

# TAB D

## Resumes

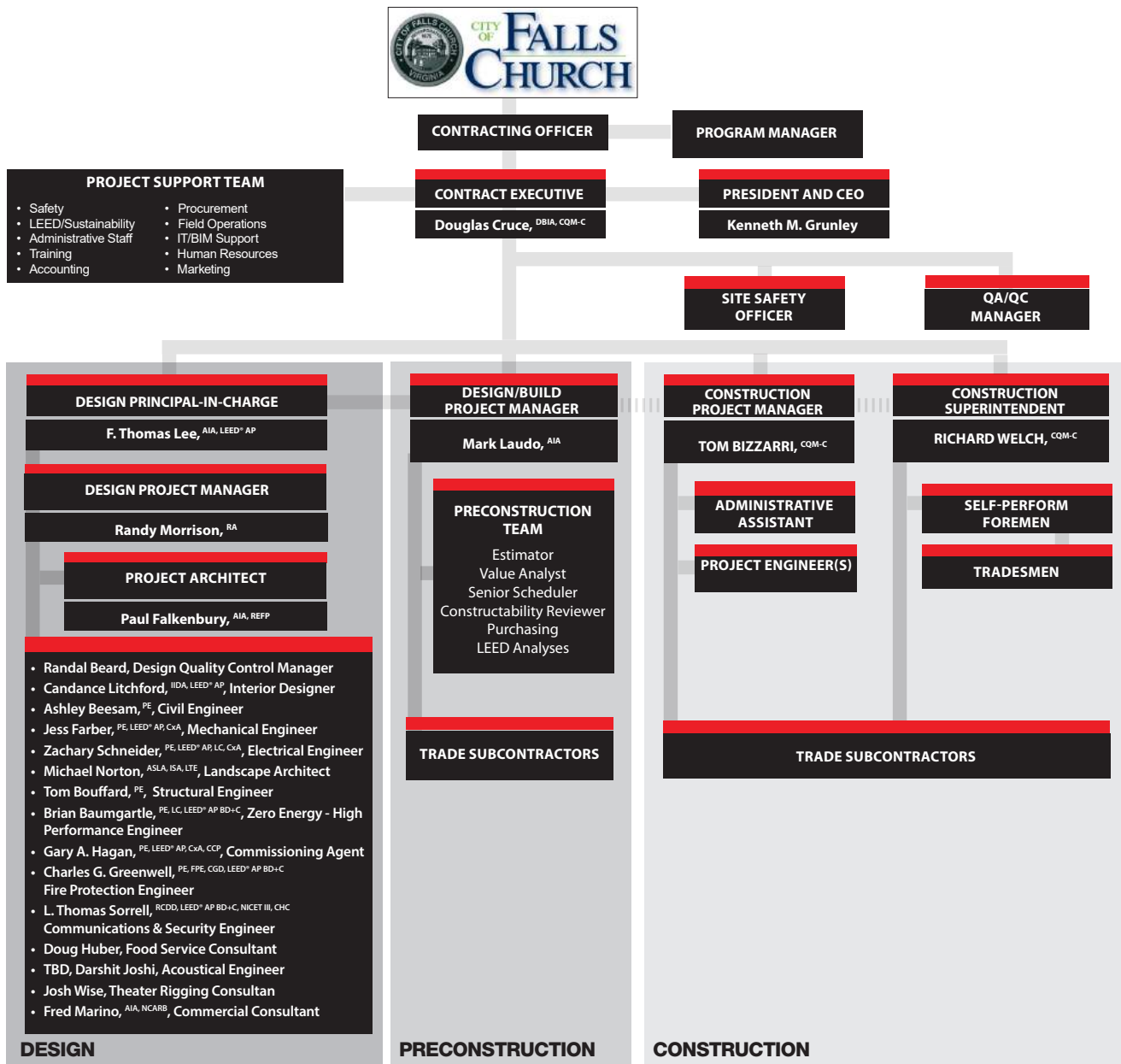


*New George Mason High School  
PPEA Design and Construction*

# TAB D Resumes

## LEADERSHIP STRUCTURE

Grunley and Samaha have assembled an outstanding team of qualified personnel, subconsultants and subcontractors capable of successfully executing the George Mason High School Project. Our proposed personnel have extensive experience with design/build school construction, renovations and additions. They have the knowledge and skills to ensure that the project is completed successfully, on-schedule and within budget. Our organization chart below, illustrates our leadership structure and indicates the lines of communication and authority.



**KEY PERSONNEL EXPERIENCE ON RELEVANT PROJECTS**

We have assigned personnel to the project who performed key on-site roles during the execution of projects similar in size, scope and complexity to the George Mason High School Project. Each of our key personnel has worked on projects that include complex school additions/renovation. Careful review of the individual resumes will show that each individual offers significant

relevant experience. To further support this project, we have chosen subconsultants who have worked with us successfully on past projects of similar size, scope and relevance. We have included a matrix below to identify which of the proposed staff performed on the relevant projects submitted in Tab G Past Projects Contractor and Tab H Past Projects Designer. Brief resumes for our Key Personnel begin on page 37.

Name	Position	Experience with Projects in Tabs G and H Past Projects
Douglas Cruce, <sup>DBIA, CQM-C</sup>	Contract Executive	<ul style="list-style-type: none"> <li>• Mt. Daniel Elementary School Renovations and Additions</li> <li>• Sandburg Middle School Renovation and Additions</li> <li>• Herndon High School (in process)</li> </ul>
Mark Laudo, <sup>AIA</sup>	Design/Build Project Manager	<ul style="list-style-type: none"> <li>• Mt. Daniel Elementary School</li> </ul>
F. Thomas Lee, <sup>AIA, LEED® AP</sup>	Design Principal in Charge	<ul style="list-style-type: none"> <li>• Mt. Daniel Elementary School</li> <li>• Marshall High School</li> <li>• Gaithersburg High School</li> <li>• Silver Creek Middle School</li> <li>• Walter Johnson High School</li> </ul>
Paul Falkenbury, <sup>AIA, REFP</sup>	Project Architect	<ul style="list-style-type: none"> <li>• Mt. Daniel Elementary School</li> </ul>
Randy Morrison, <sup>RA</sup>	Design Project Manager	<ul style="list-style-type: none"> <li>• Mt. Daniel Elementary School</li> <li>• Gaithersburg High School</li> <li>• Silver Creek Middle School</li> <li>• Walter Johnson High School</li> </ul>
Thomas Bizzarri, <sup>CQM-C</sup>	Construction Project Manager	<ul style="list-style-type: none"> <li>• Fairmont Heights High School Replacement</li> </ul>
Richard Welch, <sup>CQM-C</sup>	Construction Superintendent	<ul style="list-style-type: none"> <li>• Fairmont Heights High School Replacement</li> </ul>
Candace Litchford, <sup>IIDA, LEED® AP</sup>	Interior Designer	<ul style="list-style-type: none"> <li>• Silver Creek Middle School</li> </ul>
Ashley Beesam, <sup>PE</sup>	Civil Engineer	<ul style="list-style-type: none"> <li>• Gaithersburg High School</li> </ul>
Darshit Joshi	Acoustical Engineer	<ul style="list-style-type: none"> <li>• Marshall High School</li> <li>• Gaithersburg High School</li> </ul>

**KEY PERSONNEL EXPERIENCE WITH EACH OTHER**

Our proposed team members have worked on and completed relevant projects together. The table below highlights these projects.

Projects Completed Together	Key Personnel Team Member
Mt. Daniel Elementary School	<ul style="list-style-type: none"> <li>• Doug Cruce</li> <li>• Mark Laudo</li> <li>• F. Thomas Lee</li> <li>• Paul Falkenbury</li> <li>• Thomas Bouffard</li> </ul>
Fort Myer Child Development Center	<ul style="list-style-type: none"> <li>• Doug Cruce</li> <li>• F. Thomas Lee</li> <li>• Paul Falkenbury</li> </ul>
Fairmont Heights High School Replacement	<ul style="list-style-type: none"> <li>• Thomas Bizzarri</li> <li>• Richard Welch</li> </ul>
Sandburg Middle School Renovations and Additions	<ul style="list-style-type: none"> <li>• Doug Cruce</li> </ul>
McKinley Elementary School Renovation and Addition	<ul style="list-style-type: none"> <li>• Doug Cruce</li> <li>• Mark Laudo</li> </ul>
Child Development Center at Patuxent River	<ul style="list-style-type: none"> <li>• Doug Cruce</li> <li>• F. Thomas Lee</li> <li>• Paul Falkenberry</li> </ul>
Johns Hopkins High School Myer Building Renovation	<ul style="list-style-type: none"> <li>• Doug Cruce</li> <li>• Richard Welch</li> </ul>
East Campus Building Marine Corps	<ul style="list-style-type: none"> <li>• Doug Cruce</li> <li>• Mark Laudo</li> </ul>
Gaithersburg High School Replacement	<ul style="list-style-type: none"> <li>• F. Thomas Lee</li> <li>• Paul Falkenberry</li> </ul>
Walter Johnson High School	<ul style="list-style-type: none"> <li>• F. Thomas Lee</li> <li>• Paul Falkenberry</li> </ul>
George C. Marshall High School Modernization/Additions	<ul style="list-style-type: none"> <li>• F. Thomas Lee</li> <li>• Paul Falkenberry</li> </ul>
Silver Creek Middle School	<ul style="list-style-type: none"> <li>• F. Thomas Lee</li> <li>• Paul Falkenbury</li> </ul>
Great Falls Elementary School	<ul style="list-style-type: none"> <li>• F. Thomas Lee</li> <li>• Paul Falkenbury</li> </ul>
Auburn Middle School	<ul style="list-style-type: none"> <li>• F. Thomas Lee</li> <li>• Paul Falkenbury</li> </ul>



# Douglas Cruce, DBIA, CQM-C

Contract Executive

Doug Cruce has 26 years of experience within the general contracting industry and has served as a Project Executive for over nine years. Doug has managed numerous construction contracts for public school clients, universities, federal agencies and private customers. He has a proven track record of successfully completing complex projects and building positive rapport with owners, architects, engineers, local officials, vendors and subcontractors. Doug excels at design-build and CM at Risk contracting, LEED® certification, construction planning and scheduling, budget analysis and cost control, quality control management, safety management, vendor and materials management, and estimating. His extensive experience with K-12 school construction and renovation will be a tremendous asset to the George Mason High School project.

## EDUCATION

- B.S., Civil Engineering, Virginia Polytechnic and State University, 1992

## LICENSE/ CERTIFICATIONS

- DBIA - Designated Design Build Professional
- U.S. Army Corps of Engineers Construction Quality Management for Contractors Program, Certified

## YEARS OF CONSTRUCTION EXPERIENCE

- 26 years

## LAST POSITION

- Senior Project Manager

## ROLE AND RESPONSIBILITIES

Doug served, or is serving, as the Contract Executive for each of the projects highlighted below. As the Contract Executive, he is the principal point of contact for the client and interacts with the owner, subcontractors and entire project team. Doug supervises Grunley's operations staff, oversees negotiations for the GMP and all changes, and oversees adherence to the design and construction schedule and budget. Doug oversees cost control procedures and directly supervises the safety and quality control program for the project. He actively participates in the preconstruction and construction phases as well as project planning and community meetings.

