I think we've produced a building which serves the client's needs very well and of which we can all be proud. I look forward to working together on more projects in the future.

Sincerely,


Sarah T. Underwood
Chief Operating Officer



The Rev. Dr. Jonathan F. Smoot
Interim Pastor

The Rev. Lisa D. Kenkeremath
*Associate Pastor
for Congregational Care
and Evangelism*

The Rev. Ann E. Herlin
*Associate Pastor
for Mission
and Adult Education*

Dr. Wayne N. Earnest
Minister of Music

Ms. Gwen Carr
*Educator for Children
and Their Families*

Ms. Charlotte Nance
Educator for Youth

Mrs. Jeannette Smalling
Associate for Community Ministries

The Rev. Dr. William R. Sengel
Pastor Emeritus

William I. Spack, AIA, Principal
Cox Graae + Spack, Architects
2909 M Street NW
Washington, DC 20007

October 3, 2005

Re.: Elliot House

Dear Bill,

This letter is to let you know how much our church appreciates the work that you and your firm have completed for us for the addition and renovation of our historic building, located in the historic district of Alexandria.

When the project began in 2000, we were all aware that the design would require innovative and cost effective solutions to a number of complex issues. We knew that this complexity would generate a need for many special considerations during construction. By the end of the project, we could look back on the efforts that were necessary and be both glad and proud that the work is now finished. The combination of renovating an old house and converting it to a modern public facility, building against two city property lines, designing an underground meeting room below a heavily landscaped garden, satisfying both city requirements and neighbor concerns, and remaining within a tight budget presented a challenge that your firm resolved in every instance with a high degree of professionalism.

We have been particularly pleased with your personal involvement throughout the project from the beginning preliminary design to the project close out. You have continuously shown a keen understanding of both architectural issues and an ability to work with a variety of people.

Thank you for the work by you and your firm on our behalf.

Best wishes,

Thomas A. Downey, Jr., Owner's Representative

Cf. OPMH file, Casey Naatjes

323 South Fairfax Street
Alexandria, VA 22314
Phone: 703 549-6670
Fax: 703 549-9425
Email: opmh@opmh.org
www.opmh.org



MARJO TALBOTT, *Head of School*

December, 2005

To Whom It May Concern:

In 2002, when Maret School was planning to embark on the second phase of its master facilities plan, we decided to open up the architectural selection. We interviewed the initial architect who created the overall vision but also interviewed three other firms. We chose Cox, Graae & Spack because it was a mid-sized firm (unlike our original, smaller architecture firm) and because Bill Spack and David Cox seemed to understand and "get" our vision.

Maret is located in Woodley Park, which is a residential community in Northwest Washington. Our main building is a beautiful federalist house on the Historic Register and built in 1801 by Philip Barton Key. Cox, Graae & Spack was well known for its sensitivity to the surrounding area and, specifically, to historic sites. We were impressed with David Cox's ability to take someone else's plan, enhance it, and make it fit so perfectly to our seven-acre campus. Originally, construction was set for 2005/2006; however, in May 2003, the building that was to be renovated was struck by a devastating fire. CG&S's team was on-site that day to help us determine a way to renovate that building so that school could open in the fall and also to begin to move forward the timeframe by a year for our major construction. Tom Wheeler became the school's point person. He may feel like he has lived on our campus for the past two years.

Now that we have settled into our new space, the Board and administration of Maret School feels incredibly indebted to our architects. The exterior and interior designs are excellent. The new Theatre, Lower School, and art spaces work extremely well for the students and faculty that use them. Renovating existing space is no easy challenge. CG&S were able to transform areas that were dark and unproductive into beautiful and useful facilities. We had a very tight budget, and when we needed to value engineer, the architectural team rolled up its sleeves and figured out ways to do so without compromising program. As with any major \$20 million project, there were times that the architects and construction supervisors had differences of opinion. Tom Wheeler and the rest of the CG&S team approached those obstacles with integrity and intelligence. As is obvious from the above, I highly recommend all three of the central members of our team.

Marjo Talbott

Marjo Talbott
Head of School



THE POTOMAC SCHOOL
Office of the Head of School

April 25, 2007

To Whom It May Concern,

It is our pleasure to be able to provide a letter of recommendation for Cox, Graae + Spack. We have enjoyed a productive relationship with CG+S since 1996-1997 when we began initial design on our Performing Arts Center that opened for business the fall of 2000. CG+S, and principal Bill Spack in particular, were the architects of record throughout the project and took us through all applicable phases from preliminary design development to schematic design through construction documents to construction administration and building close out, resulting in a dynamic, flexible and successful 31,000 square foot Arts Center.

In the years since, CG+S, in concert with other consultants, has worked with Potomac School almost non-stop on campus master planning, various miscellaneous related projects and most recently the completion of our Upper School expansion, including approximately 60,000 square feet of new building space and 50,000 of full-bore interior demolition and renovation to our existing Upper School. Joanna Schmickel served as principal architect throughout, and we have dramatic new buildings and spaces and a new visual statement on campus to carry us forward due in large part to her and CG+S' involvement.

Throughout every process, no matter the magnitude, we found CG+S attentive, responsive, creative, cost and schedule conscious, diligent in all phases of their work, and **most importantly completely in sync with our educational vision and mission.** The applicable teams did an admirable job of balancing design intent and architectural statement with our community's hopes, dreams, and culture. CG+S' staff have come to know the school world with all the inherent complexities and have worked very well with the many, occasionally competing, constituencies (trustees, faculty, administration, general contractors, fundraisers and project managers) to take our visions from concept to reality. In particular, David Cox has been a wise, constant, and beneficial presence throughout all our work with the firm.

Based on our history and experience with Cox, Graae + Spack in the realm of independent school design and construction, we heartily recommend them to all potential clients.

Sincerely,

Geoffrey Jones
Head of School

Perry Swope
Facilities Director/Project Liaison