



SCHOOLS FOR THE **FUTURE**

Design-Build PPEA Proposal for
Virginia Beach City Public Schools

UNSOLICITED **CONCEPTUAL PHASE – Volume III**



ELECTRONIC COPY
May 28, 2021

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TABLE OF CONTENTS – VOLUME III

EXECUTIVE SUMMARY

TAB 1

QUALIFICATIONS AND EXPERIENCE

- a. Structure & Management
- b. **Experience** - Information included in Volume III #1
- c. **Prior Projects** - Information included in Volume III #245
- d. Point of Contact
- e. Financial Statement – Proprietary/Confidential Information in Volume II
- f. Conflict of Interest
- g. Plan for Obtaining Qualified Workers
- h. **DGS Form 30-168** - Information included in Volume III #257
- i. SWaM Participation Efforts

TAB 2

PROJECT CHARACTERISTICS

- a. Project Description – Proprietary/Confidential Information in Volume II
- b. Work Performed by the School Board
- c. Permits & Approvals
- d. Adverse Impacts
- e. Positive Impacts
- f. Proposed Schedule – Proprietary/Confidential Information in Volume II
- g. Contingency Plans
- h. Assurance for Timely Completion
- i. Assumptions to Ownership, Operation and Use – Proprietary/Confidential Information in Volume II
- j. Phased Openings
- k. Applicable Standards

■ TAB 3

PROJECT FINANCING – Proprietary/Confidential Information in Volume II

- a. Preliminary Estimate
- b. Plans for Development
- c. Assumptions
- d. Risk Factors
- e. Public Resources
- f. Commitment Required by the School Board
- g. Private Entity Dedication

TAB 4

PROJECT BENEFIT & COMPATIBILITY

- a. Benefits
- b. Anticipated Public Support
- c. Public Outreach Plan
- d. Attracting and Maintaining Competitive Industries
- e. Compatibility

TAB 5

ADDITIONAL INFORMATION

- a. Certification
- b. Distribution to Affected Jurisdictions
- c. **Reference Letters** – Information included in Volume III #349

■ Includes information provided in **Volume II – Proprietary/Confidential Information**



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APPENDIX 2: CONCEPTUAL PROPOSAL SUBMISSION

Conceptual Proposal Preparation and Submission

The Superintendent may generally require that proposals at the conceptual stage contain information in the following areas: (1) qualifications and experience, (2) project characteristics, (3) project financing, but only if public financing is unavailable or potentially less advantageous, (4) project benefit and compatibility. The Superintendent may reasonably request additional information from any proposer.

All potential proposers should be mindful that there is a legal requirement to post conceptual proposals. As such, any protections sought pursuant to Va. Code § 2.2-3705.6(11) should be undertaken prior to posting. An unsolicited proposal shall include an executive summary not designated as "Confidential-Not Releasable under VFOIA" that describes the proposed qualifying project sufficiently so that potential competitors can reasonably formulate meaningful competing proposals from a review of the summary and publicly-available information.

All proposals should include an executive summary of the proposal at the beginning of the proposal. Unless otherwise indicated in the solicitation or Receipt of Unsolicited PPEA Proposal and Solicitation of Competing Proposals, as applicable, conceptual-phase proposals should contain the information indicated below in the format indicated below:

TAB 1: Qualifications and Experience

Structure & Management

a. • Identify the legal structure of the private entity making the proposal. Identify the organizational structure for the project, the management approach, and how each participant in the structure fits into the overall team. If the private entity that would be signing any comprehensive agreement would be a corporation, limited liability company, limited partnership, or an entity formed especially for the project, and if the proposer is relying at all on the past experience, name, or financial statements of any other person or entity to show the private entities' capabilities and responsibility, state what guaranty of performance will be provided by such other persons or entities.

Experience _ Information included in Volume III

b. • Describe the experience of the entities making the proposal, the key principals and project managers involved in the proposed project including experience with projects of comparable size and complexity, including prior experience bringing similar projects to completion on budget and in compliance with design, land use, service and other standards. Describe past safety performance and current safety capabilities. Describe the past technical performance history on recent projects of comparable size and complexity, including disclosure of any legal claims relating to such projects. Describe the length of time in business, business experience, public sector experience, and other engagements. Include the identity of any firms that will provide design, construction and completion guarantees and warranties, and a description of such guarantees and warranties.

Prior Projects _ Information included in Volume III

- C. •** For each firm or major subcontractor that will be utilized in the project, provide a statement listing the firm's prior projects and clients for the past 3 years and contact information for same (name, address, telephone number, e-mail address). If a firm has worked on more than ten (10) projects during this period, it may limit its prior project list to ten (10), but shall first include all projects similar in scope and size to the proposed project and, second, it shall include as many of its most recent projects as possible. Each firm or major subcontractor shall be required to submit all performance evaluation reports or other documents, which are in its possession evaluating the firm's performance during the preceding three years in terms of cost, quality, schedule maintenance, claims, change orders, lawsuits, safety and other matters relevant to the successful project development, operation, and completion.

Point of Contact

- d. •** Provide the names, prior experience, addresses, telephone numbers and e-mail addresses of persons within the firm or who will be directly involved in the project or who may be contacted for further information.

Financial Statement _ Proprietary | Confidential Information included in Volume II

- e. •** Provide the current or most recent financial statements of the firm (audited financial statements to the extent available), and if the firm is a joint venture, limited liability company, partnership or entity formed specifically for this project, provide financial statements (audited if available) for the firm's principal venturers, members, partners, or stockholders that show that the firm or its constituents have appropriate financial resources and operating histories for the project.

Conflict of Interest

- f. •** Identify any persons known to the proposer who would be obligated to disqualify themselves from participation in any transaction arising from or in connection to the project pursuant to The Virginia State and Local Government Conflict of Interest Act, Chapter 31 (Va. Code § 2.2-3100, et seq.).

Plan for Obtaining Qualified Workers

- g. •** Identify the proposed plan for obtaining sufficient numbers of qualified workers in all trades or crafts required for the project.

DGS Form 30- 168 _ Information included in Volume III

- h. •** For each firm or major subcontractor that will perform construction and/or design activities, provide an accurately completed Commonwealth of Virginia Department of General Services (DGS) Form 30-168.

SWaM Participation Efforts

- i. •** Describe efforts to facilitate participation of small businesses and businesses owned by women and minorities and the success of those efforts for the project.

TAB 2: Project Characteristics

Project Description _ Proprietary | Confidential Information included in Volume II

- a. •** Provide a description of the project, including the conceptual design. Describe the proposed project in sufficient detail so that type and intent of the project, the location, and the communities that may be affected are clearly identified.

Work Performed by the School Board

- b. •** Identify and fully describe any work to be performed by the School Board or any other public entity.

Permits & Approvals

- c.** • Include a list of all federal, state and local permits and approvals required for the project and a schedule for obtaining such permits and approvals.

Adverse Impacts

- d.** • Identify any anticipated adverse social, economic, environmental and transportation impacts of the project measured against the City's or other affected jurisdiction's comprehensive land use plan and applicable ordinances and design standards. Specify the strategies or actions to mitigate known impacts of the project. Indicate if an environmental and archaeological assessment has been completed.

Positive Impacts

- e.** • Identify the projected positive social, economic, environmental and transportation impacts of the project measured against the City's or other affected jurisdiction's comprehensive land use plan and applicable ordinances and design standards.

Proposed Schedule _ Proprietary | Confidential Information included in Volume II

- f.** • Identify the proposed schedule for the work on the project, including sufficient time for the School Board's review and the estimated time for completion.

Contingency Plans

- g.** • Identify contingency plans for addressing public needs in the event that all or some of the project is not completed according to projected schedule.

Assurance for Timely Completion

- h.** • Propose allocation of risk and liability, and assurances for timely completion of the project.

Assumptions to Ownership, Operation and Use _ Proprietary | Confidential Information included in Volume II

- i.** • State assumptions related to ownership, legal liability, law enforcement and operation of the project and the existence of any restrictions on the School Board's use of the project.

Phased Openings

- j.** • Provide information relative to phased openings of the proposed project.

Applicable Standards

- k.** • Describe any architectural, building, engineering, or other applicable standards that the proposed project will meet.

TAB 3: Project Financing

Preliminary Estimate _ Proprietary | Confidential Information included in Volume II

- a.** • Provide a preliminary estimate and estimating methodology of the cost of the work by phase, segment (e.g., design, construction, and operation), or both.

Plans for Development _ Proprietary | Confidential Information included in Volume II

- b.** • Submit a plan for the development, financing and operation of the project showing the anticipated schedule on which funds will be required. Describe the anticipated costs of and proposed sources and uses for such funds, including any anticipated debt service costs. The operational plan should include appropriate staffing levels and associated costs based upon the School Board's adopted operational standards. Include any supporting due diligence studies, analyses, or reports.

Assumptions _ Proprietary | Confidential Information included in Volume II

- c.** • Include a list and discussion of assumptions underlying all major elements of the plan. Assumptions should include all fees associated with financing given the recommended financing approach, including but not limited to, underwriter's discount, placement agent, legal,

rating agency, consultants, feasibility study and other related fees. A complete discussion or interest rate assumptions should be included given current market conditions. Any ongoing operational fees should also be disclosed, as well as any assumptions with regard to increases in such fees and escalator provision to be required in the Comprehensive Agreement.

- d. • Risk Factors** *Proprietary | Confidential Information included in Volume II*
Identify the proposed risk factors and methods for dealing with these factors. Describe methods and remedies associated with any financial default.
- e. • Public Resources** *Proprietary | Confidential Information included in Volume II*
Identify any local, state or federal resources that the proposer contemplates requesting for the project along with an anticipated schedule of resource requirements. Describe the total commitment, if any, expected from governmental sources and the timing of any anticipated commitment, both one-time and on-going.
- f. • Commitment Required by the School Board** *Proprietary | Confidential Information included in Volume II*
Clearly describe the underlying support and commitment required by the School Board under your recommended plan of finance. Include your expectation with regard to the City providing its general obligation or moral obligation backing.
- g. • Private Entity Dedication** *Proprietary | Confidential Information included in Volume II*
Identify any dedicated revenue, source or proposed debt or equity investment on behalf of the private entity submitting the proposal.

TAB 4: Project Benefit and Compatibility

Benefits

- a. •** Identify community benefits, including the economic impact the project will have on the local community in terms of amount of tax revenue to be generated for the City or other affected jurisdiction, the number jobs generated for area residents and level of pay and fringe benefits of such jobs, and the number and value of subcontracts generated for area subcontractors.

Anticipated Public Support

- b. •** Identify any anticipated public support or opposition, as well as any anticipated government support or opposition (including that in any affected jurisdiction), for the project.

Public Outreach Plan

- c. •** Explain the strategy and plans, including the anticipated timeline that will be carried out to involve and inform the general public, business community, and governmental agencies in areas affected by the project.

Attracting and Maintaining Competitive Industries

- d. •** Describe any anticipated significant benefits to the community and the Public Schools, including anticipated benefits to the economic, social, environmental, transportation, Comprehensive Plan, etc., condition of the Public Schools and whether the project is critical to attracting or maintaining competitive industries and businesses to the City or other affected jurisdiction.

Compatibility

- e. •** Describe the project's compatibility with the City's and/or affected jurisdiction's local comprehensive plan (including related environmental, land use and facility standards ordinances, where applicable), infrastructure development plans, transportation plans, the capital improvements plan and capital budget or other government spending plan.

TAB 5: Any additional information as the Superintendent may reasonably request and certifications

The Superintendent may reasonably request additional information from any proposer.

Additionally, the proposal shall provide the following certification and distribution of the proposal:

Certification

- a. 1. Certification:** Representations, information and data supplied in, or in connection with, proposals play a critical role in the competitive evaluation process and in the ultimate selection of a proposal by the School Board. Accordingly, as part of any proposal, the proposer shall certify that all material representations, information and data provided in support of, or in connection with, its proposal are true and correct. Such certification shall be made by authorized individuals who are principals of the proposer and who have knowledge of the information provided in the proposal. In the event that material changes occur with respect to any representations, information or data provided for a proposal, the proposer shall immediately notify the School Board of the same.

Distribution of Affected Jurisdictions

- b. 2. Distribution to Affected Jurisdictions:** Under the PPEA, an "affected jurisdiction" is any county, city or town in which all or a portion of a qualifying project is located. Any private entity submitting a conceptual or detailed proposal to the School Board must provide any affected jurisdiction (typically the City) with a copy of the private entity's proposal by certified mail, express delivery or hand delivery. In the case of solicited proposals, such copy should be submitted to any affected jurisdiction to ensure its receipt at the time proposals are due to be submitted to the School Board. In the case of unsolicited proposals, such copy should be submitted to any affected jurisdiction to ensure its receipt within 5 business days after receiving notice from the School Board that the School Board has decided to accept the proposal pursuant to Section 6.1.1 hereof. Any affected jurisdiction shall have 60 days from the receipt of the proposal to submit written comments to the School Board and to indicate whether the proposed qualifying project is compatible with the jurisdiction's (i) comprehensive plan, (ii) infrastructure development plans, and (iii) capital improvements budget or other government spending plan. The School Board shall give consideration to comments received in writing within the 60-day period, and no negative inference shall be drawn from the absence of comment by an affected jurisdiction. The School Board may begin or continue its evaluation of any such proposal during the 60-day period for affected jurisdictions to submit comments.

C. Reference Letters _ [Information included in Volume III](#)



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DO GREAT WORK

TOGETHER

VOLUME III

TAB 1

QUALIFICATIONS & EXPERIENCE



TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience

b. Experience

Describe the experience of the entities making the proposal, the key principals and project managers involved in the proposed project including experience with projects of comparable size and complexity, including prior experience bringing similar projects to completion on budget and in compliance with design, land use, service and other standards. Describe past safety performance and current safety capabilities. Describe the past technical performance history on recent projects of comparable size and complexity, including disclosure of any legal claims relating to such projects. Describe the length of time in business, business experience, public sector experience, and other engagements. Include the identity of any firms that will provide design, construction and completion guarantees and warranties, and a description of such guarantees and warranties.

This section includes the following information:

- Combined Experience on K-12 Projects of the Consortium of Firms
- Design-Build Contractor – SBBCC Experience
 - Safety Performance and Capabilities
 - Guarantees and Warranties
 - Legal Claims
- Architect - HBA Experience
- Architect - RRMM Experience
- Associate Architect - Livas Experience
- Civil Engineer - Kimley-Horn Experience
- Civil Engineer - Timmons Experience
- Civil Engineer – VHB Experience
- Landscape Architect - WPL Experience
- Structural Engineer - SMF Experience
- Structural Engineer – Lynch Mykins Experience
- M/E/P Engineer - MJT Experience
- Hazardous Materials Services - GER Experience
- Geotechnical Engineer - GET Solutions Experience
- Public Relations Firm - The Miles Agency



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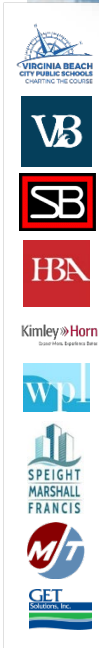
TAB 1 | QUALIFICATIONS AND EXPERIENCE

**b. Experience:
Consortium of Firms**

COMBINED EXPERIENCE ON K-12 PROJECTS OF THE CONSORTIUM OF FIRMS



2015 Project of Distinction, Council of Educational Facility Planners International
2015 Best Secondary School Design, Southeast Region of the Council for Educational Facilities Planners International (CEFPI)
2014 Gold Design Award, Council of Educational Facility Planners International and Virginia Department of Education
2014 Silver Design Award, Virginia School Board Association
2015 Merit Award, AIA Hampton Roads Chapter
2015 Merit Award, VA ASLA Professional and Student Awards
2014 Honor Award, Virginia Beach Planning Commission
2014 Award of Excellence - Best Educational Building, HRACRE Excellence in Development Design Award



PROJECT TEAM

SBBCC + HBA + Kimley-Horn
WPL + SMF + MJT + GET

FLOYD E. KELLAM HIGH SCHOOL

Virginia Beach, Virginia

OWNER

Virginia Beach City
Public Schools

PROJECT STATUS

Completed 2014
3 Months Ahead of Schedule

PROJECT SIZE

336,410 SF New Construction
108 Acre Site
2,000 Students

PROJECT COST

\$74,787,701

From the beginning, this new 2,000 student high school was envisioned as a prototype for 21st century learning environments. The new Kellam High School was designed from the inside out, planned to support and facilitate a challenge-based learning model focused on engaging students in their own learning, and collaboratively designed by the stakeholders who will benefit from its realization. The unique planning strategies and processes that our educational planning team developed and facilitated have resulted in learning environments that directly respond to the needs of specific learning activities and learning styles, and these strategies and processes will serve as the model for how we go about planning and designing schools for the future.

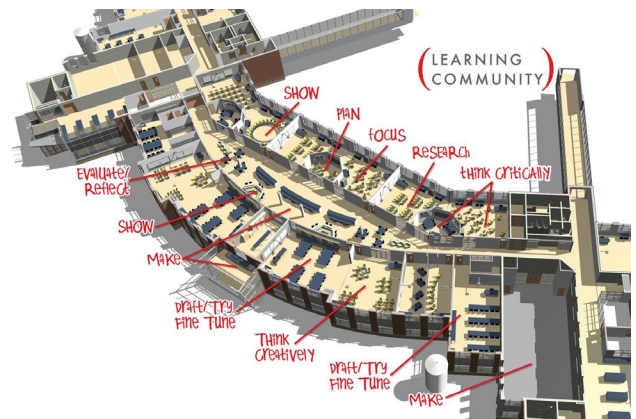
SBBCC, the design team and consultants successfully designed and constructed the new Kellam High School, completing the project 3 months ahead of the original completion date. The project consisted of the construction of a two-story high school that accommodates six (6) communities of about 330 students, each with its own section. It has one main library, a courtyard with waterfall, a garden, and a 2,940 SF, 150-seat black box theatre. The school has an educational courtyard, outdoor classrooms, a gymnasium, and athletic facilities.

Kellam High School | pg. 2

The building consists of six Learning Communities; Technical/Career Education, Visual Arts, Music/Performing Arts, Gymnasium/Physical Education, Schola, Media Center, Admin/Welcome Center, Guidance Center. Cafeteria/Food Services, and Custodial/Building Services.

PROJECT FEATURES:

- Completed 3 months ahead of schedule
- Lowered cost \$10 million through best value and life-cycle analysis
- Multi-story / Stairwell
- Automatic Building Systems
- Security Electronics
- Utility Relocation & Replacement
- Adjacent Neighborhoods
- Wetland Mitigation
- Berms
- Road Improvement
- Stormwater System
- Green Infrastructure
- Parks and Trails
- Flexible Spaces
- Modular Classrooms
- Collaborative Space
- Work Space / Support Space
- Six Learning Communities
- Experimental Labs
- Breakout Spaces and Presentation Spaces
- Learning Commons Spaces
- STEM Classrooms & Labs
- 2,000-seat Gymnasium
- 800-seat Auditorium
- 145-seat Black Box Theater
- Educational Courtyard
- Interdisciplinary Teacher Workrooms
- 4,500-seat Stadium
- Synthetic Turf Football/Soccer Field
- Running Track
- Baseball and Softball Fields
- Eight Tennis Courts
- General Practice Fields and Facilities
- 2 Outdoor Basketball Courts
- Dining Facility for 750 Students with Full Commercial Kitchen
- Sustainable Design Features
- LEED Silver



Kellam High School | pg. 3



Innovative Learning Spaces

All Learning Community spaces were designed to facilitate student discussion and collaboration, as well as presentation and demonstration. The Learning Commons is at the core of each Learning Community, encouraging exploration and interaction.



Instructional Technology

Two Smart Boards and Three projectors in each Experiential Lab space give many avenues for the display of student work. Collaboration Stations allow small groups to share their laptop screens by connecting to a toggle and large display monitor.



Transparency

We worked with teachers to establish optimum levels of transparency, allowing visual connections between learning spaces for passive security and increased interaction and collaboration among students and teachers.



Flexibility

Moveable walls between the Commons and within the learning community allow spaces to be combined for large programs and unique uses. Moveable walls and modular classroom furniture allow spaces to be frequently and easily transformed for different functions.



Daylight

All common spaces are flooded with natural light and each classroom is designed with sloped ceilings and light-diffusing windows in order to capture the most daylight possible. This increases student productivity and reduces the need for electrical lighting.

Performing Arts

4,000 square feet for Central Music Library, Band Practice Field, Performing Arts Theater, Instrumental Music Multi-Purpose Space, Music Keyboard Lab, Large and Small Flexible Choral Practice Space, Flexible Large and Small Band Practice Space, Blackbox Theater, Instrument and Band Storage, and Outdoor Auditorium.

Educational Courtyard

The Educational Courtyard is a living model of sustainable growth and irrigation, recycled materials, and bio-retention/water infiltration.

Kellam High School | pg. 4



Kellam High School | pg. 5

The SBBCC + HBA + Kimley-Horn + WPL + SMF + MJT + GET team successfully designed and constructed the new Kellam High School, completing the project 3 months ahead of the original completion date.

Below is a summary of each firm's role in the project.

Site Identification

WPL completed a feasibility study with a local architecture firm to examine the 1962 high school. The team made a recommendation to relocate and rebuild as opposed to renovating the existing structure. Five sites were identified by VBCPS as candidate sites for acquisition. WPL, working with the VBCPS and a local architectural firm, established a multitude of feasibility criteria and assessed each candidate site based upon those factors. Once the site was selected WPL was commissioned along with HBA in 2010 to design the new facility.

Design

HBA and VBCPS established three clear objectives that would define success for this project:

1. Involve full spectrum of stakeholders in collaborative planning and design processes to maximize the value of design-thinking across diverse networks and also to achieve both user and community "buy-in."
2. Design a high school facility that will facilitate and support the implementation of a new curriculum and assessment model founded on the principals of student-centered challenge-based learning and focused on developing skills in critical thinking, creative thinking, collaboration, communication, and community service.
3. Create challenge-based learning opportunities for Kellam High School students that are integrated into the planning and design process for the new school through a collaborative effort between the design team and school faculty and incorporate sustainable design strategies and themes into the school facility that will become embedded in the curriculum and that will encourage students to become engaged as lifelong-learners and sustainable-citizens.



Physical Manifestations

To orient spaces most effectively for education, recreation, administration, nourishment and other school-day activities, the HBA design team grouped particular parts of the school in arrangements based on their function. Challenge-based learning areas extend along an arc on one side of the complex, for instance and in turn connect to all other areas via a general wheel-and-spoke plan, with common space serving as the hub, as well as a dining area.

The entire school is designed for flexibility. All interior room partitions are nonstructural; reconfiguration of the school's interiors at some distant date can be achieved with minimal cost. Redesigned desks (for students and teachers), partitions, presentation boards and tables provide workspace and storage that can be readily rearranged to form small-, mid-, size-, and large-group interactive seating. All areas have wireless Internet access; areas for creative, production, presentation and evaluation tasks are designed specific to those tasks yet grouped by learning communities.

Kellam High School | pg. 6

Collaborative Planning & Design Processes

We firmly believe that collaboration between stakeholders of diverse viewpoints adds value to planning and design. Accordingly, the project team facilitated many collaborative planning and design processes that resulted in forward thinking and unique solutions that have culminated in a truly remarkable educational facility for 21st century learning:

- Educational specifications workshops
- Building planning & design charrette workshops
- Site planning & design charrette workshops
- Furnishings & equipment planning & design charrette workshops
- Educational courtyard design charrette workshops

Design Consultants

Kimley-Horn provided innovative site design for Kellam High School. Kimley-Horn prepared all stormwater management design. The design provided for zero discharge for storms up to a 10-year event and attenuation of stormwater discharge up to a 100-year event. To achieve this, Kimley-Horn worked with the design team to design on an extensive connected system including cisterns, bioretention basins, porous pavement, and underground infiltration.

WPL also performed landscape design, site design, civil engineering, conceptual plans, and arboricultural planning and design.

MJT provided M/E/P engineering services for the new Kellam High School and **GET Solutions** provided geotechnical/environmental services.

Sustainability

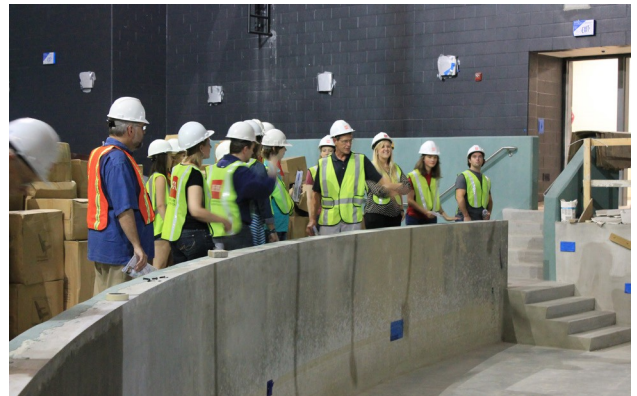
Unique sustainability features to the new Kellam range from the use of rainwater to irrigate ball fields, to treating storm water on site, to the design of an edible garden adjacent to the culinary arts classroom, and a vegetative roof that is accessible from the second floor art rooms. In addition, the core of the new building is designed to withstand a Category II hurricane. Integrated energy, water and related system efficiencies will result in continued operational savings to be realized throughout the life of the building.



Kellam High School | pg. 7

Sustainable Design Features

- Roof rainwater harvesting for irrigation of play fields
- Site retains and infiltrates rainwater thereby reducing impact to municipal stormwater facilities
- Vegetated roof / art courtyard
- Courtyard benches made of site-reclaimed hardwood trees
- Reforestation buffer between KHS site and Victoria Park
- Bicycle storage
- Recycled content materials used
- Bamboo wood floor in gym
- Low VOC emitting materials
- Cool roof to minimize solar heat gain
- Facilities planned for community use
- Provisions for recycling included in design
- Water-use reduction with low-flow fixtures
- Energy saving HVAC system with geothermal wells
- HVAC system commissioning
- Indoor air quality building flush & testing
- Light pollution reduction
- Daylight harvesting
- Construction waste management



Structural Engineering

SMF served as Structural Engineer of Record and Agent 1 Special Inspector for the new Kellam High School.

Construction

VBCPS utilized a pre-qualification process when bidding the Kellam project, and while **SBBCC** met the criteria and had the lowest bid, the bid was over the budget. SBBCC worked closely with HBA and design team consultants to lower the cost by \$10 million through best value and life-cycle cost analysis. In-house estimating experts provided solutions to lower the cost while still maintaining quality.



SBBCC was responsible for bidding the job, selecting qualified bidders, viewing the site, making sure the soil reports were correct, analyzing the local weather conditions, building the schedule, and verifying minority participation was met. During the project, the team coordinated over 74 subcontractor firms and over 600 workers on a daily basis.





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PROJECT TEAM

SBBCC + RRMM + Livas
Kimley-Horn + WPL + SMF
MJT

Norfolk Public Schools Modernization Project (Design-Build PPEA)

Norfolk, Virginia

OWNER

City of Norfolk /
Norfolk Public Schools

PROJECT SIZE

Southside STEM Academy	181,489 SF
Richard Bowling Elementary	101,060 SF
Larchmont Elementary	92,655 SF
Ocean View Elementary	92,286 SF
Camp Allen Elementary	97,492 SF
Total	564,982 SF

PROJECT COST

\$128,004,346

PROJECT STATUS

Southside STEM Academy at Campostella K-8	May 2016	Completed 70 days ahead of schedule
Richard Bowling Elementary	July 2016	Completed 14 days ahead of schedule
Larchmont Elementary	May 2017	Completed 85 days ahead of schedule
Ocean View Elementary	July 2017	Completed 29 days ahead of schedule
Camp Allen Elementary	Oct. 2019	Completed on schedule



Norfolk Public Schools Modernization Project | pg. 2



Norfolk Public Schools Modernization Project | pg. 3

The SBBCC + RRMM + Livas + Kimley-Horn + WPL + SMF + MJT project team was awarded the contract to build five (5) schools for the City of Norfolk, totaling 564,982 SF. This project involved the design and construction of these new facilities at five (5) different locations and demolition of the older existing facilities. The Project Team performed the work in overlapping phases which allowed all five schools to be completed in a 5 year span. All five (5) schools were completed on or ahead of schedule.

The Public-Private Partnership / Design-Build process provided the platform for the Project Team to engage the public in numerous community meetings throughout Norfolk, VA. The team held forums in each area's school zone to gather community input and discuss plans for each new school.

The Project Team took the public input from the community meetings and incorporated this feedback into the different programs that were outlined by the City of Norfolk and Norfolk Public Schools (the City and School System). Special attention was also given to the existing design and construction of the surrounding buildings as well as the specific needs of the local neighborhoods and businesses for the new school construction.

One (1) of the five (5) new schools is located within the City of Norfolk but resides on federal property of a densely populated Military Installation that is home to some of the nation's most trained counter- terrorism personnel. This unique situation posed challenges regarding access to the site, multiple inspecting authorities, and additional requirements. Because of the use of the PPEA / Design-Build process, SBBCC worked closely with the City of Norfolk and the Federal Government to ensure that all design features and security requirements were closely monitored and incorporated into the design and construction of this school.

The City and School System saved millions of dollars in design, engineering, construction costs and FF&E costs through economies of scale for design and construction and bulk purchases of materials and equipment. This approach saved valuable time and money during the development of construction drawings.

Constructability issues were minimized through the schools to the new school buildings with no interruption. This detailed, multi-phased success story is a testament to S.B. Ballard Construction Company's due diligence in working with the local communities, City and School System to learn about their needs and deliver on our commitment.



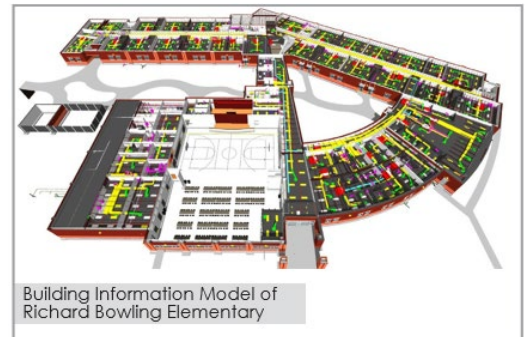
Public Engagement Meeting



Public Engagement Meeting

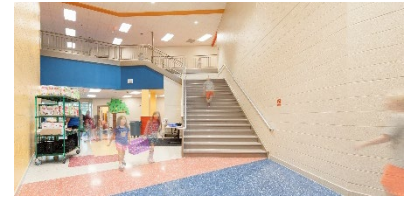


Public Engagement Meeting



Building Information Model of
Richard Bowling Elementary

Norfolk Public Schools Modernization Project | pg. 4





PROJECT TEAM

SBBCC + RRMM + SMF + MJT

OWNER

Wise County Public Schools

PROJECT STATUS

Completed January 2014

PROJECT SIZE

258,546 SF + Demolition

PROJECT COST

\$ 50,000,000

UNION HIGH SCHOOL & CENTRAL HIGH SCHOOL WISE COUNTY (DESIGN-BUILD PPEA)

Wise, Virginia | Big Stone Gap, Virginia

Wise County Public Schools (the "Owner") needed to replace several aging high schools and consolidate the students into two new high schools. A creative yet budget-sensitive approach was needed. SBBCC, RRMM Architects, Lynch Mykins, and MJT submitted a successful Public-Private Partnership / Design-Build proposal to design and construct the two new high schools.

Project Features:

Each 129,273 SF building includes an:

- Auditorium with capacity of 800 seats
- Gym with 1,500 seats
- 3 girls' locker rooms
- 3 boys' locker rooms
- 40 classrooms
- Modern media center
- Elaborate arts wing
- 2 new and fully equipped science labs
- 6 computer labs
- Wireless technology throughout the building
- Enhanced surveillance and safety measures
- Dining and kitchen space consisting of 22,215 SF

Union High School & Central High School | pg. 2

Site Selection

The construction of Central High School was initially delayed by the Owner due to multiple site selections. SBBCC and the Design-Build project team offered to assist with the testing, analysis, and final selection of the site. This site selection process delayed the project by 5 months. Nevertheless, the team completed the project on-time and within budget. SBBCC saved 3 months on the project schedule by expediting the foundations and the project team got “out of the ground” before cold weather hit. SBBCC had 7 excavators working; 5 of them were doing the foundations; dump trucks were being loaded with the spoils as they excavated the footings and moved it to the motor grader in the distance for fill where the football field was going. The construction team recovered all of the months lost at no additional cost to the Owner.

Design Development

The design was based on a prototype school, with a total net square footage area of 121,070 SF, including the auditorium, serving 750 students. Each school building was designed to minimize energy costs and assure that the end products met the highest standards of quality, while being capable of exceptional longevity.

Primary entrances open to a central ‘Main Street’ corridor that connect, as well as separates common use areas from the basic Learning Center areas. This allows the classroom area in each school to be easily secured from public use spaces (Dining Area, Gymnasium, Auditorium, Administrative Suite) during non-school hours to facilitate the use of the schools by residents of the County for various social groups, civic clubs, etc. so that the entire county realizes direct benefits from this new investment.

The classroom wings are partial two-story structures in order to conserve limited land area. They are composed along a double-loaded corridor to promote an efficient building design. The media center, teacher planning spaces, student locker pods, storage rooms, resource rooms, computer labs and toilets are strategically located for convenient access. The classroom wings are oriented to the sun to the greatest extent possible, in a way to maximize the opportunities for effective natural lighting strategies and to provide access to an outdoor space for select classes and dining opportunities.



Union High School & Central High School | pg. 3

Energy Savings

The natural lighting strategies that have been developed for these schools represent a truly cost-effective and energy saving technique and are integral to creating a welcoming and open indoor environment. The major elements of the new schools will be oriented on the site to take advantage of the east-to-west path of the sun. Clerestory windows, directional light accessories, white primary roofs, top lighting applications and interior window applications will work in concert to provide natural sunlight to the classrooms, art center, gymnasium, dining area and media center as well as other high-use spaces. Some additional sustainable design features of the buildings include:

- Exterior vision windows glazed with double-insulating
- Low-E glass
- Light-colored roofing materials used to reduce heat gain and reflect sunlight
- Occupancy sensors
- Indirect fluorescent lighting - dimmable and controlled by photo-cell sensors
- HVAC equipment sized for seasonal and hourly loads, rather than peak/maximum loading

Close-Proximity Construction and Demolition

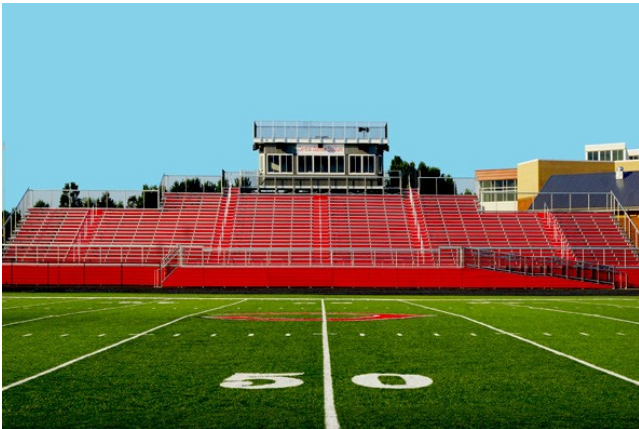
Union High School was constructed within 25 yards of the existing, active high school. Safety of students, faculty, staff, and visitors was top priority on this project. The S.B. Ballard team was extremely cognizant of school openings, closings, and extra curricular activities. S.B. Ballard also communicated with the School System to minimize disruptions to the normal operation of the school. Both schools, Union and Central High School, were constructed safely, on-time, and within budget.



Union High School & Central High School | pg. 4



Union High School & Central High School | pg. 5







PROJECT TEAM

SBBCC + RRMM

OWNER

Suffolk
Public Schools

PROJECT STATUS

Completed 2005

PROJECT SIZE

277,910 SF
1,800 Students

PROJECT COST

\$27.5 Million

KING'S FORK HIGH SCHOOL

Suffolk, Virginia

RRMM designed and SBBCC constructed this new 1,800-pupil Kings Fork High School for Suffolk Public Schools (SPS). SPS embraced a fully decentralized but extremely flexible grade house concept. Vertical circulation is minimized by the provision of four single-level grade houses. Initial planning included one ninth grade house and three equally divided houses for grades 10, 11, and 12. The plan can easily accommodate variations in grouping.

Each house contains space for an assistant principal, guidance counselor, teacher work areas, general classrooms, science labs, and resource spaces in addition to 2-3 specialized career/ technical subjects. A guidance suite was also included near Main Administration to allow for flexibility. Science labs were designed for flexible use with only Chemistry having a necessary uniqueness. Each pair of science lecture spaces shares a wet lab and preparation area separated by operable partitions. Specialty subjects such as Agriculture, Work/Family Studies, Health, JROTC, and Liberal Arts that are not suited for location within houses are properly placed according to need and required access. Instructional areas typically share a small computer lab, which requires less building area but offers more computers per classroom when time-sharing is utilized.

Kings Fork High School | pg. 2

“SCHOOL WITHIN A SCHOOL CONCEPT”

The houses are connected to a curved inner corridor that follows the perimeter of a large interior courtyard leading to the cafeteria/commons. In addition to providing an abundance of natural light to the building's interior, the courtyard includes an amphitheater, landscaped social areas and an outdoor dining area located outside the cafeteria. The amphitheater, auditorium and “black box” theater are among several spaces offering large group instruction capability. The media center is located over the main entrance and is accessible by the public after hours.