## RELEVANT PROJECT EXPERIENCE

### MOUNT DANIEL ELEMENTARY SCHOOL - RENOVATION AND NEW ADDITION

City of Falls Church | Falls Church, VA

Under a \$17.3 million PPEA contract, Grunley and Samaha provided preconstruction services for renovations and additions to the Mount Daniel Elementary School for their K-2 program. The scope of services during preconstruction includes design, constructability reviews, permit acquisition, value analysis, GMP development and subcontractor procurement as well as extensive community involvement. Construction, which is currently underway, includes exterior activities focused on utilities, stormwater management, landscaping, tree preservation, floodplain verification, parking/paving and other site improvements to meet permit requirements as well as a new facade, green roof and skylights. We are constructing an addition to the existing school and renovating over 65,000 SF of space for classrooms, offices and administrative activities; a new gymnasium; a new cafeteria, kitchen, and state-of-the-art media center.

### HERNDON HIGH SCHOOL RENOVATION AND ADDITIONS

Fairfax County Public Schools | Herndon, VA | **Featured Project Section G Past Projects - Contractor**

Grunley has been selected to perform the \$83.9 million renovation of the 292,193 SF Herndon High School in Fairfax County, Virginia and to construct a new two-story, 128,592 SF addition. The project, which will take place over a four-year period and involve four phases, includes the construction of the new addition to the existing library, classroom renovations and a new bus loop/visitor parking as well as additional classroom renovations, administrative space modernization, addition of a new art department and construction of a main gym locker. Grunley will perform upgrades to elevators, dining commons renovations and the main gym renovation and will construct new baseball/softball and football press boxes, a wrestling/gymnastics gym and music rooms. The final phase of the project will include renovating the shop wing, constructing new concessions/field support buildings and tennis courts, and renovating the cafeteria/kitchen. The scope of work includes hazardous material abatement; replacement of ceilings, flooring, and wall coverings; upgrades to HVAC and electrical systems; replacement of fire/life safety sys-

## Douglas CRUCE, DBIA, CQM-C

Contract Executive (continued)

tems; and upgrades to meet ADA-compliance requirements. All work will be performed while the school remains occupied by students, staff and administrators, which will require significant focus on separation of construction, indoor air quality, egress/ingress safety, and ensuring all systems remain operational throughout the project.

### SANDBURG MIDDLE SCHOOL RENOVATION AND ADDITIONS

Fairfax County Public Schools | Alexandria, VA | **Featured Project Section G Past Projects - Contractor**

Grunley performed a \$36.4 million phased, occupied renovation/addition to the 264,000 SF Sandburg Middle School. Grunley enlarged classrooms; modernized the gymnasium and cafeteria; replaced windows, doors and finishes; upgraded mechanical, electrical, fire/life safety, and telecommunications systems; and installed a new automatic sprinkler system. We constructed three additions totaling 6,000 SF. The first addition serves as the school's new administrative offices and main entry. The second addition features a gymnasium lobby, and the third addition links the existing building to the new facilities. Site work included reconfiguring a kiss and ride lot, utility and pavement work and landscaping.

### MCKINLEY ELEMENTARY SCHOOL

Arlington Public Schools | Arlington, VA

Grunley completed the \$17.8 million renovation and addition of McKinley Elementary School. The 102,000 SF project involved five phases of work over an 18-month period. The renovation included administrative offices, classrooms, a media center, a kitchen and a cafeteria, while the expansion entailed a three-story addition with a gymnasium, an entrance lobby, 14 classrooms and associated support spaces. The project also included extensive site and site system improvements. The construction was completed while school was in session at the adjacent, existing school building. The project achieved LEED® Silver Certification.

### ASHLAWN ELEMENTARY SCHOOL - RENOVATION AND NEW ADDITION

Arlington Public Schools | Arlington, VA

Grunley performed the \$16 million phased, occupied renovation/addition of the 69,668 SF, K-5 Ashlawn Elementary School. The new addition is a three-story steel structure (28,008 SF) with 15 classrooms and a new media center. In the existing building, we upgraded mechanical, electrical, plumbing and fire/life safety systems; added a new elevator and stairwell to allow access all levels of the renovated school from one location; and completely replaced the roofing system. We constructed and reconfigured classrooms to provide more educational space and added meeting rooms and specialty rooms. Site improvements included a new entry plaza and parent drop-off drive; reconfiguration of the field/track area and playground spaces; landscaping; and stormwater management facilities. BIM was used extensively to coordinate new systems integration with existing systems.

### FORT MYER CHILD DEVELOPMENT CENTER

U.S. Army Corps of Engineers | Fort Myer, VA

This \$17.6 million project involved the design and construction of a child development center on a secure military campus. The center was designed to accommodate ~500 infants to school-aged children. The new single-story steel frame structure is 51,000 SF. It features modules for infants, toddlers and preschoolers. In addition, the center has a computer lab, staff lounge, two commercial kitchens and rooms for multi-purpose activities, performing arts and crafts.

### NAVAL AIR STATION (NAS) PATUXENT RIVER CHILD DEVELOPMENT CENTER

Naval Facilities Engineering Command (NAVFAC) | Patuxent River, MD

Grunley and its joint venture partner served as the design/build contractor for a new \$15.5 million, 40,000 SF, single-story child development center. The facility provides child care, family home care, pre-school enrichment programs and before and after school programs for ~300 military personnel children. The new center was designed to allow plenty of natural light into the facility. The child activity rooms are inviting and provide a positive learning environment. Activity rooms are grouped by age, ranging from infant to toddler. Other spaces include support staff offices and a full service kitchen. The project earned LEED® NC 2.2 Silver certification.

## Douglas CRUCE, DBIA, CQM-C

Contract Executive (continued)

### BRAULT ADMINISTRATIVE BUILDING RENOVATION AND ADDITION

Northern Virginia Community College | Annandale, VA

Grunley provided preconstruction services for the design and construction of the Brault Building at Northern Virginia Community College. Following completion of the design and GMP, Grunley constructed a new 20,000 SF, \$11.1 million addition to the building and renovated the 28,000 SF existing structure. The new addition features an exterior curtainwall and includes all new electrical, mechanical, plumbing, and fire protection systems. Within the existing building, the elevator was refurbished with new mechanical equipment, cab interiors, and cab door; all windows were replaced; all new drywall partitions and finishes were installed; and the roof was replaced. The existing parking lot was demolished, expanded, and repaved. Rainwater capture tanks were installed to maintain run-off requirements. The project is seeking LEED® Silver for New Construction/Major Renovation.

### MONTGOMERY COLLEGE SCIENCE WEST RENOVATION

Montgomery College | Rockville, MD

In a joint-venture, Grunley is providing preconstruction and construction services for the \$22 million renovation and modernization of Montgomery College's 60,000 SF Science West Building. Preconstruction services include design assistance, constructability reviews, permit acquisition, value analysis, GMP development and subcontractor procurement. Upon acceptance of the GMP, Grunley will perform hazardous materials abatement and install infrastructure including site work and underground utilities connections. We will perform MEP systems replacement, fire/life safety upgrades and telecommunications and IT installations. Grunley will add a two-story enclosed walkway to the Science West Building to connect it to Science East Building and upgrade existing facilities to meet ADA requirements.

### MONTGOMERY COLLEGE STUDENT SERVICES BUILDING

Montgomery College | Rockville, MD

Grunley was selected to construct the new \$49.5 million, five-level, 139,450 SF Student Services Center for Montgomery College. The three-phase project also requires demolition of the existing Student Services Building and site restoration to provide an open, central courtyard for the campus. The steel/masonry building, which will comprise four levels above grade and a basement level, is being constructed on the occupied and fully operational college campus. The building will feature a complex glass curtainwall system with cast-in place and concrete masonry back-up cavity walls. Two types of masonry veneer, louvered sunshading and operable casement windows will be featured on the exterior and a 2,300 SF green roof will complement the metal roofing and canopies. Extensive site utilities include connection of a new 12-inch water main, 8-way ductbank, new sanitary pipe, all of which require excavation across North Campus Drive, the campus' main thoroughfare. New hot water and chilled water lines will replace a portion of the existing utility trench and Grunley will replace the existing parking lot. Grunley will perform 3D BIM modeling and provide live files for the ongoing maintenance of the facility following commissioning and turnover. The project is seeking LEED® NC Gold Certification.



## Mark Laudo, AIA

Design/Build Project Manager

Mark Laudo has over 31 years of progressive experience in the construction industry. His past experience has included all aspects of design and construction processes including Design Architect, Construction Project Manager for numerous design-build projects and Vice President of Operations for a structural concrete firm. This range of experience and detailed construction knowledge enhance his management of the design and preconstruction process to ensure the best value for the customer in terms of cost, schedule and constructibility.

### EDUCATION

- BArch, Pennsylvania State University, 1986
- Design-Build Institute of America Core Curriculum Course, 2013

### LICENSE/ CERTIFICATIONS

- Registered Architect, Commonwealth of Virginia
- OSHA 30-Hour

### YEARS OF CONSTRUCTION EXPERIENCE

- 32 years

### LAST EMPLOYER

- Baker DC

### LAST POSITION

Vice President

### ROLE AND RESPONSIBILITIES

Mark served, or is serving, as the Design/Build Project Manager for each of the projects highlighted below. As the Design/Build Project Manager, he leads design evaluations, value engineering efforts and constructibility reviews to achieve the required GMP for each of Grunley's design/build and CM at Risk projects. Mark evaluates price proposals; manages the schedule during preconstruction; and works with the architect, estimating and purchasing teams to smoothly transition Grunley's projects from preconstruction to construction.

### RELEVANT PROJECT EXPERIENCE

#### MOUNT DANIEL ELEMENTARY SCHOOL - RENOVATION AND NEW ADDITION

City of Falls Church | Falls Church, VA

Under a \$17.3 million PPEA contract, Grunley and Samaha provided preconstruction services for renovations and additions to the Mount Daniel Elementary School for their K-2 program. The scope of services during preconstruction includes design, constructability reviews, permit acquisition, value analysis, GMP development and subcontractor procurement as well as extensive community involvement. Construction, which is currently underway, includes exterior activities focused on utilities, stormwater management, landscaping, tree preservation, floodplain verification, parking/paving and other site improvements to meet permit requirements as well as a new facade, green roof and skylights. We are constructing an addition to the existing school and renovating over 65,000 SF of space for classrooms, offices and administrative activities; a new gymnasium; a new cafeteria, kitchen, and state-of-the-art media center.

#### MCKINLEY ELEMENTARY SCHOOL

Arlington Public Schools | Arlington, VA

Grunley completed the \$17.8 million renovation and addition of McKinley Elementary School. The 102,000 SF project involved five phases of work over an 18-month period. The renovation included administrative offices, classrooms, a media center, a kitchen and a cafeteria, while the expansion entailed a three-story addition with a gymnasium, an entrance lobby, 14 classrooms and associated support spaces. The project also included extensive site and site system improvements. The construction was completed while school was in session at the adjacent, existing school building. The project achieved LEED® Silver Certification.

#### EAST CAMPUS BUILDING - MARINE CORPS (ECB-MC)

U.S. Army Corps of Engineers, Baltimore District | Fort Meade, MD

Grunley, in a joint venture, is completing the final stages of a \$91.6 million design/build contract for the new construction of the ECB-MC Command Center at Fort Meade, MD for the U.S. Marine Corps. The 159,000 SF, multi-story facility is being constructed of spread footing and grade beam foundation with cast-in-place concrete beam and a structural steel frame system with a combination of high-performance glass curtainwall, metal panel



**MARK** Laudo, AIA

Design/Build Project Manager

and granite. The project consists of a core and shell structure and foundations; elevator conveyance systems; electrical/mechanical service and distribution components/systems; fire protection alarm/suppression; information technology infrastructure, communications, and security systems support infrastructure. The interior includes raised access floor systems, acoustically-rated interior partitions and ceilings, power, lighting, environmental control and communications. Site preparation including clearing, excavation, roadways, curbs, sidewalks, landscaping, fencing, and storm water management are included. All work is being performed on the occupied Fort Meade Campus and all utilities connections required maintaining campus operations at all times.

**AMERICAN ENTERPRISE INSTITUTE HEADQUARTERS RENOVATION AT 1789 MASSACHUSETTS AVENUE, NW****American Enterprise Institute | Washington, DC**

Grunley provided preconstruction services for the new headquarters of the American Enterprise Institute at 1789 Massachusetts Avenue NW, Washington, DC. The building, formally known as the Andrew Mellon Building (c. 1915), is a National Historic Landmark and is listed on the National Register of Historic Places and DC's Inventory of Historic Sites. Our preconstruction scope included constructibility input and cost estimates throughout the design process. We performed laser scanning to document existing conditions and developed the systems upgrades phasing plan using BIM technology. We completed an \$80.4 million modernization to this five-story, 68,000 SF building. We excavated, underpinned and constructed a new level below the existing sub-basement, bringing the total building space to 90,000 SF, and installed a new central core structure up through the building and reinforced the existing steel frame to accommodate a new penthouse level. During the project, we installed new MEP, fire/life safety, and telecommunications systems in the existing historic spaces and preserved the historic design elements. We repaired and restored the highly detailed limestone façade, restore elevators, repair/replace historic windows and replaced the roof.

**ST. ELIZABETHS PHASE 1B ADAPTIVE REUSE****U.S. General Services Administration | Washington, DC**

During the completion of this \$84 million project, Grunley performed the adaptive reuse and historic restoration of six buildings totaling 75,420 square feet that are part of the original main St. Elizabeths campus and constructed 46,000 square feet of new space. The St. Elizabeths site was constructed in the late 1800s on over 176 acres and is a National Historic Landmark. Grunley was responsible for the renovation and modernization of the theatre building, the dining hall and kitchen, the ice house, and the construction shop building, as well as office and conference spaces in additional buildings. The scope of work included selective demolition, asbestos and lead abatement, MEP and life safety upgrades, façade restoration/bracing, and historic restoration/replication. Historic elements, mature trees and landscape features were preserved during the construction process. We constructed a new modular utilities plant that provides utilities for buildings throughout the campus. BIM modeling was being used to give the client a better understanding of what to expect during the construction process. The project is seeking LEED® v2.2 Gold Certification.

**ST. ELIZABETHS HISTORIC CENTER BUILDING****U.S. General Services Administration | Washington, DC**

Grunley is currently finishing the final touches for the \$175 million design/build modernization of the Historic Center Building at St. Elizabeths Campus in Washington, DC to serve as the new headquarters of the U.S. Department of Homeland Security. The Center Building is a National Historic Landmark (NHL) and the entire St. Elizabeths Campus is listed on the National Register of Historic Place. To modernize this 270,000 SF, circa 1852 building, Grunley and the A/E completed the design for architectural and infrastructure engineering from bridging documents; developed historic preservation, construction and commissioning plans; and supported Section 106 consultations and reviews by DC State Historic Preservation Office, the National Capital Planning Commission, the U.S. Commission of Fine Arts and various other agencies for the planned design. For the demolition phase, our team was required to ensure that selective demolition did not disturb the exterior walls, which are one of the contributing features of the NHL designation. To achieve the goal, the walls were reinforced with 420 tons of steel connected through the window openings to an external bracing system which allowed us to perform interior excavation, pour the concrete mat slab, and completely rebuild the interior structure. We installed complete mechanical, electrical, plumbing, IT/ telecom, fire/life safety and security systems before performing an interior fit-out throughout the building. This GSA Design Excellence Program project is seeking LEED® Gold Certification.



## F. Thomas Lee, AIA, LEED® AP, ICC

Design Principal In Charge

With over 29 years of professional experience at Samaha, Mr. Lee has served as a principal during all phases of the architectural design process for an array of educational facilities. In this capacity, Mr. Lee will provide design oversight throughout each project and will lead the effort in an open collaborative discussion from start to finish. His work with schools spans his career and enables our team to offer creative, cost effective, and environmentally sound design solutions for your project.

### EDUCATION

- University of Colorado, Master of Architecture, 2001
- Clemson University, Bachelor of Science, Design, Architecture, 1993

### LICENSE/ REGISTRATIONS

Architecture: VA, MD, DC

### ORGANIZATIONS

- The National Council of Architectural Review Boards (Current)
- U.S. Green Building Council - National Capital Region Board of Directors and Chairman of the Advocacy Committee (2006-2007)
- American Institute of Architects (Current)
- AIA - Architecture in the Schools (Current)
- ACE Mentor Program of the Greater Washington Metropolitan Area, Inc. - Mentor at Woodson High School (2015-Current)

### YEARS OF EXPERIENCE

- 29 years

### YEARS WITH FIRM

- 29 years

### RELEVANT PROJECT EXPERIENCE

- Auburn Middle School, Warrenton, VA
- Broad Run High School, Ashburn, VA
- Chantilly High School, Chantilly, VA
- Congressional Schools of Virginia, VA
- Cunningham Park Elementary School, Vienna, VA
- Elkridge Landing Middle School, Elkridge, MD
- Fairfax County Public Schools Facility Assessment, VA
- Fauquier High School Accessible Entrance, Warrenton, VA
- Forestville Elementary School, Great Falls, VA
- Fort Belvoir Elementary School, Fort Belvoir, VA
- George C. Marshall High School, Falls Church, VA
- Great Falls Elementary School, Great Falls, VA
- Hayfield Secondary School, Alexandria, VA
- Kilmer Middle School & Kilmer Center, Vienna, VA
- Lake Braddock Secondary School, Burke, VA
- Liberty Middle School, Clifton, VA
- Loudoun County High School, NJROTC, Leesburg, VA
- Loudoun County High School, Partial Re-roof, Leesburg, VA
- Loudoun County Prototype High School, Leesburg, VA
- Loudoun Valley High School, Purcellville, VA
- Mayfield Woods Middle School, Elkridge, MD
- Mount Daniel Elementary School, Falls Church, VA
- Northwest County Elementary School, Herndon, VA
- Rachel Carson Middle School, Herndon, VA
- Sherwood High School, Sandy Spring, MD
- Virginia Hills Elementary School, Alexandria, VA
- Wakefield School, The Plains, VA
- Warrenton Middle School, Warrenton, VA

# F. Thomas Lee, AIA, LEED AP, ICC

Design Principal In Charge (continued)

## **MOUNT DANIEL ELEMENTARY SCHOOL - RENOVATION AND NEW ADDITION**

**City of Falls Church | Falls Church, VA**

Under a \$17.4 million contract, Samaha has provided design and construction administration services for renovations and additions to the Mount Daniel Elementary School for their K-2 program. The scope included an addition to the existing school and renovation of over 65,000 SF of space for classrooms, offices and administrative activities; a new gymnasium; a new cafeteria, kitchen, and state-of-the-art media center. Exterior design considerations included relocation of utilities, stormwater management, landscaping, tree preservation, floodplain verification, parking/paving and other site improvements to meet permit requirements as well as a new facade, green roof and skylights.



## Paul Falkenbury, AIA, RFPF

Project Architect

As our Principal Educational Designer, Mr. Falkenbury will provide oversight throughout the project and will lead the effort in an open collaborative discussion throughout the concept design, schematic design, and community outreach process. Mr. Falkenbury is a Recognized Education Facility Planner who has designed numerous award winning schools. He will bring that experience to initiate creative solutions for the George Mason High School project. His talent and experience as a progressive designer and planner will ensure that Falls Church City Public Schools receives a level of service that is commensurate with the academic excellence of your students and the dedicated performance of your staff.

### EDUCATION

- Virginia Polytechnic Institute & State University  
Master of Architecture,  
1992
- North Carolina State  
University, Bachelor of  
Environmental Design,  
1985

### LICENSE/ REGISTRATIONS

Architecture: VA, MD, DC

### ORGANIZATIONS

- The National Council  
of Architectural Review  
Boards (Current)
- American Institute of  
Architects
- Association for Learning  
Environments (A4LE)  
(Formerly CEFP)
- AIA-School Building  
Week Mentor
- AIA-Architecture in the  
schools
- Association of Builders  
and Contractors - Judge
- George Washington  
University - Volunteer  
Teache
- Cross-Agency Work  
Group on School Design  
Options - Montgomery  
County Public Schools
- Association of School  
Building Official

### YEARS OF EXPERIENCE

- 29 years

### YEARS WITH FIRM

- 24 years

### RELEVANT PROJECT EXPERIENCE

- Alt. Education School, Manassas, VA
- Arlington ES, Baltimore, MD
- Arthur Middleton ES, Waldorf, MD
- Auburn Middle School, Warrenton, VA
- Barrett ES, Arlington, VA
- B-CC MS #2, Bethesda, MD
- Broad Run HS, Ashburn, VA
- Burtonsville ES, Burtonsville, MD
- Cabin John MS, Potomac, MD
- Calvin M. Rodwell ES, Baltimore, MD
- Cross Country ES/MS, Baltimore, MD
- Daniels Run ES, Fairfax, VA
- Dr. Gustavus Brown ES, Waldorf, MD
- Dulaney HS, Timonium, MD
- Eva Turner ES, Waldorf, MD
- FCPS Facility Assessment, VA
- Fort Belvoir ES, Fort Belvoir, VA
- Gaithersburg HS, Gaithersburg, MD
- Great Falls ES, Great Falls, VA
- Hayfield SS, Alexandria, VA
- Henry E. Lackey HS, LaPlata, MD
- Jackson Road ES, Bethesda, MD
- John Ruhrah ES/MS, Baltimore, MD
- Kilmer MS & Kilmer Ctr, Vienna, VA
- Loudoun County Prototype HS, VA
- Indian Head ES, Indian Head, MD
- Lake Braddock SS, Burke, VA
- MacFarland MS, Washington, DC
- North Bethesda MS, Bethesda, MD
- Northwest HS, Germantown, MD
- Northwood HS, Rockville, MD
- Nottingham ES, Arlington, VA
- Nysmith School, Herndon, VA
- Pimlico E/MS, Baltimore, MD
- Rock Terrace School, Rockville, MD
- Sherwood HS, Sandy Spring, MD

# Paul H. Falkenbury AIA, REFP (continued)

Project Architect (continued)

- Thomas Stone HS Waldorf, MD
- Thomas S. Wootton HS, Rockville, MD
- Tilden MS Rockville, MD
- Tuckahoe ES, Arlington, VA
- Walter Johnson HS, Bethesda, MD
- Watkins Mill HS, Gaithersburg, MD
- Westminster School, Annandale, VA

## **MOUNT DANIEL ELEMENTARY SCHOOL - RENOVATION AND NEW ADDITION**

**City of Falls Church | Falls Church, VA**

Under a \$17.4 million contract, Samaha has provided design and construction administration services for renovations and additions to the Mount Daniel Elementary School for their K-2 program. The scope included an addition to the existing school and renovation of over 65,000 SF of space for classrooms, offices and administrative activities; a new gymnasium; a new cafeteria, kitchen, and state-of-the-art media center. Exterior design considerations included relocation of utilities, stormwater management, landscaping, tree preservation, floodplain verification, parking/paving and other site improvements to meet permit requirements as well as a new facade, green roof and skylights.