The building has a main gym that seats all 2,000 along with two basketball courts. The auditorium has seating for 870 students and the facility also has a black box theater with seating for 150.

Kings Fork has a two story 19,000 square foot atrium dining facility with adjacent food court. And an 8,000 square foot courtyard containing a secure outdoor dining area and amphitheatre. The amphitheater for events and occasions.

A 4,000 seat stadium with track, tennis, soccer, field hockey, baseball and softball fields is located behind the school.

Sustainable Features:

- Bicycle storage
- Recycled content materials used
- Low VOC emitting materials
- Cool roof to minimize solar heat gain
- Facilities planned for community use
- Provisions for recycling included in design
- Water-use reduction with low-flow fixtures
- Energy saving HVAC system with geothermal wells
- HVAC system commissioning
- Indoor air quality building flush & testing
- Light pollution reduction
- Daylight harvesting, and construction waste management





FIRST FLOOR



SECOND FLOOR





PROJECT TEAM

SBCC + RRMM + Livas
Timmons + Lynch Mykins
MJT

OWNER

Richmond
Public Schools

PROJECT STATUS

Estimated Completion
July 2021

PROJECT SIZE

118,901 SF
+ Demolition

PROJECT COST

Estimate \$37,691,476

CARDINAL ELEMENTARY SCHOOL (E.S.H. GREENE)

Richmond, Virginia

The new ESH Greene Elementary School, renamed Cardinal Elementary School, accommodates 1,000 students. This 118,901 square foot, two-story, state-of-the-art facility, is designed to include school and community green space, be energy efficient and feature highly-advanced security systems.

The new elementary school was built adjacent to the existing school which remained fully operational during construction. Now that new construction is complete the existing elementary school vacated, it is being demolished and completion of any remaining site construction and improvements are being performed.

Site construction consisted of work on approximately 14.98 acres, including erosion and sediment control measures, clearing and grubbing, storm water piping and retention ponds, building pad preparation, utilities including a forced main sanitary system, temporary and permanent parking areas and driveways, bus loop, concrete walks, areas of concrete and segmented retaining walls, fencing and other miscellaneous site work.

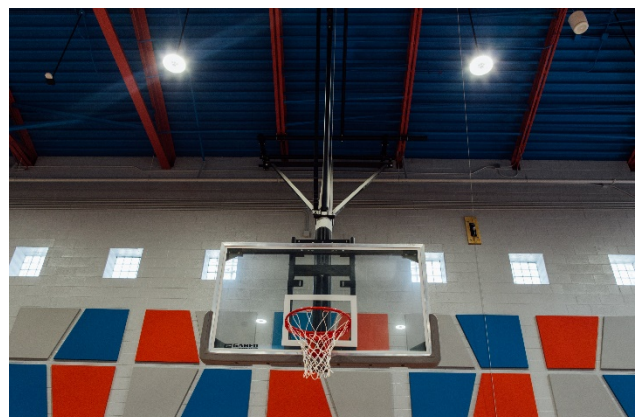
Cardinal Elementary School | pg. 2

The construction consisted of a combination of a steel framed structure and load-bearing exterior masonry. The superstructure is comprised of slab on grade concrete floors with elevated composite slab areas supported by a steel frame system with beams, columns, and joists. Exterior walls are primarily brick with aluminum composite metal panel systems. Exterior windows and doors are prefinished curtain wall and storefront systems. The roof is a combination of asphalt shingle, single ply polyvinyl-chloride, white membrane and standing seam metal roof all with prefinished metal copings and trim. The interior floors are primarily terrazzo and rubber tile products with areas of carpet tile. Interior walls are painted concrete masonry unit and impact resistant gypsum drywall. Ceilings are suspended acoustical ceiling tile and wood slat materials.

Building equipment includes kitchen equipment and systems, hydraulic elevator and media center furnishings. Mechanical system is rooftop HVAC packaged units with air distribution provided through a Variable Air Volume ("VAV") system. Plumbing systems are sanitary, storm, domestic hot and cold water and fire protection sprinkler piping. Electrical systems are lighting, power and low-voltage systems for auxiliary systems.

Project Features:

- Phased Demolition
- Demolition next to an active school
- Community Green Space
- Advanced Security System
- New Bus Loop
- Teaching Spaces Equipped with Marker and Tack Boards
- Culinary Kitchen
- Flexible Classrooms
- Site Development



Cardinal Elementary School | pg. 3



Cardinal Elementary School | pg. 4





PROJECT TEAM

RRMM + Kimley-Horn
WPL + MJT

OWNER

Virginia Beach City
Public Schools

PROJECT STATUS

Completed 2017

PROJECT SIZE

225,785 SF
1,375 Students

PROJECT COST

\$63,360,000

OLD DONATION SCHOOL

Virginia Beach, Virginia

Virginia Beach City Public Schools replaced the existing Old Donation Center Elementary School and Kemps Landing Magnet Middle School facilities with a single modern school to serve second through eighth grade students.

RRMM worked with project stakeholders to program and design a new school that would bring together three existing Gifted Education programs located at two different schools.

The Old Donation School is home to 1,375 gifted learners in grades 2 through 8 from throughout the City. The facility is also home to Virginia Beach's 175-student Dance and Arts Pull Out Program.

VBCPS tasked RRMM team with preparing educational specifications, studying various sites, designing the new facility, preparing documents for receiving construction bids and monitoring construction through to occupancy of the new facility.

Through site placement, building forms, tight envelope, daylighting, and advanced hybrid HVAC, the project aims to achieve ultra-low energy consumption.

Old Donation School | pg. 2

VBCPS requested maximum energy savings with no impact to project cost. The design team modeled daylighting design allows owner to use 44% less lighting energy while students and staff gain the productivity and health benefits of natural light. The design team worked multiple HVAC and envelope options to achieve a total energy savings of over 32%. Because ODS is a rebuild on a tight semi-urban site, it was important to not add stormwater burden to neighbors and surrounding streets. By storing rainwater for toilet flushing, constructed wetlands and subgrade stormwater storage, the project infiltrates all stormwater from 10-year storm events back into the ground below the site.

Building on past projects, ODS integrates architectural forms derived from curriculum - exposed building systems, architectural forms cues from curriculum, exploratory signage, variety of exposed materials for investigation, interactive rainwater collection and more.

WPL led the efforts for a site selection and feasibility study to pick the site, and was retained to survey and master plan the chosen site. WPL also provided complete construction documents for implementation.

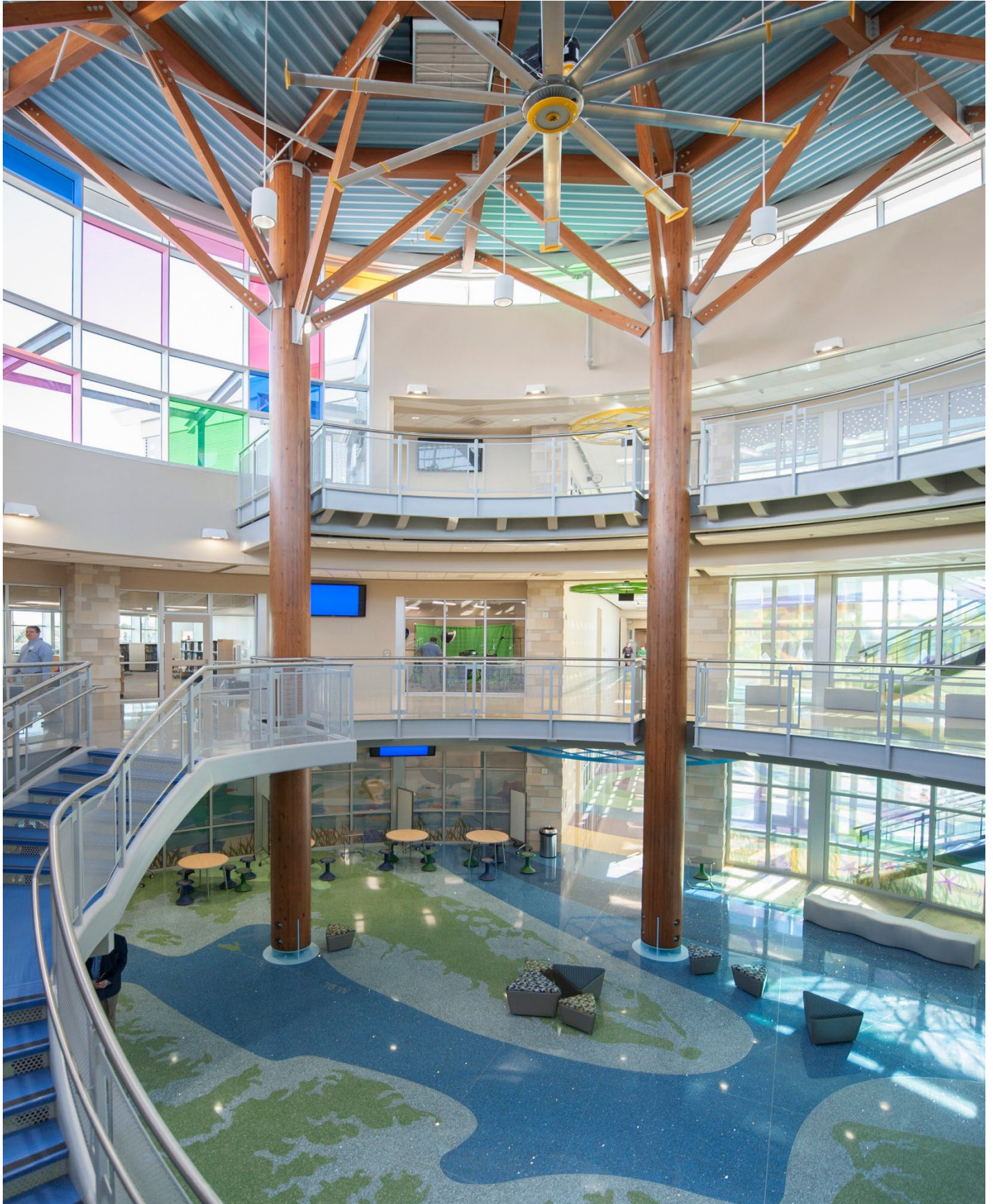
Kimley-Horn assisted with a site selection study to determine the most suitable location for the new 225,000 square foot facility. The new school site was designed to allow zero discharge for storms up to a 10- year event. The site also contains a stormwater runnel, bioretention area, extensive geothermal well field, and a wide variety of educational site components. Kimley- Horn prepared the site plans including layout, grading, stormwater design, utility design, and erosion control. This project also involved replacement of existing baseball fields at Point O' View Elementary School and site improvements at Princess Anne Middle School to accommodate the students displaced during construction.



Old Donation School | pg. 3



Old Donation School | pg. 4



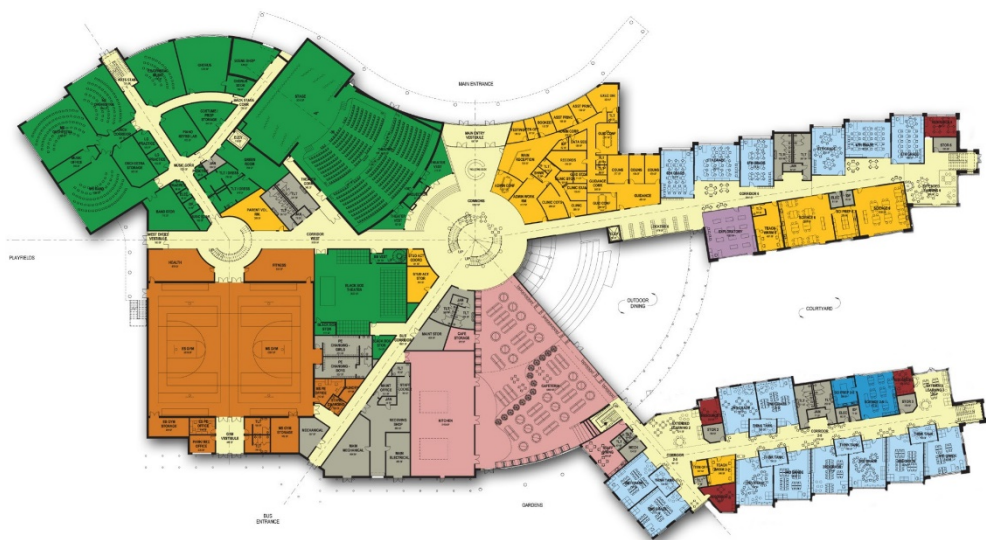
Old Donation School | pg. 5



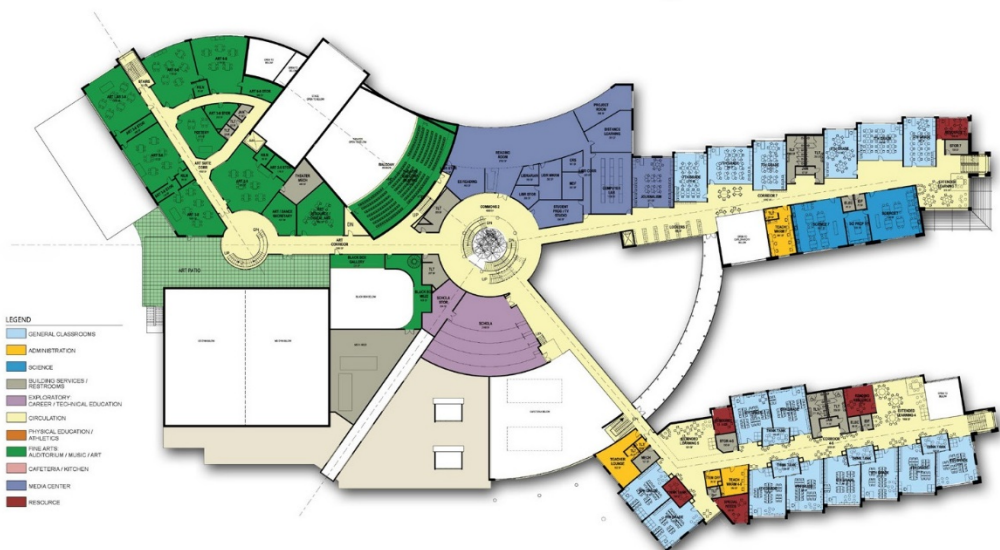
Old Donation School | pg. 6



FIRST FLOOR

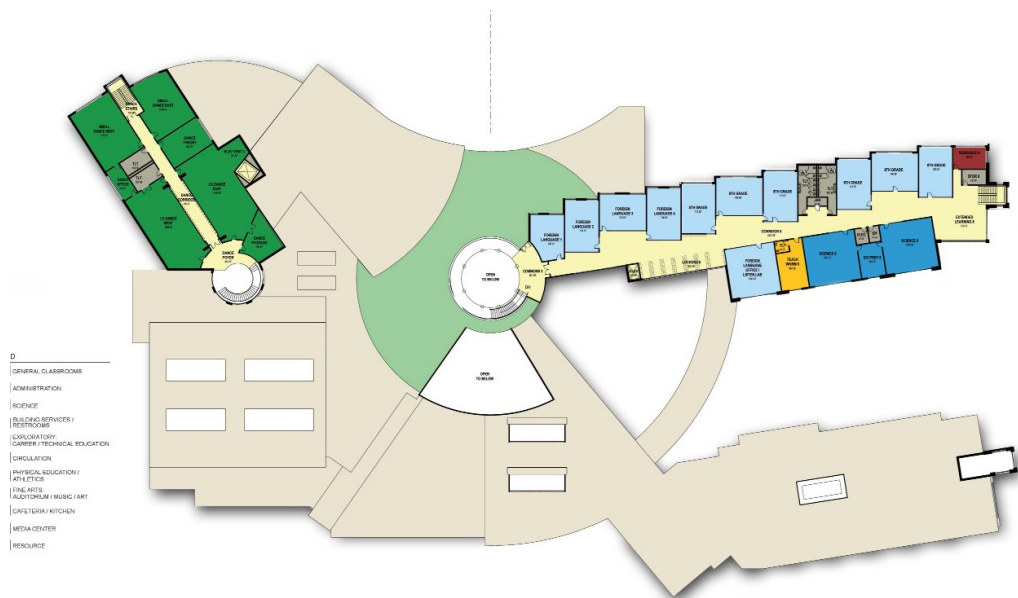


SECOND FLOOR



- LEGEND
- GENERAL CLASSROOMS
 - ADMINISTRATION
 - SCIENCE
 - BUILDING SERVICES / RESTROOMS
 - EXPLORATORY / CAREER / TECHNICAL EDUCATION
 - CIRCULATION
 - PHYSICAL EDUCATION / ATHLETICS
 - FINE ARTS / AUDITORIUM / MUSIC / ART
 - CAFETERIA / KITCHEN
 - MEDIA CENTER
 - RESOURCE

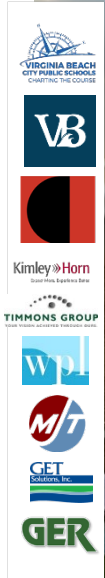
THIRD FLOOR



- D
- GENERAL CLASSROOMS
 - ADMINISTRATION
 - SCIENCE
 - BUILDING SERVICES / RESTROOMS
 - EXPLORATORY / CAREER / TECHNICAL EDUCATION
 - CIRCULATION
 - PHYSICAL EDUCATION / ATHLETICS
 - FINE ARTS / AUDITORIUM / MUSIC / ART
 - CAFETERIA / KITCHEN
 - MEDIA CENTER
 - RESOURCE



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PROJECT TEAM

SBCC + HBA + Kimley-Horn
WPL + SMF + MJT + GET

OWNER

Virginia Beach City
Public Schools

PROJECT STATUS

Scheduled Completion 2021

PROJECT SIZE

257,784 SF
1,500 Students

PROJECT COST

Estimated \$77.9 million

PRINCESS ANNE MIDDLE SCHOOL

Virginia Beach, Virginia

RRMM was selected to design the replacement for Princess Anne Middle School (PAMS). The new 250,000 square foot building will be designed for 1,500 learners in 6th, 7th and 8th grade.

PAMS will collect roof rainwater for toilet flushing, saving just under one million gallons of drinking water each year. Collected rainwater will also be used for student experiments and proofs as part of their curriculum. Following our strong emphasis on daylighting, the Client will save money on needing significantly less electric lighting. PAMS students and staff will have the productivity, health, and good-feeling benefits of natural daylight throughout the school.

The Princess Anne Middle School design also provides safe outdoor learning spaces with a curriculum courtyard secured from public, a "green roof," a large theater, fitness room, an indoor walking track above the gym and many alternative seating areas for students.

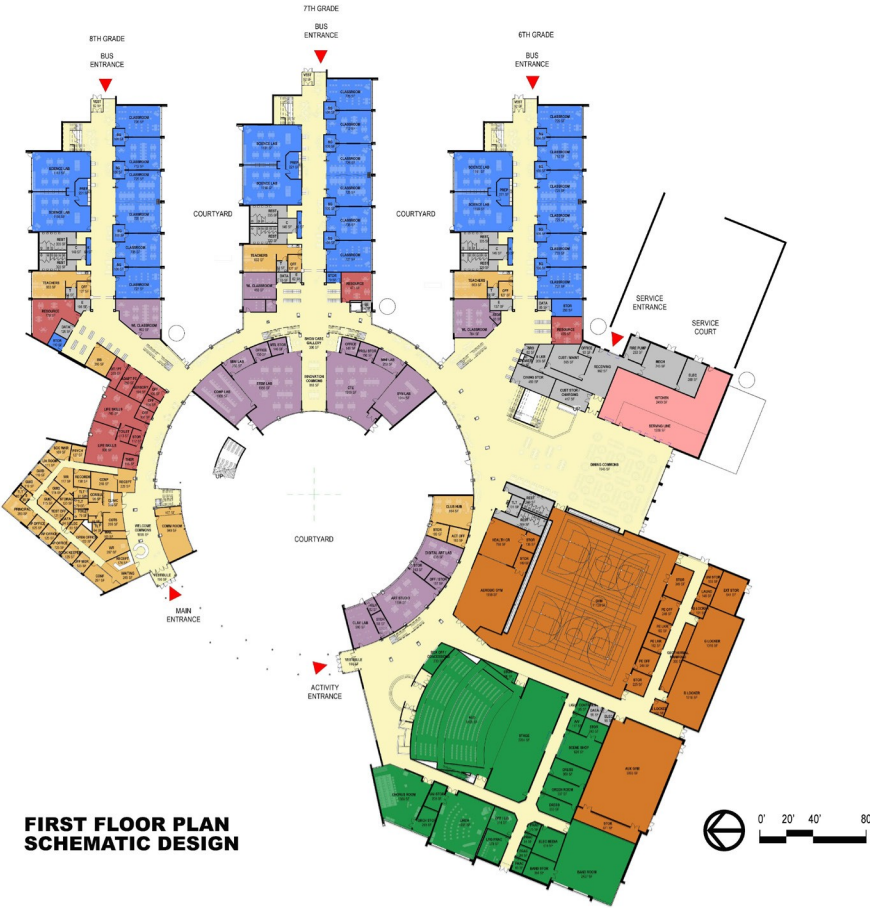
Princess Anne Middle School | pg. 2



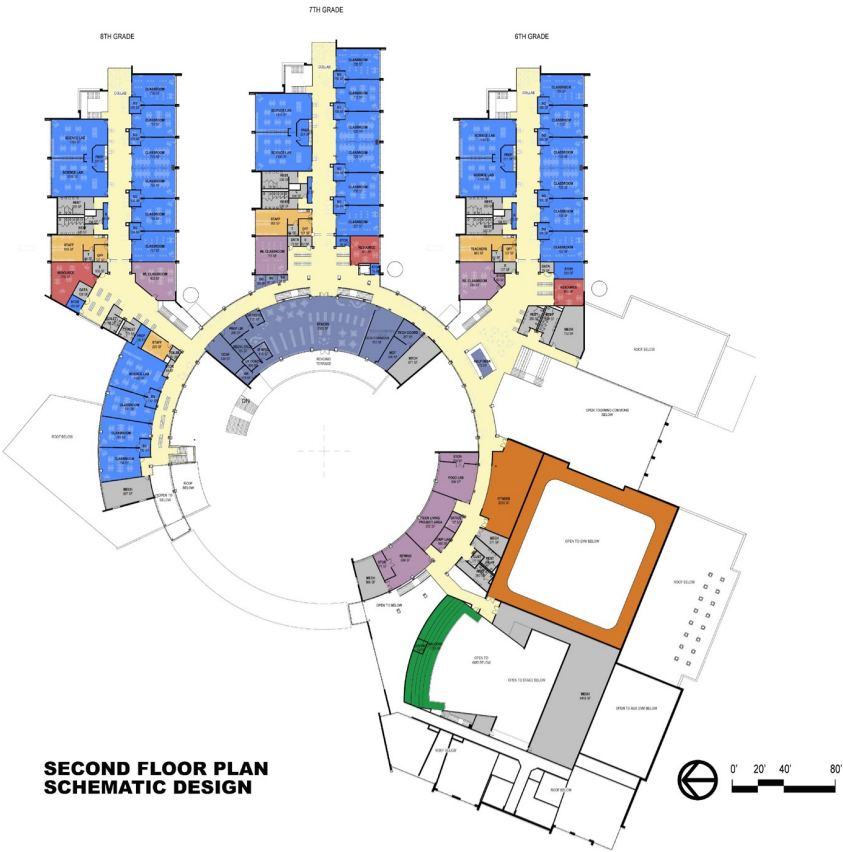
Princess Anne Middle School | pg. 3



FIRST FLOOR



SECOND FLOOR





PROJECT TEAM

RRMM + WPL + MJT + GER

OWNER

Virginia Beach City
Public Schools

PROJECT STATUS

Completed 2010

PROJECT SIZE

289,000 SF

PROJECT COST

\$51,900,000

RENAISSANCE ACADEMY

Virginia Beach, Virginia

This facility for Virginia Beach City Public Schools is a special place for kids that need help getting back into the educational mainstream. Our main challenge with this design was a small semi-urban site with one building and 6 main autonomous programs with multiple sub-programs – none of which previously shared a facility.

Our Design Team hosted over 50 meetings engaging all user groups to determine needs and carve a plan out of spatial relationships and environmental context. These users wanted a facility with “curriculum crafted spaces, but spaces also inspired curriculum.” They also expressed that “We know of no project around the country that has brought together these types of programs under one roof.”

Renaissance Academy brought together programs that were housed in scattered, less-than-desirable facilities:

- Middle School for academically and behaviorally challenged students
- High School for academically and behaviorally challenged students
- Southeastern Cooperative Education Programs (SECEP) Students – a regional education program serving special needs students.
- The Princess Anne School for Pregnant Teens

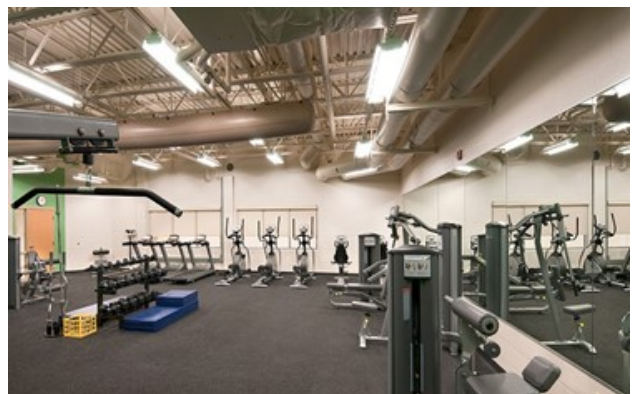
Renaissance Academy | pg. 2

The two story "H" design effectively provides each program with its own building while the core provides for the needs common to all. Each of the main programs includes separate administration spaces and collaboration/work space for instructors with "Teacher Centers". Educational program spaces include the following:

- Core Curriculum Classrooms
- Independent Living Classroom
- Remedial Math and Reading Rooms
- Distance Learning Labs
- Art Classrooms
- Band, Choral and Experimental Music Rooms
- Building Trades and Maintenance Labs and Classrooms
- Technical Education Lab and Classrooms
- Business Education Lab and Classrooms
- Teen Living Classrooms
- Culinary Arts Lab Kitchens, Classrooms and Café
- Office Counseling Suite and Conference Rooms
- 12 Full Science Labs
- High School Library and Middle School Library
- Online Computer Labs - in-school self-paced/directed achievement
- Gymnasiums
- HS and MS Fitness Rooms
- Health Classrooms
- Recreation Rooms (Incentive-Based)
- Horticulture Classroom and Greenhouses - producing food for school and public sale
- Ropes Course and Classroom (Team Building)

Part of the project site included the first public African-American school in the region. The Princess Anne County Training School, renamed Union Kempsville High School, was originally built in 1938 by the African-American community for the local African-American youth. When desegregation brought all students together, the local school system closed the school and located various other facilities on the site.

With little of the historic school intact, the school board decided to devote 2000 SF within the new facility for the Union Kempsville Exhibit. The public-accessible, museum-quality exhibit displays artifacts and stories telling the African-American education experience to future generations.



Renaissance Academy | pg. 3

It might appear more profitable to sell the highly valuable in-town property for remote location “green-field” development. However, the Virginia Beach City Public School Board made a decision to remediate its 26- acre site and provide the best facility it could. Knowing millions of dollars would be spent for hazardous material abatement, underground tank removal and unsuitable soils removal, the School Board played a critical role as environmental steward and redevelopment catalyst by returning the property to a safe, desirable community asset.

The building has achieved the USGBC’s LEED Gold rating. Some of its many features include:

- Load bearing concrete block walls
- Steel Joist Floor and Roof Framing
- Brick, Metal Panel and Aluminum and Glass Curtain Wall Skin
- Combination of roofing materials – 3-ply Modified Bitumen, Single-ply energy star Membrane, Vegetated (Green) Roof, Standing Seam Metal Panel
- Ground Coupled Heat Pump (geothermal) HVAC – 522 wells, 400 feet deep each
- Daylit spaces, supplemented with dimming ballast electric lighting with photosensor and occupancy sensor controls
- Terrazzo flooring throughout with some carpeted, cementitious composite tile, ceramic tile and stained concrete areas (no VCT)
- Rainwater collection used for toilet flushing
- Siphonic roof drain system – less drains, smaller pipe diameter, level pipe runs
- No-water urinals





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PROJECT TEAM

HBA + Kimley-Horn + WPL SMF +
GET + GER

JOHN B. DEY ELEMENTARY SCHOOL

Virginia Beach, Virginia

OWNER

Virginia Beach City
Public Schools

PROJECT STATUS

Completed 2020

PROJECT SIZE

64,737 SF renovation
42,321 SF addition
107,058 SF total modernization
800 Students

PROJECT COST

Approximate \$25,000,000

The HBA + Kimley-Horn + WPL SMF + GET + GER project team delivered a complete school modernization which now provides John B. Dey Elementary students with a flexible, 21st century learning environment including a spacious outdoor courtyard in the middle of the school.

This project consisted of the expansion and renovation of the 107,058 square foot elementary school into a modernized facility capable of supporting a modern primary school educational program. Key features of this **HBA** design included five 2-classroom additions around the building, as well as an Extended Learning Area for each grade level. A new Gym/Cafetorium addition with stage and kitchen and a modernized Media Center, administration area, main building entrance, bus drop off entrance, clinic, teacher workrooms, and public restrooms. Parent drop-off and bus drop off were separated and staff and visitor parking were reconfigured and separated.

Key planning issues included phasing of the new construction and renovation work to minimize disruption to ongoing school activities and addressing community concerns with the existing site circulation, while creating a cohesive new building capable of supporting 21st century learning.

John B. Dey Elementary School | pg. 2

The existing school occupied a 12.3-acre site and the project was an occupied renovation. The plans called for extensive site upgrades to parking, access, drainage, and playgrounds; the renovation of the existing facility; and a 40,000 square foot building addition.

The modernization was conducted in phases to allow the school to remain operational throughout the process.

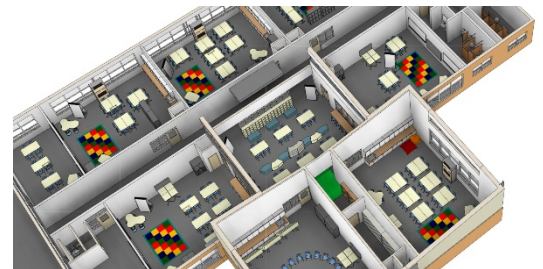
Kimley-Horn and **WPL** provided civil engineering services for the modernization of John B. Dey Elementary School. Services include site design, wetland delineation, traffic studies, utility and drainage design, stormwater management, and bidding and construction services.

SMF served as Structural Engineer of Record and Agent 1 Special Inspector for the project.

GER provided environmental services and **GET** provided geotechnical services.

A new geothermal heating and air conditioning system was installed, and an open courtyard in the middle of the school was added. The old gym was also demolished.

Kindergarten through third grade classrooms are now in the new wing along the North Great Neck Road side, which was formerly the front of the school. The blue, green and beige décor represents the sand, sea and sky.



John B. Dey Elementary School | pg. 3

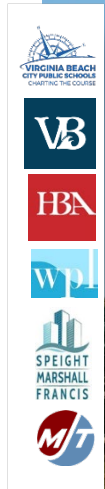


John B. Dey Elementary School | pg. 4





2010 Virginia Beach Planning Commission Design Award for Sustainable Development
2009 Virginia Beach Stewardship Development Award for Significant Achievement
2011 VSBA Exhibition of School Architecture Awards, Platinum Design Award



PROJECT TEAM

HBA + WPL + SMF + MJT

OWNER

Virginia Beach City
Public Schools

PROJECT STATUS

Completed 2010

PROJECT SIZE

189,730 SF
924 Students

PROJECT COST

\$39,325,363

VIRGINIA BEACH MIDDLE SCHOOL

Virginia Beach, Virginia

Virginia Beach Middle School (VBMS) is unlike any other school in Virginia Beach. Sitting just blocks from the oceanfront and nestled into a very small site in an established residential community proved a challenge for the design team. The character of the neighborhood block structure and its architectural style had to be addressed by a school building and site design fitting in scale and texture. These issues were overcome by stacking the building footprint into 3-stories, stepping back the height toward the existing residential homes, and mimicking an Arts & Crafts architectural style already resonate in the community.

The VBMS Replacement serves 924 students, accommodating the VBMS zone students plus 200 division-wide middle school students currently enrolled in the Old Donation Center for the Gifted and Talented Visual Arts Program.

HBA's programming, planning and design was critical given the extremely constrained site which necessitated that the classroom wing be 3-stories to accommodate the student population on a small footprint.

Virginia Beach Middle School | pg. 2

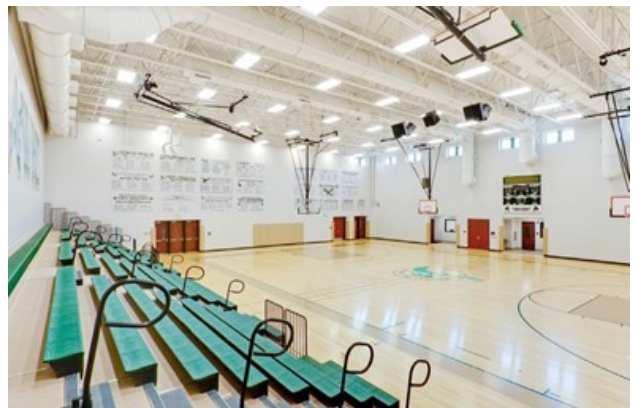
Building Design

VBMS was designed to complement the vision and residential character of the Old Beach Neighborhood. The following design features of the new facility respond directly to the Old Beach Design Guidelines:

- The architectural style for the new school can be characterized as a blend of "Beach Cottage" and "Craftsman" style houses of the Old Beach Neighborhood.
- The building footprint was designed to minimize impervious cover, while preserving open space.
- The building massing located the tallest elements as far as possible from public street right-of-ways. The elevation adjacent to 24th Street is one story in height (approximately 14 feet). The tallest elements - the classroom wings - were set approximately 110 FT back.
- Architectural features and details were utilized to break up wall massing and to endow a residential scale to the character of the design. Examples include: low and visually appealing rooflines, dormers, roof eave brackets, "Craftsman" style window detailing, shingle-style cement-fiber siding above brick foundations, tapered columns, and porch elements at all of the major entrances.
- Landscaping was designed to enhance the Old Beach Neighborhood streetscape with attractive and pedestrian-friendly sidewalks and indigenous plants. Street tree plantings help to reduce the perceived scale and mass of the VBMS building to the adjacent properties

Building Features:

- Second-floor media center
- Three-story classroom wing
- Connection to the Contemporary Art Center of Virginia via Ocean Walk
- Light-filled, three-story "spine" running the length of the building, acts as main circulation
- Top quality electrical and mechanical systems, designed to offer high energy efficiency
- Lobby security desk and state-of-the-art surveillance system
- Newly-completed athletic facilities
- Emphasis on natural light inside the building
- Exterior dining space adjacent to the cafeteria
- 450-seat auditorium



Virginia Beach Middle School | pg. 3

Site Design

The LEED Silver certified project adds street definition to the neighborhood gridded streets with column and hedge perimeter treatments around ballfields, structured bioretention beds, and on-street parking. The rear of the site is softened by gracious open space and a system of rain gardens and a multipurpose trail which connects to the neighborhood and a nearby park. As the landscape architect for this project, WPL was instrumental in all aspects of the site design from concept to completion.

The Virginia Beach Middle School project completely integrates the school site with the western marsh environment through pedestrian access as well as native planting design that expands the fabric of the existing wetland forest onto the school site. CBPA buffer plantings provide lower canopy habitat for wildlife and native tree plantings extend the forest canopy. The cafeteria and art classroom wings are completely open to the west and provide a panoramic view to the marshlands as well as the proposed rain gardens and shrub buffers. The landscape is designed to be self-sustaining. Turf areas are mainly limited to the athletic fields and a small area along the 24th street corridor. All plant materials installed on the VBMS site are native to Tidewater, Virginia and should not require any enhanced level of maintenance.



Virginia Beach Middle School | pg. 4



Virginia Beach Middle School | pg. 5





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TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
SBBCC



S.B. BALLARD
CONSTRUCTION
COMPANY

S.B. Ballard Construction Company (SBBCC) | DESIGN-BUILD CONTRACTOR

SBBCC was founded by its namesake, Stephen B. Ballard, in 1978, 43 years ago. During the early years of the company, the majority of the work performed was small residential and commercial concrete projects. The experience gained in those years paved the way for a progression into commercial construction. Assuming the role of general contractor, SBBCC began constructing increasingly larger and more complex projects.

We have successfully completed a long list of large-scale, complex projects of differing types, including a wide variety of public and private educational customers, K-12 facilities for several Virginia school systems, and an unmatched record of performance on many of the largest, most complex collegiate and university capital improvement projects in the state. Our focus on educational projects has increased to the point that for several years this segment of the industry has been the source of the majority of our overall volume.