## Randy Morrison, RA

Design Project Manager

As the Project Manager for Mr. Morrison will work directly with Falls Church City Public Schools to establish programmatic goals, budget and schedule. Mr. Morrison will be responsible for the planning, technical quality and timely completion of the project. He will also provide leadership for the day-to-day activities of all staff. Mr. Morrison will focus the proper management skills and technical abilities to ensure design and production quality, as well as cost control and adherence to the project schedule.

### EDUCATION

- Virginia Polytechnic Institute & State University  
Bachelor of Architecture,  
1990

### LICENSE/ REGISTRATIONS

- Architecture: VA,
- ICC - Accessibility Inspector/Plans Examiner

### YEARS OF EXPERIENCE

- 31 years

### YEARS WITH FIRM

- 19 years

### RELEVANT PROJECT EXPERIENCE

- Alternate Education School, Manassas VA
- Alternate Education School, Manassas VA
- Auburn Middle School, Warrenton, VA
- Bethesda-Chevy Chase Middle School #2, Bethesda, MD
- Cabin John Middle School, Potomac, MD
- Daniels Run Elementary School, Fairfax, VA
- Dulaney High School, Timonium, MD
- Gaithersburg High School, Gaithersburg, MD
- Great Falls Elementary School, Great Falls, VA
- Hayfield Secondary School, Alexandria, VA
- Henry E. Lackey High School, Indian Head, MD
- Jackson Road Elementary School, Silver Spring, MD
- Kilmer Middle School & Kilmer Center, Vienna, VA
- Mount Daniel Elementary School, Falls Church, VA
- North Bethesda Middle School, Bethesda, MD
- Northwest High School, Germantown, MD
- Northwood HS Wellness Center, Silver Spring, MD
- Nottingham Elementary School, Arlington, VA
- Pimlico Elementary/Middle School, Baltimore, MD
- Rock Terrace School, Rockville, MD
- Sherwood High School, Sandy Spring, MD
- Thomas S. Wootton High School, Rockville, MD
- Tilden Middle School, Rockville, MD
- Tuckahoe Elementary School, Arlington, VA
- Walter Johnson High School, Bethesda, MD



# Thomas Bizzarri, CQM-C

Construction Project Manager

Tom Bizzarri has 11 years of experience in the construction industry predominantly focused on K-12 projects ranging from \$100,000 to over \$330 million. He served as the Operations Manager for a local construction company, and as a result has been involved in 61 public school projects, seven parks, six apartment buildings, four hospitals, and two federal buildings in varying capacities.

## ROLE AND RESPONSIBILITIES

Tom served, or is serving, as the Construction Project Manager for each of the projects highlighted below. As the Construction Manager, he is responsible for tracking RFIs, submittals, costs, and procurement as well as the overall delivery of the project. He is dedicated full-time to each project, on-site to review progress and meet with the on-site team, and has full authority to commit corporate resources, personnel, and equipment to meet the requirements of the project.

## RELEVANT PROJECT EXPERIENCE

### FAIRMONT HEIGHTS HIGH SCHOOL REPLACEMENT

Prince George's County Public Schools | Hyattsville, MD

*Featured Project Section G Past Projects - Contractor*

Grunley constructed the new \$80.6 million Fairmont Heights High School in Prince Georges County, MD. The new 193,000 SF school is a compact, clearly organized, two-story structure with multiple roof levels and an open central spine separating academic and administrative areas from the full-size gymnasium, cafeteria and auditorium. The school is organized in career clusters to provide smaller learning communities in which students remain with the same teachers for two to four of their high school years. It was designed around 50 teaching stations, organized in three career clusters: Health, Bio-Tech and Biosciences; Business Management, Finance and Consumer Services; and Hospitality and Tourism. The school will provide spaces for Special Education Services, Air Force Junior ROTC, performing arts, athletics and physical education instruction as well as on-site food preparation, administrative and guidance service, health services with a school nurse and custodial services. Site improvements comprise new athletic facilities including a stadium, soccer field, baseball field, and the associated field houses; concessions; and support facilities. New parking, entrances, and bus lanes were provided and significant site utilities, including a new stormwater management system, were installed. To maximize the potential use of the school by different community groups, the building required easily secured zones with independent entrances for the academic, cultural, and recreational areas. The project was constructed to achieve LEED® NC Gold v3.0 certification.

*"Senior Project Manager, Tom Bizzarri's management of the Grunley Team has been exceptional. His skill at steering the team in a purposeful and deliberate manner towards the goal is exemplary. I believe that becoming a leader is about developing a reputation for producing value-added results. This means being solutions-based, seeking opportunities that promote the project objective and acting as a resource-partner to Owners---Tom possesses all of these characteristics." (Commendation from Nadine Belzair, Prince George's County Public Schools, August 16, 2016)*

### BALLOU SENIOR HIGH SCHOOL REPLACEMENT

DC Department of General Services | Washington, DC

This project involved the \$150 million modernization of the 356,000 SF Ballou Senior High School in Washington, DC. The project, which was performed using the CM at Risk contract method, involved phased construction of a new high school while the existing school remained occupied. The new main academic building, gymnasium, auditorium, natatorium, and athletic field area were constructed on the site; the existing school was demolished;

#### EDUCATION

- B.S., Building Construction, Virginia Polytechnic and State University, 2007

#### LICENSE/ CERTIFICATIONS

- U.S. Army Corps of Engineers Construction Quality Management for Contractors Program, Certified
- OSHA 30-Hour, Certified
- First Aid & CPR, Certified

#### YEARS OF CONSTRUCTION EXPERIENCE

- 11 years

#### LAST EMPLOYER

- Chiamonte Construction Company

#### LAST POSITION

- Business Development

## Thomas Bizzarri, CQM-C

Construction Project Manager (continued)

and new athletic fields were added. The modernized capacity accommodates 1,570 students. To avoid the costs and disruption of relocating the existing school population, the new school was constructed in two phases. During the first phase, the new school building was built in the location of the existing football stadium. During the second phase, the existing school was demolished and the new stadium and other site work were constructed in the vicinity of the existing school. Sustainable design is a key feature of the project, targeted to achieve LEED® Gold certification. Notable sustainable strategies include a geothermal water-source heat pump for heating and cooling, energy recovery units, exterior shading, high efficiency glazing, photo-voltaic arrays, rainwater harvesting, and enhanced lighting controls.

### H.D. WOODSON HIGH SCHOOL REPLACEMENT

DC Department of General Services | Washington, DC

H.D. Woodson High School, located in the northeastern neighborhood of Marshall Heights, was once an imposing eight-story, 1960s-era concrete building, but as part of a \$102 million modernization, it was demolished and rebuilt from the ground up. The 230,000 SF high school features a new swimming pool, a 1,000 person auditorium, and a flexible floor plan which allows classes to be combined when needed. It also incorporates many sustainable features including green roofs, abundant daylighting, and other green elements. The new school was designed to encompass the STEM curriculum with all academic spaces configured to meet the needs of this unique pedagogy focused on integrated learning in the fields of Science, Technology, Engineering and Mathematics. One of the biggest challenges of the roof installation was the very tight timeframe. The school was constructed on an accelerated schedule. Because it was the first new school in Washington, DC in decades it was a high profile project. The new school is LEED® Gold Certified.

### EASTERN HIGH SCHOOL RENOVATION

DC Department of General Services | Washington, DC

This project involved the \$85million CM at Risk renovation of Eastern Senior High School, originally built in 1923. This project updated the facility to better meet the needs of the community, as well as District of Columbia Public School standards. Work included restoration of the grand facade and updates to all interior spaces, including the enclosure of a courtyard, to create a commons area. Additionally, updates and upgrades to all mechanical systems improved overall building efficiency and decreased operating costs. Restoration of the building's high ceilings and original window designs brought back the old school charm, while offering modernized classrooms and improved learning environments. Eastern High School was designed to achieve LEED® Silver certification but achieved LEED® Gold through specific construction waste management implementations.

### PHELPS HIGH SCHOOL RENOVATION

DC Department of General Services | Washington, DC

This \$65 million CM at Risk project involved the modernization of the Phelps Architecture, Construction and Engineering High School, part of a district-wide initiative to revamp the Washington, DC public school system. The project involved three school buildings and included renovations and additions totaling 146,500 SF. Additions included a welcome center, administrative wing, a gym, cafeteria, auditorium, greenhouse and classrooms for horticulture, art and music. The school also added the glass-enclosed "Phelps Commons" as a meeting space to connect the original buildings. Energy-efficient systems and other sustainable elements were included in the construction.

### JOHNSON MIDDLE SCHOOL RENOVATION

DC Department of General Services | Washington, DC

This project involved a \$25 million renovation to Johnson Middle School in Washington, DC's Ward 8. The project, which was performed using a CM at Risk contract method, involved phased, occupied renovations and additions that included interior renovations to classrooms; media center; administrative offices; the main entrance; and HVAC.





# Rick Welch, CQM-C

Construction Superintendent

Rick Welch has 33 years of construction experience in the general contracting industry and has experience supervising new construction and renovation/addition projects on active campuses. His experience includes multi-story, new construction projects on tightly constrained sites with active community involvement as well as projects requiring separation of construction on K-12 campuses.

## ROLE AND RESPONSIBILITIES

Rick has served, or is serving, as the Construction Superintendent for each of the projects highlighted below. In this role, Rick will oversee the construction site and direct the material, tools, equipment and labor used to complete construction activities. He will supervise field employees and self-performed work, and manage and coordinate subcontractor activities. He will meet routinely with the owner, tenant and construction manager to review the two-week look-ahead schedule. Rick will resolve coordination issues, lead toolbox meetings, hold foreman’s meetings, and be the point of contact for all field related activities. He will review the documents and existing conditions, provide for the early identification of RFIs, and facilitate proper execution of the work. He will have full authority to commit resources to meet the needs of the project. He will be dedicated full-time, on-site for the duration of the project.

## RELEVANT PROJECT EXPERIENCE

### FAIRMONT HEIGHTS HIGH SCHOOL REPLACEMENT Prince George’s County Public Schools | Hyattsville, MD

**Featured Project Section G Past Projects - Contractor**

Grunley constructed the new \$80.6 million Fairmont Heights High School in Prince Georges County, MD. The new 193,000 SF school is a compact, clearly organized, two-story structure with multiple roof levels and an open central spine separating academic and administrative areas from the full-size gymnasium, cafeteria and auditorium. The school is organized in career clusters to provide smaller learning communities in which students remain with the same teachers for two to four of their high school years. It was designed around 50 teaching stations, organized in three career clusters: Health, Bio-Tech and Bio-sciences; Business Management, Finance and Consumer Services; and Hospitality and Tourism. The school will provide spaces for Special Education Services, Air Force Junior ROTC, performing arts, athletics and physical education instruction as well as on-site food preparation, administrative and guidance service, health services with a school nurse and custodial services. Site improvements comprise new athletic facilities including a stadium, soccer field, baseball field, and the associated field houses; concessions; and support facilities. New parking, entrances, and bus lanes were provided and significant site utilities, including a new stormwater management system, were installed. To maximize the potential use of the school by different community groups, the building required easily secured zones with independent entrances for the academic, cultural, and recreational areas. The project was constructed to achieve LEED® NC Gold v3.0 certification.

### ANACOSTIA HIGH SCHOOL

**DC Department of General Services | Washington, DC**

This project involved the modernization and adaptive reuse of a 250,000 SF school to provide both high-school level and higher education courses. The \$50 million High School Complex included complex MEP systems, installation of a new air barrier and complex curtainwall system, ADA compliance improvements, site work, connections to existing utilities, code compliance throughout construction, improvements to telecommunications/IT

#### EDUCATION

- High School Graduate

#### LICENSE/ CERTIFICATIONS

- U.S. Army Corps of Engineers Construction Quality Management for Contractors Program, Certified
- OSHA 30-Hour, Certified
- First Aid & CPR, Certified

#### YEARS OF CONSTRUCTION EXPERIENCE

- 33 years

#### LAST EMPLOYER

- Bozzuto Company

#### LAST POSITION

- Senior Project Superintendent

## Rick Welch, CQM-C

Construction Superintendent (continued)

systems, and installation of FF&E. The project was completed while the school remained open and fully operational. The central plant was completely replaced.

### 5333 CONNECTICUT AVENUE, NW

Calvin Cafritz Enterprises | Washington, DC

Grunley constructed a new 299,600 SF, nine-story, high-end apartment building with two levels of garage parking in a residential neighborhood just south of Chevy Chase Circle. This \$55.5M property, completed using a CM at Risk contract methodology, was designed as a cast-in-place concrete structure with glass curtainwall and high-efficiency systems. This luxury apartment building consists of 262 units averaging 900 SF per unit and includes 1- and 2-bedroom floor plans. The building features retail space and dining. This cast-in-place concrete structure features a complex air barrier, glass curtain-wall with metal panels, sustainable design features, a green roof, high-efficiency building systems and high-end finishes as well as a Capital Bike Share station. The residential project included complex site logistics, planning and construction phase coordination with active adjacent building services and deliveries. Material and equipment deliveries were scheduled to ensure minimal disruption of the traffic flow on Connecticut Avenue. In addition, the project was constructed in a highly populated residential area of Northwest Washington, DC with a very active and interested neighborhood coalition. Grunley worked closely with the owner, developer, and A/E to communicate construction schedules and activities with the Advisory Neighborhood Commission (ANC).

### JOHNS HOPKINS HOSPITAL MEYER BUILDING RENOVATION

Johns Hopkins Hospital Systems | Baltimore, MD

Grunley Mascaro is completing an extensive \$42M renovation to the Johns Hopkins Hospital Meyer Building located on the East Baltimore campus. We are providing infrastructure upgrades on this 72,592 SF, 12-story building, including the replacement of MEP systems serving the entire building and construction of a new low voltage IT shaft on the east face of the building exterior. Upgrades to the central plant facility are being performed. We will replace the concrete floor slab in a portion of the subbasement, waterproof the Meyer Courtyard adjacent to the west side of the building, and perform modifications to the east face of the building including air barrier installation. The renovations include complete interior demolition and fit-out of the patient and therapy rooms. We incorporated interior renovations to inpatient units on floors 7, 8, and 9 and associated support space. New flooring and ceilings were installed in all rooms and new finishes were incorporated throughout. We provided interior upgrades to the 1st floor public space. Floors 3 through 6 house active inpatient units and floors B through 6 house a number of active lab spaces. The spaces in from the subbasement up through the 8th also contain numerous outpatient operations and physician offices. All noted areas remain occupied throughout the renovation and hospital functions on all floors must be maintained.

### TURNBERRY TOWERS

Turnberry Associates | Las Vegas, NV

This \$400 million project involved the construction of two 45-story luxury high-rise condominium towers with a 5-story parking structure, gate house, tennis courts and pools. The residential project included complex site logistics, planning and construction phase coordination with active adjacent building services and deliveries. Material and equipment deliveries were scheduled to ensure minimal disruption of the traffic flow and separation of construction from surrounding facilities was critical.

### FONTAINEBLEAU

Fountainbleau Resorts | Las Vegas, NV

This \$2.9 billion project involved the construction of a 7.2 million SF, 68-story casino with 3,815 rooms. The project also involved the construction of a convention center and a 7-acre pool deck 72 feet above the Las Vegas strip. The mixed-use project required planning and execution for complex site logistics as well as coordination with active adjacent building services and deliveries. Material and equipment deliveries were scheduled to ensure minimal disruption of the traffic flow and separation of construction from surrounding facilities was critical.



## Randal Beard, AIA

Design Quality Control Manager

Mr. Beard brings over 27 years of quality control experience to our team. He will serve as independent quality review, bringing a fresh set of eyes to the project as we progress. Mr. Beard thoroughly understands the specific quality control needs for school projects.

### EDUCATION

- Virginia Polytechnic Institute & State University  
Bachelor of Architecture,  
1990

### LICENSE/ REGISTRATIONS

Architecture: VA,  
ICC - Accessibility In-  
spector/Plans Examiner

### YEARS OF EXPERIENCE

- 27 years

### YEARS WITH FIRM

- 1 year

### RELEVANT PROJECT EXPERIENCE

- Alexandria City Public Schools, Roof Replacements, VA\*
- Alexandria Country Day School, Alexandria, VA\*
- Burke & Herbert Bank, Alexandria, VA\*
- Central Warehouse Addition, Stafford, VA\*
- CS Monroe Tech Ctr ADA Improvements, Leesburg, VA\*
- Douglass Alternate School ADA Improvements, Leesburg, VA\*
- Dulaney High School, Timonium, MD
- Featherstone Elementary School, Woodbridge, VA\*
- Gainesville District Fire Station #4, Gainesville, VA
- International Monetary Fund, Washington, DC\*
  - Cooling Tower Steel Repairs/Replacement
  - Parking Garage Restoration
  - HQ Building, Exterior Limestone Restoration and Cleaning
- Keene Mill Elementary School, Springfield, VA\*
- Longwood University, Farmville, VA\*
  - Blackwell Dining Hall
  - Hiner Building
  - Longwood House
  - Ruffner Building
  - Wygal and Bedford Buildings
- Loudoun County High School, Concept Design, Leesburg, VA
- Loudoun County High School, NJROTC, Leesburg, VA
- Pimlico Elementary/Middle School, Baltimore, MD
- Punita Group Showroom & Warehouse, Sterling, VA
- Pupil Transportation Office Building, Stafford, VA\*
- River Oaks Elementary School, Woodbridge, VA\*
- Riverside High School, Leesburg, VA\*
- Stafford Senior High School, Stafford, VA\*
- Thomas Jefferson Elementary School, Falls Church, VA\*
- Tuscarora High School, Leesburg, VA\*
- Waverly Elementary School, Ellicott, MD\*
- White Oaks Elementary School, Burke, VA\*
- Wolf Trap Farm Park, Filene Center Roof Repairs, Vienna, VA\*
- Woodgrove High School, Purcellville, VA\*



# Candace Litchford, IIDA, LEED® AP

Interior Designer

As an Interior Designer with over 24 years of experience, Ms. Litchford has completed numerous fire station projects. Ms. Litchford is involved in projects from inception through construction completion. Ms. Litchford understands the complexity of developing furniture systems, customizing each solution to the specific project.

## EDUCATION

- Virginia Polytechnic Institute & State University  
Bachelor of Architecture,  
Minor: Interior Design,  
1991

## LICENSE/ REGISTRATIONS

IIDA, International Interior Design Association

## YEARS OF EXPERIENCE

- 25 years

## YEARS WITH FIRM

- 3 years

## LAST EMPLOYER

- HGA

## LAST POSITION

- Senior Associate

## RELEVANT PROJECT EXPERIENCE

- Alternate Education School, Manassas VA
- Bethesda-Chevy Chase Middle School #2, Bethesda, MD
- Mount Daniel Elementary School, Falls Church, VA
- North Bethesda Middle School, Bethesda, MD
- Pimlico Elementary/Middle School, Baltimore, MD
- Rock Terrace School, Rockville, MD
- Tilden Middle School, Rockville, MD
- Tuckahoe Elementary School, Arlington, VA
- Walter Johnson High School, Bethesda, MD
- Alternate Education School, Manassas VA
- Arlington Elementary School, Baltimore, MD
- Congressional Schools of Virginia, Falls Church, VA
- Dulaney High School, Timonium, MD
- George Mason University, Fairfax, VA\*
  - Campus Public Safety Office - Renovation
  - IDIQ Academic VI - Multiple Tenant Fit-Outs
  - School of Management - Study
- Mount Daniel Elementary School, Falls Church, VA
- Northern Virginia Community College, VA, Northern VA\*
  - Arts and Sciences Building - FF& E Renovation, Woodbridge, VA
  - Black Box Theater - Renovation, Woodbridge, VA
  - Brault Building - FF&E, Annandale, VA
  - Faculty Lounge - Renovation, Annandale, VA
  - Phase II and Phase III - Renovation, Manassas, VA
  - Workforce Development Building - FF&E, Woodbridge, VA
- Pimlico Elementary/Middle School, Baltimore, MD



# Ashley Beesam, PE

Civil Engineer

Ms. Beesam serves as the Civil Engineering Team Leader in ADTEK's Fairfax, VA office. Throughout her career, Ms. Beesam has been responsible for the preparation and coordination of construction drawings for public, residential and commercial projects, as well as feasibility analysis and preliminary plans. She is experienced in the design of sanitary sewer, storm sewer, water systems, roads, site grading and erosion/sediment control. She is also skilled at stormwater management, best management practices and floodplain analysis/studies. She has completed dozens of projects throughout multiple counties and jurisdictions in Northern Virginia. Ms. Beesam interacts daily with clients, sub-consultants, engineers and reviewers.