SBBCC's history of growth in our region is admirable and a strong indicator of the dedication the company has to the clients it serves. By always acting as a strong advocate for the best interests of its customers, SBBCC has grown into a firm that employs hundreds of local residents, and can proudly say that 90% of our work comes from repeat clients.

It is of singular importance to note that SBBCC has never missed a client's deadline for beneficial occupancy of a project. SBBCC has a long and uncompromised record of delivering projects on-time, safely and within budget. We have a robust safety program that begins before construction starts and remains in place through the warranty period.

For this project, we have included the costs to secure 100% Payment & Performance Bonds for the full construction value of the entire project including design services. This will provide VBCPS with the highest attainable level of security, guaranteeing that the work is completed in full accordance with the completion dates and contract values to be agreed to by the principal parties. As the Developer/Design- Build Contractor, SBBCC will be the sole source for all project construction and completion guarantees, bonds, and warranties.



SBBCC has completed:

\$650m+

Construction of
Educational
Facilities

2.8m

Square Feet of
Education
Facilities

34

Education Buildings -
Built in Virginia

07

Schools Built Under
the PPEA Delivery
Method in Virginia

04

Schools Built in
Virginia Beach –
All on Schedule

SBBCC | DESIGN-BUILD CONTRACTOR



From outdoor learning space to a state-of-the-art gymnasium, a public institution to an elementary school playground, SBBCC offers collaboration and diverse education facility experience to deliver students the best learning environment at the greatest value.

VIRGINIA EDUCATION K-12 FACILITY EXPERIENCE

SBBCC's accomplishments in Virginia include some of the region's most impressive educational facilities. We are proud to have built the following schools for communities in the Commonwealth including:

- Floyd E. Kellam High School - Virginia Beach, VA
- Linkhorn Elementary School - Virginia Beach, VA
- Bayside Elementary - Virginia Beach, VA
- Thalia Elementary - Virginia Beach, VA
- *Southside STEM Academy at Campostella K-8 - Norfolk, VA
- *Ocean View Elementary - Norfolk, VA
- *Larchmont Elementary - Norfolk, VA
- *Richard Bowling Elementary - Norfolk, VA
- *Camp Allen Elementary - Norfolk, VA
- Kings Fork High School - Suffolk, VA
- *Union High School - Wise County, VA
- *Central High School - Wise County, VA
- Cardinal Elementary School (ESH Greene) – Richmond, VA
- J.R. Tucker High School – Henrico County, VA

**Indicates PPEA*

PUBLIC-PRIVATE PARTNERSHIPS

SBBCC's success in the PPEA delivery method derives from our understanding of the importance of teamwork, early program verification, and the inclusion of VBCPS, stakeholders, key subcontractors, and specialty engineers from the beginning of the project to ensure a high-quality facility for your students, faculty, staff, and visitors.

SBBCC will utilize the PPEA process to ensure the following for your new schools:

- Expedited schedules
- Significant Cost Savings
- Transparency and Collaboration with VBCPS
- Potential for substantial Energy Cost savings
- Add value as incubators for Economic Development

SBBCC is headquartered in Virginia Beach, with a second office in Richmond.



SERVICES

- Public-Private Partnerships / PPEA
- Project Concept and Development
- Construction Management
- Design-Build
- General Contracting
- Sustainable Construction/Green Building
- Pre-Construction Services
- Virtual Design Construction



MARKETS

- Education K-12
- Commercial
- Federal/State
- Healthcare
- Higher Education
- Industrial
- Mixed-Use/Housing
- Sports & Entertainment
- Transportation



SAFETY PERFORMANCE EMR

- 2020 - .77
- 2019 - .77
- 2018 - .76
- 2017 - .75

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PROVEN CONSTRUCTION TEAM

SBBCC is confident in the ability and leadership of Senior Project Manager Darrell Polokonis and Design-Build Project Manager Lloyd "TJ" Thomas to manage the design and construction of the project alongside the on-site Project Managers and Superintendents (yet to be determined for each school). Mr. Polokonis has over 38 years of experience working in the industry in the Hampton Roads and has mastered the skills needed to construct multiple, overlapping projects. Mr. Thomas was the Design-Build Project Manager on the Norfolk Public Schools (NPS) Modernization Project. His role was to oversee all five (5) NPS schools and has focused his attention to ensuring that any change made to one school was applied to each additional school. Mark Payne and Jason Armstrong will together lead the SBBCC team through pre-construction and they will manage all estimating functions of the project. Mr. Ballard will be the Project Executive providing guidance throughout the entire project.



NPS Storyboard Meeting



NPS Groundbreaking Ceremony



NPS Topping Off Party



NPS Topping Off Party



NPS Contractor Appreciation Lunch



NPS Contractor Appreciation Lunch

SAFETY PERFORMANCE AND CAPABILITIES

To us, safety is not just a program, but a commitment to our community and those who work for and around our operations. Throughout the course of the project our team will be pushing to create a safety culture onsite daily, weekly, monthly and quarterly. We strive to provide a safe working environment for all stakeholders involved both directly and indirectly to the project effort. Protecting the health and safety of employees on the jobsite is a full-time commitment. And, SBBCC is committed to integrating safety and health principles into our business practices through providing expert support and resources which drive our safety program beyond compliance and emphasize subcontractor safety qualifications and performance.

From our CEO to each member of the construction team, SBBCC's goal is to send everyone home at the end of the day in the same condition as when they arrived.

The commitment of a corporate Safety Manager and implementation of a project-specific safety plan on every project is the key to achieving this goal. Proactive in lieu of reactive safety management mitigates claims, schedule delays and reduces propensity for cost increases.

Each member of SBBCC's project team is responsible for implementing the SBBCC safety program, led by the project's full-time Safety Manager, James Garrett. He will directly support the jobsite and ensure information and support reach operations teams. He will manage the day-to-day operational safety integration by partnering with the site team to address challenges of a dynamic construction work environment.

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"Our intent is to create the safest work environment possible for our employees, subcontractors, customers, and visitors on all our projects. We are constantly evaluating our safety management system to ensure compliance and promote continuous improvement to our program."

- **James Garrett**
Safety Manager | SBBCC

Protecting the health and safety of employees on the jobsite is a full-time commitment.

PLANNING FOR SAFETY

The eventual success of any project begins with the quality of the initial planning. Integral to this success is the creation of a site-specific plan to provide a safe working environment, appropriate safety training and a strong safety consciousness by the workforce, including supervisors, subcontractors, construction workers and material suppliers.

SAFETY PREPARATION PRIOR CONSTRUCTION START

Once the safety plan has been developed, it will be reviewed prior to the start of any work on the project. Sample activities include:

- Holding meetings with all subcontractors to communicate the safety plan
- Ensuring the contractor includes the safety plan components in its project safety plan
- Conducting safety orientation meetings with all workforce personnel

SAFETY ACTIVITIES DURING CONSTRUCTION

Numerous safety related activities will occur during construction in order to ensure a safe working environment. These include but are not limited to:

- Weekly meetings with subcontractors will begin with a safety topic review; discussion of new safety requirements; a demonstration, or information regarding a recent safety violation; and how the violation can be avoided in the future.
- Meeting discussions of upcoming scheduled work will include discussion of any relevant safety measures that need to be taken.
- Emergency procedures are discussed with the subcontractors. The subcontractors are expected to share the procedures with their workers. Emergency procedures are also posted on the job site and in safety manuals.
- The safety manager will inspect work conditions daily and report any safety concerns to the project manager, project superintendent and the appropriate subcontractor supervisor. The safety manager will ensure corrections are made.
- Deliveries to the site or laydown area will be scheduled to minimize interruption of daily operations at the existing schools and pose the least hazards to the community. For example, steel may be scheduled for a 4am delivery to minimize disruptions.
- New safety regulations will be discussed in weekly meetings with subcontractors, posted for the benefit of the workforce. When appropriate, information regarding new regulations will be distributed to each member of the workforce.
- Any person on the job site, whether employee or visitor, must wear a hard hat, safety glasses and safety vest.

SBBCC | DESIGN-BUILD CONTRACTOR

- Only authorized personnel will be allowed within the construction area. Visitors to the site, whether staff, architects, engineers, inspectors, or other invited guests must check in at the site office and be escorted by SBBCC staff at all times.
- SBBCC staff will announce any safety hazards and convey safety instructions before walking any part of the project site.
- SBBCC mandates daily clean-up of all of our subcontractors, to include Friday clean ups. We enforce complete subcontractor participation in a massive clean-up on Fridays. SBBCC has our own street cleaning equipment, labor force, and mechanics if needed, to assist any subcontractors with cleanup.



LANGUAGE BARRIERS

In today's diverse workforce, we understand not all employees, owners, visitors, students, or faculty speak the same language. In order to provide a safe work environment, we offer training classes, videos, documents, manuals, and instructional aids in different languages. During meetings, we utilize a translator if we are unable to have an employee on-site that can translate between different languages.



PROGRAM DOCUMENTATION

SBBCC safety manuals and safety regulations are maintained at the construction site throughout construction. All subcontractors must maintain a copy of their safety program on site and provide SBBCC a copy for our records. The safety program is subject to inspection and review by the safety program manager at any time.



ACCIDENT INVESTIGATIONS/REPORTING

All injuries, no matter how slight, will be reported to the immediate supervisor. Should an injury require first aid treatment, it will be given immediately. All injuries which occur during the course of employment must be reported on the appropriate Incident/Injury form.

Any accidents resulting in any consequences listed below will be investigated in depth to identify all causes and to recommend hazard control measures. Except for rescue and emergency measures, the accident scene will not be disturbed until it has been released by the investigating authority. The consequences requiring in depth investigations are:

- A fatal injury
- A permanent total disability | A permanent partial disability
- The hospitalization of three or more people resulting from a single occurrence
- Property damage of \$200,000 or more



SAFETY REPORTING/COMMUNICATIONS WITH THE CITY

SBBCC conducts safety reviews of each job site on a regular basis. Photos taken at this time are to be posted in the main SBBCC trailer and along with safety reports sent to all subcontractors. Copies are handed to any employee involved in any incident involving safety.

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TRAINING

SBBCC provides training for its employees, as well as, the project's workforce. This training may include demonstrations, review of safety standards and policies, review of lessons learned, emergency procedures or incident documentation requirements. In an industry that is constantly striving to reduce cost and cut expenditures, we have chosen to maintain safety as one of our highest priorities. In addition to having a comprehensive internal safety program, SBBCC provides external training to ensure that all professional staff members are certified as follows: American Red Cross – First Aid | American Red Cross – CPR | American Red Cross – Automatic Electronic Defibrillator Training | OSHA 4-Hour Scaffold Safety and Fall Protection.

STEP SAFETY AWARD

At SBBCC, our commitment to safety is a shared responsibility at all levels of our organization. Protecting the safety and health of our employees, Trade Partners and Project Stakeholders is the most important aspect of our performance during every phase of construction.

SBBCC is a proud Associated Builders and Contractors (ABC) STEP Diamond 2020 Safety Leader. The ABC safety management system's "Safety Training Evaluation Process" (STEP), is a guide to starting, updating and/or auditing a company-wide safety program.

Top performing participants in the program achieved an 827% improvement in safety performance compared to the U.S. Bureau of Labor Statistics in 2019.



"Without our commitment to safety we would never qualify for any type of award. Also, without the Owner and Management's realization of the value of safety to our projects we would not be able to promote a safety culture. So, I feel it's congrats to us all."

- James Garrett
Safety Manager | SBBCC

EMR RATE

Our EMR is a number that insurance carriers use to measure worker compensation risk. Anything lower than the industry average EMR of 1.0 is considered stellar.

Recognizing that our safety record is the measurement tool by which many of our clients begin their qualification process, SBBCC maintains an EMR well below the national average enabling us to protect our most valuable assets – our employees. Through evaluation from our corporate insurance underwriter, SBBCC ensures the separate EMR rates for the specified five (5) calendar years as:

YEAR	EMR	SOURCE
2020	.77	OSHA 300A
2019	.77	OSHA 300A
2018	.76	OSHA 300A
2017	.75	OSHA 300A
2016	.75	OSHA 300A

SBBCC | DESIGN-BUILD CONTRACTOR

COMPLETION GUARANTEES AND WARRANTIES

It is of singular importance to note that SBBCC has never missed a client's deadline for beneficial occupancy of a project. We have a long and uncompromised record of delivering projects on-time, safely and within budget. For this project, we have included the costs to secure 100% Payment & Performance Bonds for the full construction value of the entire project including design services. This will provide VBCPS with the highest attainable level of security, guaranteeing that the work is completed in full accordance with the completion dates and contract values to be agreed to by the principal parties.

As the Design- Build Contractor, SBBCC will be the sole source for all project construction and completion guarantees, bonds, and warranties.

LEGAL CLAIMS

SBBCC has been in business for 43 years, and we build because it is our passion. Creating form, function and style for our customers is exciting and rewarding work. Above all, we take pride in our reputation. Neither SBBCC or an officer/ director/partner/owner of our organization have had judgments entered against it or them for the breach of contracts for construction. We are committed to the companies and communities we serve, and we deliver the highest levels of quality and craftsmanship in the industry today.

SBBCC confirms that there are no claims, litigation, or proceedings brought relating to our listed recent projects of comparable size and complexity.

PROJECT EXPERIENCE

All of SBBCC's projects have been completed early or on-time, within budget, and in compliance with design, land use, service, and project-specific standards. We are well versed and understand how to execute projects under design-build PPEA contracts. We have collaborated with various public school systems to execute many successful K-12 projects.

The SBBCC team has the passion, commitment, and vision to lead our highly-qualified proposed team in the development, design, and construction of VBCPS' Schools for the Future project.

SBBCC PROJECTS – COMBINED EXPERIENCE	SBBCC PROJECT EXPERIENCE
<p>SBBCC Relevant Experience Projects previously shown under Combined Experience, where the listed recent, relevant projects performed by SBBCC and many of our project team members further demonstrate the breadth of local, relevant experience offered to VBCPS:</p> <ul style="list-style-type: none"> • Floyd E. Kellam High School • Union High School • Central High School • Kings Fork High School • Cardinal Elementary School (ESH Greene) 	<p>The following pages present SBBCC projects that are most relevant to VBCPS' Schools for the Future project:</p> <ul style="list-style-type: none"> • Southside STEM Academy at Campostella K-8 • Ocean View Elementary • Larchmont Elementary • Richard Bowling Elementary • Camp Allen Elementary • J.R. Tucker High School



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SBBCC | DESIGN-BUILD CONTRACTOR | K-12 PPEA EXPERIENCE



PROJECT TEAM

RRMM + LIVAS + Kimley-Horn
WPL + SMF + MJT

SOUTHSIDE STEM ACADEMY AT CAMPOSTELLA K-8

Norfolk, Virginia

OWNER

Norfolk Public Schools
Public Schools

PROJECT STATUS

Completed 2016
70 Days Ahead of Schedule

PROJECT SIZE

181,489 SF New Construction
+Demolition
1,147 Students

PROJECT COST

\$34,236,866

**DESIGN-BUILD
PPEA PROJECT**

Serving K-8 with Science, Technology, Engineering and Mathematics. The Southside STEM Academy at Campostella is a 1147 student, one to three story, K-8 school located on the previous site of Campostella Elementary School. The existing building and site amenities were demolished prior to the construction of the new facility.

The building is approximately 181,489 SF, consisting of a three-story academic wing, a two-story area with the Administration on the first floor and Media Center above, and a one-story wing consisting of a Cafeteria, K-5 Gym, Art Classrooms, Nature Classroom, Music classrooms, Main Gymnasium, Locker Rooms, Health classrooms, Kitchen and service rooms.

The new building was completed 70 days ahead of schedule. Site features include separate vehicular (parent drop-off area) and bus traffic entrances as well as clearly defined areas for neighborhood pedestrian traffic, a full-size football field and multi-use playfields, an outdoor classroom, and a building facade that blends into the surrounding community.

The design of the school is organized around the STEM school curriculum and is broken down into three grade levels on each floor, with Grades 6-8 occupying the top floor of the Academic Wing. Each grade level is broken down again into a house consisting of learning studios, flexible classrooms, small group breakout spaces, STEM activity area, prep rooms, storage rooms, and teacher workrooms.

Southside STEM Academy at Campostella | pg. 2

The STEM approach allows students to stay within their house for a majority of the school day and minimizes the need for other grade levels to circulate through the grade level house. This approach allows the students of each grade to enjoy a more collaborative learning process by taking advantage of all available space in their respective grade level houses. Additionally, this approach provides students, teachers and administration with the familiarity that is enjoyed in a smaller school setting.

The one story exploratory wing contains academic programs that are common to all grade levels and therefore is easily accessible by all grades. This wing contains such classes as Art, Music, Nature, Health, Physical Education, as well as the Cafeteria/K-5 Gym space. A Lecture Hall is located next to the main entrance, off the main gathering lobby. This location allows the space to easily be used after hours for public functions. The Media Center is centrally located to promote student use and is also located on the second floor, at the top of the monumental stairs, for possible public use after hours. The Main Gymnasium seats approximately 250 when the bleachers are in the open position. A K-5 Gymnasium is provided as an additional teaching station for younger students and for other sporting events. A Nature classroom has been provided as a part of the K-8 STEM program. The room has an exterior door to access the wetlands nearby on the site. This classroom is designed to connect the interior school with the outdoor learning space the site provides. The Technology package provides for a state-of-the-art facility.

Project Features

- Three Story Academic Wing
- Administration Area
- Media Center
- Cafeteria
- Art Classrooms
- Nature Classroom
- Music Classrooms
- Main Gymnasium Seating 200
- Flexible Bleachers
- K-5 Gym
- Locker Rooms
- Health Classrooms
- Kitchen
- Service Rooms
- Energy Star Certified



Sustainable Design Features

- Energy Star Certified
- Site Placement to Maximize Efficiency and Sun Exposure
- Daylighting Strategies
- On-Site Wetlands Area



Southside STEM Academy at Campostella | pg. 3

Many sustainable concepts are incorporated into the design of this school, including day lighting, building orientation to maximize site efficiency and sun exposure, incorporation of the on-site wetland areas into the curriculum (nature classroom), and implementation of a web-based software that occupants can access via computer to monitor, interact and learn from the building's sustainable design features. A high energy efficient HVAC system and daylight harvesting are also incorporated into the building design. This project received Energy Star (ES) certification for 2017 with a rating of 83.

SBBCC's virtual design team developed a precise Building Information Model through careful and detailed coordination with all subcontractor trades. SBBCC Superintendents used the BIM model on a daily basis to identify potential clashes between trades and work with all subcontractors to find dimensions, details, connections, etc. all for which cannot be found on construction drawings. Early development of the model reduces costs and time throughout the entire project.

Through careful coordination with mechanical and electrical subcontractors, SBBCC developed a plan to condition the building prior to the entire building being "dried-in." SBBCC divided the building into 5 separate sections and constructed temporary partitions throughout the building in order to condition each section. This allowed the team to start finishes prior to dates shown on the construction schedule and accelerated the schedule by 4 months.



Southside STEM Academy at Campostella | pg. 4

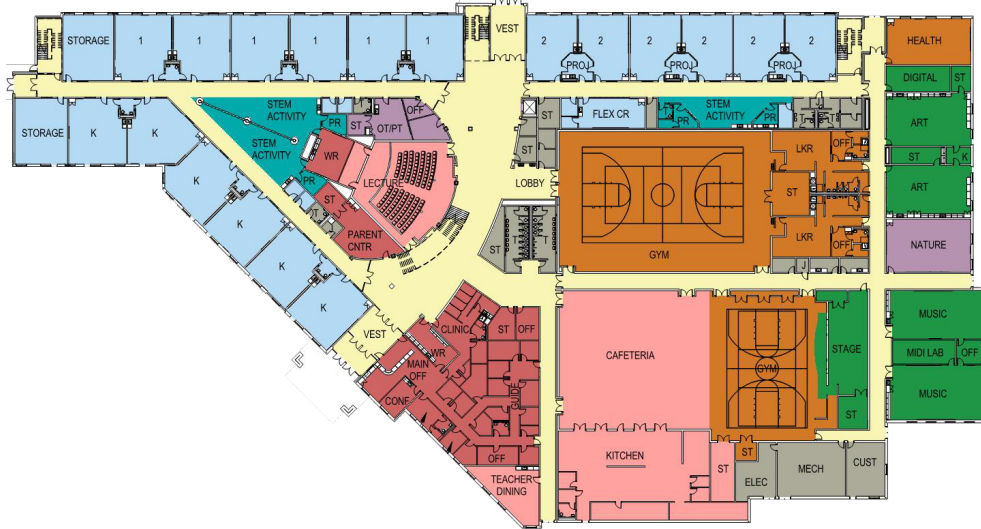


Southside STEM Academy at Campostella | pg. 5



Southside STEM Academy at Campostella | pg. 6

FIRST FLOOR



SECOND FLOOR



THIRD FLOOR



SBBCC | DESIGN-BUILD CONTRACTOR | MOST RECENT K-12 EXPERIENCE



PROJECT TEAM

Timmons

J.R. TUCKER HIGH SCHOOL

Henrico County, Virginia

OWNER

The County School Board of
Henrico County

PROJECT STATUS

Estimated Completion
Phase 1 – August 2021
Phase 2 – June 2022

PROJECT SIZE

279,899 SF Total
+Demolition

PROJECT COST

\$94,840,513

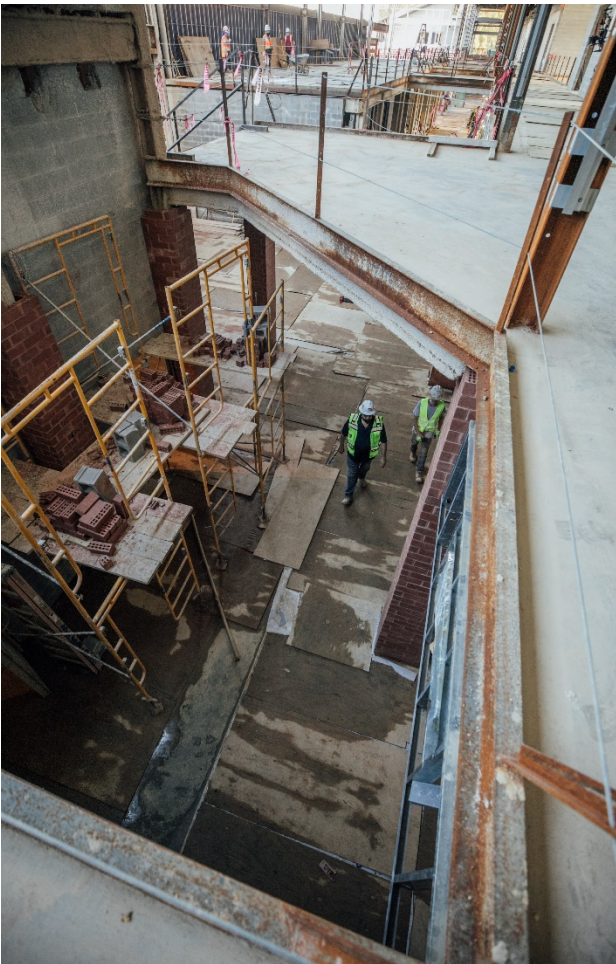
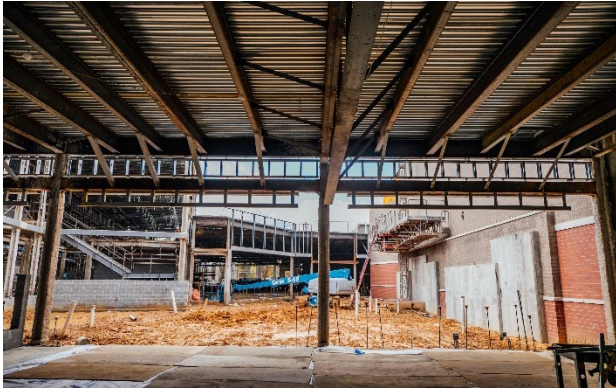
The new school is being built on an accelerated construction timeline, so that it will be ready for the start of the 2021-22 school year. The new high school is being built next to the existing school, allowing the existing facility to remain open during the two-year construction period. Additionally, the existing facility will be demolished to make way for new athletic fields and facilities.

The work consists of the construction of an approximately 265,101 sf new high school, 14,798 sf athletic support buildings and associated sitework co-located on the site of the existing J.R. Tucker High School and the demolition of the existing J.R. Tucker High School.

The new high school building consists of a structural system with a combination of loadbearing CMU and steel framing. Interior partitions include CMU, drywall and limited amounts of wood veneer paneling. Flooring includes polished concrete, carpet tile, wood sports and stage flooring and rubber floor tile. Roofing systems include EPDM membrane and pre-finished, standing-seam metal roofing.

Building features include kitchen with food service equipment, dining commons, a 3-court gymnasium, 1,100 seat auditorium, multi-media center, general classrooms, career technical and technology areas, and administration areas.

J.R. Tucker | pg. 2



Site construction includes the construction of a new bus loop and bus canopy and new parking area including all grading, erosion and sediment control, stormwater management, site utilities, driveways, paving and sidewalks, fencing, site lighting, signage and landscaping.

New athletic facilities include a new football stadium with an 8-lane track with competition grade surfacing, synthetic turf field, including grandstands and press box, new concessions building and new fieldhouse.

Phase 1

The construction of the new high school, bus loop and and partial site work and parking areas completed by August 1, 2021. The existing high school will be occupied and remain in operation during the entire period of construction.

Phase 2

The demolition of the existing high school and associated sitework, the construction of the new fieldhouse building, concessions building, football stadium, grandstands, press box and the balance of sitework and parking completed by June 1, 2022. The new high school will be occupied and remain in operation during the entire period of this phase.

Project Features

- K-12
- Demolition Next to Active School
- Phased Construction & Demo
- Athletic Support Buildings
- 3-Court Gymnasium
- 1,100 Seat Auditorium
- Commercial Kitchen
- New Bus Loop and Bus Canopy
- Football Stadium
- 8-Lane Track
- Site Development
- Flexible Classrooms

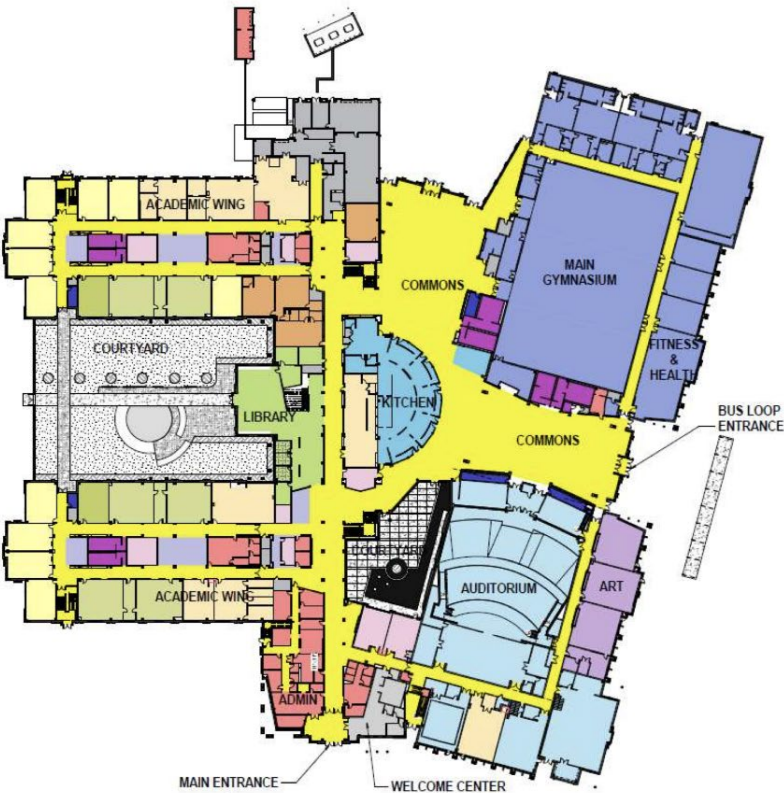


J.R. Tucker | pg. 3



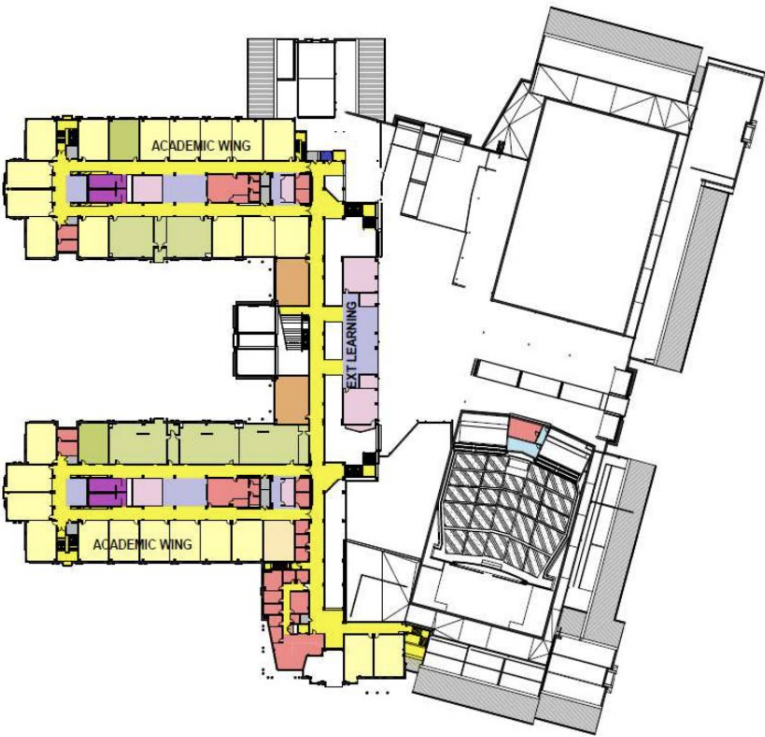
FIRST FLOOR

- LEGEND
- Administration
 - Athletics
 - Auditorium
 - Circulation
 - Classroom
 - Classroom - Specialty
 - Extended Learning
 - Fine Arts
 - Flexible Science
 - Food Services
 - Media Center
 - Science
 - Special Education
 - Storage
 - Student Activities
 - Support / MEP / Stor
 - Toilets
 - Welcome Center



SECOND FLOOR

- LEGEND
- Administration
 - Auditorium
 - Circulation
 - Classroom
 - Classroom - Specialty
 - Extended Learning
 - Flexible Science
 - Science
 - Special Education
 - Storage
 - Student Activities
 - Support / MEP / Stor
 - Toilets



SBBCC | DESIGN-BUILD CONTRACTOR – RESUMES

Please see the following pages for the SBBCC Team:

- Project Executive
- Estimator
- Estimator
- Senior Project Manager
- Design-Build QC Manager

Stephen B. Ballard
Mark Payne
Jason Armstrong
Darrell Polokonis
Lloyd "TJ" Thomas

Welcome to New
Floyd E. Kellam High School



Completed 3 Months Ahead of Schedule

Built by S.B. Ballard Construction Company
Proud Contractor and Supporter of Kellam High School
Ahead of Schedule • Exceeding Expectations

S.B. BALLARD CONSTRUCTION COMPANY
2828 Shippis Corner Road, Virginia Beach, Virginia
(757) 440-5555 | sbballard.com

Constructed for 21st Century Teaching and Learning

Today marks the official opening of the new Kellam High School to students, faculty and staff. This state-of-the-art facility offers learning spaces designed to facilitate 21st century skills-based curriculum with the inclusion of:

- Six learning communities with student-proposed demonstration spaces
- Educational courtyard designed by Kellam HS AP environmental science students
- 800 seat auditorium and 115 seat back-seat theater
- Fully integrated e-learning
- State-of-the-art technology application for education



Kellam High School

Early Opening!

S.B. BALLARD CONSTRUCTION COMPANY
2828 Shippis Corner Road, Virginia Beach
(757) 440-5555 | sbballard.com

Ahead of schedule, within budget

Hampden Roads knows the tradition of S.B. Ballard Construction Company completing projects ahead of schedule and within budget. Kellam High School is no exception. S.B. Ballard delivered the facility to the Virginia Beach School Div on a full three months ahead of schedule. Additionally, Ballard delivered the school's Stadium complex six months early, allowing 2013/14 students to play home football games before the school opened. This school is also the first public building in our region with stress designed and constructed to withstand a Category 1 hurricane.

The primary entry welcome alcove and the concourse. The brick walls between alcove and 200 seat auditorium are seen in a 100 year old brick wall.

Model of future Virginia Beach City Public Schools

Kellam demonstrated the potential of SBBCC's ability to simplify the school building process for future schools in order to keep buildings operational as efficiently as possible for years to come. While the school division's square footage has increased 5% in the past eight years, design costs have decreased by 20% thanks to the use of new technology and cost savings measures:

- Cooler in that cooled roof water which is recycled rather than being lost to the ground
- A new cool roof minimizes solar heat gain
- Sustainable, energy-saving HVAC system
- Low flow water fixtures reduce water use
- Recycled construction materials used throughout the building, including the courtyard benches made from 100% recycled aluminum
- Large storage
- Barbecue wood floor in gym
- Repurposed roof art cut to
- Full kitchen and cafeteria
- Daylight harvesting

2 of 3 educational courtyard designed by Kellam High School AP environmental science students. Courtyard benches are made of 100% recycled aluminum bars.

The central outdoor courtyard space reflects the building's sustainable design. The courtyard is filled with the beautiful design of "State Residence Center" and is a 100 year old brick wall in a random vertical pattern.

Kellam High School

This educational facility is designed not only as a teaching tool, but as a community facility dedicated to 21st century learning. Encouraging learning, exploration, and civic engagement this project fosters the development of students in a traditional academic sense while simultaneously encouraging them to act as responsible citizens and stewards of the environment.

Through daily experiences in a building filled with natural daylight, built with recycled materials, and interacting with the natural environment, the students, faculty and staff that come to learn and work in this facility come to appreciate what can and should be done to ensure that our future has a future. Designed with the health of the building occupants and our Earth in mind, this building boasts numerous sustainable initiatives and strategies.

(Above) SBBCC Locally Published Advertisement in Celebration of Delivering Floyd E. Kellam High

SBBCC | DESIGN-BUILD CONTRACTOR – RESUMES



STEPHEN B. BALLARD

Project Executive | President & CEO

"Steve was very patient and understanding of our needs. He changed the design of the building numerous times from his original proposal to ensure we had what we wanted."

-Dr. Jeff Perry,
(Former) Superintendent Wise County Schools

Stephen B. Ballard is the owner and founder of SBBCC. With over 43 years of construction experience, Mr. Ballard oversees all construction operations and corporate functions including strategic planning, project management, estimating, business development, corporate communications, safety, and quality.

Since founding the company, he has been involved in each project and provides owners and developers with safe, high-quality facilities constructed on-time and within budget.

Mr. Ballard has successfully constructed numerous academic facilities and possesses an extensive and first-class portfolio of k-12 and higher education projects of similar scope to VBCPS' **Schools for the Future** project. His vast experience, along with his knowledge of every facet of the construction process, assures a smooth and successful completion to the project.

For this project, Steve will be responsible for executive oversight of the project from pre-construction through design, construction, and close out. He will provide guidance regarding jobsite concerns and maintain communication with the owner, architects, and other stakeholders. He also participates in site logistics planning, project budgeting, schedule development, and subcontractor selection.

Mr. Ballard has completed over \$2.8 billion worth of construction and takes great pride in the fact that over 81% of SBBCC's customers have returned to select his company to build three or more projects for them. Trustworthiness, reliability and customer confidence.

RELEVANT K-12 EXPERIENCE

- **\$650+** Construction of Education Facilities
- **2.8M** Square Feet of Education Facilities
- **34** Education Buildings Built in Virginia
- **7** Schools Built Under the PPEA Delivery Method in Virginia
- **4** Schools Built in Virginia Beach

EDUCATION

- Maury High School
- Old Dominion University, Norfolk, VA (Honorary)
- Post Tensioning Institute
- Tilt Up Concrete Association

EXPERIENCE

43 Years

PROFESSIONAL AFFILIATIONS

- Associated General Contractors of America
- American Concrete Institute
- American Concrete Pumping Association
- American Society of Concrete Construction
- Builders & Contractors Exchange of Hampton Roads
- The Builders Exchange of VA
- Hampton Roads Association for Commercial Real Estate
- National Federation of Independent Business
- Wetlands, Board Member
- DBIA
- Florida Council of P3

SBBCC | DESIGN-BUILD CONTRACTOR – RESUMES

**MARK PAYNE, DBIA, LEED GA**

Vice President | Pre-Construction Services

"His knowledge provides valuable insight when providing budget-saving ideas and options to reduce cost without sacrificing the quality of the overall project."