## EDUCATION

- Bachelor of Science  
2003 Civil Engineering  
University of Virginia

## LICENSE/ REGISTRATIONS

- Professional Engineer VA  
0402-043700
- LEED Accredited Professional BD+C 2009

## YEARS OF EXPERIENCE

- 14 years

## YEARS WITH FIRM

- 5 years

## RELEVANT PROJECT EXPERIENCE

### JESSIE THACKERAY PRESCHOOL

City of Falls Church | Falls Church, VA

Ms. Beesam, as ADTEK Civil Team Leader, provided engineering design services for this project, in which ADTEK provided civil engineering for renovations to the existing facility to accommodate approximately 7,350-sf of program space. Civil engineering services included inspection of the project site and evaluation of existing conditions; review of all relevant City of Falls Church zoning codes and design requirements that may affect the process for approval and permitting of site improvements; pre-design meeting with the City of Falls Church Planning and Zoning officials to discuss the project and determine the correct process for review and approval of building and site construction documents, and to discuss any areas of special concerns or requirements; and provide civil engineering services in support of architectural design services to meet the CDC space program requirements (building renovation or additions).

### BAILEY'S ELEMENTARY SCHOOL FOR THE ARTS AND SCIENCES

Fairfax County | Falls Church, VA

Ms. Beesam provided civil engineering services including permit review coordination and construction administration for the Bailey's Elementary School project that consists of the comprehensive renovation of a 99,000-sf existing commercial building constructed in 1987 on a site of approximately 3.4 acres, and its conversion to a vertical design elementary school for approximately 700 students in grades 3-5.

### PATRICK HENRY PRE-K-8 SCHOOL AND RECREATIONAL CENTER

City of Alexandria | Alexandria, VA

Ms. Beesam is providing civil engineering services for the replacement of the existing facility that currently houses Patrick Henry Elementary School, the adjacent recreational center, and the associated athletic fields. The new building is to be constructed while the current facilities remain functional and operational. The new building is intended to be LEED Silver® certified and will include updated program requirements for both the school and recreation center. There is also a need for exterior improvements such as expansion of parking spaces, modifying onsite roadways and sidewalks to streamline vehicular and pedestrian traffic circulation, and landscaping.

# Ashley Beesam, P.E.

Civil Engineer (continued)

## **NORTH BETHESDA MIDDLE SCHOOL ADDITION**

**Bethesda | Maryland**

**As part of Samaha's team,** Ms. Beesam provided civil engineering services for the addition to the existing Middle School. This effort required the relocation of on-site portables, and was performed while students were in the building. This effort was performed in three phases. One phase was to locate temporary portables to be utilized during the building addition; a second phase was for the building construction; and the final phase was for the site stabilization and construction of the vehicular circulation improvements. According to the feasibility study, new water and sewer service upgrades were required. Additionally, there was a floodplain on this site and development was performed so as to avoid the floodplain. ADTEK also provided design and detail site retaining walls not associated with the building.

## **SOUTH LAKES HIGH SCHOOL ADDITION**

**Fairfax County | Reston, VA**

Ms. Beesam is providing civil engineering services for a feasibility study of an existing facility and an evaluation of the library site conditions for potential renovation of existing pedestrian pathways, additions for parking, utilities, ADA compliance and stormwater management. The existing 12,200-sf facility was built in 1966 and renovated in 1976. Renovation and minor expansion to approximately 14,400-sf. The project was recognized by the County of Fairfax with an Award of Excellence for Building Design and Construction.

## **ADDITIONAL WORK WITH SAMAHA INCLUDES:**

- Fairfax County Park Authority, Area 1 Maintenance Facility Replacement Project; Falls Church, Virginia
- Norman Cole Facility Optimization Study; Lorton, Virginia
- Alexandria Renew, Non-Process Facilities Master Plan; City of Alexandria, Virginia
- Ashburn Sheriff's Station; Ashburn, Virginia
- Kirkpatrick Farms Public Safety Ctr #27, Aldie, Virginia
- Arlington Heavy Vehicle Wash Facility; Arlington, Virginia



## Jess Farber, PE, LEED® AP, CxA

Mechanical Engineer

Mr. Farber joined CMTA in 1999 and has worked in consulting engineering since his graduation from the Georgia Institute of Technology (Georgia Tech). He is the director of the mechanical department in the Louisville office and assists in the overall management of the Louisville office. He has a reputation of providing excellent service to his clients and is well respected for his responsiveness to project related issues. Mr. Farber's experience is diverse and includes K-12, higher education, health care, convention centers, courthouses, and other commercial facilities. He is experienced with various sustainable design elements including geothermal systems, heat recovery systems, solar water heating and rainwater collection systems. As the leader of CMTA's Mechanical Engineering Department, he works on daily basis with the senior and junior members of the staff. With a mechanical engineering staff of over 20 people, Mr. Farber coordinates project production requirements as well as quality control. He is a strong proponent of mentoring and places special emphasis on training and developing younger engineers. As the lead mechanical engineer Mr. Farber will be responsible for the design of the mechanical systems for this project. He will coordinate with the Design Team to meet the expectations of this project. He will be responsible for the production of plans and specifications for the mechanical systems to ensure the design developed by the team will be executed properly.

### EDUCATION

- Georgia Institute of Technology, Mechanical Engineering Degree

### LICENSE/ REGISTRATIONS

- Professional Engineer Kentucky (#20175)
- LEED (Leadership in Energy and Environmental Design) Accredited Professional
- Certified Commissioning Agent, AABC Commissioning Group (CxA)

### YEARS OF EXPERIENCE

- 20 years

### YEARS WITH FIRM

- 19 years

### RELEVANT PROJECT EXPERIENCE

- Shadow Creek High School, Zero Energy Capable (24 EUI), Alvin Independent School District, Pearland, Texas
- Manvel Junior High School, Zero Energy Capable (24 EUI) Alvin Independent School District, Alvin, Texas
- Thomas Nelson High School, Zero Energy Capable (22 EUI) and ENERGY STAR Nelson County School District, Bardstown, Kentucky
- Paul VI High School, Designed to Earn ENERGY STAR, Catholic Diocese of Arlington Fairfax, Virginia
- Lenawee Center for a Sustainable Future – Agri-Science High School Zero Energy Campus, LEED® Platinum, Lenawee Intermediate School District Adrian, Michigan
- Lee Elementary School, LEED® Gold, Zero Energy School, Coppell Independent School District, Dallas, Texas



# Zachary Schneider, PE, LEED® AP, LC, CxA

Electrical Engineer

Mr. Schneider joined CMTA's Louisville office in August of 2002 and became a partner in 2012. He has significant experience in higher education and healthcare. Mr. Schneider was the project manager for a recent project, Temple College's hospital simulation laboratory, which combined that experience into one facility. The Hospital Simulation laboratory was utilized to help students in the medical field train in operating rooms, patient rooms and emergency medical situations. Mr. Schneider was the lead electrical engineer for the first school in the state of Kentucky to earn an ENERGY STAR score of 100. He was also the lead electrical engineer for the first geothermal school in Houston, Texas, which earned LEED® Gold certification. He has performed as the project manager and/or lead electrical engineer on numerous other ENERGY STAR and LEED projects. Utilizing his LC certification, Mr. Schneider has become an expert in daylight harvesting, lighting controls and low power density lighting design. As the lead electrical engineer, Mr. Schneider will be responsible for the design of the electrical systems for this project. He will coordinate with the Design Team to meet the expectations of this project. He will be responsible for the production of plans and specifications for the electrical systems to ensure the design developed by the team will be executed properly.

**EDUCATION**

- University of Louisville Speed Scientific School, Bachelor of Science in Engineering, 2005

**LICENSE/REGISTRATIONS**

- Professional Engineer Texas (#111244) and Kentucky (#28357)
- LEED (Leadership in Energy and Environmental Design) Accredited Professional
- Lighting Certified (LC) by the National Council on Qualifications for the Lighting Professions (NCQLP)
- Certified Commissioning Agent, AABC Commissioning Group

**YEARS OF EXPERIENCE**

- 16 years

**YEARS WITH FIRM**

- 16 years

**RELEVANT PROJECT EXPERIENCE**

- Shadow Creek High School, Zero Energy Capable (24 EUI), Alvin Independent School District, Pearland, Texas
- Manvel Junior High School, Zero Energy Capable (24 EUI) Alvin Independent School District, Alvin, Texas
- Rodeo Palms Junior High School, Zero Energy Capable (25 EUI) and ENERGY STAR Alvin Independent School District, Alvin, Texas
- Thomas Nelson High School, Zero Energy Capable (22 EUI) and ENERGY STAR Nelson County School District, Bardstown, Kentucky
- Paul VI High School, Designed to Earn ENERGY STAR, Catholic Diocese of Arlington Fairfax, Virginia





# Michael Norton, ASLA, ISA, LTF

Landscape Architect

Mr. Norton is the Principal as well as Lead Landscape Architect and Environmental Planner with Norton Land Design LLC. His specialties include environmental planning and site planning and design, which involves master planning, site context development, site design and permitting. Mr. Norton has an excellent working relationship with local and regional municipalities due in part to his work providing sound environmental design plans that meet the needs of the client while reaching and exceeding the goals of local regulatory agencies.

## EDUCATION

- Bachelor of Environmental Analysis and Planning, Frostburg State University 1996
- Master of Landscape Architecture, Morgan State University, 2001

## LICENSE/REGISTRATIONS

- Virginia/Landscape Architect 2006/0402-1309
- 2006/ISA Certified Arborist/National/4724A
- 2010/ISA Certified Tree Risk Assessor/National/1243

## YEARS OF EXPERIENCE

- 17 years

## YEARS WITH FIRM

- 10 years

## RELEVANT PROJECT EXPERIENCE

### GAITHERSBURG HIGH SCHOOL REPLACEMENT,

Gaithersburg | Maryland

**As part of Samaha's team, which also included ADTEK,** Mr. Norton provided landscape architecture and arborist services for the modernization of the school. This modernization was completed in three phases, requiring the existing school to be accessed by the users while the new school was constructed approximately 10 feet from the existing school. Maryland forest conservation regulations were met on this campus like high school setting. Strategic areas of forest and tree canopy establishment were installed to enhance the school property and provide learning opportunities for the students.

### PATRICK HENRY PRE-K-8 SCHOOL AND RECREATIONAL CENTER

City of Alexandria | Alexandria, VA

**As a subconsultant to ADTEK,** Mr. Norton provided landscape architecture and arborist services for the replacement of the existing facility that currently houses Patrick Henry Elementary School, the adjacent recreational center, and the associated athletic fields. The new building is to be constructed while the current facilities remain functional and operational. The new building is intended to be LEED Silver® certified and will include updated program requirements for both the school and recreation center. Norton prepared the Certified Arborist tree inventory and protection plan for trees onsite per City Of Alexandria Code. Protection measures included special measurements associated with the Dwarf Hackberry found to be a champion species. The landscape plan achieved the goal of shading play areas with native canopy trees and screening major roads from campus setting. High maintenance turf grass was reduced within parking islands and around masses of planting onsite to limit desire paths and wear.