- Lee Shadbolt, Commonwealth Architects

EDUCATION

Old Dominion University,
Norfolk, VA/1980-1982

EXPERIENCE

35 Years

REGISTRATION AND CERTIFICATION

- ACI Concrete Testing Technician
- Timberline Estimating
- ACI Tilt Up Supervisor
- PTI Bonded Post Tension
- ACI/PCI Parking Structure
- Design & Construction
- Design Build Institute of America (DBIA) Designated Professional
- LEED Green Associate
- USACE Quality Control Certified

PROFESSIONAL AFFILIATIONS

- Executive Board, 2015 President, DBIA - Hampton Roads Chapter
- Past President, Associated General Contractors (AGCVA) – Tidewater Chapter
- U.S. Green Building Council

Over the past fifteen (15) years, Mr. Payne's focus has been primarily on Design- Build project delivery methods. During this time, Mr. Payne has developed a great reputation for his construction knowledge and integrity working with Owners and Architects. Bringing to the team a host of lessons learned from previous projects, Mr. Payne works in a collaborative environment with the pre-construction team, design professionals, Owner and other stakeholders. His leadership and efforts result in detailed constructability and best-value options for a project that ensure the project remains within budget

He will be responsible for managing all aspects of the pre-construction process including constructability reviews, detailed cost estimating, value engineering, subcontractor work package and scope development, proposal evaluation, and contract awards. A strength of Mark's is his ability to analyze alternative means and methods to determine the most economic pre-construction alternatives. His leadership and efforts result in detailed constructability and value engineering options for the project that create the foundation for a high-quality project delivered on-time and within budget.

RELEVANT EXPERIENCE

- Kellam High School
- Kings Fork High School
- Linkhorn Elementary School
- Bayside Elementary
- Thalia Elementary
- Union High School
- Central High School
- Southside STEM Academy at Campostella
- Ocean View Elementary
- Larchmont Elementary
- Richard Bowling Elementary
- Camp Allen Elementary

SBBCC | DESIGN-BUILD CONTRACTOR – RESUMES

**JASON ARMSTRONG, LEED**

Vice President | Chief Estimator

For over fifteen (15) years, Mr. Armstrong's focus has been primarily on projects in the Hampton Roads Region. During this time, he has developed an unparalleled reputation and respect from his peers for his construction knowledge and integrity working with both Owners and Architects.

As a key member of your project team, Mr. Armstrong brings a wealth of lessons learned from previous and comparable SBBCC projects. Mr. Armstrong excels in working in a collaborative environment with members of the pre-construction team, design professionals, the Owner and all other associated stakeholders. His leadership and collaborative efforts result in detailed constructability and best-value options for a project that ensure the project remains within the construction budget.

At each design submission iteration, Jason will lead SBBCC's pre-construction team to validate the estimate, and provide potential cost-savings of each value analysis item. SBBCC performs this step early to ensure that budget validation and value analysis can be performed before the design team has progressed to a point that significant design changes would greatly impact cost and schedule. Jason's efforts will result in detailed constructability and value engineering options for your new **Schools for the Future** project to create the foundation for a high-quality project delivered on-time and within budget.

EDUCATION

B.A., Finance, James
Madison University (2005)

EXPERIENCE

16 Years

**PROFESSIONAL
AFFILIATIONS**

- US Green Building Council (LEED AP)
- Design-Build Institute of America (Associate DBIA)
- Association of General Contractors of America (AGC)
- Professional Construction Estimators of America (Past Secretary and Treasurer)

RECENT EXPERIENCE WITH SBBCC PROJECTS:

- Eastern Virginia Medical School Education & Academic Building – Waitzer Hall
- Eastern Virginia Medical School Williams Hall Renovation
- Norfolk State University Nursing and General Education Classroom Bldg
- Norfolk State University Residence Hall
- Radford University CHBS Building
- Virginia Commonwealth University West Grace Street North Living Learning Community
- Virginia State University Multipurpose Center
- Norfolk State University G.W.C. Memorial Brown Hall
- Kellam High School
- Barry Arts Building, Old Dominion University
- Tidewater Community College Chesapeake Student Center
- Tidewater Community College Portsmouth Student Center
- Tidewater Community College Chesapeake Academic Bldg
- Tidewater community College Executive Offices
- Norfolk Public Schools Modernization:
 - Southside STEM Academy at Campostella
 - Richard Bowling Elementary School
 - Ocean View Elementary School
 - Camp Allen Elementary School
 - Larchmont Elementary School

SBBCC | DESIGN-BUILD CONTRACTOR – RESUMES

**DARRELL POLOKONIS**

Senior Project Manager | Vice President

Darrell Polokonis has the necessary experience to deliver even the most complex of construction projects with ease. He provides executive oversight and support to the Design-Build Project Manager and site specific Project Manager and Superintendent as well as the job-site team by working closely with them to improve efficiencies, troubleshoot potential problems and allocate resources across the project. His main goal is to deliver a quality facility constructed safely, within the timeframe allowed and within the established budget. Darrell is responsible for the overall direction, completion, and financial outcome of the project on-site.

EXPERIENCE

38 Years

REGISTRATION AND CERTIFICATION

- START Safety Training
- 30 Hour OSHA Certification
- CPR/First Aid Certification
- Project Management – Assoc. of General Contractors
- HILTI – Firestop Systems Training
- Rigging & Signal Person Safety Course
- ACI Concrete Flatwork Technician
- Field Personnel for Unbonded Post-Tensioning
- Backhoe,
- Excavator, Dozer & Roller Safe Operations

PROFESSIONAL AFFILIATIONS

- Association of General Contractors (AGC)

Mr. Polokonis has experience working with the HBA and RRMM team members and has knowledge of the local contractors that will be working on the project. He also has experience working on Design-Build and PPEA projects, as well as extensive experience with pre-construction services.

He maintains oversight of the construction project management and project administration activities from preconstruction through design, construction and close out. He will oversee the completion of the construction documents and work to ensure the project stays on schedule and under budget. Darrell will be responsible for setting strategic direction for the project to maximize the efficiency and productivity of the Construction Team. Darrell will provide leadership to ensure safe, successful, and profitable project outcomes.

With nearly four (4) decades of experience, Mr. Polokonis has the skills to manage multiple projects at one time in various phases of development and at various locations. He primarily focuses on cost- control and scheduling, and as Senior Project Manager. He was the project manager on the new Kellam High School and has additional experience working on the Norfolk Public Schools Modernization Project. He will apply his K-12 expertise and knowledge to the VBCPS project.

RELEVANT EXPERIENCE

- Kellam High School
- Southside STEM Academy at Campostella K-8
- Ocean View Elementary
- Larchmont Elementary
- Richard Bowling Elementary
- Camp Allen Elementary

SBBCC | DESIGN-BUILD CONTRACTOR – RESUMES



TJ THOMAS, DBIA, LEED GA

Design-Build Project Manager

"His professionalism and team approach are apparent in his ability to interact with Owner's Representatives, Design Team Members, and Subcontractors in a manner that promotes a collaborative environment conducive to providing the best possible solutions to any given issue and to providing the highest level of quality in the workmanship."

- Mike Ross, HBA

EDUCATION

- BS Biology, Virginia Tech
- Masters of Science Construction Management, Drexel University

EXPERIENCE

18 Years

REGISTRATION AND CERTIFICATION

- Design Build Institute of America (DBIA)
- Professional LEED Green Associate
- BESI Certified Building Envelope Inspector ACOE/NAVFAC CQC

PROFESSIONAL AFFILIATIONS

- DBIA - Hampton Roads Chapter- Treasurer and Past President
- Green Building Council Virginia Beach- Vice President of Development
- Former Norfolk Education Foundation Board Member

As the Design-Build Project Manager and Owner Liaison, Mr. Thomas ensures that all parties are kept abreast of current design and construction items and that these items are resolved in a timely manner. Building one Design-Build school is challenging. Building three (3) Design-Build schools as one project requires excellent communication between the Design-Builder and the Owner.

Mr. Thomas has a great working relationship with each firm proposed on this project. He has direct project experience with HBA on Kellam High School and also substantial experience with RRMM and Livas Group from the Norfolk Public Schools Modernization project. There is no learning curve for this team and Mr. Thomas will apply his extensive knowledge and expertise to ensure the VBCPS project is a success.

He will be responsible for coordinating design and construction efforts and the transition from the design phase to the construction phase. TJ will work with the SBBCC Pre-Construction Team to help create cost-saving ideas and value-added items. He will ensure changes are incorporated throughout the buyout process and ensures any design changes are incorporated into the drawings. Finally, it is his role to guarantee any changes, updates, or original designs, are executed correctly in the field.

RELEVANT EXPERIENCE

- Kellam High School
- Southside STEM Academy at Campostella
- Ocean View Elementary
- Larchmont Elementary
- Richard Bowling Elementary
- Camp Allen Elementary
- J.R. Tucker High School



TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
HBA



HBA Architecture & Interior Design (HBA) | LEAD ARCHITECT

We Listen

We've learned that listening...really listening, leads to success. We listen to not only to our clients, but to the full spectrum of individuals that will be impacted by our projects. It is a simple strategy that works.

We Care

We share this planet. HBA understands and embraces our responsibility to protect and nurture our vital natural resources. We make design choices for the environment and economic benefits of conservation.

We Stand the Test of Time

The only constant is change...missions change, technology evolves, staff transition. While we cannot forecast the future, we do build flexibility into our design and accommodate for change, so that your facilities can grow with you. In addition, the materials we select to build your project will be both durable and easily maintained. We monitor our designs to ensure quality construction, and finally, we evaluate your facility and our performance a year after occupancy to measure your satisfaction.

HBA Architecture & Interior Design's reputation is defined by the success of every project we deliver. When our clients entrust us with the critical task of creating quality, sustainable architecture, we achieve that goal through innovative thinking, exceptional design and unmatched client service. Founded on the principles of integrity and excellence, HBA remains committed to providing solutions that enhance our clients' lives and businesses, our community, and the environment. Since 1974, HBA has pursued these goals, and takes pride in the successes that have earned us a well-respected name throughout the region.

As we have grown, we have achieved a reputation as a hands-on, proactive firm that consistently provides creative design solutions, on-time and within budget. We have the expertise to manage an entire project, offering services in architecture, interior design, facilities consulting, interior architecture, planning, and sustainable design. With our expansive resources, we are able to guide a project from design, to construction, to occupancy. This comprehensive approach allows HBA to help clients make design choices that account for later needs.

**Innovative
Architecture
and Design
for K-12**



HBA has completed:

\$500m+

In K-12 Design
Project Value

1,000+

Design Projects in
Virginia Beach

42

Years in Business in
Virginia Beach

02

New High Schools in
Virginia Beach:
Tallwood HS |
Kellam HS

HBA | LEAD ARCHITECT

HBA specializes in new design as well as renovation, repair, and rehabilitation of existing structures. Project types include: Community (learning, civic, multi-family residential, recreational, religious, healthcare, recreation and entertainment); Commercial (financial, industrial, corporate, interiors, retail, and mixed-use); and Government (federal/ Department of Defense).



HBA employs 40 qualified individuals, and is a registered Small Business (DMBE #651684). We are active in numerous professional organizations, including Virginia Beach Education Foundation, Mike Ross served as president and Grants Committee Chair; as well as A4LE Virginia Chapter president.

K-12 RELEVANT EXPERIENCE

Relevant Experience previously shown under Combined Experience includes:

- Floyd E. Kellam High School
- John B. Dey Elementary School
- Virginia Beach Middle School

The following pages present HBA projects that are most relevant to the VBCPS' **Schools for the Future** project:

- Kempsville High School Entrepreneurial and Business Academy
- Kempsville Community Recreation Center
- Williams Farm Community Recreation Center
- Princess Anne High School Additions, Renovation and Fire Restoration
- Tallwood High School
- Jamestown High School
- Churchland High School



HBA | LEAD ARCHITECT | K-12 EXPERIENCE



OWNER

Virginia Beach City Public Schools

PROJECT STATUS

Completed 2018

PROJECT SIZE

10,000 SF Renovation

PROJECT COST

\$1,500,000

KEMPSVILLE ENTREPRENEURSHIP AND BUSINESS ACADEMY RENOVATIONS

Virginia Beach, Virginia

The renovation for the Entrepreneurship and Business Academy at Kempsville High School is a total transformation of 3 outdated materials shop labs and a double-loaded locker-infested corridor into flexible classroom spaces, makerspaces, seminar space, conference and collaboration spaces, demonstration spaces (for shark tank), and informal learning spaces. EBA students will engage in curriculum around three strands of study that include entrepreneurship and innovation, business information technology and corporate finance.

Classrooms were designed with an open and flexible feel, including a movable wall to allow a large collaboration for interdisciplinary work among teachers and students. The furniture is purposely designed to allow students to set up for group work and easily move around within the room. There is multiple white boards and wall space to share and adjust ideas as students embark on the design process.

The Makerspace is the focal point for the Entrepreneurship and Business Academy program. The front of the Makerspace is a place where students can work in groups to ideate and collaborate with one another in a structured or unstructured setting. A section in the back of the Makerspace has 3D printers, a laser cutter, tools, and other materials with which students engage to make and create products, services and put their ideas into action. The Makerspace is a place that students can work during school hours, and in the evenings students, will run the

VBCPS PROJECT



Kempsville Entrepreneurship and Business Academy | pg. 2

Makerspace as a facility to be used by community members through a membership process. The Makerspace takes on a life of its own, changing as the needs and opportunities of the budding entrepreneurs and innovators change.

The hallways surrounding the academy spaces are created as additional learning spaces to extend the learning beyond the classroom spaces. The hallways include laptop charging stations, white board walls, flexible seating for group collaboration, conference areas for students to meet in teams, and displays that will showcase academy student work. There are also areas built into the hallways that extend the work of the Makerspace including green screen zones where students can film and edit media work.

The Entrepreneurship and Business Academy hosts a state-of-the-art seminar space that provides students a professional arena where they can pitch ideas to forums of business leaders, community partners, and fellow classmates. This area also serves as space for community leaders and business partners to speak with academy students about entrepreneurship, information technology, business, and finance.

There is a 21st century conference room built in the space so students can hold their own board meetings and business meetings. This provides them a professional opportunity to extend their learning and conduct the types of meetings they would in the business world.



HBA | LEAD ARCHITECT | K-12 EXPERIENCE



OWNER

City of Virginia Beach

KEMPSVILLE COMMUNITY RECREATION CENTER

Virginia Beach, Virginia

PROJECT STATUS

Completed 2017

PROJECT SIZE

77,000 SF New Construction

PROJECT COST

\$25,328,240

Virginia Beach wanted to replace the 45-year old Kempsville Recreation & Community Center with a new state-of-the-art 80,000 square foot community recreation center. Like the Williams Farm Community Recreation Center that we completed in 2012, this center focuses on improving family recreation opportunities and providing multi-purpose spaces for the community to come together. The building design is situated on the site in a manner to welcome the public in and the transparency of the exterior walls reinforces this notion with the invitation to come join in the fun happening inside.

The Kempsville Community Recreation Center facility incorporates a number of sustainable design strategies such as the stormwater management, geothermal HVAC system, natural daylighting, LED lighting, and many others, and has achieved LEED Silver Certification.

VB CITY PROJECT

Major Features Include:

- Multipurpose gymnasium
- Large, unique indoor pool area with an indoor water playground, lap lanes, therapeutic moving water channel, learn-to swim pool, slide, and aquatic climbing wall
- Community meeting rooms
- Daycare classrooms
- Teaching kitchen
- Cardio and free weight fitness spaces | Dance/Aerobics fitness spaces
- Indoor perimeter track on the second floor, overlooking the pool and gym
- General purpose play fields.

Kempsville Community Recreation Center | pg. 2



Kempsville Community Recreation Center | pg. 3





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HBA | LEAD ARCHITECT | K-12 EXPERIENCE



2013 Best New Facility - Bricks & Mortar (population greater than 100,000), Virginia Recreation and Park Society
2013 Honor Award for Public Facilities, Virginia Beach Planning Commission

OWNER

City of Virginia Beach

PROJECT STATUS

Completed 2012

PROJECT SIZE

70,993 SF New Construction

PROJECT COST

\$26,715,400

WILLIAMS FARM COMMUNITY RECREATION CENTER

Virginia Beach, Virginia

The unique design solution for the Williams Farm Community Recreation Center was the result of an extensive and fruitful community engagement process that involved the Newtown and Lake Edward Communities and focused on improving family recreation opportunities and creating a synergy with adjacent educational opportunities (Tri-School Campus) and open park space. The resulting vision was to create a "beacon of healthy and vibrant family recreation on the corner".

VB CITY PROJECT

The community recreation center amenities include:

- Multipurpose gymnasium
- Large, unique indoor pool area with an indoor water playground, lap lanes, slide, and aquatic rock-climbing wall
- Classrooms & Daycare classrooms
- Teaching kitchen
- Community meeting rooms
- Various fitness spaces
- Indoor perimeter track on the second floor, overlooking the pool and gym
- Outdoor basketball court
- Outside playground
- Outdoor sprayground (water play area)
- Skate Park
- Picnic Shelters & Restroom Facilities
- Walking/ Jogging trail
- General purpose play fields

Williams Farm Community Recreation Center | pg. 2



Williams Farm Community Recreation Center | pg. 3





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HBA | LEAD ARCHITECT | K-12 EXPERIENCE



OWNER

Virginia Beach City Public Schools

PROJECT STATUS

Completed 1996

PROJECT SIZE

136,258 SF Renovation
36,000 SF Addition

PROJECT COST

\$5,316,000 Restoration
\$1,200,000 MC, Café, Arts
\$2,820,000 Renovations

VBCPS PROJECT

PRINCESS ANNE HIGH SCHOOL RENOVATIONS

Virginia Beach, Virginia

Restoration and Roof Replacement

HBA provided A/E services for the repair of 136,250 sf of classroom, administrative, library and cafeteria space which was damaged by fire, smoke and water. HBA's architects and engineers were on site the morning after the fire providing preliminary damage assessment and directing shoring of the structure to prevent further damage. In the aftermath of the fire we assisted the school board's staff in setting up a new high school for one half of the student body in a former outlet mall. Students were in session approximately two weeks after the fire.

Media Center, Cafeteria and Arts Additions

In addition to repairing the portions of the building damaged by fire, smoke and water, HBA played an important role in securing additional funding for "Operation Phoenix" which allowed for another 10,166 square feet of additional to the Cafeteria, Media Center and Art Wing.

Renovations and Additions

The additions included 19 classrooms, 3 Science Labs, and an auxiliary gymnasium with a connector to the existing Physical Education department. Renovated areas include the Library, audio/visual storage, Administration, Guidance Office and conference room.

HBA | LEAD ARCHITECT | K-12 EXPERIENCE



OWNER

Virginia Beach City Public
Schools

PROJECT STATUS

Completed 1992

PROJECT SIZE

294,457 SF New Construction
1,900 Students

PROJECT COST

\$21,050,000

TALLWOOD HIGH SCHOOL

Virginia Beach, Virginia

VBCPS PROJECT

The public spaces, which include the Lobby, Library and Dining areas, are focused around a central Courtyard. The Courtyard/Amphitheater supports activities for various group sizes ranging from small discussion groups to multi-class presentation to pep rallies for the entire student body. Glass window walls open these spaces to the outside environment and flood the interior with natural light. The Library/Media Center is designed as a multi-purpose facility with primary importance given to flexibility and growth. Instruction and study areas accommodate full classes and small work or study groups, as well as individual study. Students have access to audio-visual materials and computer terminals. A computerized card catalog and security system provide state-of-the-art control of resources with the potential to link with a future city-wide system. Sports and recreational facilities available include: Football/ Soccer Stadium; Press Box; Quarter Mile Track; Baseball Fields; Softball Fields; Concession/Toilet Facilities; Gymnasium; and Tennis Courts.

HBA | LEAD ARCHITECT | K-12 EXPERIENCE



OWNER

Williamsburg-James City
County Public Schools

JAMESTOWN HIGH SCHOOL

Williamsburg, Virginia

PROJECT STATUS

Completed 1997

PROJECT SIZE

192,729 SF New Construction
1,250 Students

PROJECT COST

\$17,601,000

The building's exterior is an expression of the interior requirements of regular classroom spaces and large-scale volumes required for the auditorium and gymnasium. The building responds to the context of Williamsburg and traditional school design in its materials and detailing.

This two-story academic block is arranged around a Courtyard with the Media Center at its core. On the ground floor are the specialized teaching spaces, which include the Sciences, Technology and Home Economics, and form a plinth above which sits the four academic houses.

This new high school is organized into three blocks: academic, arts, and athletics. The disposition of the three blocks allows the complex requirements of entrance sequences to be solved. Buses drop off students directly in front of the academic block. Visitors enter the building at the commons, while students and faculty driving to school enter through the south facing garden terrace between the athletic and arts blocks, which takes them along side the cafeteria and into the commons.

HBA | LEAD ARCHITECT | K-12 EXPERIENCE



OWNER

Portsmouth Public Schools

PROJECT STATUS

Completed 1991

PROJECT SIZE

262,152 SF New Construction
2,025 Students

PROJECT COST

\$18,036,000

CHURCHLAND HIGH SCHOOL

Portsmouth, Virginia

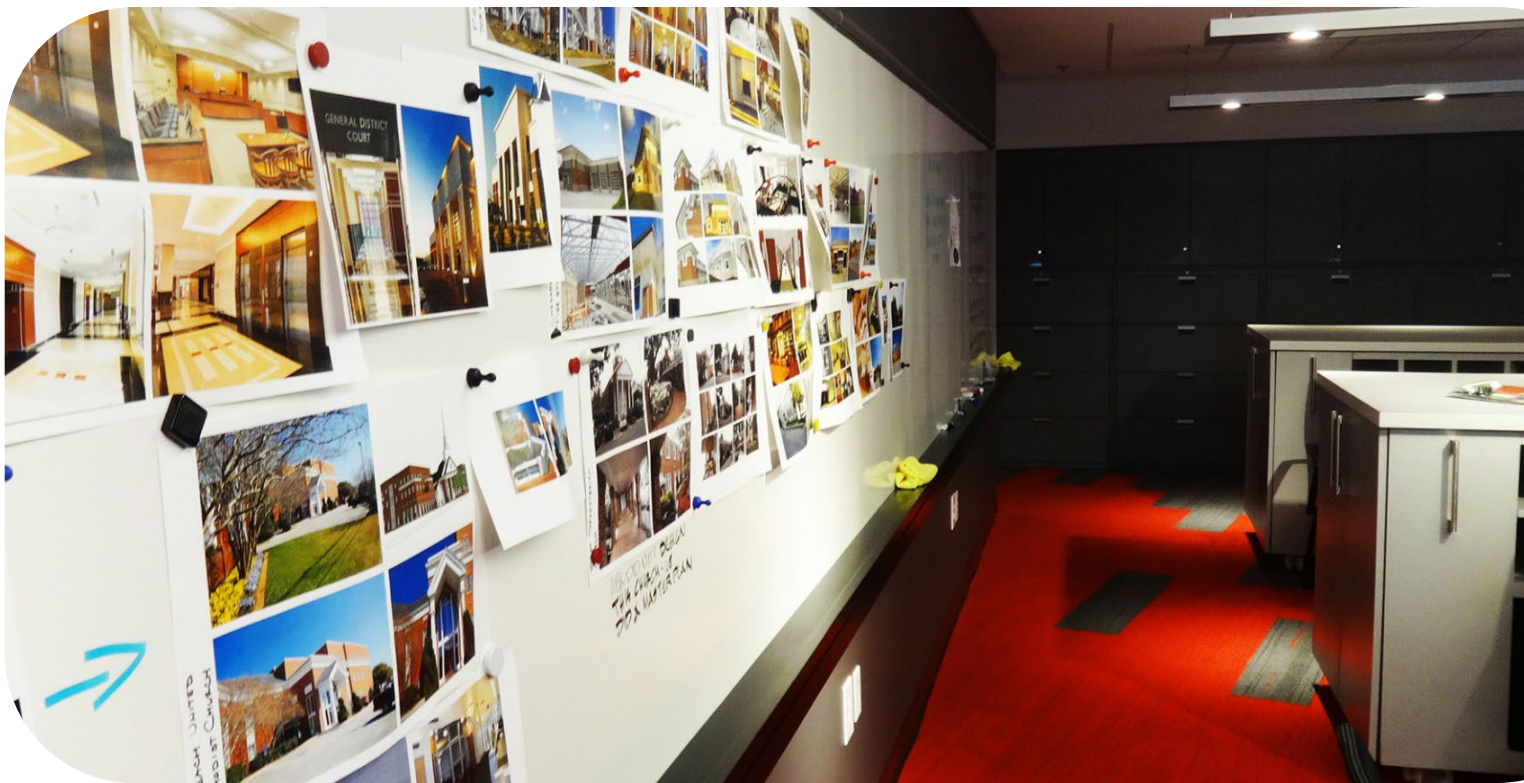
The lobby, library, and dining areas focus around a central courtyard, which features an amphitheater suitable to various group sizes. The courtyard is a secured outdoor area for students. The acoustically sophisticated Auditorium seats 800. The Gymnasium seats 4,200 on movable bleachers and is host to the Portsmouth Invitational Tournament.

HBA was chosen by the National School Boards Association and the American Institute of Architects as an exhibitor and Blue Ribbon Winner in the NSBA's 1992 Exhibition of School Architecture.

HBA | LEAD ARCHITECT - RESUMES

Please see the following pages for the HBA Design Team:

- | | |
|--|---------------------------------|
| • Design Project Manager | C. Michael Ross, AIA, REFP |
| • Project Architect / Project Manager | Jack Hasten, AIA |
| • Quality Assurance / Quality Control | Melburn C. Vinson, AIA |
| • Building Constructability Specialist | R. Edward Stanton |
| • Project Architect | Amanda LeBeau, AIA |
| • LEED Project Administrator | Lauren Perry, AIA, LEED AP BD+C |
| • Interior Designer | Alexis Hudson, CID, IIDA |



HBA | LEAD ARCHITECT – RESUMES



C. Michael Ross, AIA, REFP

HBA President | Design Project Manager |

Lead Educational Facility Planner

With over three decades of experience, Mike Ross continues to establish himself as a leader in the field of Educational Facility Planning and Design. He approaches educational planning from the learner's perspective by asking questions such as: "What skills do our young people need to have when they graduate to be successful contributors in today's global society?...What habits do our young people need to develop to become life-long learners?...How do we get students engaged in their own learning experience so that they become self-motivated?...What does the classroom of 2030 look like?"

Mike's philosophical approach to planning school facilities is based on questions such as those aforementioned; determining each community's best answers to these questions leads to the design of exceptional learning environments that truly meet the needs of both the learners and the community.

Mike also believes that school facilities must be "of the community" to be successful; he brings his highly collaborative planning and design process to every opportunity. His objective is to engage as many stakeholders as possible in the process because each constituent group brings a unique perspective to the vision and desired objectives of the finished product. Students, in particular, bring invaluable insight to the planning of schools for the future and should play a strong role in the collaborative planning process.

With both his approach from a learner's perspective, and collaborative planning and design process, Mike is reinventing the way we go about making places for learning.

EDUCATION

BArch, Virginia Polytechnic
Institute & State University, 1982

EXPERIENCE

38 years in industry
38 years with HBA

REGISTRATION AND CERTIFICATION

Registered Architect: VA & NC
NCARB Certified

MEMBERSHIPS

American Institute of
Architects
Committee on Architecture
for Education (AIA)
Association for Learning
Environments (A4LE, formerly
CEFPI) President
Virginia School Board
Association
Virginia Beach Education
Foundation (Past President)
Committee to Draft Virginia
Department of Education
School Facilities Guidelines

RELEVANT EXPERIENCE

Virginia Beach City Public Schools

- Kellam High School Replacement
- Virginia Beach Middle School Replacement
- Tall wood High School
- Princess Anne High School Renovations
- John B. Dey Elementary School Modernization
- Long Range Facilities Master Plan
- Pembroke Meadows Elementary School Modernization
- Lynnhaven Elementary School Modernization
- VBCPS Modernization/Replacement Feasibility Studies
- Malibu Elementary School Modernization
- Red Mill Elementary School
- Ocean Lakes Elementary School
- Rosemont Forest Elementary School

Other secondary school experience:

- Jamestown High School
- Churchland High School
- Currituck County High School
- Berkley Middle School Modernization
- Camden Middle School Modernization
- Perquimans County High School Renovations

HBA | LEAD ARCHITECT – RESUMES**Jack Hasten, AIA**

Project Architect | Project Manager, HBA

**EDUCATION**

BArch, Virginia Polytechnic
Institute & State University, 1976

EXPERIENCE

44 years in industry
6 years with HBA

**REGISTRATION AND
CERTIFICATION**

Registered Architect: VA

MEMBERSHIPS

American Institute of
Architects
The Williams School Board of
Directors
Architectural Jury Member for
Learning by Design

Jack has served multiple school systems in Virginia. He has experience with designing high schools in Powhatan County, Albemarle County, Norfolk Public Schools, Isle of Wight County, and Chesapeake Public Schools. His involvement included pre-planning, new high schools, and comprehensive addition/modernization projects. His extensive involvement with seven high schools during his career has given Jack a proper perspective on the importance of the entire range of services from programming thru owner occupancy in the development of high school projects. Jack has also been recognized for his experience in planning by being selected as a Jury member for the National School Boards Association's recognition program for their publication Learning by Design.

RELEVANT EXPERIENCE

- Maury High School Modernization, Norfolk
- Granby High School Expansion and Modernization, Norfolk
- Maury High School Pool Finishes Repairs, Norfolk
- Indian River High School Additions/Renovations-Phase 1, Chesapeake
- Indian River High School Additions/Renovations-Phase 2, Chesapeake
- Henrico High School Addition/Renovation, Henrico County
- Powhatan High School, Powhatan County
- Windsor High School, Isle of Wight County
- Lake Taylor High School Roof Replacement, Norfolk
- Plaza Annex Office Building Addition (Professional Development Center), Virginia Beach
- Strawbridge Elementary School Renovations, Virginia Beach
- Chesapeake Public Schools - Facilities Conditions Assessment, Chesapeake
- Deep Creek Elementary School Exterior Envelope Repairs, Chesapeake
- Hickory High School HVAC Replacement (sub to HA), Chesapeake
- Indian River Middle School Partial HVAC Replacement (sub to HA), Chesapeake
- Western Branch Intermediate School HVAC Replacement (sub to PACE), Chesapeake
- BM Williams; Expansion Study, Chesapeake
- Crossroads Pre K-8 School, Norfolk
- Larrymore Elementary School Window Replacement, Norfolk
- Lake Taylor Middle School AHU Replacement, Norfolk
- Powhatan County Public Schools Comprehensive Facilities Analysis / Study, Powhatan
- Mayberry Elementary School Additions/Renovations, Richmond
- Tuckahoe Elementary School Renovations, Richmond
- Hunter B. Andrews K8 School, Hampton
- George P. Phenix K8 School, Hampton
- Riverdale Elementary School, Southampton County

HBA | LEAD ARCHITECT – RESUMES**Melburn C. Vinson, AIA**

Project Architect | Quality Assurance / Quality Control, HBA

Mel Vinson has over four decades of architectural experience as a designer, project manager, and construction administrator. He has worked on a wide range of projects to include new construction and renovations. Mel's experience involves office buildings, government facilities, medical centers, schools, and residences.

**EDUCATION**

BArch, Virginia Polytechnic
Institute & State University, 1977

EXPERIENCE

43 years in industry
16 years with HBA

**REGISTRATION AND
CERTIFICATION**

Registered Architect: VA

MEMBERSHIPS

American Institute of
Architects

RELEVANT EXPERIENCE

- Kellam High School Replacement, Virginia Beach
- John B. Dey Elementary School Modernization, Virginia Beach
- Virginia Beach Middle School Replacement, Virginia Beach
- Virginia Beach Middle School Building and Sitework PHASE 2, Virginia Beach
- Kempsville Middle School Window Replacement, Virginia Beach
- Malibu ES Fire Alarm Replacement, Virginia Beach, VA
- Ocean Lakes ES, Red Mill ES, & Shelton Park ES Gym HVAC Replacement & Relocation, Virginia Beach, VA
- Salem High School Water Heater Replacement, Virginia Beach
- Salem High School Stage Lighting, Virginia Beach
- Kempsville High School Food Lab HVAC Upgrade, Virginia Beach
- Kempsville High School Stadium Lighting Replacement, Virginia Beach
- Franklin City High School & Elementary School Additions, Franklin
- Cape Henry Collegiate School (K-12), Virginia Beach
- Virginia Beach City Public Schools Annual Services Contract, Virginia Beach
- Chesapeake Public Schools - Facilities Conditions Assessment, Chesapeake
- Shenandoah County Public Schools - Long-Term Facilities Master Plan
- Deep Creek Elementary School Exterior Envelope Repairs, Chesapeake
- Hickory High School HVAC Replacement (sub to HA), Chesapeake
- Indian River Middle School Partial HVAC Replacement (sub to HA), Chesapeake
- Western Branch Intermediate School HVAC Replacement (sub to PACE), Chesapeake
- Camden Intermediate School (Grades 3-5) attached to Grandy Primary School
- Churchland Academy Elementary School, Portsmouth
- Camden County Intermediate School, Camden County
- Kempsville Community Recreation Center, Virginia Beach
- Williams Farm Community Recreation Center, Virginia Beach

HBA | LEAD ARCHITECT – RESUMES**R. Edward Stanton**

Building Constructability Specialist, HBA

**EDUCATION**

Tidewater Community College

EXPERIENCE

34 years in industry
34 years with HBA

Ed Stanton is a detail-oriented person with experience and knowledge in commercial interiors and construction drawings and has extensive experience with school design. An expert CADD operator, he is adept at rendering 3D perspectives of CADD projects. He has received specialized training in the placement of lighting in relation to building design and usage and is certified by General Electric's Light School in Cleveland, Ohio. Mr. Stanton has been with HBA for 34 years. His experience includes work on more than 100 educational facilities projects during his tenure with the firm.

RELEVANT EXPERIENCE

- Kellam High School Replacement, Virginia Beach
- Virginia Beach Middle School Replacement, Virginia Beach
- Tallwood High School, Virginia Beach
- Princess Anne High School Renovations, Virginia Beach
- John B. Dey Elementary School Modernization, Virginia Beach
- Pembroke Meadows Elementary School Modernization, Virginia Beach
- Lynnhaven Elementary School Modernization, Virginia Beach
- Malibu Elementary School Modernization, Virginia Beach
- Red Mill Elementary School, Virginia Beach
- Ocean Lakes Elementary School, Virginia Beach
- Rosemont Forest Elementary School, Virginia Beach
- Jamestown High School, Williamsburg
- Churchland High School, Portsmouth
- Currituck County High School, Currituck
- Berkley Middle School Modernization, Williamsburg
- Camden Middle School Modernization, Camden County
- Camden County High School Renovation/Addition, Camden County
- Camden County Middle School Gymnasium Addition, Camden County
- Camden High School Locker Room Addition, Camden County
- Camden Schools Sports Recreation Complex, Camden County
- Princess Anne High School HVAC Replacements, Virginia Beach
- Principal Anne High School Gym Bleacher Replacement, Virginia Beach
- Shelton Park Elementary School Reroofing, Virginia Beach
- Corporate Landing Elementary School Floor Finish Replacement, Virginia Beach

HBA | LEAD ARCHITECT – RESUMES**Amanda LeBeau, AIA**

Project Architect, HBA

**EDUCATION**

BArch, Virginia Polytechnic
Institute & State University, 2011

EXPERIENCE

10 years in industry
4 years with HBA

**REGISTRATION AND
CERTIFICATION**

Registered Architect: VA

MEMBERSHIPS

American Institute of
Architects

Amanda's varied experience makes her a valuable asset on any HBA team. Her experience includes all aspects of project design, including concept design and design development, schematic design, budget management, construction document supervision, specifications, consultant coordination and construction administration. Project experience includes recreational, educational, and community.

Amanda also has experience managing projects through Newforma, from sharing design ideas with clients all the way through construction administration – to keep things on schedule and ensure access to all members of the team.

RELEVANT EXPERIENCE

- Kellam High School Replacement, Virginia Beach
- Kellam High School Furniture, Fixtures & Equipment (FF&E), Virginia Beach
- John B. Dey Elementary School Modernization, Virginia Beach
- Kempsville High School Entrepreneurial Business Academy Renovations, Virginia Beach
- Princess Anne High School Urban Concept, Virginia Beach
- Site planning for Princess Anne Elementary School, Virginia Beach
- Maury High School Educational Specification, Norfolk Public Schools, Norfolk
- Maury HS Modernization Renovation vs Replacement Feasibility Study, Norfolk
- Nansemond Suffolk Academy, Suffolk
- Cedar Road Elementary School Addition, Chesapeake
- Page Middle School Phase I and Phase II, Franklin, TN
- Page High School Phase II, Franklin, TN
- Brentwood HS STEM Building, Brentwood, TN
- Brentwood HS Admin Addition & Renovation, Brentwood, TN

HBA | LEAD ARCHITECT – RESUMES



EDUCATION

BArch, Virginia Polytechnic
Institute & State University, 2013

EXPERIENCE

8 years in industry
8 years with HBA

**REGISTRATION AND
CERTIFICATION**

Registered Architect: VA

MEMBERSHIPS

American Institute of
Architects
United States Green Building
Council (USGBC)

Lauren Perry, LEED AP BD+C

Project Architect | LEED Project Administrator, HBA

Lauren's varied experience makes her a valuable asset on any HBA team. Her experience includes all aspects of project design, including concept design and design development, schematic design, budget management, construction document supervision, specifications, consultant coordination and construction administration. Project experience includes recreational, educational, and community.

As a LEED Accredited Professional with a Building Design and Construction specialty, Lauren brings a practical understanding of environmental concerns and the effects of the built environment on our future. Her project contributions translate into calculated, budget-minded design decisions that benefit the project Owner, User, Community and our Environment.