### WHEATON LIBRARY AND RECREATION CENTER

Wheaton | Maryland

This project involved combining two properties and separate buildings into one building on a single parcel and the remaining parcel as an urban park. The goal for the park included active unstructured play areas along with a buffer along Georgia Avenue that engages the community and extends the architecture of the building into the park through color panels that catch light and mimic the building. The extensive native landscape and integrated stormwater become an extension of the park. **Project completed with ADTEK.**

# Michael Norton, ASLA, ISA, LTE

Landscape Architect (continued)

## SAINT ANDREWS EPISCOPAL SCHOOL

### Potomac | Maryland

Initially this project began as reorganizing the existing forest conservation easements on the private school property to allow for future expansion. The school was beginning to think about a new gym building. Following approval by the Planning Board and public meetings, the new easements were approved. Master planning for the new building, formal upper quad development along with parking and entry experiences were developed. After the development of the master plan, the quad was designed to become a gathering space for students and to formalize connections between buildings. The vehicular circulation was removed from the space and pushed toward other facilities to allow for a more organized vehicle and pedestrian experience.

## LANDSCAPE DESIGN GUIDELINES, MONTGOMERY COUNTY, MARYLAND PUBLIC SCHOOLS

### Montgomery County | Maryland

This task included compiling and editing Landscape and Forest Conservation design specification and guidelines for MCPS distribution to consultants as part of their design submittal package. Documents were reviewed and coordinated between civil engineering, landscape architecture and forest conservation.

### ADDITIONAL WORK WITH ADTEK INCLUDES:

- Cabin John Middle School Modernization; Potomac, Maryland
- North Bethesda Middle School Addition; Bethesda, Maryland
- Tilden Middle School and Rock Terrace School; Rockville, Maryland
- George Mason University Reforestation and Stream Restoration; Fairfax, Virginia
- George Mason University Hylton Performing Arts Center Addition, Manassas, Virginia



## Thomas Bouffard, PE

Structural Engineer

Mr. Bouffard is a principal of Ehlert Bryan. He is experienced in the design and contract document production of a wide variety of building types including retail centers, office buildings, schools, hospitals, parking garages, residential housing, and renovations with primary emphasis on concrete and steel high-rise office buildings. He has worked with virtually all structural systems found in current construction including post tensioning, flat plate concrete, and composite structural steel. He has a thorough understanding of construction economy and its applications. He brings enthusiasm, experience, and a solid client commitment to each project

### EDUCATION

- Bachelor of Science, civil Engineering, University of New Haven, 1982
- Master of Science, Structural Engineering, George Washington University, 1985

### LICENSE/ REGISTRATIONS

- Professional Engineer VA, AL, AZ, DC, FL, KS, KY, LA, MD, MO, OH, PR, RI, UT,
- Structural Engineers Association - Metropolitan Washington (SEA-MW) - Chairman, 1998 & 2013
- National Council Structural Engineering Associations (NCSEA)

### YEARS OF EXPERIENCE

- 39 years

### YEARS WITH FIRM

- 29 years

### RELEVANT PROJECT EXPERIENCE

- Mount Daniel Elementary School, Falls Church, VA
- George Mason Middle School, Falls Church, VA
- Herndon High School, Renewal & Addition, Herndon, VA
- Mary Ellen Henderson Middle School, Falls Church, VA
- Oakton High School, Oakton, VA
- Langston Community Center, Arlington, VA



## Brian Baumgartle, PE, FEP, CGD, LEED® AP

Zero Energy - High Performance Engineer

Mr. Baumgartle joined CMTA's Louisville office in 2007. He understands that lighting design can make or break a project. His extensive experience and knowledge of lighting and daylighting design ensures that it will be memorable, visually comfortable, cost effective and energy efficient. He has given seminars on lighting and daylighting design to numerous organizations and companies including Lightfair International and the University of Louisville Fine Arts Interior Architecture program. He has also written articles for Consulting-Specifying Engineer on lighting and commissioning. He is Lighting Certified (LC) by the National Council on Qualifications for the Lighting Professions (NCQLP) and is a member of the Illuminating Engineering Society of North America (IESNA). Mr. Baumgartle has project managed and engineered numerous projects for educational, health care, corporate, retail, hospitality, performance and museum facilities. His projects include Richardsville Elementary School (first Net Zero Energy school in the U.S.), Oldham County Library (IESNA illumination award), Army Aviation Support Facility at Boone National Guard Center, Van Meter Hall Renovation (Theater) at Western Kentucky University, Fourth Street Live! and Parklands of Floyds Fork. He has also designed over one megawatt of solar photovoltaic systems. In addition to his lighting expertise, Mr. Baumgartle has a broad knowledge of solar photovoltaic, fire alarm, security, data/voice, power distribution, uninterruptible power and emergency generator back-up systems. As the engineering team member responsible for sustainability, Mr. Baumgartle will ensure that the MEP systems meet the project's requirements for sustainability especially in the area on energy efficiency. Mr. Baumgartle will ensure the MEP systems provide a comfortable and sustainable environment.

### EDUCATION

- University of Louisville  
Bachelor of Science in  
Electrical Engineering,  
1998

### LICENSE/ REGISTRATIONS

- Professional Engineer  
Kentucky (#23119)
- LEED (Leadership in  
Energy and Environmen-  
tal Design) Accredited  
Professional
- Lighting Certified (LC)  
by the National Council  
on Qualifications for the  
Lighting Professions  
(NCQLP)

### YEARS OF EXPERIENCE

- 19 years

### YEARS WITH FIRM

- 10 years

### RELEVANT PROJECT EXPERIENCE

- Paul VI High School Designed to Earn ENERGY STAR, Catholic Diocese of Arlington Fairfax, Virginia
- Shadow Creek High School Zero Energy Capable (24 EUI) Alvin Independent School District, Pearland, Texas
- Lenawee Center for a Sustainable Future – Agri-Science High School Zero Energy Campus, LEED® Platinum, Lenawee Intermediate School District Adrian, Michigan
- Thomas Nelson High School Zero Energy Capable (24 EUI), Nelson County School District, Bardstown, Kentucky
- Lee Elementary School LEED® Gold, Zero Energy School, Coppell Independent School District, Dallas, Texas



# Gary Hagan, PE, LEED® AP, CxA, CCP

Commissioning Agent

Mr. Hagan joined CMTA in 2012 bringing over ten years of experience in the design and commissioning of K-12 schools, higher education, and health care projects. He leads all CMTA commissioning projects. He has performed commissioning on multi-million dollar projects for the Kentucky International Convention Center, Kentucky Community and Technical College System, the University of Louisville (Kentucky), Cincinnati Public Schools (Ohio), Arlington Public Schools (Virginia), Howard County Public Schools (Maryland) and the Commonwealth of Kentucky. Commissioning projects completed by Mr. Hagan prior to his employment with CMTA include the \$380 million Benjamin Russell Children’s Hospital in Birmingham, Alabama; the \$130 million Piedmont Newnan Hospital in Newnan, Georgia; Harvard Brigham Women’s Hospital in Boston, Massachusetts and Children’s Medical Center of Dallas. As Commissioning Agent, Mr. Hagan will ensure that the systems operate as intended. This minimizes energy consumption, reduces maintenance time and increases patient comfort. A commissioning agent is a pro-active method of improving system performance before problems arise.

**EDUCATION**

- University of Louisville Master of Electrical Engineering, 2009
- University of Louisville Master of Business Administration, 2009
- University of Louisville Bachelor of Science in Electrical Engineering, 2000

**LICENSE/ REGISTRATIONS**

- Professional Engineer Kentucky (#29451)
- LEED (Leadership in Energy and Environmental Design) Accredited Professional
- Certified Commissioning Agent, AABC Commissioning Group
- Certified Commissioning Professional, Building Commissioning Association

**YEARS OF EXPERIENCE**

- 15 years

**YEARS WITH FIRM**

- 5 years

**RELEVANT PROJECT EXPERIENCE**

- Lenawee Center for a Sustainable Future – Agri-Science High School Zero Energy Campus, LEED® Platinum, Lenawee Intermediate School District Adrian, Michigan
- Graceland Park-O’Donnell Heights Elementary/Middle School Targeted to Zero Energy Baltimore, Maryland
- Holabird Academy Elementary/Middle School, Targeted to Zero Energy Baltimore, Maryland
- Wilde Lake Middle School, Zero Energy School, LEED Platinum Columbia, Maryland
- Cincinnati Public Schools – District-wide Energy Project, Cincinnati, Ohio



## Charles Greenwell, PE, LEED® AP, CxA, CCP

Fire Protection Engineer

In 2015, Mr. Greenwell joined CMTA's Louisville office bringing over 13 years of experience in fire protection and mechanical engineering systems design. He is a licensed Fire Protection Engineer and Mechanical Engineer. He has served in a broad range of roles including project management, design and construction quality control. He engineers fire alarm, fire suppression and life safety designs including calculations, water supply analysis, system layouts and specifications. He has been Designer-of-Record for a broad range of fire protection systems including wet pipe sprinkler systems, mass notification systems and clean agent systems. Mr. Greenwell has prepared fire hazard, code, and life safety analyses that included review of building code requirements, egress analysis, water supply analysis, design of automatic detection and suppression systems, and construction surveillance type requirements for various applications. He is familiar with U.S. Military specific requirements for design and quality control. He is experienced with ICC, UFC and NFPA codes and standards for mechanical, electrical, plumbing, life safety, sprinkler and fire alarm systems.

### EDUCATION

- University of Maryland Graduate Certificate in Fire Protection Engineering, 2011
- University of Louisville Master of Science in Mechanical Engineering, 2001
- University of Louisville Bachelor of Science in Mechanical Engineering, 2000

### LICENSE/ REGISTRATIONS

- Professional Engineer Virginia (#0402044304)
- Professional Engineer Kentucky (#31675)
- Licensed Fire Protection Engineer
- LEED (Leadership in Energy and Environmental Design) Accredited Professional
- Certified GeoExchange Designer, IGSHPA

### YEARS OF EXPERIENCE

- 17 years

### YEARS WITH FIRM

- 2 years

### RELEVANT PROJECT EXPERIENCE

- Paul VI High School Designed to Earn ENERGY STAR, Catholic Diocese of Arlington Fairfax, Virginia
- Shadow Creek High School Zero Energy Capable (24 EUI) Alvin Independent School District, Pearland, Texas



# L. Thomas Sorrell, RCCD, LEED® BD+C, NICET

Communications and Security Engineer

Mr. Sorrell joined CMTA in 2015 and is leading the firm's technology and security design team. He has over 28 years of experience in the technology/security arena which includes extensive work in the design of security and technology systems for educational, institutional, health care and industrial facilities. He has worked with the University of Kentucky (UK) Capital Projects Management Division and UK Police Department on security assessments for over 70 buildings. Mr. Sorrell co-authored the University's Campus Security Master Plan and is in the process of designing The University of Florida Campus Wide Security Master Plan, similar to the University of Kentucky project. A member of the BICSI Speaker's Bureau, Mr. Sorrell is a frequent speaker at conferences around the United States on the issue of campus safety. He will apply his unique knowledge of technology, security and safety to your project and will exceed the expectations of the Owner and Architect.