As a professional trained in Crime Prevention Through Environmental Design (CPTED), Lauren weaves passive safety and security measures into each space she designs – creating a building that is safe and secure, but still engaging and inviting.

Lauren's passion for student-centered educational design and her innovative approach to re-imagining the typical learning environment drives innovation within her projects.

RELEVANT EXPERIENCE

- Kellam High School, Virginia Beach
- John B. Dey Elementary School Modernization, Virginia Beach
- Kellam High School Furniture, Fixtures & Equipment (FF&E)
- Kempsville High School Entrepreneurial Business Academy Renovations, Virginia Beach
- Kempsville Community Recreation Center, Virginia Beach
- Salem High School Roof Replacement, Virginia Beach
- Salem Middle School Roof Replacement, Virginia Beach
- Albemarle County Public Schools High School Facilities Planning Study
- Jamestown High School Interior Finishes Replacement, Williamsburg
- Virginia Beach Friends School Master Plan, Virginia Beach
- St. Pius X Catholic School Master Plan, Norfolk
- St. Pius X Catholic School Renovations, Norfolk
- 21st Century Learning Environments – 16 Library Renovations, Virginia Beach
- Bayside High School Gym Bleacher Replacement, Virginia Beach
- Princess Anne High School Urban Concept, Virginia Beach
- Berkeley Middle School Cafeteria Expansion, Williamsburg
- Goochland County Public Schools Facilities & Educational Assessment
- Hickory High School HVAC Replacement, Chesapeake

HBA | LEAD ARCHITECT – RESUMES**Alexis Hudson, CID, IIDA**

Interior Designer, HBA

**EDUCATION**

BFA Fine Arts, Georgia State University, 2015

EXPERIENCE5 years in industry
2 years with HBA**REGISTRATION AND CERTIFICATION**Virginia: Certified Interior Designer
NCIDQ: Certified Interior Designer**MEMBERSHIPS**International Interior Design Association (IIDA)
Professional Member

Alexis has 5 years of interior design experience in both renovation and new construction projects for government and private-sector clients alike. Alexis focuses her time on space planning, finishes and furnishings specifications for projects with budgets ranging from \$5,000 to more than \$3 million. Many of the projects have included custom-designed products. She holds certifications for the commonwealth of Virginia and the National Council for Interior Design Qualification.

RELEVANT EXPERIENCE

- Virginia Beach City Public Schools Annual Services Contract
- Virginia Beach City Public Schools Staff Relocations, Virginia Beach
- City of Virginia Beach Annual Services Contract
- City of Chesapeake Annual Services Contract
- Community Options Program, Renovations to Community Center, Chesapeake
- Chesterfield County Term Contract
- City of Chesapeake, Renovations for Municipal Buildings, Chesapeake
- SOAR365 Multipurpose Facility, FF&E package, Chesterfield County
- Dollar Bank, Various Branches, Virginia Beach
- Harbor Group International, Space Planning for Multiple Tenants, Norfolk
- Dominion Tower Hertz International Group LLC, Space Planning for Multiple Tenants, Norfolk
- JLL Group, Space Planning for Multiple Tenants, Norfolk
- InMotion Hosting, Office relocation and renovation, Virginia Beach
- DCA Dentistry New Office Construction, Virginia Beach
- Williams Mullen, Renovations, Tysons
- Fairlead Integrated, Renovations, Portsmouth
- City of Chesterfield, Renovations for Municipal Buildings, Chesterfield
- City of Virginia Beach, Furniture Specifications for Multiple Municipal Buildings, Virginia Beach
- CHKD Administration Offices, McKinnon Tower, Norfolk



TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
RRMM



RRMM Architects (RRMM) | ARCHITECT

We're the people behind your schools, fire stations, stores, medical offices, and so many other spaces. We design secure, high performing facilities for first responders and our nation's military, and welcoming spaces for our most fragile citizens to call home. And we pride ourselves on providing the same level of attention to detail on a roofing project that we do on a new church, because we know that even the smallest of projects make a big difference to our clients.

We strive to become a part of your team during the design process; we want to work with you, not for you. We live, work, and shop in the communities where we design projects. Our children attend many of the schools we have designed. These personal connections mean that we design each building as if we are designing for ourselves. And, as it so very often happens, that's exactly what we're doing.

RRMM Architects is an award-winning, full-service architecture, planning and interior design firm with offices in Chesapeake, Richmond, Roanoke, Arlington and Rockville, MD. Since our founding in 1988, the firm has grown to 127 employees, and was recognized as the largest architecture based firm in the Commonwealth by Virginia Business magazine.

Built on the foundation of a broad and dedicated clientele with repeat business exceeding 60 percent, and attaining 40 percent of new clients, RRMM Architects has consistently demonstrated a level of service and design that has earned the trust and respect of clients and peers alike. As visionaries, asking the right questions and developing a thorough understanding of the client's needs and goals is the first step in setting a solid foundation for decision making during the design process. RRMM is committed to our clients' success and to our mission of creating great places to live, work, play and learn.

LOCAL EXPERIENCE

RRMM Architects has extensive experience in providing facility studies, architecture, planning and interior design services for public schools throughout Virginia. We have provided these services since our inception in 1988. This experience includes high, middle, elementary school and combined facilities whether new or renovated, prototypical or custom, large or small, simple or complex.

**Innovative
Architecture
and Design
for K-12**



RRMM has completed:

\$1.3B+

\$ of K-12 Design
over the last 10 Years

6.3M+

SF of K-12 Design
over the last 10 Years

33

Years in Business

127

Employees

40

Registered Architects

RRMM | ARCHITECT

PK-12 EDUCATION: CREATING GREAT PLACES TO LIVE, WORK, PLAY AND LEARN.

We consider it a privilege to have successfully served school systems in nearly every part of Virginia for over 25 years, providing award-winning learning environments for children, educators, and the community. We have significant experience for every type of school project, whether it be elementary, middle, or high schools, special needs or alternative education, new or renovated, simple or complex. Our education team is dedicated to our mission of creating great places to work, live and learn.



All of RRMM Architects' school design personnel are dedicated to the future of our children, their contribution to society and the creation of effective learning environments that support the best possible opportunities for student learning. We blend the skills of our educational studio staff with that of other members in our firm, bringing Virginia Beach City Public Schools an extensive array of project experience. We believe our educational focus and our commitment will be a valuable asset to you.

K-12 RELEVANT EXPERIENCE

Relevant Experience previously shown under Combined and/or SBBCC Experience includes:

- Southside STEM Academy at Campostella, Norfolk, VA
- Richard Bowling Elementary School, Norfolk, VA
- Larchmont School, Norfolk, VA
- Ocean View Elementary, Norfolk, VA
- Camp Allen Elementary, Norfolk, VA
- Union High School, Wise County, VA
- Central High School, Wise County, VA
- Kings Fork High School, Suffolk, VA
- Old Donation School, Virginia Beach, VA
- Princess Anne Middle School, Virginia Beach, VA
- Renaissance Academy, Virginia Beach, VA

The following pages present RRMM projects that are most relevant to the VBCPS' **Schools for the Future** project:

- Pulaski Middle School, Pulaski County, VA
- River City Middle School, Richmond, VA
- Manchester Middle School, Chesterfield County, VA
- Colonel Fred Cherry Middle School, Suffolk, VA
- Page Middle School, Gloucester County, VA
- Georgie D. Tyler Middle School, Isle of Wight County, VA
- Robert E. Aylor Middle School, Frederick County, VA
- Auburn High School (PPEA), Montgomery County, VA
- New Kent High School, New Kent County, VA
- Grassfield High School, Chesapeake, VA

RRMM | ARCHITECT | K-12 EXPERIENCE



OWNER

Pulaski County
Public Schools

PULASKI MIDDLE SCHOOL

Pulaski County, Virginia

PROJECT STATUS

Completed 2020

PROJECT SIZE

126,658 SF New Construction
1,000 Students

PROJECT COST

\$47 Million

After many years of deliberation, Pulaski County decided to pursue consolidation of its two middle schools into a new combined school. RRMM worked with a committee that involves a joint effort between the County Board of Supervisors and the School Board to help the County select a site for the new middle school.

Primary program elements include:

- 225 parking spaces
- 24 bus loading spaces
- One baseball field
- One softball field
- Two multi-purpose fields
- 42 core subject classrooms
- Two self contained special education classrooms
- Three collaboration areas in lieu of computer labs
- One language arts
- Modest CTE
- 1150-seat gym
- Auxiliary gym
- 450-seat auditorium

Pulaski Middle School | pg. 2



Pulaski Middle School | pg. 3



Pulaski Middle School | pg. 4



Pulaski Middle School | pg. 5

FIRST FLOOR



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RRMM | ARCHITECT | K-12 EXPERIENCE



OWNER

Richmond Public Schools

PROJECT STATUS

Completed 2020

PROJECT SIZE

182,000 SF New Construction
1,400 Students

PROJECT COST

\$55.4 Million

RIVER CITY MIDDLE SCHOOL

Richmond, Virginia

This new middle school replaced two existing middle schools, Elkhardt Middle School and Thompson Middle School. The new school is built on the Elkhardt Middle School site. This project is part of a larger project for Richmond Public Schools that included two new elementary schools in addition to the new middle school.

The school's design was chosen by Richmond parents, students, teachers, and other city residents after a public process of community engagement and neighborhood meetings. The School Board opted to utilize a prototypical design in order to save money, rather than design the new schools from scratch.

The new middle school building is based on the design of Colonel Fred Cherry Middle School in Suffolk, Virginia. Athletic storage facilities are included by the playfields.

River City Middle School | pg. 2



River City Middle School | pg. 3



River City Middle School | pg. 4



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RRMM | ARCHITECT | K-12 EXPERIENCE



OWNER

Chesterfield County Public Schools

MANCHESTER MIDDLE SCHOOL

Chesterfield County, Virginia

PROJECT STATUS

Building Completed Sept. 2020
Scheduled Completion 2021
(Sitework and existing building demolition)

This new 135,000 square foot, two-story middle school is being built on the same property as the existing Manchester Middle School. Our design allows the existing middle school to remain open while the new facility is constructed.

PROJECT SIZE

135,000 SF
1,100 Students

This new school includes "grade houses" for 6th, 7th & 8th grades. The initial school capacity accommodates 1,100 students. The core facilities are designed to accommodate up to 800 students, allowing for future expansion.

PROJECT COST

Estimated \$40.5 Million

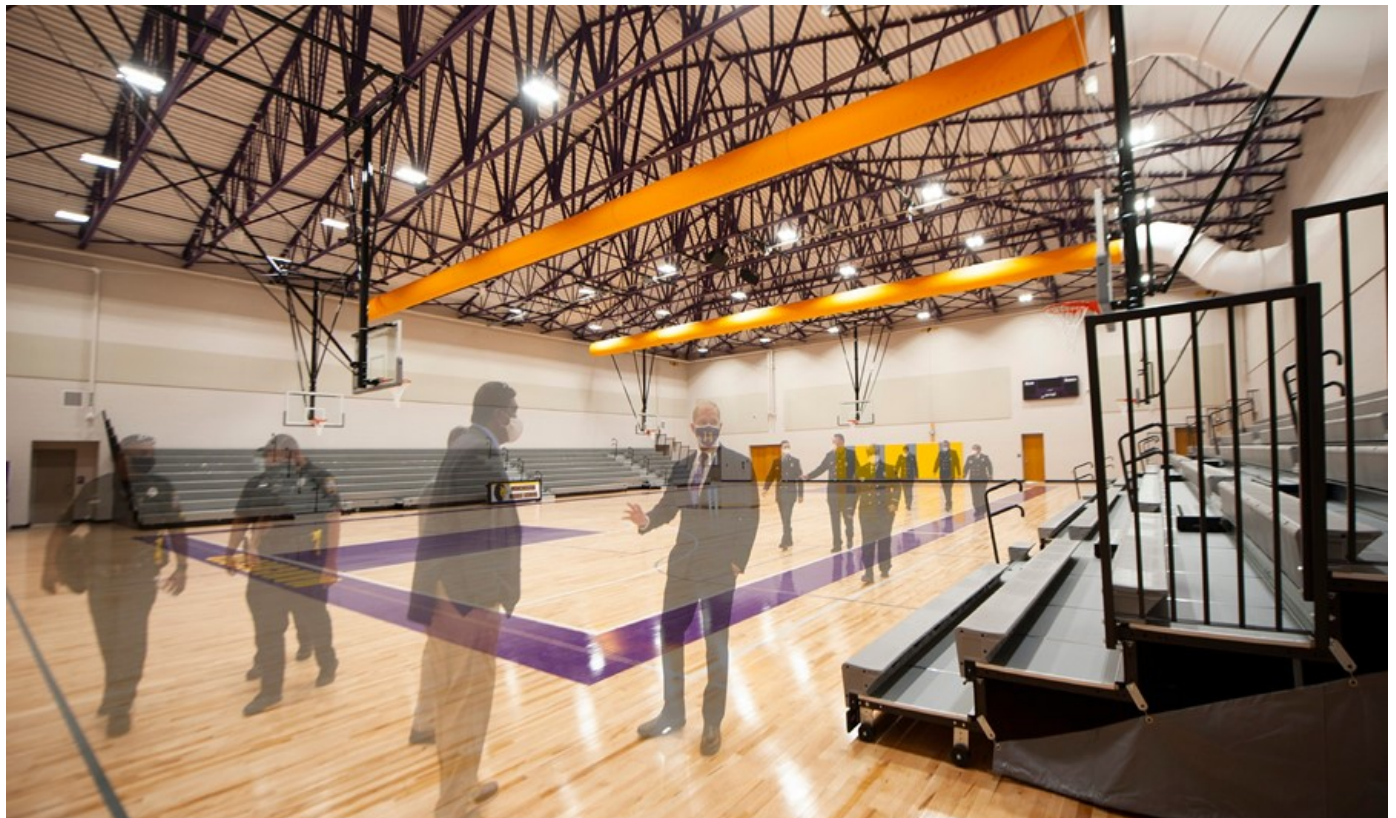
Each "grade house" contains three science labs that share two science prep rooms. In addition to the "grade houses", an exploratory wing offers students electives in such courses as band, chorus, orchestra, foreign language, technology/fabrication, business, and art.

Other spaces include a full-size competition gymnasium with telescoping bleachers that seat approximately 800 with locker rooms, a 600-seat auditorium, special education classrooms and a media center.

Manchester Middle School | pg. 2



Manchester Middle School | pg. 3



Manchester Middle School | pg. 4



Manchester Middle School | pg. 5

FIRST FLOOR

- DEPARTMENT
- ADMINISTRATION
 - BUILDING SERVICES / RESTROOMS
 - CAFETERIA / KITCHEN
 - CIRCULATION
 - EXPLORATORY / CAREER / TECHNICAL EDUCATION
 - FINE ARTS / AUDITORIUM / MUSIC / ART
 - GENERAL CLASSROOMS
 - PHYSICAL EDUCATION / ATHLETICS
 - SCIENCE
 - SPECIAL EDUCATION



SECOND FLOOR

- DEPARTMENT
- ADMINISTRATION
 - BUILDING SERVICES / RESTROOMS
 - CIRCULATION
 - GENERAL CLASSROOMS
 - MEDIA CENTER
 - SCIENCE
 - SPECIAL EDUCATION





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RRMM | ARCHITECT | K-12 EXPERIENCE



OWNER

Suffolk Public Schools

PROJECT STATUS

Completed 2018

PROJECT SIZE

125,200 SF
800 Students

PROJECT COST

\$25.5 Million

COLONEL FRED CHERRY MIDDLE SCHOOL

Suffolk, Virginia

The new Suffolk Middle School is designed after the original Page Middle School located in Gloucester, Virginia. It includes an increased number of classrooms for each grade, as well as a larger auditorium and gym when compared to its predecessor. The school is organized into two zones with public spaces located across the front of the building and three different grade "houses" along the back, separated by a "main" street, or main circulation space.

The 125,200 square foot, two-story design includes classrooms on the upper floor with circulation space that overlooks the first floor exploratory spaces, used as an extended learning area for all students in the grade house. Located between each grade house, and adjacent to each exploratory area, is a secured courtyard allowing the teachers to extend the classroom to the outdoors. Electives are located along "main street" allowing students from one grade to access the space without entering into another grade house. The second floor media center is centrally located and stacks above the administration suite. The openness, coupled with abundant natural light, present dynamic interior spaces making it a very pleasant learning environment.

Colonel Fred Cherry Middle School | pg. 2



Colonel Fred Cherry Middle School | pg. 3



Colonel Fred Cherry Middle School | pg. 4



Colonel Fred Cherry Middle School | pg. 5



Colonel Fred Cherry Middle School | pg. 6

FIRST FLOOR



SECOND FLOOR



RRMM | ARCHITECT | K-12 EXPERIENCE



OWNER

Gloucester County Public Schools

PAGE MIDDLE SCHOOL

Gloucester County, Virginia

PROJECT STATUS

Completed 2015

PROJECT SIZE

116,800 SF
700 Students

PROJECT COST

\$22 Million

The new 116,800 square foot middle is organized into two zones with public spaces located across the front of the building and three different grade “houses” located along the back. These are separated by a “main” street, or main circulation space. The two-story design includes classrooms on the upper floor with circulation space that overlooks the first floor exploratory spaces.

These exploratory spaces are used as an extended learning area for all students in the grade house. The second floor media center is centrally located and stacks above the administration suite. In addition to the design for this new middle school, RRMM worked with the school district to create a masterplan for future school growth and site development.

Page Middle School | pg. 2



Page Middle School | pg. 3



Page Middle School | pg. 4



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RRMM | ARCHITECT | K-12 EXPERIENCE

**OWNER**

Isle of Wight County Public
Schools

PROJECT STATUS

Completed 2014

PROJECT SIZE

115,000 SF
550 Students (800 Core)

PROJECT COST

\$19.3 Million

GEORGIE D. TYLER MIDDLE SCHOOL

Isle of Wight County, Virginia

This new 115,000 square foot, two-story middle school was built on the same property as the existing Windsor Middle School. Our design allowed the existing middle school to remain operational while the new facility was constructed.

This new school includes "grade houses" for 6th, 7th & 8th grades. The initial school capacity accommodates 550 students. The core facilities are designed to accommodate up to 800 students, allowing for future expansion.

Each "grade house" contains two science labs that share a science prep room. In addition to the "grade houses", an exploratory wing offers students electives in such courses as band, chorus, foreign language, technology/fabrication, business and art.

Other spaces include a full-size competition gymnasium with telescoping bleachers that seat approximately 800 with locker rooms, a 400-seat auditorium, special education classrooms and a media center.

Georgie D. Tyler Middle School | pg. 2



Georgie D. Tyler Middle School | pg. 3



Georgie D. Tyler Middle School | pg. 4

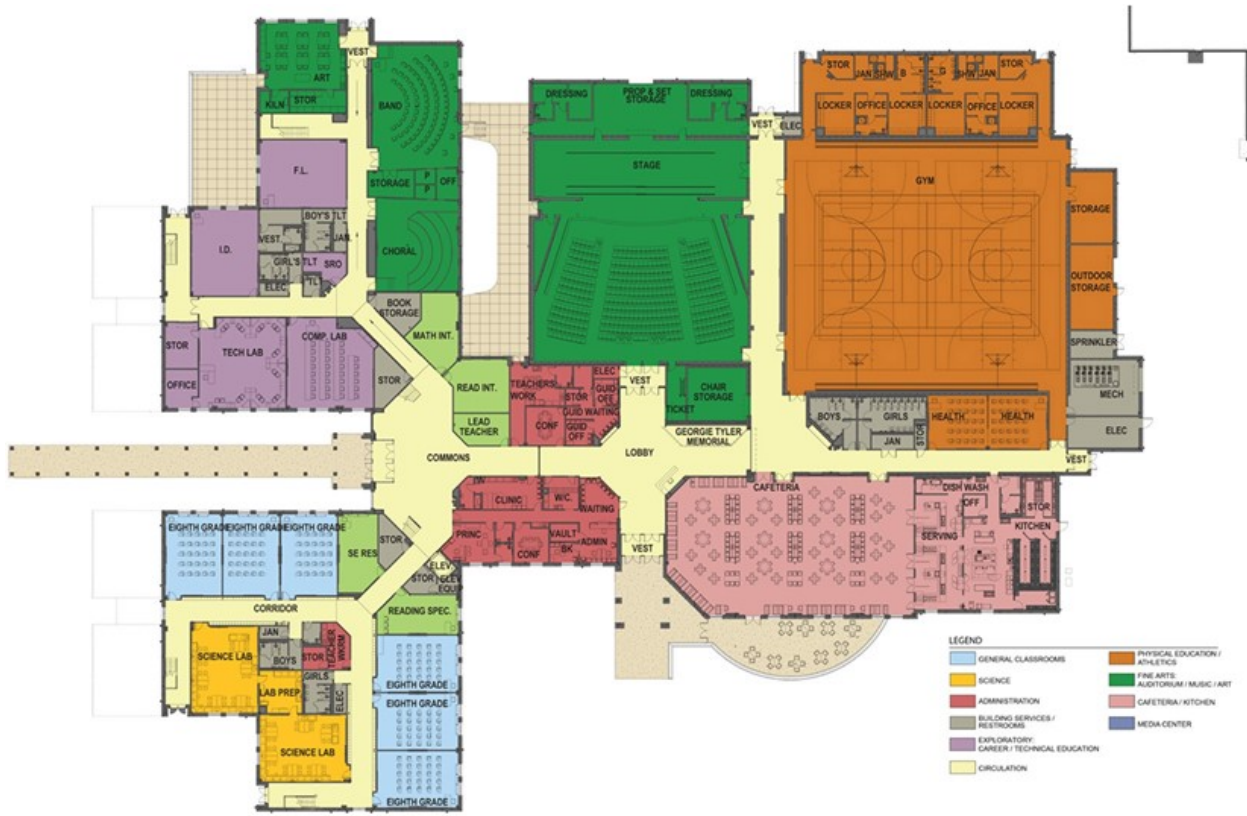


Georgie D. Tyler Middle School | pg. 5



Georgie D. Tyler Middle School | pg. 6

FIRST FLOOR



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RRMM | ARCHITECT | K-12 EXPERIENCE



Rendering - Front Entrance

OWNER

Frederick County Public Schools

ROBERT E. AYLOR MIDDLE SCHOOL

Frederick County, Virginia

PROJECT STATUS

Currently Under Construction
Scheduled Completion
2021

The new Aylor Middle School is a replacement for the original 50-year-old building, which experienced problems with high carbon dioxide levels. The new middle school facility is being built on a new 51-acre site.

PROJECT SIZE

148,000 SF
1,015 Students

The facility was originally slated to be 134,255 square feet with a 728 student capacity, but additional funds were approved, allowing the school design to expand its capacity by 300 students and add 12 classrooms.

PROJECT COST

Estimated \$48.7 Million



Rendering - Courtyard



Rendering - Corridor

Robert E. Aylor Middle School | pg. 2



Robert E. Aylor Middle School | pg. 3

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RRMM | ARCHITECT | K-12 EXPERIENCE



OWNER

Montgomery County
Public Schools

AUBURN HIGH SCHOOL (PPEA)

Montgomery County, Virginia

PROJECT STATUS

Completed 2013

PROJECT SIZE

180,000 SF
600 Students

PROJECT COST

\$36.1 Million

Montgomery County Public Schools needed two new high schools and a middle school. Since funding was limited, a creative yet budget sensitive approach was needed. RRMM Architects, with a general contractor and another architect, submitted a public-private proposal that was accepted by the school system to design and construct two new high schools and renovate the existing high school to a middle school. RRMM Architects was responsible for the design of the two schools located in the Auburn Strand area of the county: the new Auburn High School and the renovation/addition to the old high school to create the new Auburn Middle School.

The existing Auburn High School has long been a community focal point since its construction in 1938. Several years ago a new elementary school was built on this property. The construction of the New Auburn High School and the conversion of the existing high school into the New Auburn Middle School completes this campus as an educational and community center that will serve the area's future generations. Preservation of the oldest portion of the existing high school as a significant community landmark was an important public criteria and site design element.

The design effectively separates the building use functions into academic, athletic, administrative and special purpose groups. Public access is provided to administrative and athletic areas. The academic wing is a two story structure organized around a central monumental stair and Media Center. Career and Technical Education areas adjoin the art, music and central auditorium spaces allowing interaction between these curricula.

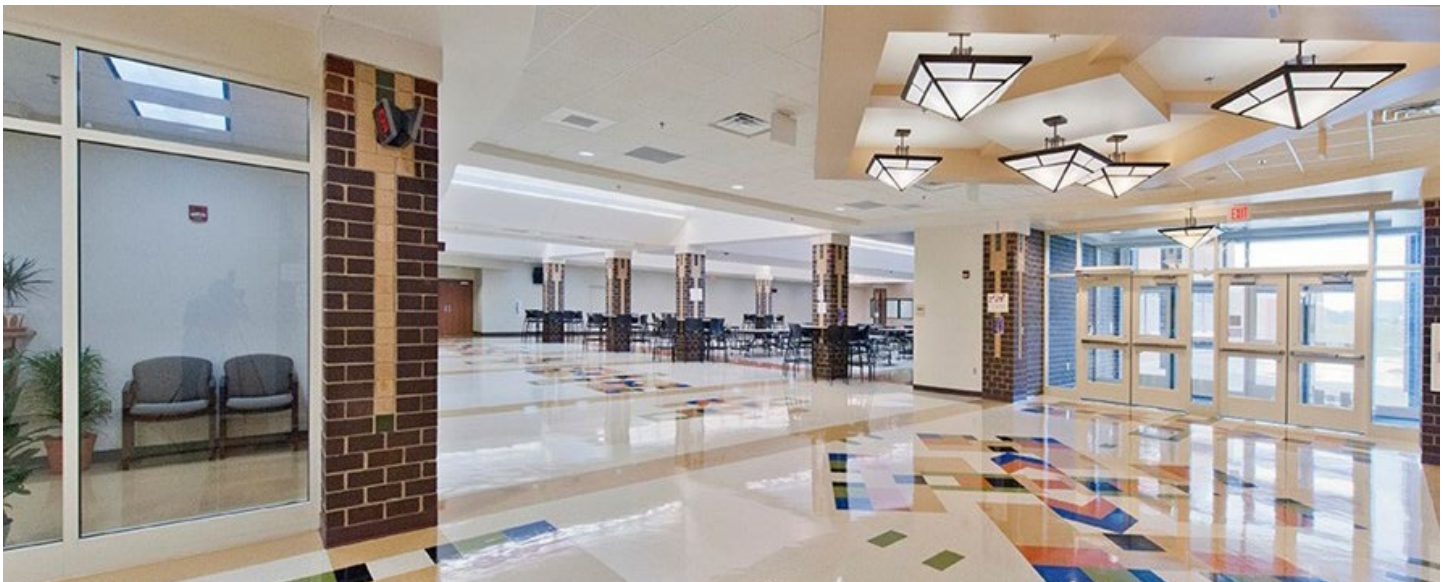
Auburn High School (PPEA) | pg. 2



Auburn High School (PPEA) | pg. 3



Auburn High School (PPEA) | pg. 4



Auburn High School (PPEA) | pg. 5

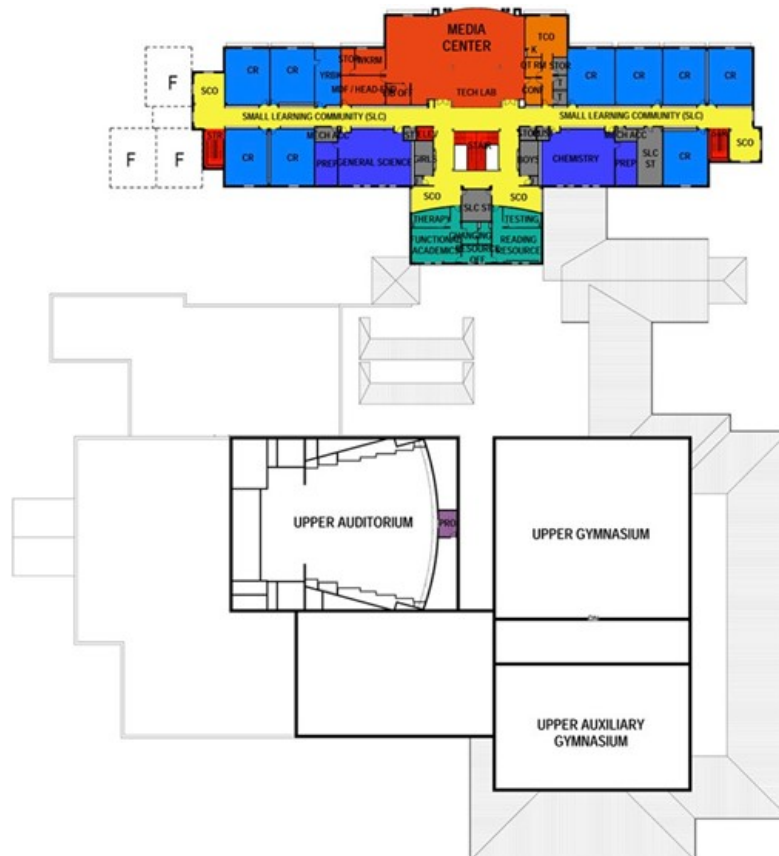


Auburn High School (PPEA) | pg. 6

FIRST FLOOR



SECOND FLOOR



RRMM | ARCHITECT | K-12 EXPERIENCE

**OWNER**

New Kent County Public
Schools

PROJECT STATUS

Completed 2008

PROJECT SIZE

243,700 SF
1400 Students

PROJECT COST

\$43.4 Million

NEW KENT HIGH SCHOOL

New Kent County, Virginia

Providing 243,700 SF, New Kent High School is a 1,400 student facility situated on a 129-acre site that is part of an "educational campus" including elementary, middle and high schools and is surrounded by rural residential and future mixed-use developments (village concept). This design was the result of a participatory planning process that included members of the School Board, School Administrators and Staff, Design Team, Students, Community members, County Administrator and the Board of Supervisors.

The school is organized around the idea of a school within a school concept and is broken down into four smaller houses on two floors (combined to form the Academic Wing). The purpose of these houses is to give the sense of a smaller school community within the larger school. Each house is home to 350 students within the larger 1,400 student facility. The design is flexible and can operate under a grade house philosophy, or as a traditional high school. The Academic Wing is divided into four houses for grades 9 through 12. This configuration minimizes student travel for all core classes, including centralized science classrooms, special services classrooms and numerous electives. Common spaces, teacher centers and restroom cores are located in each house. The design includes central circulation features to facilitate movement within the academic house.

New Kent High School | pg. 2



New Kent High School | pg. 3



New Kent High School | pg. 4



New Kent High School | pg. 5

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RRMM | ARCHITECT | K-12 EXPERIENCE



OWNER

Chesapeake Public
Schools

GRASSFIELD HIGH SCHOOL

Chesapeake, Virginia

PROJECT STATUS

Completed 2007

PROJECT SIZE

353,366 SF
2400 Students

PROJECT COST

\$56 Million

The innovative organizational concept for the new Grassfield High School is in response to Chesapeake Public Schools' desire to build educational facilities that meet the needs of the latest trends in educational delivery methods, yet provide flexibility for potential changes in educational philosophy. This concept is the result of months of research, numerous high school visitations, hours of design sessions with Chesapeake Public Schools personnel and the exploration of 10 concept options. This facility can operate in a house or academy (school within a school) philosophy, in a standard, or departmental philosophy for 2,200 students with a core capacity of 2,400 students.

In the school within a school philosophy, the houses may be assigned in a number of ways. For example, there may be one 9th grade house and three academies that house grades 10 through 12 or, as in the case of the new High School, the four academies may be assigned to a separate grade level. This philosophy minimizes student travel for all core classes and numerous electives. The academy approach allows students to stay within their house for the majority of the school day and provides teachers, guidance counselors and assistant principals with the familiarity that is enjoyed in a small school. There are obvious benefits for the students' educational experiences.

Classrooms include additional windows that are specifically designed for daylighting. Daylighting, while improving the academic experience, also reduces building energy costs by reducing or eliminating the need for artificial lighting during daytime. Light fixtures with dimming controls automatically reduce the artificial lighting in response to daylight. This in turn allows for reduction in the quantity of mechanical equipment needed to cool the space. Light shelves on the southern exposure reflect light onto a sloped ceiling that carries light deep into the space. Other sustainable design features include waterless urinals, light colored roof materials to reflect solar heat, and occupancy sensors that turn lights off when rooms are not in use.

Grassfield High School | pg. 2



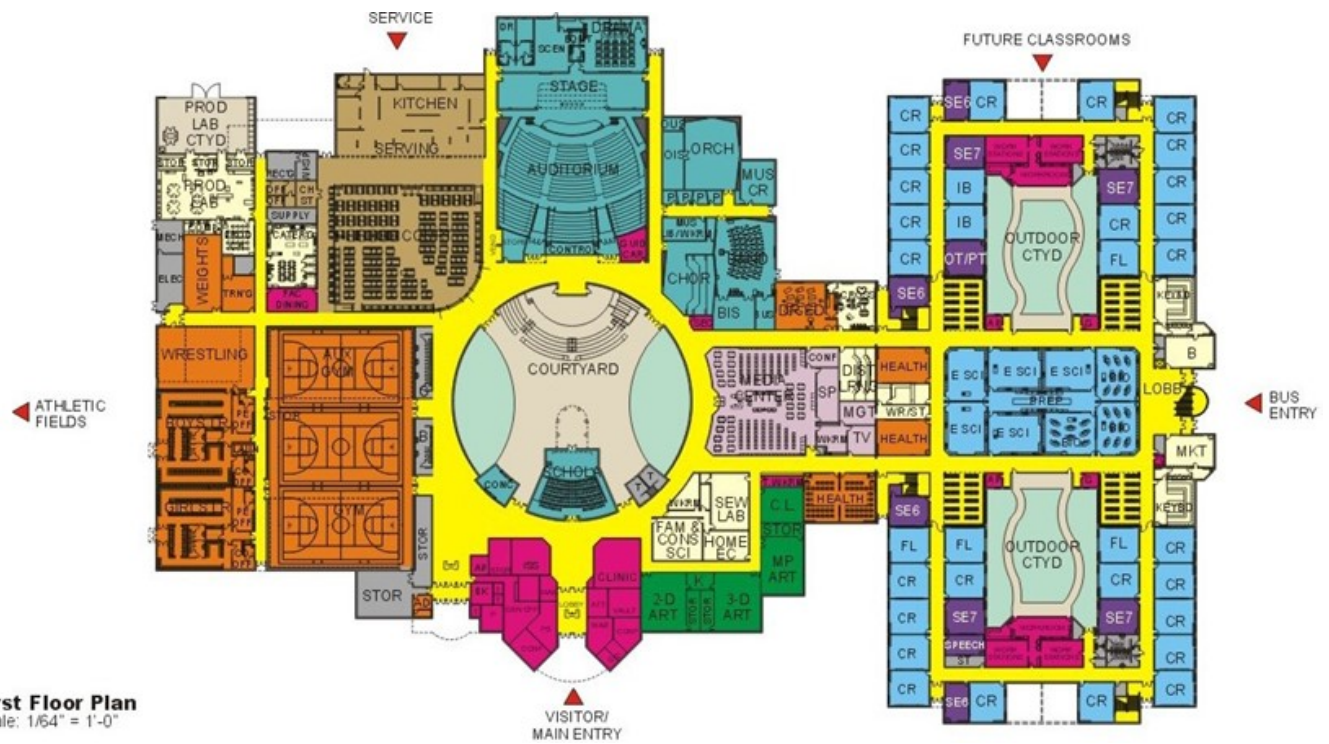
Grassfield High School | pg. 3



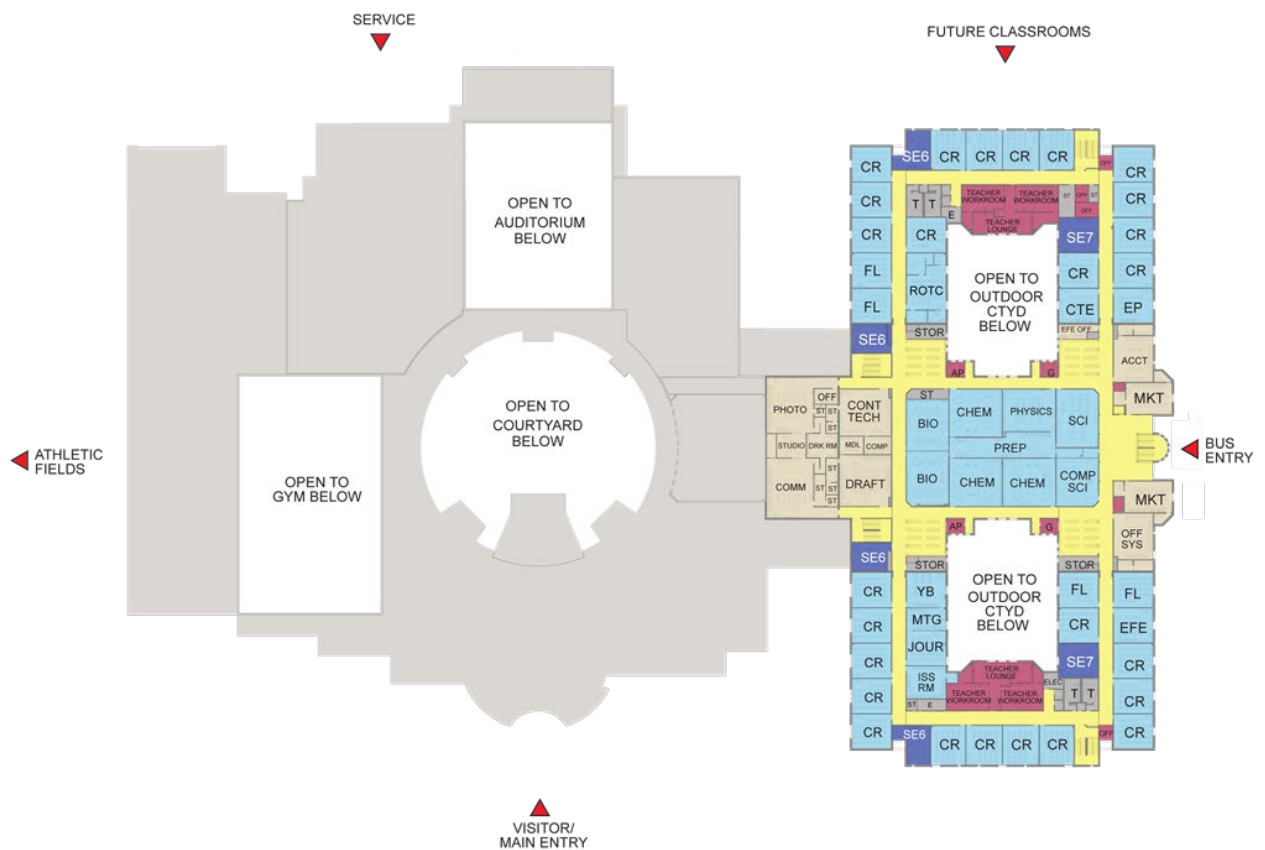
Grassfield High School | pg. 4



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RRMM | ARCHITECT - RESUMES

Please see the following pages for the RRMM Design Team:

DUANE HARVER

Project Overview

As Chief Executive Officer/President and Director of RRMM's K-12 Design Studio, Duane has the overall responsibility for the educational design and successful integration of project resources from the Architectural/Engineering team for the project.

ROB BERZ

Principal-in-Charge

Develops solutions and creates project designs and plans to client. Initiates and creates project design and plans of all phases of one or more projects and has responsibility for preparing presentation and design drawings. Coordinates all trades and agencies related to building design while monitoring drawings.

LARRY SIMERSON

Project Manager

Has full responsibility for managing project from initial design through construction completion. Prepares strategic plans for project success. Responsible for the coordination of project efforts, administrative and technical, to assure the most efficient and cost-effective execution. Serves as the primary architectural liaison to bring the schedule, budgets, and scope of work to completion. Actively coordinates with construction team on budget, schedule, and program; project communications and documentation; office administrative tasks; and project team assignments. Estimates fees, determines scope of works, and prepares proposals and contracts for A/E team along with Principal.

JASON HOWELL

Project Architect

Responsible for interpreting, organizing, executing, and coordinating assignments. Works directly with the Project Manager in the development of documents – design, details, specification and execution of same. Plans and develops project concerning complexities that significantly impact major program. Involves exploration of subject area, definition of design, selection of items for investigation, and development of novel concepts and methods.

JEFFREY HARRIS

Project Designer

Works collaboratively on architectural design, steers design team and coordinates project design efforts. Develops planning and creative-design concepts. Prepares presentation and design drawings and details.

SARAH BUTLER

Interior Designer / FF&E Package

Responsible for schematic interior design work including furniture and equipment layouts, finish patterns and other interior components of the design. Participates in the design control and administration of project in the design development, construction document, and construction phases. Provides direction to supporting staff interior designers. Responsible for coordinating project budget and cost control with construction contractor related to finishes and FF&E.

JASON STURNIOLO

BIM / Laser Scanning

Captures a high-density point cloud of the physical building and site, which leads to the creation and maintenance of a BIM model that reflects true "as-is" conditions.

RANDY BRAUNER

Construction Administration

Understand project specifications and construction documents. Meet with the general contractor and clients to assist in construction process. Perform on-site inspections of construction progress and evaluate compliance with construction document requirements. Distribute, review, document project construction submittals and correspondence.

RRMM | ARCHITECT – RESUMES



DUANE HARVER, RA

Project Overview

As Chief Executive Officer/President and Director of RRMM's K-12 Design Studio, Duane has the overall responsibility for the educational design projects completed by the firm's K-12 Studio. His 38-year architectural career has focused on projects designed to educate and enrich the lives of students of all ages. His expertise in working collaboratively with all stakeholders has been praised by a number of superintendents, school board members, and facility planners statewide. His past designs have received numerous design awards from the Virginia School Board Association and the National School Board Association.

EDUCATION

BArch, Virginia Tech, 1982

EXPERIENCE

40 Years Total
23 Years with RRMM

REGISTRATION AND CERTIFICATION

Registered Architect: VA,
GA, IA, ME, MN, NE, NY, ND,
UT, VT, WV

MEMBERSHIPS

Past President – Council of
Educational Facility Planners
International, Virginia
Chapter

AWARDS

Nominee, A4LE Lifetime
Achievement Award

RELEVANT EXPERIENCE

Five New Elementary Schools, Norfolk, VA (PPEA)

Design for five new elementary school for Norfolk Public Schools. These schools were designed and constructed under a PPEA with S.B. Ballard Construction Company.

Princess Anne Middle School, Virginia Beach, VA

New 250,000 SF replacement school designed for 1,500 learners in 6th through 8th grade. Estimated completion in 2021.

Old Donation School, Virginia Beach, VA

New 225,000 SF school dedicated to students gifted in academics and the arts. ODS is home to 1,375 students in 2nd through 8th grade.

Colonel Fred Cherry Middle School, Suffolk, VA

New 125,200 SF facility designed after the original Page Middle. The design includes an increased number of classrooms for each grade, as well as a larger auditorium and gym.

Page Middle School, Gloucester County, VA

New 116,800 SF middle school designed to accommodate 700 students. The design is organized into two zones with common public spaces and grade houses along the back.

King's Fork Middle School, Suffolk, VA

New 190,000 SF middle school designed for 1,200 students. The design includes distinct academic wings for 6th, 7th and 8th grade, as well as a wing for exploratory subjects.

Grassfield High School, Chesapeake, VA

New 353,366 SF high school that incorporates the school within a school philosophy, which allows the grade houses to be arranged in a number of different ways.

King's Fork High School, Suffolk, VA

New 277,910 SF high school designed for 1,800 students. The design includes four grade houses that connects to a inner corridor that leads to the common areas.

Central and Union High Schools, Wise County, VA (PPEA)

Design for two new high schools was based on a prototype school and completed as a PPEA project with S.B. Ballard Construction Company.

New Kent High School, New Kent County, VA

New 243,700 SF high school designed for 1,400 students.

RRMM | ARCHITECT – RESUMES



ROB BERZ, RA, LEED AP

Principal-in-Charge

As Chief Executive Officer/President and Director of RRMM's K-12 Design Studio, Duane has the overall responsibility for the educational design projects completed by the firm's K-12 Studio. His 38-year architectural career has focused on projects designed to educate and enrich the lives of students of all ages. This experience has included planning, renovations, additions, and new construction of high schools, middle schools, elementary schools, and university structures. His expertise in working collaboratively with all stakeholders has been praised by a number of superintendents, school board members, and facility planners statewide. His past designs have received numerous design awards from the Virginia School Board Association and the National School Board Association.

EDUCATION

BArch, University of
Tennessee, 1990

EXPERIENCE

31 Years Total
19 Years with RRMM

**REGISTRATION AND
CERTIFICATION**

Registered Architect: VA, AL,
GA, IL, IN, KY, LA, NV, NJ, NC
SD, NCARB
LEED Accredited Professional
BD+C CPTED Certified

MEMBERSHIPS

Virginia Green Building
Council, Past Board
Chairman
Hampton Roads Resiliency
Coalition

RELEVANT EXPERIENCE

Princess Anne Middle School, Virginia Beach, VA

New 250,000 SF replacement school designed for 1,500 learners in 6th through 8th grade.
Estimated completion in 2021.

Old Donation School, Virginia Beach, VA

New 225,000 SF school dedicated to students gifted in academics and the arts. ODS is
home to 1,375 students in 2nd through 8th grade.

River City Middle School, Richmond, VA

New 182,000 SF replacement middle school.

Southside STEM Academy at Campostella, Norfolk, VA (PPEA)

New, three-story STEM academy houses 1,147 students in kindergarten through 8th grade.
The design of the new school is organized around the STEM school concept.

Renaissance Academy, Virginia Beach, VA

This 289,000 SF facility is a special place for students that need help getting back into the
educational mainstream. CTE programming includes Computer Technology, Culinary,
Aquaponics, Masonry, Carpentry, Electrical and HVAC Systems.

Culpeper Career & Technical High School, Culpeper County, VA

New 54,759 SF technical education school building to further the region's professional
workforce and to meet the needs of students hungry for hands-on skills and immediately
useful certifications.

C.D. Hylton High School Renewal, Prince William County, VA

Complete renewal of a 270,000 SF high school built in the 1990s. This is the first time Prince
William County Public Schools has undergone a renewal of their high schools.

Hanover Center for the Trades, Hanover County, VA

New 46,000 SF multi-discipline facility. It draws its students from throughout the county,
offering specialized training in seven programs, augmenting core curriculum studies.

Independence Nontraditional School, Prince William County, VA

A three-story, 122,659 SF facility designed to bring together three different schools into one
facility. The new facility accommodates students with varying needs by providing various
types of spaces.

RRMM | ARCHITECT – RESUMES

**LARRY SIMERSON**

Project Manager

Larry has more than 34 years of design and project management experience for educational and municipal projects. He has been involved in all aspects of the design process from schematic design through construction administration. He has worked on projects that have ranged from a 19,700 SF renovation and addition to New Kent Primary School in New Kent, Virginia to a new 353,600 SF High School in Chesapeake, Virginia.

RELEVANT EXPERIENCE**Five New Elementary Schools, Norfolk, VA (PPEA)**

Design for five new elementary school for Norfolk Public Schools. These schools were designed and constructed under a PPEA with S.B. Ballard Construction Company.

Princess Anne Middle School, Virginia Beach, VA

New 250,000 SF replacement school designed for 1,500 learners in 6th through 8th grade. Estimated completion in 2021.

Old Donation School, Virginia Beach, VA

New 225,000 SF school dedicated to students gifted in academics and the arts. ODS is home to 1,375 students in 2nd through 8th grade.

Colonel Fred Cherry Middle School, Suffolk, VA

New 125,200 SF facility designed after the original Page Middle. The design includes an increased number of classrooms for each grade, as well as a larger auditorium and gym.

River City Middle School, Richmond, VA

New 182,000 SF replacement middle school.

Oscar Smith Middle School, Chesapeake, VA

New 242,626 SF middle school based on a previous Chesapeake middle school model.

Southside STEM Academy at Campostella, Norfolk, VA

New, three-story STEM academy houses 1,147 students in kindergarten through 8th grade. The design of the new school is organized around the STEM school concept.

Grassfield High School, Chesapeake, VA

New 353,366 SF high school that incorporates the school within a school philosophy, which allows the grade houses to be arranged in a number of different ways.

New Kent High School, New Kent County, VA

New 243,700 SF high school designed for 1,400 students.

C.D. Hylton High School Renewal, Prince William County, VA

Complete renewal of a 270,000 SF high school built in the 1990s. This is the first time Prince William County Public Schools has undergone a renewal of their high schools.

Auburn High School, Montgomery County, VA (PPEA)

New 180,500 SF new high school with a design that effectively separates the building use functions into academic, athletic, administrative, and special purpose groups.

EDUCATION

BArch, Virginia Tech, 1987

EXPERIENCE

34 Years Total
17 Years with RRMM

MEMBERSHIPS

Association for Learning
Environments (A4LE)

RRMM | ARCHITECT – RESUMES

**JASON HOWELL**

Project Architect

Jason has over 17 years' experience in project design. Throughout his career he has assisted clients in all aspects of the project process including developing initial project scope; evaluating existing project conditions; formulating and managing architectural programs; developing schematic design concepts; coordinating design and construction document schedules; and creating construction document drawing sets. Jason's myriad project experience in design, management and delivery has allowed him to undertake complex multi-phase renovation and addition projects and complete them successfully.

EDUCATION

BArch, Virginia Tech, 2004

EXPERIENCE

17 Years Total
11 Years with RRMM

**REGISTRATION AND
CERTIFICATION**

Registered Architect: VA

MEMBERSHIPS

NCARB
AIA Associate

RELEVANT EXPERIENCE**Princess Anne Middle School, Virginia Beach, VA**

New 250,000 SF replacement school designed for 1,500 learners in grades 6-8. Estimated completion in 2021.

Old Donation School, Virginia Beach, VA

New 225,000 SF school dedicated to students gifted in academics and the arts. ODS is home to 1,375 students in 2nd through 8th grade.

Georgie D. Tyler Middle School, Isle of Wight County, VA

New 115,000 SF middle school designed for 550 students. The core facilities are designed to accommodate up to 800 students, allowing for future expansion.

Central and Union High Schools, Wise County, VA (PPEA)

Design for two new high schools was based on a prototype school and completed as a PPEA project with S.B. Ballard Construction Company.

Ocean View Elementary School, Norfolk, VA (PPEA)

Design for a two-story replacement elementary school. Design is characterized by one- story common use area and two-story learning communities area.

Woodbrook Elementary School Renovation/Addition, Albemarle County, VA Renovation, addition and modernization of a single-story elementary school. The four, separate additions doubles the school's capacity to accommodate students in several multi-grade learning areas, specifically designed for team teaching.

RRMM | ARCHITECT – RESUMES

**JEFFEREY HARRIS, RA**

Project Designer

Jeff has a total of 26 years of experience in architecture with nearly all that time being spent designing educational facilities. He has been involved in all aspects of the design process from schematic design through construction administration. Having worked on new construction, renovations, and addition projects, Jeff has a comprehensive understanding of today's educational facility design requirements.

RELEVANT EXPERIENCE**Five New Elementary Schools, Norfolk, VA (PPEA)**

Design for five new elementary school for Norfolk Public Schools. These schools were designed and constructed under a PPEA with S.B. Ballard Construction Company.

Georgie D. Tyler Middle School, Isle of Wight County, VA

New 115,000 SF middle school designed for 550 students. The core facilities are designed to accommodate up to 800 students, allowing for future expansion.

River City Middle School, Richmond, VA

New 182,000 SF replacement middle school.

Robert E. Aylor Middle School Replacement, Frederick County, VA

New 148,000 SF replacement middle school for approximately 1,015 students.

Page Middle School, Gloucester County, VA

New 116,800 SF middle school designed to accommodate 700 students. The design is organized into two zones with common public spaces and grade houses along the back.

Colonel Fred Cherry Middle School, Suffolk, VA

New 125,200 SF facility designed after the original Page Middle School. The design includes an increased number of classrooms for each grade, as well as a larger auditorium and gym.

Princess Anne Middle School, Virginia Beach, VA

New 250,000 SF replacement school designed for 1,500 learners in grades 6-8. Estimated completion in 2021.

Old Donation School, Virginia Beach, VA

New 225,000 SF school dedicated to students gifted in academics and the arts. ODS is home to 1,375 students in second through eighth grade.

New Kent High School, New Kent County, VA

New 243,700 SF high school designed for 1,400 students.

Union High School, Wise County, VA (PPEA)

Design for new high school was based on a prototype school and completed as a PPEA project with S.B. Ballard Construction Company.

Smithfield + Windsor High School Renovations & Additions, Isle of Wight County, VA

With a focus on career and technical education, 25,423 SF of renovations and 21,598 SF of additions were designed for both high schools.

EDUCATION

BArch, Hampton University,
1993

EXPERIENCE

28 Years Total
17 Years with RRMM

**REGISTRATION AND
CERTIFICATION**

Registered Architect: NC, VA,
MD, MT, OH, WA
BCOM Seminar 2010
CPSM, 2010

MEMBERSHIPS

Board Member – Association
for Learning Environments
(A4LE) Past President – VA
Chapter of the Council of
Educational Facility Planners

RRMM | ARCHITECT – RESUMES



SARAH BUTLER, CID, NCIDQ, LEED AP ID+C

Interior Designer | FF&E Package

Sarah is the Director of Interior Design - Education in RRMM's Chesapeake office. Her primary focus has been on renovations and new design projects for educational and municipal clients. Sarah's responsibilities include interior architecture, custom millwork, FF&E packages procurement and installation, art packages, custom furniture, carpet and lighting designs, and construction administration.

RELEVANT EXPERIENCE

Five New Elementary Schools, Norfolk, VA (PPEA)

Design for five new elementary school for Norfolk Public Schools. These schools were designed and constructed under a PPEA with S.B. Ballard Construction Company.

Georgie D. Tyler Middle School, Isle of Wight County, VA

New 115,000 SF middle school designed for 550 students. The core facilities are designed to accommodate up to 800 students, allowing for future expansion.

River City Middle School, Richmond, VA

New 182,000 SF replacement middle school.

Robert E. Aylor Middle School Replacement, Frederick County, VA

New 148,000 SF replacement middle school for approximately 1,015 students.

Page Middle School, Gloucester County, VA

New 116,800 SF middle school designed to accommodate 700 students. The design is organized into two zones with common public spaces and grade houses along the back.

Colonel Fred Cherry Middle School, Suffolk, VA

New 125,200 SF facility designed after the original Page Middle School. The design includes an increased number of classrooms for each grade, as well as a larger auditorium and gym.

Princess Anne Middle School, Virginia Beach, VA

New 250,000 SF replacement school designed for 1,500 learners in grades 6-8. Estimated completion in 2021.

Old Donation School, Virginia Beach, VA

New 225,000 SF school dedicated to students gifted in academics and the arts. ODS is home to 1,375 students in second through eighth grade.

Smithfield + Windsor High School Renovations & Additions, Isle of Wight County, VA

With a focus on career and technical education, 25,423 SF of renovations and 21,598 SF of additions were designed for both high schools.

Hopewell High School Renovation/Addition, Hopewell, VA

This project consists of 217,513 SF renovation and 12,662 SF addition completed over 11 different phases to allow the school to remain in operation during construction.

Patrick County High School Renovation/Addition, Patrick County, VA (PPEA)

This project consists of 217,000 SF renovation and a 17,701 SF addition. Included was a redesigned main entry for the building with a new administrative area.

EDUCATION

BArch, Interior Design,
Radford University, 2006

EXPERIENCE

13 Years Total
12 Years with RRMM

**REGISTRATION AND
CERTIFICATION**

Certified Interior Designer: VA
NCIDQ
LEED Accredited Professional
ID+C

RRMM | ARCHITECT – RESUMES

**JASON STURNIOLO**

BIM | Laser Scanning

Jason is an Associate with RRMM and serves as Director of BIM and CADD Technology for the firm. He has more than 30 years' experience, and is one of less than 150 people in the world certified as an Autodesk Certified Instructor in Autodesk REVIT Architecture, the leading Building Information Modeling (BIM) software package for the architecture industry. Jason also serves as a member of the National BIM Standard Project Committee and the National CAD Standards Steering Committee through the building SMART alliance, a council of the National Institute of Building Sciences.

Jason leads RRMM's building scanning efforts, converting scanned images [laser surveys] of existing buildings and systems into BIM models. He will lead any building scanning efforts to create accurate as-built drawings of existing building conditions.

RELEVANT EXPERIENCE**River City Middle School, Richmond, VA**

New 182,000 SF replacement middle school.

Colonel Fred Cherry Middle School, Suffolk, VA

New 125,200 SF facility designed after the original Page Middle. The design includes an increased number of classrooms for each grade, as well as a larger auditorium and gym.

King George Middle School Expansion, King George County, VA

Multiple additions, a major renovation to part of the existing facility, and minor renovations to the remainder of the school.

Walt Whitman High School Addition, Montgomery County, MD

Designed to meet increased enrollment, the three-story addition connect to the existing school on the second and third levels. Scheduled completion 2021.

Enon Elementary School, Chesterfield County, VA

New 91,276 SF replacement elementary school built on the same 13-acre site as the previous building. The design for the new school is based on a prototype.

Beulah Elementary School, Chesterfield County, VA

New 99,921 SF replacement elementary school built on a 25-acre site about a mile from the existing Beulah Elementary School. The one-story school is designed for 900 students.

Camp Allen Elementary School, Norfolk, VA (PPEA)

New 92,492 SF elementary school designed for 571 students. The design for a school includes a two-story academic wing broken down by grade level.

Cardinal Elementary School, Richmond, VA

New, two-story elementary school designed for 1,000 students. The 118,901 SF building includes green space, energy-efficient features and advanced security systems.

Henry L. Marsh Elementary School, Richmond, VA

The design for this replacement elementary school includes three, two-story classroom wings with six individual classrooms for grades K-5 and 21st century technology.

EDUCATION

AS, Architectural Technology,
Pittsburg Technical Institute,
1991 AS, Information
Technology, Pittsburg
Technical Institute, 1991

EXPERIENCE

30 Years Total
14 Years with RRMM

**REGISTRATION AND
CERTIFICATION**

Autodesk Certified Instructor -
Autodesk REVIT Architecture
REVIT Certified Professional

RRMM | ARCHITECT – RESUMES



RANDY BRAUNER, CDT, CCCA

Construction Administration

Randy has more than 25 years of experience in construction and construction administration. His expertise includes all aspects of government, commercial, and residential construction from the ground up, including hiring and firing, payroll, bid process, material take-offs, submittal review, negotiating change orders, and managing large budgets well over \$50 million. He has excellent working relations with all levels of contacts such as government agents, environmental protection representatives, engineers, architects, inspectors, sub-contractors and owners.

RELEVANT EXPERIENCE

Central and Union High Schools, Wise County, VA (PPEA)

Design for two new high schools was based on a prototype school and completed as a PPEA project with S.B. Ballard Construction Company.

Old Donation School, Virginia Beach, VA

New 225,000 SF school dedicated to students gifted in academics and the arts. ODS is home to 1,375 students in second through eighth grade.

Colonel Fred Cherry Middle School, Suffolk, VA

New 125,200 SF facility designed after the original Page Middle. The design includes an increased number of classrooms for each grade, as well as a larger auditorium and gym.

Page Middle School, Gloucester County, VA

New 116,800 SF middle school designed to accommodate 700 students. The design is organized into two zones with common public spaces and grade houses along the back.

Georgie D. Tyler Middle School, Isle of Wight County, VA

New 115,000 SF middle school designed for 550 students. The core facilities are designed to accommodate up to 800 students, allowing for future expansion.

Renaissance Academy, Virginia Beach, VA

This 289,000 SF facility is a special place for students that need help getting back into the educational mainstream. CTE programming includes Computer Technology, Culinary, Aquaponics, Masonry, Carpentry, Electrical and HVAC Systems.

King's Fork Middle School, Suffolk, VA

New 190,000 SF middle school designed for 1,200 students. The design includes distinct academic wings for 6th, 7th and 8th grade, as well as a wing for exploratory subjects.

Princess Anne Middle School, Virginia Beach, VA

New 250,000 SF replacement school designed for 1,500 learners in grades 6-8. Estimated completion in 2021.

Smithfield + Windsor High School Renovations & Additions, Isle of Wight County, VA

With a focus on career and technical education, 25,423 SF of renovations and 21,598 SF of additions were designed for both high schools.

Ocean View Elementary School, Norfolk, VA (PPEA)

Design for a two-story replacement elementary school. Design is characterized by one-story common use area and two-story learning communities area.

EDUCATION

Computer Science, Old Dominion University, 1981

EXPERIENCE

25 Years Total
21 Years with RRMM

**REGISTRATION AND
CERTIFICATION**

BCOM Seminar 2010
Construction Documents
Technologist (CDT)
Certified Construction
Contract Administrator
(CCCA)



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TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
Livas



Livas Group, Inc. (Livas) | ASSOCIATE ARCHITECT

The LIVAS GROUP is an award-winning architectural firm based in Norfolk, Virginia. For more than half a century, our clients have benefited from the most appropriate solutions through our dedication to individual attention, comprehensive services, and understanding the uniqueness of every challenge

Livas Group, Inc. is a micro-certified, small and robust SWaM-Certified and minority- owned business located in the Historic Freemason Area of downtown Norfolk, VA. The firm was originally founded in 1948 and restructured in 2015 as The Livas Group, Inc. to establish a more diversified Scope of Services.

Livas Group, Inc. will be a key player on the professional design team. This prestigious design firm provides a large local, highly-experienced staff of design professionals and consultants, committed to delivering complete and dependable design services in a responsive manner. The firm's approach has been well-established in successfully producing a wide variety of complex projects including religious facilities, educational facilities, hospital/healthcare complexes, industrial facilities, comprehensive land planning and more.

Livas Group is justifiably proud of their status as the longest continuously African American architectural firm in Virginia, with a tradition of award-winning excellence reaching back over 60 years. Livas will be working in concert with HBA and RRMM, providing their valuable insight into resolving design related issues throughout the initial pre-construction phase, as well as contributing to the ongoing construction administration and quality-control management requirements that are so crucial to producing truly great facilities for our end-user client.

Services

The firm has extensive experience in the following professional services: feasibility studies, project development, comprehensive architectural design services that include schematic design, design development, construction documents, bidding and negotiation, construction administration, interior design, landscape design, project management, post-construction services, and Leadership in Energy and Environmental Design (LEED).

**Local
Minority-
Owned
Business**

Livas has completed:

72

Years in Business in
Hampton Roads

01

Fellow of the
American Institute of
Architects

05

School Projects with
the PPEA Delivery
Method

LIVAS | ASSOCIATE ARCHITECT - EXPERIENCE

K-12 RELEVANT EXPERIENCE

- Norfolk Public Schools Modernization Project:
 - Southside STEM Academy at Campostella K-8
 - Richard Bowling Elementary School
 - Larchmont School
 - Ocean View Elementary School
 - Camp Allen Elementary School
- Richmond Public Schools:
 - Cardinal Elementary School
 - River City Middle School
 - Henry L. Marsh III Elementary Schools
- Term Contract with Richmond Public Schools
- Term Contract with Portsmouth Public Schools

LIVAS | ASSOCIATE ARCHITECT - RESUMES

Please see the following pages for the Livas Team:

- | | |
|---------------------|--------------------------|
| • President | William H. Milligan, III |
| • Project Architect | George Faulkner, Jr. |
| • Project Manager | Ezell Washington |



LIVAS | ASSOCIATE ARCHITECT – RESUMES



EDUCATION

BA, Hampton University

EXPERIENCE

20+ Years

William H. Milligan, III

President, Livas Group, Inc.

Mr. Milligan has over twenty (20) years of experience in architecture. He has been involved with projects from conception through post architectural services. He leverages his knowledge of resources as a licensed realtor with his architectural background from predesign to completion by understanding the economical and contextual impacts of design.

RELEVANT EXPERIENCE

- Granby High School Renovation & Addition, Norfolk, VA
- Norfolk Public Schools Design-Build PPEA:
 - Southside STEM Academy at Campostella, Norfolk, VA
 - Ocean View Elementary, Norfolk, VA
 - Larchmont Elementary, Norfolk, VA
 - Richard Bowling Elementary, Norfolk, VA
 - Camp Allen Elementary, Norfolk, VA
- Term Contract with Richmond Public Schools
- Cardinal Elementary School
- River City Middle School
- Henry L. Marsh III Elementary Schools
- Term Contract with Portsmouth Public Schools
- Hampton University Master Plan for Campus Pedestrian and Vehicular Safety Study Improvement



EDUCATION

Bachelor of Science,
Architecture

EXPERIENCE

32 Years in the Industry

REGISTRATION

Registered Architect: VA

George F. Faulkner, Jr., AIA, NCARB

Project Architect, Livas Group, Inc.

George F. Faulkner, Jr. joined the Livas Group in 1986 and has twenty-seven years of experience as a Senior Design Architect/Project Architect on a variety of buildings in the Hampton Roads Region, staying with projects from conception to completion.

RELEVANT EXPERIENCE

- City of Chesapeake Public Schools
 - Truitt Middle School Existing Conditions Study
 - Deep Creek Middle School Existing Conditions Study
 - Indian River High School Reroofing
 - Norfolk Highlands Primary School Adequacy Study
- City of Norfolk Public Schools:
 - The New Ruffner Middle School
 - Community Social Implication on School Design Pre-Design Study for the Ruffner Middle School
 - Granby High School Renovation & Addition
- Educational Facilities
 - Hampton University Student Dining Facility, Hampton, VA
 - Hampton University Research Center, Hampton, VA
 - Hampton University Scripps Howard School of Journalism, Hampton, VA
 - Virginia State University Johnson Memorial Library Renovation, Petersburg, VA

LIVAS | ASSOCIATE ARCHITECT – RESUMES

**EDUCATION**

Bachelor of Architecture,
Hampton University
Masters of City and Regional
Planning, Clemson University

EXPERIENCE

20+ Years

A. EZELL WASHINGTON

Project Manager, Livas Group, Inc.

Mr. Washington has been with LGI since 1998 as Project Manager. His background in City and Regional Planning has been an essential element when compiling studies and master plans.

RELEVANT EXPERIENCE

- Granby High School Renovation & Addition, Norfolk, VA
- Hampton University Holland Hall Renovation & Addition, Norfolk, VA
- Saint Augustines' College Track & Field, Raleigh, NC
- Saint Augustines' College Delaney Hall Renovation, Raleigh, NC
- Saint Augustines' College Master Plan, Raleigh, NC
- Hampton University Armstrong Stadium, Hampton, VA



TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
Kimley-Horn

Kimley»Horn

Kimley-Horn and Associates, Inc. | CIVIL ENGINEER (Kimley-Horn)

Kimley-Horn and Associates, Inc. is one of the nation's premier planning and design consulting firms. Founded in 1967 in Raleigh, NC, Kimley-Horn has evolved into a multidisciplinary consulting firm offering services to federal, state, and local governmental agencies; developers; and commercial, industrial, and agricultural interests. Today, the firm encompasses 4,600 employees in more than 90 offices nationwide, including four offices in the Commonwealth of Virginia.

SERVICES

Kimley-Horn offers a full suite of land development services including master planning, due diligence and feasibility studies, entitlement services/strategies, site design, and permitting services.

From site selection to initial design and on through construction, our civil engineers and land planners consult extensively with our traffic engineers, landscape architects, utility engineers, and stormwater and environmental engineers and scientists to ensure a fully-integrated design.

K-12 EXPERIENCE

Our experience on scores of projects for K-12 schools and school systems nationwide gives us valuable knowledge of a broad range of planning, design, and operations issues as well as the ability to provide clear, intelligent, and viable solutions. Kimley-Horn's professionals provide consulting services for every phase of a project's development, from site evaluation and selection to final engineering and construction observation. From our local office in Virginia Beach, our professionals have completed more than 50 school projects throughout Hampton Roads.

LOCAL EXPERIENCE

Kimley-Horn has provided civil engineering services for VBCPS's last five major school projects and currently provides civil engineering services under an Architecture/Engineering on-call. Kimley-Horn has been providing services to the City of Virginia Beach since 1986 and has contributed to the successful completion of more than 750 projects.

Simply a
Better
Experience.



90

Offices Nationwide

34

Years Providing
Services to the City
of Virginia Beach

+50

School Projects in
Hampton Roads

+750

Projects in
Virginia Beach

KIMLEY-HORN | CIVIL ENGINEER | ADDITIONAL K-12 EXPERIENCE



Old Donation School

Virginia Beach, VA

COST

\$63M

DATE COMPLETED

2017

OWNER

VBCPS

VBCPS replaced the existing Old Donation Center Elementary School and Kemps Landing Magnet Middle School facilities with a single modern school. Kimley-Horn conducted a site selection study to determine the most suitable location for the new facility. The site was designed to allow zero discharge for storms up to a 10-year event. It contains a stormwater runnel, bioretention area, extensive geothermal well field, and a wide variety of educational site components. Kimley-Horn prepared the site plans including layout, grading, stormwater design, utility design, and erosion control. This project also involved the replacement of existing baseball fields at Point O' View Elementary School and site improvements at Princess Anne Middle School to accommodate the students displaced during construction. The school is LEED Gold certified.



Floyd E. Kellam High School

Virginia Beach, VA

COST

\$74.3M

DATE COMPLETED

2014

OWNER

VBCPS

Kimley-Horn provided innovative site design for Floyd E. Kellam High School. The firm prepared all stormwater management design. The design provided for zero discharge for storms up to a 10-year event and attenuation of stormwater discharge up to a 100-year event. To achieve this, Kimley-Horn worked with the design team to design an extensive connected system including cisterns, bioretention basins, porous pavement, and underground infiltration. The project received LEED Silver certification.

Thoroughgood Elementary School Replacement

Virginia Beach, VA

COST

\$33.5M

DATE COMPLETED

2021

OWNER

VBCPS

This project replaces an existing school built in 1958 with a new 92,000 square foot facility on a 12.5-acre site. Working alongside the architect, Kimley-Horn assisted with three site design workshops that follow, enhance, and integrate into the building design workshops. This integrated site and building design approach was crucial to achieving a natural and sustainable response to the needs of the students. Kimley-Horn provided civil engineering services for the new school as well as transportation planning and environmental services. LEED certification is in progress.



KIMLEY-HORN | CIVIL ENGINEER – RESUMES

Please see the following pages for the Kimley-Horn Team:

- Civil Engineering Robyn Niss
- Civil Engineering William F. Macke
- Civil Engineering Randy Royal
- Traffic Engineering Benjamin Reim
- Environmental Karl Mertig



KIMLEY-HORN | CIVIL ENGINEER | RESUMES



Kimley»Horn

EDUCATION

Bachelor of Science, Civil
Engineering, Michigan
Technological University,
2006

EXPERIENCE

15 Years

**REGISTRATION AND
CERTIFICATION**

Professional Engineer in
Virginia,
0402047163

LEED Accredited
Professional,
4D57A42AB0

Certified Stormwater Plan
Reviewer in Virginia
SWPR0328

MEMBERSHIPS

Association for Learning
Environments (A4LE)

Robyn Niss, P.E., LEED AP

Civil Engineering

Robyn brings more than 15 years of civil engineering experience to her role for this contract. She specializes in site design—from planning through construction—and has extensive experience with state and local permitting. Robyn has led or contributed to the successful delivery of more than 50 K-12 projects—including more than 20 new schools, significant modernizations, or sizable expansion projects. She is especially proud of her involvement with Virginia Beach City Public Schools (VBCPS)—Robyn has led the civil engineering work for the District's 5 most recent school projects. Through this work, Robyn has developed strong working relationships with the VBCPS facilities staff and a reputation for outstanding project deliveries, creative ideas, and excellent responsiveness.

RELEVANT EXPERIENCE**Old Donation School, Virginia Beach, VA**

Project Manager. New 225,000 SF LEED Gold certified school for students in 2nd through 8th grade. Kimley-Horn prepared the site plans including layout, grading, stormwater design, utility design, and erosion control.

Princess Anne Middle School, Virginia Beach, VA

Project Manager. New 250,000 SF replacement school designed for 1,500 learners in 6th through 8th grade. Kimley-Horn is providing site design, traffic, utilities, stormwater management, and erosion and sediment control.

Floyd E. Kellam High School, Virginia Beach, VA

LEED Coordinator. Kimley-Horn provided innovative site design for this new high school and prepared all stormwater management design. The project received LEED Silver certification.

John B. Dey Elementary School Modernization, Virginia Beach, VA

Project Manager. Kimley-Horn's scope included site design, wetland delineation, traffic studies, utility and drainage design, stormwater management, and bidding and construction services.

Thoroughgood Elementary School, Virginia Beach, VA

Project Manager. Kimley-Horn provided civil engineering services for the new school as well as transportation planning and environmental services.

Five New Elementary Schools, Norfolk, VA (PPEA)

Design for five new elementary school for Norfolk Public Schools. These schools were designed and constructed under a PPEA with S.B. Ballard Construction Company.

KIMLEY-HORN | CIVIL ENGINEER | RESUMES



Kimley»Horn

EDUCATION

Bachelor of Science,
Computer
Science/Applied
Mathematics, Virginia
Commonwealth University,
1991

EXPERIENCE

30+ Years

**REGISTRATION AND
CERTIFICATION**

Professional Engineer in
Virginia,
0402029062

MEMBERSHIPS

American Society of
Highway Engineers

William F. Mackey, Jr., P.E., ENV SP

Civil Engineer

Bill has more than 30 years of experience on design projects throughout Virginia. Bill has played an integral role in the planning, design, and phasing of projects for federal, state, and local governments. He has managed a wide range of projects from schools, athletic complexes, rural secondary roads, and military training facilities, to large, complex interstate interchanges, many of which involved extensive public involvement efforts. Bill's array of experience in transportation design coupled with his focus on delivering a quality product makes him a valued member of this team.