**EDUCATION**

- University of Louisville, AAS Degree in Electrical Engineering, 1987

**LICENSE/REGISTRATIONS**

- Registered Communications Distribution Designer #171229R
- LEED (Leadership in Energy and Environmental Design) Building, Design+Construction Accredited Professional
- National Institute for Certification in Engineering Technologies – Level III

**YEARS OF EXPERIENCE**

- 31 years

**PROFESSIONAL ACTIVITIES**

- Building Industry Consulting Service International (BICSI)
- ASIS International
- Crime Prevention Through Environmental Design (CPTED)
- National Fire Protection Association
- The Association for Learning Environments (formerly CEFPI)
- Federal Bureau of Investigation InfraGard
- DHS Cybersecurity Training

**RELEVANT PROJECT EXPERIENCE**

- Graceland Elementary/Middle School, Targeted to Zero Energy , Baltimore City Public Schools, Baltimore, Maryland
- Holabird Elementary/Middle School Targeted to Zero Energy, Baltimore City Public Schools, Baltimore, Maryland
- University of Kentucky, Capital Projects and Campus-Wide Security Master Plan University of Kentucky, Louisville, Kentucky
- University of Florida Campus-Wide Security Master Plan University of Florida, Gainesville, Florida



# Doug Huber

Food Service Consultant

Douglas W. Huber has over 25 years of foodservice experience. He is a recognized industry leader and was a conference speaker for School Nutrition Association of Virginia and Foodservice Consultants Society International. He will work with the AE Team and Falls Church City Public Schools to address all foodservice needs during the project.

**EDUCATION**

- Rollins College, Master of Business Administration, 1997
- James Madison University, BBA, Business, 1986

**LICENSE/REGISTRATIONS**

- Foodservice Consultants Society International

**YEARS OF EXPERIENCE**

- 31 years

**YEARS WITH FIRM**

- 14 years

**RELEVANT PROJECT EXPERIENCE**

- Alternate Education School, Manassas, VA
- Battlefield High School, Haymarket, VA
- Benton Middle School, Manassas, VA
- Devlin Road “Chris Yung” Elementary School, Prince William County, VA
- Dumfries Elementary School, Dumfries, VA
- Featherstone Elementary School, Woodbridge, VA
- Ferlazzo “Kyle R. Wilson” Elementary School, Woodbridge, VA
- Freedom High School, Woodbridge, VA
- Gar-Field High School, Woodbridge, VA
- Gravely Elementary School, Haymarket, VA
- Haymarket Drive Elementary School, Haymarket, VA
- Kettle Run Elementary School, Nokesville, VA



# Darshit Joshi

Acoustical Engineer

## EDUCATION

- Wayne State University  
Master of Science in Mechanical Engineering

## LICENSE/ REGISTRATIONS

- LEED (Leadership in Energy and Environmental Design) Accredited Professional
- Member USGBC-NCR - U.S. Green Building Council, National Capital Region
- INCE - Institute of Noise Control Engineering

## YEARS OF EXPERIENCE

- 15 years

Mr. Joshi has served Polysonics as a Senior Acoustical Consultant for over eleven years. Primarily responsible for the design, analysis, correspondence, construction administration and testing requirements of mid and high rise commercial and residential developments, he has demonstrated expertise in both new construction and renovation projects. Mr. Joshi designs interior acoustics for privacy and noise control of residential and office spaces; architectural, mechanical, and plumbing sound attenuation as well as building shell and curtain wall designs for environmental noise reduction. A BD+C LEED AP, Mr. Joshi includes many elementary, middle and secondary schools designs, at all levels of LEED Certification, in his schools portfolio.

## RELEVANT PROJECT EXPERIENCE

### ROCK RIDGE HIGH SCHOOL

Loudoun County Public Schools | Ashburn, Virginia

Mr. Joshi provided interior acoustic designs to include theater acoustics, mechanical equipment isolation, classroom acoustics, HVAC and mechanical equipment isolation, noise level reduction analysis, indoor/outdoor noise measurements; air handling units, corridor air supply units, cooling tower, emergency generator and booster pumps noise control. Exterior acoustic involved field measurements, playing fields noise mitigation suggestions, athletic field/stadium acoustics, and noise barrier design and optimization. Rock Ridge High School, HS-6, has the ability to accommodate 1,800 students.

### WHEATON HIGH SCHOOL

Montgomery County Public Schools | Silver Spring, Maryland

Mr. Joshi is currently providing building-wide acoustical and noise and vibration mitigation consulting services, in support of LEED requirements and in conjunction with the State of Maryland Classroom Acoustics Guidelines and the ANSI standard S12.60-2002, for Wheaton High School. Acoustical services currently being provided: acoustical narrative; reverberation analysis & design for core learning and presentation spaces; auditorium acoustic design, environmental noise mitigation analysis & design; windows and doors specification; roof design; wall & floor partition design; acoustical analysis & noise control design for HVAC system; vibration isolation for mechanical equipment. The original school was built in 1954, with several additions, the total area of the school is now 336,360 square feet.

### DUKE ELLINGTON SCHOOL OF THE ARTS

Department of General Services | Washington, DC

The Duke Ellington Schools for the Arts is not only ranked as one of the top public schools in DC, it is one of the premier high schools in the nation with a focus on the arts. Mr. Joshi provided LEED classroom interior acoustics, HVAC and mechanical noise control, air handling unit, corridor air supply unit, cooling tower, emergency generator, booster pumps, and elevator noise control design. As part of the Duke Ellington project, Mr. Joshi also provided interior, theater, studio, and classroom acoustics and ceiling layout/design for the Garnett Patterson School swing space which was to be occupied during the renovation of the historic grand Classic Revival building.

# Josh Wise

Theater Rigging Consultant

## EDUCATION

- Christopher Newport University, Computer Engineering

## LICENSE/REGISTRATIONS

- InfoComm Certified Technology Specialist

## YEARS OF EXPERIENCE

- 7 years

Involved with audio video design, installation and production from a very young age, Mr. Wise turned his problem solving skills into his vocation when joining the Polysonics Team. Mr. Wise has excellent experience in all aspects of the industry including installing, wiring, fine-tuning and maintenance of system, which supports his growing design skills with real world hands on experience. He is CTS certified as well as certified in the major DSP system programming protocols. He has direct design and support-design credentials in k-12 education systems, major government installations, houses of worship and computer networks.

## RELEVANT PROJECT EXPERIENCE

### ROCK RIDGE HIGH SCHOOL

Loudoun County Public Schools | Ashburn, Virginia

Mr. Joshi provided interior acoustic designs to include theater acoustics, mechanical equipment isolation, classroom acoustics, HVAC and mechanical equipment isolation, noise level reduction analysis, indoor/outdoor noise measurements; air handling units, corridor air supply units, cooling tower, emergency generator and booster pumps noise control. Exterior acoustic involved field measurements, playing fields noise mitigation suggestions, athletic field/stadium acoustics, and noise barrier design and optimization. Rock Ridge High School, HS-6, has the ability to accommodate 1,800 students.

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### RIVERSIDE HIGH SCHOOL

Landsdowne, Virginia

Riverside High School, HS-8, will open in 2015 with a student capacity of 1,600 with a total of 275,000 sq ft. Mr. Wise assisted in the design of the performance audio systems, performance lighting, rigging and curtains, speech reinforcement systems, video projection systems, film/video projection, audio and video booth control, FOH/ROH systems and production intercom.

### SENECA VALLEY HIGH SCHOOL

Montgomery County Public Schools | Germantown, Maryland

Mr. Wise assisted in the design of all audiovisual systems for the new construction of a 360,000 square foot high school serving 2,000 students in grades 9-12. The auditorium systems included house acoustical ceiling/clouds design, house acoustical wall design, acoustical stage/band shell design, performance FOH sound reinforcement and performance monitor system, performance lighting, electrics, fixtures, and control, performance motorized and non-motorized rigging, stage curtain and curtain track package including Cyclorama, just to name a few.



## Fred Marino, AIA, NCARB

Commercial Consultant

Fred has over 30 years of professional experience and has specialized in the design of education facilities. As a Senior Principal with Design Collective, Inc., He has provided leadership to diverse teams of professionals and consultants on complicated buildings at Baltimore City Public Schools, Baltimore County Public Schools, University of Maryland, Baltimore, University of Maryland, College Park and the University of Delaware. Through this experience, Fred has become an expert in managing complex projects and working collaboratively to design beautiful and state-of-the-art facilities and creative learning environments. As the Consulting Design Manager for this project, Fred will provide design support on commercial design aspects of this project.

### EDUCATION

- University of Texas, Arlington Bachelor of Architecture, 1984

### LICENSE/ REGISTRATIONS

- Architecture: VA, MD, DC, GA, NC, WV, NCARB

### ORGANIZATIONS

- American Institute of Architects
- Society for College and University Planning
- Association of School Business Officials
- Association of Physical Plant Administrators
- American Association of Community Colleges
- Labs21

### YEARS OF EXPERIENCE

- 33 years

### YEARS WITH FIRM

- 28 years

### RELEVANT PROJECT EXPERIENCE

- Allan Building Renovation McDonogh School, Owings Mills, MD
- Arlington Elementary School, Baltimore, MD
- Burck Center Renovation, McDonogh School, Owings Mills, MD
- Calvin Rodwell Elementary/Middle School, Baltimore, MD
- Colgate Elementary, Dundalk, MD
- Cromwell Valley Elementary School, Towson, MD
- Cross Country Elementary, Baltimore, MD
- Dulaney High School, Timonium, MD
- Erinn McCarthy Humanities Hall, Maryvale Prep School, Brooklandville, MD
- Francis Scott Key Elementary/Middle School, Baltimore, MD
- Holabird STEM Academy, Dundalk, MD
- James Mosher Elementary School, Baltimore, MD (Study)
- Lyle Building Renovation, McDonogh School, Owings Mills, MD
- Lyndhurst Elementary/Middle School, Baltimore, MD (Study)
- Pimlico Elementary/Middle School, Baltimore, MD
- Victory Villa Elementary School, Rosedale, MD (Study)
- West Towson Elementary School, Towson, MD
- University of Maryland College Park, HJ Patterson Hall, Wing 1, College Park, MD
- University of Maryland, University College, Student & Faculty Services Center, Adelphi, MD
- College of William & Mary, Small Hall Renovation/Addition Williamsburg, VA
- Inmar Headquarters, Adaptive Reuse & Historic Preservation, Winston-Salem, NC
- Community College of Baltimore County, Dundalk Library, Dining & Student Center, Dundalk, MD
- Salisbury University, Holloway Hall Renovation Salisbury, MD