RELEVANT EXPERIENCE**Circulation Study for John B. Dey Elementary School Modernization, Virginia Beach, VA**

QC/QA Reviewer. This due diligence study was initiated to alleviate backups along Great Neck Road associated with morning student drop-offs at John B. Dey Elementary School.

Floyd E. Kellam High School, Virginia Beach, VA

Project Manager. Kimley-Horn provided innovative site design for this new high school and prepared all stormwater management design. The project received LEED Silver certification.

Larkspur Middle School Drainage Improvements, Virginia Beach, VA Principal-in-Charge. Kimley-Horn was selected to provide drainage improvements to two flooding areas. Services included hydraulic analysis, hydrology analysis, hydraulic design, grading, SWPPP, site plan revision, and construction phase services.

West Neck Road Traffic Study and Construction Documents, Virginia Beach, VA — Project Manager. As part of the proposed Kellam High School in Virginia Beach, Kimley-Horn provided a traffic study and construction documents for the proposed improvements.

Newtown/Virginia Beach Boulevard Intersection Improvements, Norfolk, VA Project Engineer. The project consists of adding a third westbound travel lane from the intersection with Newtown Road to approximately 1,700 linear feet (LF) to the west.

KIMLEY-HORN | CIVIL ENGINEER – RESUMES



Kimley»Horn

Randy Royal

Civil Engineer

EDUCATION

Bachelor of Science, Civil
Engineering, North
Carolina State University,
1979

EXPERIENCE

40+ Years

REGISTRATION AND CERTIFICATION

Professional Engineer in
Virginia,
0402014950

MEMBERSHIPS

Hampton Roads
Association for
Commercial Real Estate

Advisory Board for E.V.
Williams Center for Real
Estate and Economic
Development

International Council of
Shopping Centers

Randy has managed a broad scope of land planning and development projects during the past four decades and brings valuable expertise in all aspects of the development process. He works on a broad range of civil engineering projects with responsibility for permitting through construction administration. Randy also specializes in due diligence, feasibility studies, and planning, and has a track record of successfully entitling and permitting scores of projects throughout Hampton Roads. Randy has worked on projects for and within the City of Virginia Beach for more than two decades. This longstanding involvement has allowed him to build valuable understanding of project design and permitting in the city as well as trusted relationships with city staff.

RELEVANT EXPERIENCE

BioPark Infrastructure, City of Virginia Beach Development Authority Engineering, Virginia Beach, VA

Project Manager. Kimley-Horn developed the infrastructure plans to provide access and utilities to support full development of the 135-acre BioPark. Services included due diligence, preliminary plan development, traffic analysis, preparation of construction documents for site infrastructure, and site plan permitting.

Atlantic Park, Virginia Beach, VA

Project Manager. Kimley-Horn is providing engineering services for the design, permitting, and construction of the East Coast's first wave pool and surfing cove. The project will include mixed-use components and improvements within the public right-of-way.

27th Street Hotel and Garage

Principal in Charge. Kimley-Horn prepared site construction documents for two hotel towers and a 550-space parking garage. The site design required right-of-way improvements including sidewalks, ADA ramps, and enhanced landscaping.

Laskin Road Gateway Design

Project Engineer. Kimley-Horn developed comprehensive roadway design and related infrastructure improvements for nine city blocks within the Laskin Road Gateway area. Design included roadway and roundabout design, utility duct bank design, environmental site assessments and structural design for a retaining wall, bridge, and bulkhead.

Modernization of Indian River High School, Chesapeake, VA

QC/QA Reviewer. Kimley-Horn provided site civil engineering and environmental services. The project was recognized with a Gold Design Award in the Virginia School Boards Association's Exhibition of School Architecture competition.

KIMLEY-HORN | CIVIL ENGINEER | RESUMES

**Benjamin Reim, P.E.**

Traffic/Transportation Engineer

Ben is highly skilled in all aspects of traffic operations projects including signal system timing, traffic impact analyses, corridor simulation analysis, and transportation planning. When applicable, he applies best practices from several large-scale VDOT projects across Virginia to his projects—including several schools—to focus on successfully addressing how the project improvements impact and integrate with the adjacent networks.

EDUCATION

Master of Science, Civil Engineering, Rensselaer Polytechnic Institute, 2006

Bachelor of Science, Civil Engineering, Rensselaer Polytechnic Institute, 2005

EXPERIENCE

15 Years

REGISTRATION AND CERTIFICATION

Professional Engineer in Virginia,
047200

MEMBERSHIPS

American Society of Civil Engineers

RELEVANT EXPERIENCE**Circulation Study for John B. Dey Elementary School Modernization, Virginia Beach, VA**

Project Manager. This due diligence study was initiated to alleviate backups along Great Neck Road associated with morning student drop-offs at John B. Dey Elementary School.

Thoroughgood Elementary School, Virginia Beach, VA

Traffic/Transportation Task Manager. Kimley-Horn provided civil engineering services for the new school as well as transportation planning and environmental services.

John B. Dey Elementary School Modernization, Virginia Beach, VA

Traffic/Transportation Task Manager. Kimley-Horn's scope included site design, wetland delineation, traffic studies, utility and drainage design, stormwater management, and bidding and construction services.

Princess Anne Middle School, Virginia Beach, VA

Traffic/Transportation Task Manager. New 250,000 SF replacement school designed for 1,500 learners in 6th through 8th grade. Kimley-Horn is providing site design, traffic, utilities, stormwater management, and erosion and sediment control.

VDOT Revenue Sharing Application Coordination for Page Middle School Roadway Improvements, Gloucester, VA

Project Engineer. On behalf of Gloucester County Public Schools and Gloucester County, Kimley-Horn coordinated the Virginia Department of Transportation (VDOT) revenue sharing program funds application efforts for offsite roadway improvements associated with the new Page Middle School project.

KIMLEY-HORN | CIVIL ENGINEER | RESUMES



Kimley»Horn

Karl Mertig, PWD

Environmental

EDUCATION

Bachelor of Arts,
Environmental Science,
University of Virginia

EXPERIENCE

+20 Years in the Industry

REGISTRATION

Professional Wetland
Delineator

**PROFESSIONAL
AFFILIATIONS**

Virginia Association of
Wetland Professionals
Virginia Lakes and
Watersheds

Karl is highly experienced in providing environmental permitting, assessments, and hazardous materials management for local and federal government agencies, municipalities, and private developers. He has provided comprehensive environmental impact input for school redevelopment projects, water quality retrofit projects, and resilient infrastructure design projects across Hampton Roads. He has also ensured that government projects met the requirements of wetlands regulations, the Chesapeake Bay Preservation Act, local stormwater regulations, and locality MS4 permits. Skilled at creating multiple co-benefits from the implementation of projects that help magnify the impact of client expenditures, Karl's understanding of a wide range of environmental requirements, engineering design principles, and the threats to facilities from climate change and sea level rise make him uniquely suited to assist the design team in executing a transformative plan that can be efficiently permitted

RELEVANT EXPERIENCE

Floyd E. Kellam High School, Virginia Beach, VA

Environmental Scientist. Kimley-Horn provided innovative site design for this new high school and prepared all stormwater management design. Karl was responsible for the wetland delineation and Phase I environmental site assessment (ESA).

Five New Elementary Schools, Norfolk, VA (PPEA)

Environmental Scientist. Design for five new elementary school for Norfolk Public Schools. Karl conducted the preliminary wetland delineations and Chesapeake Bay Preservation Act buffer delineations. He also screened the current and proposed school sites for the potential presence of hazardous materials and underground storage tanks.

Modernization of Bow Creek Recreation Center, Virginia Beach, VA —

Environmental Scientist. Kimley-Horn was selected by the city's parks and recreation department to provide engineering services for the replacement of the existing Bow Creek Recreation Center and golf course facilities.

The George P. Phenix PK-8 School, Hampton, VA

Kimley-Horn provided infrastructure planning and site design for the construction of a new pre-kindergarten through eighth grade school. Karl provided project management for the development of the Phase I ESA and delineated wetlands and Chesapeake Bay Preservation Act Resource Protection Area buffers associated with the headwaters of Newmarket Creek which bordered the site.



TAB 1 | QUALIFICATIONS AND EXPERIENCE

Experience:
b. Timmons



TIMMONS GROUP

YOUR VISION ACHIEVED THROUGH OURS.

Timmons Group, Inc. (Timmons) | CIVIL ENGINEER

Your Vision Achieved Through Ours.

From small-town infrastructure to federal design-build projects, and from large mixed-use communities to urban in-fill projects, Timmons Group has proudly built a reputation of excellence since we first opened our doors.

Timmons Group is a multi-disciplined engineering and technology firm recognized for nearly twenty years as one of Engineering News Record's (ENR) Top 500 Design Firms in the country. They provide civil engineering, environmental, geotechnical, GIS/ geospatial technology, landscape architecture and surveying services to a diverse client base. Founded in 1953, they are a well-established firm with a pioneering spirit. Decades of experience allow them to lead the industry with an unwavering commitment to forward thinking, innovative design and complete solutions that help their clients be successful.

SERVICES

Timmons Group's mission is "to achieve unparalleled understanding of our clients, their businesses and their visions resulting in unrivaled customer service and shared success." Their market-focused organization is structured to help fulfill that mission. Timmons Group's extensive experience with contracts for school systems and other municipal clients allows them to clearly understand potential pitfalls up-front and create a plan for mitigating them. Their work approach incorporates all prior planning, educational specifications, site studies, codes and regulations and financial parameters into written and graphic documents that form the basis for constructing your envisioned facility or site improvement.

Timmons Group is the "consultant of choice" to many regional and national architectural firms specializing in K-12 educational facility design. As such, their incredibly talented education team has sound knowledge of AIA standards and design approaches, quite uncommon in the civil engineering industry. Because of this comprehension, their clients (both school administrators and architects) find their exceptionally polished design practices to be a welcomed benefit in communicating between all parties and achieving the school's ultimate vision.

ENGINEERING.
DESIGN.
TECHNOLOGY.



Timmons has completed:

68

Years in Business

+25

Years of Recognition
as one *Engineering
News Records' Top*
500 Design Firms

+50

LEED Certified
and Registered
Projects

9

Virginia Offices



TIMMONS | CIVIL ENGINEER | K-12 EXPERIENCE

700+
STAFF

68 YEARS IN
BUSINESS



INC. 5000
A FASTEST GROWING
PRIVATE FIRM IN US
2016 - 2020



ENR
TOP
500



HAMPTON ROADS K-12 RELEVANT EXPERIENCE

- Salem and First Colonial High Schools Track and Artificial Turf Replacement, Virginia Beach, VA
- Plaza Annex Parking Expansion, Virginia Beach City Public Schools, VA
- Plaza Annex Site Addition, phase II, Virginia Beach City Public Schools, VA
- Booker T Washington High School Site Assessment, Norfolk, VA
- Western Branch High School Track Replacement, Chesapeake, VA
- Deep Creek Elementary School - Drainage Improvements and Courtyard Design, Chesapeake, VA
- Chesapeake Public Schools Track Assessments, Chesapeake, VA
- Maury High School Condition Assessment and Replacement Planning, Norfolk, VA
- Abingdon Elementary School Addition/Renovation, Gloucester County, VA
- Farmwell Station Middle School Addition/Renovation, Gloucester County, VA
- Gloucester High School Feasibility Study, Gloucester, VA
- Matoaka Elementary School, Williamsburg-James City County Public Schools, VA
- Warhill High School, Williamsburg-James City County Public Schools, VA
- Discovery Stem Academy, Newport News Public Schools, VA
- Marshall Early Childhood Center Additions/Renovations, Newport News Public Schools, VA
- System Wide Facility Study, Newport News Public Schools, VA
- Hilton & Sedgefield Elementary Schools - FEMA Elevation Certificates, Newport News Public Schools, VA
- Sedgefield Elementary School - Green School Grounds, Newport News Public Schools, VA
- Surry High School Addition/Renovation, Surry County, VA
- Yorktown Elementary School Addition/Renovation, York County, VA
- York Elementary School Feasibility Study, York County, VA

ADDITIONAL VIRGINIA K-12 EXPERIENCE

NEW ELEMENTARY SCHOOLS

- Enon Elementary School Replacement, Chesterfield County, VA
- Beulah Elementary School Replacement, Chesterfield County, VA
- Old Hundred Road Elementary School, Chesterfield County, VA
- Matoaca Elementary School Replacement, Chesterfield County, VA
- Baker-Butler Elementary School, Albemarle County, VA
- Bolivia Elementary School, Brunswick County, VA
- Elizabeth Scott Elementary School, Chesterfield County, VA
- Winterpock Elementary School, Chesterfield County, VA
- Yowell Elementary School, Culpeper County, VA
- Ruckersville Elementary School, Greene County, VA
- Cumberland Elementary School, Cumberland County, VA
- Sutherland Elementary School, Dinwiddie County, VA
- Lafayette Upper Elementary School (PPEA Project), City of Fredericksburg, VA
- Cool Springs Elementary School, Hanover County, VA
- Pole Green Elementary School, Hanover County, VA
- Kersey Creek Elementary School, Hanover County, VA
- Laurel Meadow Elementary School, Hanover County, VA

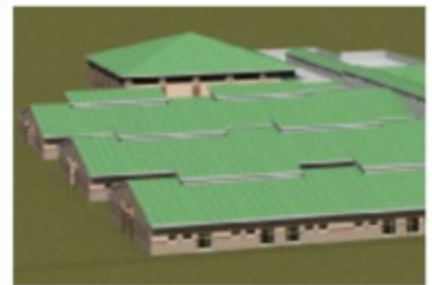
TIMMONS | CIVIL ENGINEER | K-12 EXPERIENCE

NEW ELEMENTARY SCHOOLS *(continued)*

- Colonial Trail Elementary School, Henrico County, VA
- Echo Lake Elementary School, Henrico County, VA
- Greenwood Elementary School, Henrico County, VA
- Rivers Edge Elementary School, Henrico County, VA
- Twin Hickory Elementary School, Henrico County, VA
- Patrick Copeland Elementary School, City of Hopewell, VA
- Sealston Elementary School, King George County, VA
- Belmont Greene Elementary School, Loudoun County, VA
- Belmont Station Elementary School, Loudoun County, VA
- Countryside Elementary School, Loudoun County, VA
- Forest Grove Elementary School, Loudoun County, VA
- Frances Hazel Reid Elementary School, Loudoun County, VA
- Legacy Elementary School, Loudoun County, VA
- Mountain View Elementary School, Loudoun County, VA
- Newton-Lee Elementary School, Loudoun County, VA
- New Arcola Elementary School, Loudoun County, VA
- Pinebrook Elementary School, Loudoun County, VA
- Rosa Lee Carter Elementary School, Loudoun County, VA
- Sycolin Creek Elementary School, Loudoun County, VA
- Middlesex Elementary School, Middlesex County, VA
- South Hill Elementary School, Mecklenburg County, VA
- River Bend Elementary School, Rockingham County, VA
- Harrison Road Elementary School, Spotsylvania County, VA
- Wilderness Elementary School, Spotsylvania County, VA
- Rocky Run Elementary School, Stafford County, VA
- Kaechele Elementary School, Henrico County, VA
- Harvey Elementary School, Henrico County, VA
- Anne Moncure Elementary School Replacement, Stafford County, VA
- Discovery STEM Academy, Newport News Public Schools, VA
- North Elementary School, Prince George County, VA
- Tappahannock Elementary School, Essex County, VA

NEW MIDDLE SCHOOLS

- Bedford Middle School, Bedford County, VA
- Buckingham Middle School, Buckingham County, VA
- Elizabeth Davis Middle School, Chesterfield County, VA
- Tomahawk Creek Middle School, Chesterfield County, VA
- G.W. Carver Middle School, Chesterfield County, VA
- Goochland Middle/High School, Goochland County, VA
- Oak Knoll Middle School, Hanover County, VA
- Elko Middle School, Henrico County, VA
- Hungary Creek Middle School, Henrico County, VA
- L. Douglas Wilder Middle School, Henrico County, VA
- Pocahontas Middle School, Henrico County, VA
- Holman Middle School, Henrico County, VA
- Sandusky Middle School, City of Lynchburg, VA
- Belmont Ridge Middle School, Loudoun County, VA
- Mercer Middle School, Loudoun County, VA



TIMMONS | CIVIL ENGINEER | K-12 EXPERIENCE

NEW MIDDLE SCHOOLS *(continued)*

- Rosa Lee Carter Middle School, Loudoun County, VA
- Smart's Mill Middle School, Loudoun County, VA
- Stone Hill Middle School, Loudoun County, VA
- Stone Ridge Middle School, Loudoun County, VA
- Ni River Middle School, Spotsylvania County, VA
- Post Oak Middle School, Spotsylvania County, VA
- Powhatan Middle School, Powhatan County, VA
- Manchester Middle School Replacement, Chesterfield County, VA



NEW HIGH SCHOOLS EXPERIENCE

- Huguenot High School Replacement, City of Richmond, VA
- Monticello High School, Albemarle County, VA
- Cosby High School (PPEA Project), Chesterfield County, VA
- Clover Hill High School, Chesterfield County, VA
- Matoaca High School, Chesterfield County, VA
- Eastern View High School, Culpeper County, VA
- Cumberland Middle/High School (PPEA Project), Cumberland County, VA
- Dinwiddie High School, Dinwiddie County, VA
- Kettle Run High School, Fauquier County, VA
- New James Monroe High School (PPEA Project), City of Fredericksburg, VA
- Fluvanna High School, Fluvanna County, VA
- Goochland High School, Goochland County, VA
- Hanover High School, Hanover County, VA
- Glen Allen High School, Henrico County, VA
- Deep Run High School, Henrico County, VA
- Henrico Ed Tech Center, Henrico County, VA
- King George High School, King George County, VA
- Woodbridge High School, Loudoun County, VA
- Briar Woods High School, Loudoun County, VA
- Dominion High School, Loudoun County, VA
- Freedom High School, Loudoun County, VA
- O'Conner High School, Loudoun County, VA
- New Combined Middle School & High School (PPEA Project), Northumberland County, VA
- Luray High School, Page County, VA
- Page High School, Page County, VA
- Powhatan High School, Powhatan County, VA
- Massaponax High School, Spotsylvania County, VA
- Louisa High School, Louisa VA
- Heritage High School Replacement, Lynchburg, VA
- Stafford High School Replacement, Stafford, V



TIMMONS | CIVIL ENGINEER – RESUMES



Please see the following pages for the Timmons Team:

- | | |
|----------------------|-----------------|
| • Civil Engineer | Steve Raugh |
| • Sr. Civil Engineer | Dan Ruby |
| • Sr. Civil Engineer | Greg Nelson |
| • Land Surveyor | Eric Patterson |
| • Environmental | Brian Breissing |



TIMMONS | CIVIL ENGINEER – RESUMES



TIMMONS GROUP

EDUCATION

Bachelor of Science, Civil
Engineering, Virginia Tech,
1991

EXPERIENCE

30 years

**REGISTRATION AND
CERTIFICATION**

Professional Engineer, VA
LEED Accreditation

MEMBERSHIPS

Chesterfield Education
Foundation
Association for Learning
Environments

STEVE RAUGH, PE, LEED AP

K-12 Director / Civil Engineer

Steve has devoted over two decades of superior service to the civil engineering field. His expertise includes the planning and design of public schools, parks, libraries, athletic facilities, and stormwater management facilities. Steve's extensive knowledge encompasses all phases of site development for educational facilities, which includes layouts, grading plans, sanitary sewers, water distribution systems, fire protection, stormwater management and cost estimating. Steve is a Principal at Timmons Group, a recent board member of the Association for Learning Environments (A4LE), and well versed in collaborative design workshops for public school facilities.

RELEVANT EXPERIENCE**J.R. Tucker High School, Henrico County, VA**

Civil engineer for a new 265,101 sf high school for Henrico Public Schools. Tucker is home to 2,000 students and is estimated to be finished in August 2021.

Highland Springs High School, Henrico County, VA

Civil engineer for a new 265,101 sf high school for Henrico Public Schools. Highland is home to 2,000 students and is estimated to be finished in August 2021.

Manchester Middle School, Chesterfield, VA

Civil engineer for a new 139,000 sf middle school for Chesterfield County Public Schools. Manchester is home to 1,100 students and was finished in May 2020.

New Kent Elementary School, New Kent, VA

Civil engineer for a new 95,850 sf elementary school for New Kent County Public Schools. New Kent is home to 750 students and is estimated to be finished in September 2022.

Henry L. Marsh, III Elementary School, Richmond, VA

Civil engineer for a new 103,218 sf elementary school for Richmond City Public Schools. Henry March is home to 750 students and was finished in August 2020.

TIMMONS | CIVIL ENGINEER – RESUMES



TIMMONS GROUP

EDUCATION

Masters, Civil Engineering,
Virginia Tech, 2001

Bachelors, Architecture
Univ. of Maryland, 1997

EXPERIENCE

22 years

**REGISTRATION AND
CERTIFICATION**

Professional Engineer, VA
Envision™ Sustainability
Professional
LEED Accreditation

MEMBERSHIPS

Virginia Water Environment
Association/Water
Environment Federation
Water Environment
Federation
Society of American
Military Engineers,
Hampton Roads

DAN RUBY, PE, LEED AP, ENV SP

Sr. Civil Engineer

Dan is a Senior Project Manager for Timmons Group's Hampton Roads office and is responsible for managing land development and planning projects. His extensive years of experience includes master planning and design development, as well as a broad range of experience solving land development and construction issues. A combination of experience in architecture and civil engineering provides a unique understanding of the interplay of vertical and horizontal construction and the coordination required to make a project successful. His additional expertise includes: utility design, water distribution systems modeling for domestic and fire flows, complex sanitary sewer force main system modeling, master utility planning and design of new and upgraded sanitary sewer pump stations.

RELEVANT EXPERIENCE**Salem and First Colonial High Schools, Virginia Beach, VA**

Civil engineer for design of artificial turf fields as well as track replacement for both schools. Extensive stormwater management coordination and permitting with the City of Virginia Beach.

VB Schools Plaza Annex Building Expansion, Virginia Beach, VA

Civil engineer for a 50,000 sf building expansion, stormwater BMP and additional 300 space parking lot expansion. Design included new bus drop off loop, playground and parking lot refurbishments.

Chesapeake Public Schools Track Assessments, Chesapeake, VA

Civil Engineer assessed the condition of all middle and high school tracks in the City and made recommendations for repairs and upgrades

Yorktown Elementary School Addition/Renovation, York County, VA

Civil Engineer for the addition and parking lot expansion, which included site layout, erosion and sediment control plans, grading and drainage plans, planting plans and photometric plan.

Western Branch High School Track Replacement, Chesapeake, VA

Civil Engineer for rehabilitating the high school track that included topographic survey, preparing construction documents, permitting, and construction administration services for the track replacement.

Suffolk Public Schools Pavement and Track Replacement, Suffolk, VA

Civil Engineer for pavement repair and replacement for four schools as well as track replacement/refurbishment for three high school tracks.

TIMMONS | CIVIL ENGINEER – RESUMES



TIMMONS GROUP

EDUCATION

Bachelor of Science, Civil
Engineering, SUNY Buffalo,
2007

EXPERIENCE

14 years

**REGISTRATION AND
CERTIFICATION**

Professional Engineer, VA
LEED Accreditation

MEMBERSHIPS

American Society of Civil
Engineers

GREG NELSON, PE, LEED AP

Sr. Civil Engineer

Greg Nelson is a Project Manager in our Public Land Development group. His full breadth of experience includes site design for public and private land development. His responsibilities included site layout, grading, storm sewer and utility design, hydrological analysis, stormwater management, plan preparation, and project coordination and management.

RELEVANT EXPERIENCE**J.R. Tucker High School, Henrico County, VA**

Civil engineer for a new 265,101 sf high school for Henrico Public Schools. Tucker is home to 2,000 students and is estimated to be finished in August 2021.

Highland Springs High School, Henrico County, VA

Civil engineer for a new 265,101 sf high school for Henrico Public Schools. Highland is home to 2,000 students and is estimated to be finished in August 2021.

Manchester Middle School, Chesterfield, VA

Civil engineer for a new 139,000 sf middle school for Chesterfield County Public Schools. Manchester is home to 1,100 students and was finished in May 2020.

Midlothian High School Addition, Chesterfield County, VA

Full civil site plan design for additions/renovations including field investigations, underground stormwater detention and perimeter access for fire apparatus

Stafford High School, Stafford County, VA

Civil Engineer for a new 274,561 sf high school for approximately 2,000 students which includes a CTE Center. Timmons Group provided surveying services, environmental services (wetland delineation/confirmation, Phase I ESA, endangered species investigation, stream perenniality assessment, transportation studies, landscape architecture services, geotechnical investigative services, civil design services including LEED certification and construction administration.

TIMMONS | CIVIL ENGINEER – RESUMES



TIMMONS GROUP

EDUCATION

Bachelor of Science, Civil
Engineering and Surveying
Site Development, Old
Dominion University, 1992

EXPERIENCE

30 years

**REGISTRATION AND
CERTIFICATION**

Professional Land
Surveyor, VA
OSHA HAZWOPER 40 Hour
Training, VA

MEMBERSHIPS

Virginia Association of
Surveyors

ERIC PATTERSON, LS

Land Surveyor

Eric has worked in the Hampton Roads area for more than three decades. He has well over a decade of experience working with the local Shipyards, Navy and other Federal Government agencies throughout Virginia. He has comprehensive survey experience in property and utility research, topographic survey mapping, boundary retracement surveys, boundary disputes, boundary plats, easement plats, subdivision plats, acquisition plats, dedication plats, composite plats, exhibits, legal descriptions, expert witness services, condo plats, ALTA/NSPS Land Title surveys, residential site plans, FEMA flood certificates, construction layout and horizontal and vertical survey control establishment. His survey services are highly successful due to his attention to detail and the quality control review he provides for all deliverables. He plans the work flow for each new project and provides hands-on field management and supervision of survey crew's performance. Mr. Patterson has been an OSHA certified Hazardous Waste Incident Commander (29 CFR 1910.120) for 10 years.

RELEVANT EXPERIENCE**Salem and First Colonial High Schools, Virginia Beach, VA**

Land Surveyor for the engineering design topographic survey.

VB Schools Plaza Annex Building Expansion, Virginia Beach, VA

Land Surveyor for the engineering design topographic survey.

Chesapeake Public Schools Track Assessments, Chesapeake, VA

Land Surveyor for the engineering design topographic survey.

Yorktown Elementary School Addition/Renovation, York County, VA

Land Surveyor for the engineering design topographic survey.

Western Branch High School Track Replacement, Chesapeake, VA

Land Surveyor for the engineering design topographic survey.

Yorktown Elementary School Addition/Renovation, York County, VA

Land Surveyor for the engineering design topographic survey.

Sedgefield Elementary School - Green School Grounds, Newport News, VA

Land Surveyor for the on-the-ground topographic survey for about 2 acres, performed a field inspection, necessary hydrologic and hydraulic calculations, functional stormwater management plan, and site grading information

TIMMONS | CIVIL ENGINEER – RESUMES



TIMMONS GROUP

EDUCATION

Bachelor of Science,
Biochemistry, Minor
Chemistry, Virginia Tech,
2004

EXPERIENCE

15 years

**REGISTRATION AND
CERTIFICATION**

VDACS 5-A Certified
Pesticide Applicator,
VA, 2012
NCDEQ Surface Water
Identification Training &
Cert

MEMBERSHIPS

Society of Wetland
Scientists (SWS)
Virginia Association of
Wetland Professionals
(VAWP)

BRIAN BREISSINGER

Environmental

Brian has extensive permitting experience handling complex projects requiring multiple layers of regulatory review at the federal, state and local government levels. His diversified natural resource background consists of experience with wetland delineation and confirmation, Section 401/404 Clean Water Act Permitting, Section 7 Threatened and Endangered Species coordination, Section 106 Cultural and Historic Resource coordination, TMDL compliance, stormwater sampling and producing Stormwater Pollution Prevention Plans for several large industrial facilities with point source discharges. He has provided valuable facilities oversight to include water quality sampling and submittal of discharge monitoring reports for compliance with (VPDES) permitting requirements within the Department of Environmental Quality (DEQ) regulatory requirements.

RELEVANT EXPERIENCE**Campostella K-8 School, Norfolk, VA**

Timmons Group provided survey, civil design, landscape design and environmental services for the new school. This included wetland delineation, perennial stream and resource protection area coordination, and Phase I ESA.

New Kent Elementary School, New Kent, VA

Environmental services for a new 95,850 sf elementary school for New Kent County Public Schools. New Kent is home to 750 students and is estimated to be finished in September 2022.

J.R. Tucker High School, Henrico County, VA

Wetland delineation and permitting for a new 265,101 sf high school for Henrico Public Schools. Tucker is home to 2,000 students and is estimated to be finished in August 2021.

Highland Springs High School, Henrico County, VA

Wetland delineation and permitting for a new 265,101 sf high school for Henrico Public Schools. Highland is home to 2,000 students and is estimated to be finished in August 2021.

Glen Allen High School, Henrico County, VA

Timmons Group provided wetland delineation and permitting for the project. The new high school building encompasses 255,942 square feet and is two stories (the academic building portion) to accommodate 1,700 students. It received LEED® Gold certification.



TAB 1 | QUALIFICATIONS AND EXPERIENCE

Experience:
b. **VHB**



Vanasse Hangen Brustlin, Inc. (VHB) | CIVIL ENGINEER

Since its founding in 1979, VHB has partnered with nearly 200 public schools, assisting with growth and development objectives. VHB offers the focus and personal attention of a small consulting firm backed by the in-house resources of a multidisciplinary company of more than 1,500 professionals. VHB has seven offices in the Mid-Atlantic region, with two in North Carolina (Raleigh and Charlotte); four in Virginia (Virginia Beach, Williamsburg, Richmond, and Tysons); and one in Washington, DC.

Although goals and priorities for public K-12 institutions constantly shift in response to social, economic, technological, and physical factors, one goal remains constant: to provide a high-quality educational setting that meets immediate needs and accommodates future growth. K-12 clients seek to support and enhance the educational process with a physical environment that is functional, healthful, safe, and sustainable. VHB's integrated services approach to planning, engineering, and design allows the firm's professional to help make these aspirations a reality.

VHB's engineers, scientists, and planners provide comprehensive site planning and engineering design services to assist K-12 clients with a diverse mix of projects, from minor site improvements to major capital programs.

With an open-minded approach to projects, VHB is committed to listening and truly understanding the clients' needs. VHB integrates the right places and resources from four core services—Transportation Planning & Engineering, Land Development, Planning & Design, and Environmental—to help clients initiate and complete intricate, challenging, and significant projects

Recent K-12 clients in Virginia have included:

- Virginia Beach Public Schools, Virginia Beach, VA
- Westmoreland County Public Schools, Westmoreland County, VA
- City of Richmond Public Schools, Richmond, VA
- Williamsburg-James City County Public Schools, James City County, VA
- Poquoson City Public Schools, Poquoson, VA

**Engineers.
Scientists.
Planners.
Designers.**



1,500

Passionate
Professionals
including Engineers,
Scientists, Planners
& Designers

42

Years in Business in
Virginia Beach

55th on ENR

Top US Design
Firms List



30

Locations throughout
the East Coast

MARKETS

Transportation Agencies
Real Estate
County & Local
Governments
Institutions

VHB | CIVIL ENGINEER | K-12 EXPERIENCE



Frank W. Cox High School Falcon Plaza

Virginia Beach, VA

DATE COMPLETED 2019
New Outdoor Plaza for Cox High Schools

AWARDS

ASLA Virginia 2019 –
Community Service
Commendation



MARTIN LUTHER KING JR. MIDDLE SCHOOL

Richmond, VA

COST \$40M
Design and construction of
new 800-student middle
school facility

DATE COMPLETED
2014

AWARDS

Gold Design Award from
Virginia School Boards
Association; first LEED
Silver Certified building in
Richmond



WILLIAMSBURG/JAMES CITY COUNTY PUBLIC SCHOOLS ENGINEERING SERVICES

James City County, VA

DATE COMPLETED
ONGOING
Americans with Disabilities Act
(ADA) accessibility improvements

Site design support for
modernization projects such as
HVAC upgrades, drainage
enhancements, and parking lot
improvements



Pupil Transportation Services Maintenance Facility

Virginia Beach, VA

COST \$21.8M
Design and Construction of New
Facility with LEED features including
green roof, zero run-off, geothermal
heating, solar

DATE COMPLETED
2011



OAK GROVE & BROAD ROCK ELEMENTARY SCHOOLS

Richmond, VA

COST \$40M Combined
New state-of-the-art elementary
schools, each accommodating
650 students

DATE COMPLETED
2013

AWARDS

Gold Design Award from
Virginia School Boards
Association; first LEED
Silver Certified building in
Richmond

LEED certified

Stormwater management



NCDOT MUNICIPAL & SCHOOL TRANSPORTATION ASSISTANCE (MSTA) PROGRAM SUPPORT

Statewide, NC

DATE COMPLETED
ONGOING
Traffic impact analyses (TIAs),
transportation management,
roadway design, and signal
design for more than 100 public,
private, and charter
elementary, middle, and high
schools across North Carolina

VHB | CIVIL ENGINEER - RESUMES

Please see the following pages for the VHB Team:

- | | |
|------------------------------------|---------------------|
| • Principal-in-Charge | John Stronach |
| • Managing Director | Kirsten Tynch |
| • Civil Engineer Project Manager | J.D. Hines |
| • Civil Engineer | John Carty |
| • Environmental Principal | R. Neville Reynolds |
| • Environmental Scientist | Kimberly Blossom |



**BUILDING A SUSTAINABLE, RESILIENT, AND EQUITABLE
FUTURE: RETHINKING. RESHAPING. REBUILDING.**

VHB | CIVIL ENGINEER | RESUMES



John Stronach, PE

Principal-in-Charge

A Professional Engineer registered in the Mid-Atlantic states, John has managed and performed detailed design of sports and recreation, education, and other land development projects across the region. His experience encompasses site development, roadway, drainage, and stormwater management design.

RELEVANT EXPERIENCE

ODU, Campus Utility Mapping, Norfolk, VA

For Old Dominion University (ODU), John was Project Manager for the comprehensive mapping of all utilities on ODU's 188-acre urban campus. The mapping was completed using a backpack GPS survey system. Utilities mapped included light poles, water, sewer, drainage, fiber optics, telephone, force mains, natural gas, electricity, heating oil, and irrigation systems. All utilities were drafted in AutoCAD for use in future design and maintenance projects.

ODU, Life Sciences Building, Norfolk, VA

For Old Dominion University (ODU), John was Civil Engineering Project Manager for the development of a 60,000-square-foot addition to the existing Oceanography & Physics Building to house the biology, marine science, and physics departments, and associated lab spaces. The project included coordination with two architectural firms and numerous department representatives at ODU for exterior tanks and treatment systems for the lab space and special design loading areas within the science quad. VHB provided surveying, site/civil engineering, and stormwater engineering services for the design of the three-story Physical Sciences Building (PSB). In conjunction with the PSB, on our civil/survey/structural contract, VHB designed the Science Quad Stormwater Management Facility and associated landscapes. This design included a pedestrian bridge and pervious pavement walkways within the Virginia Garden.

ODU, Architectural and Engineering Term Contracts, Norfolk, VA

John was Project Principal overseeing quality control of the site/civil engineering services for the development of capital project studies and design of auxiliary projects.

NSU, Nursing Classroom Building, Norfolk, VA

For this Norfolk State University (NSU) project, John was Principal-In-Charge for the civil engineering and landscape design services including challenging access and utility coordination issues along with Americans with Disabilities Act (ADA) compliance, stormwater system, and significant utility improvements. The building achieved a LEED Silver certification.

EDUCATION

MS, Civil Engineering, Old Dominion University, 1999

BS, Civil Engineering, Old Dominion University, 1998

EXPERIENCE

30 years

REGISTRATION AND CERTIFICATION

Professional Engineer
(Civil), VA

Professional Engineer
(Civil), NC

Professional Engineer
(Civil), MD

Professional Engineer
(Civil), SC

MEMBERSHIPS

American Council of
Engineering Companies,
Virginia

American Society of Civil
Engineers, Virginia Section,
Norfolk Branch

American Society of
Highway Engineers, Mid-
Atlantic Region, Greater
Hampton Roads

VHB | CIVIL ENGINEER | RESUMES

**Kirsten Tynch, PE, PTOE, LEED AP BD+C, ENV SP**

Managing Director, Virginia Beach

Kirsten has experience in both the private and public sectors of engineering design. She is responsible for the management and design of numerous federal, state and municipal projects. Her professional experience includes design, review, approval and construction of transportation projects as well as experience in project management, engineering design and construction management/administration for all engineering disciplines. Kirsten also has extensive experience in transportation planning and design including traffic maintenance, bike/ped facilities, traffic engineering operations and cost estimating.

EDUCATION

MS, Civil Engineering,
University of Virginia, 1994

BS, Civil Engineering,
University of Virginia, 1992

EXPERIENCE

28 years

**REGISTRATION AND
CERTIFICATION**

Professional Engineer, VA,
DC, MD, OH, FL, NC, SC,
GA

Professional Traffic
Operations Engineer

Virginia Advanced Work
Zone TCDS

MEMBERSHIPS

American Public Works
Association, Mid-Atlantic
Chapter

Institute of Transportation
Engineers, Southern District
(SDITE), Virginia Section
(VASITE)

Virginia Transportation
Construction Alliance

WTS International,
Hampton Roads Chapter

RELEVANT EXPERIENCE**City of Virginia Beach, Annual Services Contract for Civil Engineering (State/Federal-Funded), Virginia Beach, VA**

Prior to joining VHB, as Project Manager and Senior Roadway Designer, Kirsten led the design team for over 20 local, state and federally funded projects for this UCI locality. Kirsten provided design oversight and QA/QC for all the projects within this contract, which included intersection improvements, new and modified signal designs, bike lanes, ADA improvements, sidewalk improvements, drainage analysis and flood mitigation, and a pedestrian bridge.

City of Virginia Beach, Landstown Road Widening, Virginia Beach, VA

As Senior Project Engineer, Kirsten supported this roadway project widening an existing two-lane rural roadway to a four-lane section. In addition to the roadway design, responsibilities include the development of drainage and stormwater management design, a traffic management plan, public utility improvements and coordination of private utility relocations, shared-use path design, public outreach, and close coordination of adjacent site developments within the corridor.

NSU, New Residence Facility, Norfolk, VA

Kirsten was Principal-in-Charge for a new residence facility at the northeast quadrant of Norfolk State University's campus that consists of North Hall, South Hall, and East Hall for a total of 744 beds and a central amenity area.

ODU, Football Stadium Expansion Study, Norfolk, VA

As the Senior Traffic Engineer, Kirsten performed the transportation and parking plan studying options for the design/construction of a new or remodeled football stadium on the campus of Old Dominion University (ODU). The project included a phased and prioritized plan to address the needs of the students, residents, tailgaters, VIPs, and general game attendees.

VHB | CIVIL ENGINEER | RESUMES



J.D. Hines, PE, LEED GA

Civil Engineering Project Manager

J.D. is a Project Engineer and Project Manager for site development, transportation, stormwater, and utility engineering projects in VHB's Virginia Beach, Virginia, office. A Professional Engineer registered in Virginia and Maryland, as well as a LEED Green Associate, his experience on multiple private and public-sector efforts enables him to effectively assemble design teams. J.D.'s land development experience includes residential, commercial, and institutional projects. He has also contributed on limited access and urban roadways for the Virginia Department of Transportation. J.D. is skilled in master planning, hydrologic/hydraulic analysis, water distribution, wastewater collection systems, sewage pumping station design, and sports field designs.

RELEVANT EXPERIENCE

Virginia Beach Public Schools, Cox High School, Falcon Plaza, Virginia Beach, VA

J.D. served as Civil Engineering Project Manager for the design of an outdoor patio featuring a covered amphitheater and seating for more than 300. The space will be used for class meetings, performances, parties, and other events.

Virginia Beach Public Schools, Pupil Transportation Services Maintenance Facility, Virginia Beach, VA

J.D. served as Civil Engineer for the design of this new, LEED certified transportation services maintenance facility.

City of Virginia Beach Police 4th Precinct Replacement, Virginia Beach, VA

J.D. provided civil engineering services for a new 18,000-square-foot building for the City of Virginia Police's 4th Precinct.

Old Dominion University, A/E Services Term Contract, Norfolk, VA

J.D. served as Project Engineer/Manager for task orders related to civil, structural, and survey services, including master planning of stormwater management facilities and public and private utilities, and assistance with the municipal separate storm sewer systems.

Old Dominion University, Master Campus Utility Assessment, Norfolk, VA

J.D. was Civil Engineering Project Manager for the existing utilities inventory assessment and future master planning of utility infrastructure associated with the Campus Development Plan for Old Dominion University (ODU). The project included analysis of sewer and water flows for proposed buildings and the impact to the city infrastructure. Drainage capacity analysis was completed as well to determine area of focus for infrastructure improvements in the coming budget biennium.

EDUCATION

BS, Civil Engineering, Old Dominion University, 2000

EXPERIENCE

21 years

REGISTRATION AND CERTIFICATION

Professional Engineer (Water Resources), VA

Professional Engineer, MD

Professional Engineer, NC

OSHA 10-Hour Construction Safety and Health Certificate, VA

MEMBERSHIPS

American Society of Civil Engineers, Virginia Section, Norfolk Branch

Hampton Roads Association for Commercial Real Estate

Tidewater Builders Association

Urban Land Institute, Virginia

VHB | CIVIL ENGINEER | RESUMES



John Carty, PE, LEED AP

Civil Engineering

John leads the Land Development Practice for the Richmond office. As a civil engineer, John serves as a Senior Project Manager specializing in site development, transportation, stormwater, and utility engineering projects for both private and public sector projects. His land development experience includes residential, commercial, and institutional projects. He has in-depth experience in site planning and design, water distribution, grading, erosion and sediment control, utility connections, stormwater compliance, and utility design

RELEVANT EXPERIENCE

Broad Rock Elementary School Site Development, Richmond, VA

As part of an architectural team, John provided civil design services for a new public elementary school to replace the one located at the Broad Rock site. He helped prepare early site packages for procurement of a contractor while construction documents were still in development for this state-of-the-art building that will be LEED certified. The project, which involved a high level of coordination with the design team and the City for Richmond, also included utilities, zoning compliance, stormwater management, and environmental assessments and permitting.

City of Richmond Public Schools, MLK Middle School, Oak Grove, and Broad Rock Elementary Schools, Richmond, VA

John provided civil design services for two new public elementary schools and a new middle school to replace the existing ones located on the sites. To keep the project on schedule, VHB produced early site packages for procurement of a contractor while construction documents were still in development. The project, which involved a high level of coordination with the design team and the City, also included utilities, zoning compliance, low impact development techniques, stormwater management, and environmental assessments and permitting. Phasing of construction was a crucial element of design since the schools had to remain operational at all times. For the Martin Luther King (MLK) Middle School, the project included the design and construction of new facilities to accommodate 800 students. The new school is located on the existing school site. One of the major design challenges was the incorporation of the original auditorium into the design of the new building while still maintaining egress to the existing building during construction.

City of Richmond Public Schools, River City Middle School, Richmond, VA

John served as Civil Engineering Project Manager for the design of a 1,500-student middle school at the former site of Elkhart Middle School. The project includes separated entrances and parking for buses and faculty and outdoor amenities such as a natural turf soccer field, track, and basketball and tennis courts.

EDUCATION

BS, Civil Engineering,
Virginia Polytechnic
Institute and State
University, 1998

EXPERIENCE

23 years

**REGISTRATION AND
CERTIFICATION**

Professional Engineer
(Civil), VA

Professional Engineer, NC

LEED Accredited
Professional

OSHA 10-Hour Construction
Safety and Health
Certificate

MEMBERSHIPS

American Council of
Engineering Companies,
Emerging Leaders Institute

Construction Owners
Association of America,
Virginia Chapter

Urban Land Institute,
Virginia

VHB | CIVIL ENGINEER | RESUMES



R. Neville Reynolds, PWS

Environmental Principal

Neville is a Senior Environmental Scientist, a Principal, and Managing Director of VHB's Williamsburg, Virginia office. His principal fields of experience include wetlands identification and delineation, wetland mitigation, coastal geology and sediment transport, and regulatory affairs. His professional responsibilities include project management for natural resource inventories, natural systems restoration and environmental permitting. Neville's strengths include the development of effective permit strategies using innovative ideas and superior negotiation skills with regulatory personnel. He has successfully obtained environmental approvals for a wide range of utility, transportation, infrastructure and other land development projects.

EDUCATION

MS, Oceanography, Old Dominion University, 1990

BA, Geology, Millersville University, 1984

EXPERIENCE

37 years

REGISTRATION AND CERTIFICATION

Professional Wetland Scientist

MEMBERSHIPS

American Shore & Beach Preservation Association

Society of Wetland Scientists, South Atlantic Chapter

Virginia Association of Wetland Professionals

Virginia Marine Industry Advisory Committee

Virginia Marine Resources Commission

Virginia Mitigation Banking Association

Virginia Tidal Wetland Mitigation Banking Advisory Committee

RELEVANT EXPERIENCE

City of Virginia Beach, Sandbridge Road Corridor Improvement Study, Virginia Beach, VA

Neville provided environmental permitting for a study for widening 6.3 miles of a two-lane roadway from to four lanes with a multi-use path. Project challenges included blending three distinctly separate zones (commercial, residential and natural areas) within the corridor, maintaining the rural character of the roadway, and providing access to natural recreational areas in the Back Bay National Wildlife Refuge.

City of Virginia Beach, Owls Creek Marina Feasibility Study, Virginia Beach, VA

Neville served as Principal-in-Charge for a feasibility study to evaluate City involvement with a private developer in the development of a new marina facility. He reviewed the developer's preliminary plans for permit feasibility and environmental impact issues. As a result of the feasibility analysis, the City decided not to partner with the developer and initiated a separate siting study for a new boat ramp facility.

City of Norfolk, Ohio Creek Watershed Transformation Plan, Norfolk, VA

Neville served as Principal-in-Charge providing environmental and shoreline design work for this \$123-million resiliency project in the Chesterfield Heights neighborhood of Norfolk. He led efforts for acquisition of all local state and federal permits for the project, which involves roadway relocation and raising, new storm sewer installation, a perimeter pedestrian trail, and a variety of low impact stormwater management measures including open space and landscaping as part of a "stormwater park." He also led a multidisciplinary team of scientists and engineers in the preparation of a HUD EIS, design of over a mile of living shoreline stabilization and over an acre of tidal wetland creation/restoration. His team is currently conducting construction oversight and environmental compliance tasks associated with implementing this milestone project.

VHB | CIVIL ENGINEER | RESUMES

**Kimberly Blossom, ESC**

Environmental Scientist

EDUCATION

BS, Biology, Christopher
Newport University, 2002

EXPERIENCE

18 years

**REGISTRATION AND
CERTIFICATION**

Inspector for Erosion and
Sediment Control, Virginia,
VA

Kim is an Environmental Scientist in VHB's Williamsburg, Virginia office. Her responsibilities include permitting strategy and support associated with nontidal and tidal wetlands, submerged lands, and Chesapeake Bay Preservation Areas. Kim also provides compliance inspection and reporting, data assessment for regulatory reporting, environmental resource inventories, permit documentation, and Phase I Environmental Site Assessments. She has experience managing a wide spectrum of projects for commercial developers, municipalities, utilities, and private landowners. Her project experience includes commercial/residential developments, water and sewer utility lines, and mitigation banks. Additionally, Kim is directly involved in coordination efforts with the U.S. Fish and Wildlife Service, Virginia Department of Historic Resources, and the Virginia Department of Conservation and Recreation.

RELEVANT EXPERIENCE**ODU, Village Arts District, Norfolk, VA**

Kim prepared an Environmental Impact Report for the Arts District bridge, pedestrian path, and amphitheater on Old Dominion University's campus providing pedestrian connectivity. She was also heavily involved in obtaining the necessary permits from the U.S. Army Corps of Engineers to construct an elevated walkway, riprap revetment, and habitat enhancement along the nearby vegetated wetlands and tidal ditch.

TCC, Bayside Building Renovation, Virginia Beach, VA

As Environmental Scientist, Kim prepared an Environmental Impact Report for the renovation of the Bayside building on Tidewater Community College (TCC's) Virginia Beach Campus. This project also required coordination with the Department of Conservation and Recreation to establish the regulated extent of the Resource Protection Areas.

NSU, Community Hospital Proposed Development, Norfolk, VA

Kim prepared an Environmental Impact Report for the demolition of a historic community hospital at Norfolk State University. The hospital was a registered historic landmark and required extensive coordination with the Department of Historic Resources, resulting in the successful completion of a Memorandum of Understanding.

City of Norfolk, Ohio Creek Watershed Transformation Plan HUD EIS, Norfolk, VA

Kim served as Deputy Project Manager for the preparation of the Environmental Impact Statement (EIS) necessary to demonstrate NEPA compliance under HUD grant requirements. The EIS involved close coordination with the Norfolk District and was completed within 15 months. The project combines multiple coastal defense strategies to create a sea level rise resiliency plan.



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TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
WPL



W. P. Large, Inc. (WPL) | LANDSCAPE ARCHITECT

Rooted and located in Virginia Beach, WPL is an enthusiastic team and a sincere design practice dedicated to quality work. Their multidiscipline design professionals are all active and recognized in their own fields of work. Although relatively small in size (one office of 25 people), WPL has served public and private clientele locally on many high profile projects since 1960. They have truly offered transformative design for much of Tidewater and in many areas beyond. Given some of their high profile work, they continue to put an emphasis on public places and matching client values of sustainability, resiliency, beauty, functionality, and longevity. WPL is a SWaM VA certified and a Virginia S-Corporation offering a full range of professional services in landscape architecture, land surveying, and civil engineering throughout southeastern Virginia. They take great pride in their traditional work ethic and their ability to apply new information toward evolving processes. The benefits to their clients include creative design and quality service, tailored to the client's needs.

Landscape Architecture Division

The landscape architects at WPL are dedicated to sensitive site design. As the only design professionals in Virginia that are required to be formally educated, professionally trained, and state tested in site planning and design, landscape architects specialize in prudent and resourceful land design and development. At WPL we offer our creative aptitude and broad perspective to all types of land development.

We help clients realize the full potential of their land while increasing property values, usefulness, aesthetics, and environmental contributions. WPL's staff of landscape architects provides high caliber land-use planning and landscape architectural talent and local knowledge. WPL has the largest staff of landscape architectural talent in the Tidewater region with four landscape architects, three landscape designers, a Virginia Nursery and Landscape Association Certified Horticulturist, and one CAD technician. This group of design professionals has consistently provided cutting edge landscape architectural design on a wide range of projects. construction, to occupancy. This comprehensive approach allows HBA to help clients make design choices that account for later needs.



WPL has completed:

+60

Years of K-12
Experience in the
Hampton Roads

61

Years in Business in
Virginia Beach

+100

K-12 Projects in the
City of Virginia
Beach

WPL | LANDSCAPE ARCHITECT | EXPERIENCE

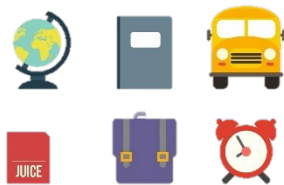
Land Surveying Division

WPL provides surveying and mapping services for clients around the Hampton Roads area. From major buildings and utility systems to private home construction sites, our staff is experienced in surveying any type of project. The three main areas of surveying services include site planning and development, construction support, and property transactions.

Each of our surveying teams is equipped with electronic total stations and data collectors with the capability of performing surveys in English measurements. We also house a complete Topcon GR3GPS system for RTK surveying and office software for processing data and planning survey projects.

WPL's Survey Division is made up of three licensed land surveyors, one construction administrator, three field crews, and four CAD technicians.

Ability to Design Landscape for K-12 Environments



WPL has enjoyed a strong 60-year old relationship with the K-12 market in Hampton Roads. We design our schools as the next generation of prototypical schools to include the highest levels of LEED certifications. WPL promotes school settings incorporating zero stormwater runoff through rainwater collection, rain gardens, and cisterns which were implemented at Kellam High School, College Park Elementary School and Great Neck Middle School in Virginia Beach.

Exercising sustainable site planning, sustainable planting design and LEED documentation to create a unique learning experience for students is our goal on each project. As one of the early Sustainable Sites Initiative pilot projects, Kellam High School incorporates many sustainable features including reforestation buffers, rain gardens, green roofs, and rainwater catchment and reuse on site.

The LEED Platinum-projected College Park Elementary School building features a zero-runoff site, treating all of its own stormwater up to a 100-year storm unlike any other school in the Hampton Roads area. The storm system exhibits a wetland rain garden as an outdoor teaching area served by deck walkways and platforms. Other contributions toward site-related sustainable curriculum include the nearly 10,000 SF of green roof and rooftop learning areas and the majority of classroom spaces which are optimized for daylighting and exterior views to the site. Breaking from the traditional elementary prototype, College Park is a proven success and a standard for the next generation of elementary school site design.

As the design team sub-consultant for civil engineering and landscape architecture, WPL completed the site plan design documents for the 26 million dollar, Blair Middle School Additions and Renovations. It entailed a major addition and renovation of the 70-year-old school, located in Norfolk's historically significant Ghent neighborhood. WPL provided construction administration services during the two-year plus construction phase.

WPL | LANDSCAPE ARCHITECT | EXPERIENCE

Also, WPL participated as a subconsultant and provided a feasibility study to Norfolk Public Schools (NPS) for a future Career and Technical Education (CTE) school. The study schematically reviewed five existing school sites to determine critical factors important to selecting a location of a combined high school and CTE facility. WPL assisted in completing an evaluation matrix and the Lake Taylor High School site was selected as the most appropriate location. More recently, WPL worked with a general contractor, architects and civil engineers, as part of the Public-Private Educational Facilities Infrastructure Act (PPEA), to create construction documentation for five elementary schools across Norfolk, Virginia. One of them being the Elementary School which is part of the Marine Corp Community Services (MCCS) at Camp Allen, Norfolk. Development of site master plan, site plans, site design and landscape design plans. Force protection guidelines and anti-terrorism measures were followed as well. An outdoor classroom, ball fields, fitness and play areas, drop off and parking areas were brought together through a comprehensive planting plan on a fiscally challenging budget.

K-12 RELEVANT EXPERIENCE

- Accomack County Schools Study, Accomack County Public Schools, Accomack, VA
- Andrews Elementary School, Hampton, VA
- Annual Contract: Chesterfield County Public Schools, Chesterfield County, VA
- Arrowhead Elementary School, Virginia Beach, VA
- B.R. Williams Elementary School Gym Addition, Virginia Beach, VA
- Bayside Elementary School Feasibility Study for additions and renovations, Virginia Beach, VA
- Bayside High School, Virginia Beach, VA
- Bayside Middle School, 6th Grad Annex Gym Addition, Virginia Beach, VA
- Birdneck Elementary School, Virginia Beach, VA
- Booker T. Washington Elementary School, Suffolk, VA
- Booker T. Washington High School Stadium Addition, Norfolk, VA
- Bowers Hill Area Middle School, Chesapeake, VA
- Butts Road Elementary School, Chesapeake, VA
- Cape Henry Collegiate School, Virginia Beach, VA
- Carver Elementary School Study, Chesterfield County Public Schools, Chesterfield, VA
- Carver Elementary School, Chesapeake, VA
- Carver Middle School Study, Chesterfield County Public Schools, Chesterfield, VA
- Center for Effective Learning, Virginia Beach, VA
- Centerville Elementary School, Virginia Beach, VA
- Christopher Farms Elementary School, Virginia Beach, VA
- College Park Elementary School, Virginia Beach, VA
- Corporate Landing Elementary School, Virginia Beach, VA
- Corporate Landing Middle School Outdoor Classroom, Virginia Beach, VA
- Cox High School Parking Additions, Virginia Beach, VA
- Creeds Elementary School, Virginia Beach, VA
- Crossroads Elementary School Parking Additions, Norfolk, VA
- Deep Creek High School modernization and additions, Chesapeake, VA
- Diamond Springs Elementary School / Williams Farm Park, Virginia Beach, VA
- Donation Center Elementary School, Virginia Beach, VA
- Education Master Site Plan, Richmond County Public Schools, Richmond, VA
- Families of Autistic Children (FACT), Virginia Beach, VA
- First Colonial High School Renovation, Virginia Beach Public Schools, Virginia Beach, VA
- Georgetown Primary School modernization and additions, Chesapeake, VA
- Glenwood Elementary School, Virginia Beach, VA
- Granby High School Expansion & Modernization, Norfolk City Public Schools, Norfolk, VA
- Grassfield High School, Chesapeake, VA
- Great Bridge Elementary School, Chesapeake, VA

WPL | LANDSCAPE ARCHITECT | EXPERIENCE

- Great Bridge Middle School, Chesapeake, VA
- Great Neck Middle School, Virginia Beach, VA
- Greenbrier Immediate School, Chesapeake, VA
- Hanover County High School, Planning and Landscape Architecture, Hanover County, VA
- Hermitage Elementary School Gym Addition, Virginia Beach, VA
- Hickory Elementary School modernization and additions, Chesapeake, VA
- Hill Property Elementary School, Virginia Beach, VA
- Holland Elementary School, Virginia Beach, VA
- Independence Middle School, Virginia Beach, VA
- Indian Lakes Elementary School, Virginia Beach, VA
- Indian River High School, Chesapeake, VA
- Isle of Wight Elementary School, Site Selection Services, Isle of Wight County, Isle of Wight, VA
- Isle of Wight High School New Site, Isle of Wight County, Isle of Wight, VA
- Isle of Wight High School, Isle of Wight Public Schools, Isle of Wight, VA
- John B. Dey Elementary School, Virginia Beach, VA
- John F. Kennedy Jr. Middle School Phase III, Athletic Facility Upgrade, Suffolk, VA
- Jolliff Road Middle School, Chesapeake, VA
- Kellam High School Replacement, Virginia Beach, VA
- Kellam High School Site Feasibility Study, Virginia Beach, VA
- Kemps Landing Magnet Middle School, Virginia Beach, VA
- Kempsville Elementary School Gym Addition, Virginia Beach, VA
- Kempsville High School Parking and Tennis Court Renovations, Virginia Beach, VA
- Kempsville Meadows Elementary School Feasibility Study for additions & renovations, Virginia Beach, VA
- King's Grant Elementary School, Virginia Beach, VA
- Lafayette Winona Middle School, Norfolk, VA
- Lake Ridge Area Middle School Site Study, Virginia Beach, VA
- Lake Taylor High School Stadium Addition, Norfolk, VA
- Lakeland High School, Suffolk, VA
- Landstown Elementary School, Virginia Beach, VA
- Landstown High School, Virginia Beach, VA
- Landstown Middle School, Virginia Beach, VA
- Larkspur Middle School, Virginia Beach, VA
- Linkhorn Park Elementary School, Virginia Beach, VA
- Loise Luxford Elementary School Feasibility Study for additions and renovations, Virginia Beach, VA
- Long Range Planning Study for Upper, Middle & Lower Schools, Norfolk Collegiate Schools, Norfolk, VA
- Marsh Creek Elementary School, Chesapeake Public Schools, Chesapeake, VA
- Midway Elementary School, Dinwiddie County, VA
- Nansemond River High School, Suffolk, VA
- New Castle Elementary School, Virginia Beach City Public Schools, Virginia Beach, VA
- New Dormitories, Norfolk State University, Norfolk, VA
- Newcastle Elementary School, Virginia Beach, VA
- Newtown Elementary School, Virginia Beach, VA
- Norfolk Collegiate Lower School Expansion & Modernization, Norfolk, VA
- Norfolk Collegiate Middle School, Norfolk, VA
- Northern Shores Elementary School, Suffolk, VA
- Norview High School, Norfolk Public Schools, Norfolk, VA
- Norview Middle School, Norfolk Public Schools, Norfolk, VA
- Ocean Lakes High Schools, Virginia Beach, VA
- ODC / KLMS Replacement School for Gifted (Old Donation School), Virginia Beach, VA
- ODC / KLMS Replacement School for Gifted Site Selection Study, Virginia Beach, VA
- Oscar Smith High School, Chesapeake, VA
- Parkway Elementary School, Virginia Beach, VA
- Pembroke Elementary School, Virginia Beach, VA
- Phenix Elementary School, Hampton, VA
- Pioneer Elementary School, Suffolk, VA

WPL | LANDSCAPE ARCHITECT | EXPERIENCE

- Plaza Middle School, Virginia Beach, VA
- Pocahontas Elementary School, Powhatan Public Schools, Powhatan, VA
- Point O' View Elementary School, Virginia Beach, VA
- Poplar Halls Elementary School Parking Additions, Norfolk, VA
- Powhatan Elementary School Study, Powhatan County Schools, Powhatan, VA
- Powhatan High School, Powhatan County, VA
- Powhatan Middle School Renovation/Expansion, Powhatan Public Schools, Powhatan, VA
- Princess Anne Elementary School, Virginia Beach, VA
- Princess Anne High School Additions and Renovations, Virginia Beach, VA
- Princess Anne Middle School, Virginia Beach, VA
- Providence Elementary School Parking Additions, Virginia Beach, VA
- Red Mill Elementary School, Virginia Beach, VA
- Rosemont Forest Elementary School, Virginia Beach, VA
- Salem High School, Virginia Beach, VA
- Salem Middle School, Virginia Beach, VA
- Seatack Elementary School Community Garden Expansion, Virginia Beach, VA
- Seatack Elementary School, Virginia Beach, VA
- Shelton Park Elementary School Feasibility Study for additions and renovations, Virginia Beach, VA
- Smithfield High School Auditorium Addition, Isle of Wight County Public Schools, Smithfield, VA
- Sparrow Road Elementary School modernization and additions, Chesapeake, VA
- St. Gregory Catholic School Entry Way, Virginia Beach, VA
- Tallwood High School, Virginia Beach, VA
- Thalia Elementary School Feasibility Study for additions and renovations, Virginia Beach, VA
- Thoroughgood Elementary School Gym Addition, Virginia Beach, VA
- Thoroughgood Elementary School Replacement, Virginia Beach, VA
- Three Intermediate Schools, Chesapeake Public Schools, Chesapeake, VA
- Thurgood Marshall Elementary School, Chesapeake Public Schools, Chesapeake, VA
- Trantwood Elementary School, Virginia Beach, VA
- Virginia Beach School Plant Study, Virginia Beach, VA
- W. T. Cooke Elementary School Feasibility Study for additions and renovations, Virginia Beach, VA
- Western Branch High School modernization and additions, Chesapeake, VA
- Western Branch Immediate School, Chesapeake, VA
- Western Branch Middle School, Chesapeake, VA
- Williamsburg 200 Student Elementary Addition, Williamsburg Public Schools, Williamsburg, VA
- Williamsburg 600 Student Elementary School Recreation Center & Park Master Plan, City of Williamsburg, VA
- Windsor Middle/High School, Isle of Wight County Public Schools, Windsor, VA
- Windsor Woods Elementary School, Virginia Beach, VA
- Windsor Oaks Elementary School, Virginia Beach, VA
- Woodstock Elementary School Feasibility Study for additions and renovations, Virginia Beach, VA
- Youngs Park Elementary School Parking Additions, Norfolk, VA

Additional K-12 Experience:

- +45 School Addition & Renovation Projects
- 30 School Site Survey Projects
- + 30 School Studies

Please see the following pages for the WPL Team:

- | | |
|---------------------------------|--------------------|
| • Principal Landscape Architect | William D. Allmond |
| • Landscape Architect | Mike Fox |



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WPL | LANDSCAPE ARCHITECT | RESUMES



WILLIAM D. ALMOND, FASLA

President | Principal Landscape Architect

William D. Almond, FASLA, CLARB is a licensed Landscape Architect with over 43 years' experience on a wide range of residential, commercial, municipal, military, and institutional projects. Prior to establishing the landscape architectural division at WPL, Mr. Almond was Senior Associate at the Norfolk based architectural firm of Shriver and Holland Associates for over 21 years. This combined with WPL's extensive practice of landscape architecture has afforded Mr. Almond a broad range of knowledge in all aspects of landscape architecture including site analysis, master planning, site planning, site design and construction detailing, planting design as well as bid and award and construction administration. Mr. Almond has served all federal, state and local municipal governments inclusive of all the Tidewater Virginia cities. Mr. Almond has served the City of Virginia Beach on multiple planning and landscape architectural assignments over the last 40 years within the K-12 market. Mr. Almond has extensive ties to his local community serving on city council appointed boards and commissions as well as local neighborhood civic leagues.

EDUCATION

Bachelor of Landscape Architecture with Distinction, Virginia Polytechnic Institute and State University, 1978

EXPERIENCE

43 Years

REGISTRATION AND CERTIFICATION

Virginia, 000449, 1990
North Carolina, 1134, 2000
Certified by the Council of Landscape Architectural Registration Boards, 898

MEMBERSHIPS

Green Schools National Network (GSNN) Board Member American Society of Landscape Architects (Fellow 2010)
Virginia Chapter, American Society of Landscape Architects (Past President, Chair Legislative Committee)
Resort Advisory Commission, City of Virginia Beach (Past Chair)
Resort Advisory Commission Planning and Design Review (Chair)
YMCA of South Hampton Roads Metro Property Committee (Chair)

RELEVANT EXPERIENCE

Five New Elementary Schools, Norfolk, VA (PPEA)

WPL worked to create construction documentation for five schools as well as development of site master plan, site plans, site design and landscape design plans. A few site amenities included outdoor classrooms, ball fields, fitness and play areas, drop off and parking areas were all achieved through a fiscally challenging budget.

Princess Anne Middle School, Virginia Beach, VA

The project underwent 9 months of public participation in the form of both building and site design workshops. WPL spearheaded the site workshops and coordinated 3-D modeling of the site with the architects' building in order to provide stakeholders an ability to virtually walk-through the design and make critiques. WPL services included site feasibility, land planning, landscape architecture and land surveying.

Old Donation School, Virginia Beach, VA

WPL lead the efforts for the site selection and feasibility study for Schools to make the best informed decision on the location of the site, and was retained to survey and master plan the chosen site and provide complete construction documents for implementation.

Chesapeake Bay Foundation's Brock Environmental Center Classroom Addition, Virginia Beach, VA

The Macon and John Brock Classroom is an Environmental Sciences partnership between the Chesapeake Bay Foundation and City of Virginia Beach Public Schools.

John B. Dey Elementary School, Virginia Beach

The modernization of the elementary school improved the new building size to be 107,210 SF. WPL provided landscape architecture, land surveying, site circulation design, design of a decked wetland classroom overlooking the site's stormwater management facilities and outdoor classrooms, urban garden and all site amenities.

**MIKE FOX, ASLA**

Senior Associate | Landscape Architect

Mike is skilled in staff leadership and project management for projects ranging from small commercial development to large town planning efforts and everything in between. Able to engage with broad audiences, he is a talented communicator. Mike enjoys working on unique projects such as amphitheaters, rooftop gardens, city master plans, and special park designs. Having a broad knowledge of the various disciplines involved, Mike uses a balanced approach of pragmatism and creativity for successful design on virtually every type of project in Tidewater.

EDUCATION

Bachelor of Landscape
Architecture, University of
Illinois, 1999

EXPERIENCE

22 Years

**REGISTRATION AND
CERTIFICATION**

Virginia, 001056, 2003
Certified by the Council of
Landscape Architectural
Registration Boards, 2118,
2004

MEMBERSHIPS

Virginia Chapter of the
American Society of
Landscape Architects
American Society of
Landscape Architects
Council of Landscape
Architectural Registration
Boards
American Society of
Landscape Architects
Climate Change Committee

RELEVANT EXPERIENCE**Thoroughgood Elementary School, Virginia Beach, VA**

WPL provided landscape architecture and surveying, site planning, planting design services as well as lead design workshop and community information meetings and supported the design team's effort to promote LEED certification for the VBCPS Green School program on the new Thoroughgood Elementary School.

Princess Anne Middle School, Virginia Beach, VA

WPL spearheaded the site workshops, and coordinated 3-D modeling of the site with the architects' building in order to provide stakeholders an ability to virtually walk-through the design and make critiques. From here, WPL designed the planting composition and all specialty area plazas, forecourts, materials, and furnishings. One powerful feature central to the design was the daylighting of a storm pipe on site. The pipe, once removed, was opened up to become a naturalized wetland channel for handling additional stormwater and creating an outdoor learning exhibit.

Seatack Elementary School Urban Garden, Virginia Beach, VA

As part of the Something in the Water (SITW) Festival in 2019, this impactful project was born out of collaboration between the creative mind of Virginia Beach native, artist, and entrepreneur, Pharrell Williams and Seatack Elementary students. The design plan includes 30 new raised beds, 4 of which are ADA accessible, edible tree species, pollinator shrubs, an arbor gateway, compost bins, new greenhouse and cold frames, a gathering circle, an outdoor classroom, and multiple pieces of artwork. WPL surveyed the area, developed a carefully plotted procedure and created a master plan. WPL also developed detailed and lifelike renderings showing what the finished product would look like upon construction.

Chesapeake Bay Foundation's Brock Environmental Center Add., Virginia Beach, VA

The Macon and John Brock Classroom is a Environmental Sciences partnership between the Chesapeake Bay Foundation and City of Virginia Beach Public Schools. The finished project is expected to earn a LEED Platinum rating and will be every bit as sustainable in its construction and operation as the original Brock Center building. Much like the original Brock Center project, site improvements are designed to minimally impactful to the landscape at Pleasure House Point.

Five New Elementary Schools, Norfolk, VA (PPEA)



TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
SMF



Speight, Marshall & Francis, P.C. (SMF) | STRUCTURAL ENGINEER

SMF is an award-winning structural engineering and Special Inspections firm registered as a small business with the Commonwealth of Virginia and the federal government. With offices in Virginia Beach and Richmond, they retain a total staff of 40 and employ engineering professionals licensed to practice in 31 states. Although the firm performs structural services for projects around the nation, they focus on projects primarily in southeastern Virginia. Project experience spans a variety of related projects with S.B. Ballard including PPEA projects. Projects for Virginia Beach City Public Schools has comprised a significant part of their business over the last 26 years and most recently includes:

- Brock Environmental Center VBCPS Sustainable Classroom
- Princess Anne Middle School
- Thoroughgood Elementary School
- Old Donation School
- Kellam High School
- Virginia Beach Middle School

Their staff is available and committed to assisting Virginia Beach City Public Schools in providing structural engineering services for the proposed A/E Term Contract and their staff has practical experience and qualifications with providing all of the structural engineering services that would be required. Services include, but are not limited to: structural investigations and forensics, analyses, inspections and evaluations, reporting on inspection findings, providing recommendations for repair, rehabilitation and replacement, feasibility studies, rehabilitation, renovations, and additions design, new facilities design, preliminary design, final design, preparation of full contract drawings, specifications, cost estimates, value engineering, peer review, local approvals, assistance in prebid and preconstruction meetings, bid review and recommendations, on-site meetings with contractors and property owners, conducting meetings and public relations work, shop drawing review, issuing change orders, inspections during construction, final and warranty inspections, Special Inspections, construction engineering, expert testimony, and as-built drawings. to construction, to occupancy. This comprehensive approach allows HBA to help clients make design choices that account for later needs.



**STRUCTURAL
ENGINEERING
AND SPECIAL
INSPECTIONS**

\$500m+

In K-12 Design
Project Value

40

Employed
Engineering
Professionals

26

Years in Business in
Virginia Beach

02

New High Schools in
Virginia Beach:
Tallwod HS |
Kellam HS

VHB | STRUCTURAL ENGINEER | EXPERIENCE

Considered a forerunner in the area for LEED and Building Information Modeling (BIM) design, the firm has become known for their common sense, cost-effective, and innovative structural engineering design solutions that meet each client's unique long and short-term goals. Exceptional responsiveness to client requests and their assertive "can do" mentality distinguishes them from the industry standard.

SFM specializes in new design as well as rehabilitation, renovations, additions, feasibility studies, structural investigations/forensics, adaptive reuse, value engineering, special inspections/agent 1, and peer review. Project types include: Community (learning, civic, multi-family residential, recreational, religious, healthcare, recreation and entertainment); Commercial (financial, industrial, corporate, interiors, retail, and mixed-use); and Government (federal/ Department of Defense).



SMF employs 40 qualified individuals, and is a registered Small Business (DMBE #651486). SMF is active in numerous professional organizations, including Virginia Beach Education Foundation, Design Build Institute of America, Construction and Danny Speight has relished serving as an instructor for the General Structures & Lateral Forces course. SMF has a long history of giving back to the community with Coaching with Altruism, Recovery for Life and JTS Camp Grom.

STRUCTURAL SERVICES

- New Facilities Design
- Rehabilitation / Renovations / Additions Design
- Feasibility Studies
- Structural Investigations / Forensics
- Adaptive Reuse
- Value Engineering
- Special Inspections, Agent 1
- Peer Review



SMF | STRUCTURAL ENGINEER | K-12 RELEVANT EXPERIENCE

K-12 RELEVANT EXPERIENCE

SMF Relevant Experience with selected members of the consortium of firms:

- Five New Elementary Schools, Norfolk, VA (PPEA)
- Princess Anne Middle Schools, Virginia Beach, VA
- Old Donation School, Virginia Beach, VA
- Colonel Fred Cherry Middle School, Suffolk, VA
- Page Middle School, Gloucester County, VA
- Kellam High School, Virginia Beach, VA
- Thoroughgood Elementary School, Virginia Beach, VA
- Virginia Beach Middle School
- Culpeper Career and Technical Education Facility (CTE), Culpeper, VA
- West Point Elementary School Replacement, West Point Military Academy, West Point, NY
- Elkhardt-Thompson Middle School, Richmond, VA



Please see the following pages for the SMF Team:

- | | |
|---|----------------------------------|
| • Principal Structural Engineer of Record | Daniel W. Speight, PE |
| • Principal Structural Engineer / Project Manager | J. Stephen Cowan, PE |
| • Structural Engineer -in-Charge | Jonathan Waleczyk, PE |
| • Structural Engineer | Morgan L. Albiston (Speight), PE |



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SMF | STRUCTURAL ENGINEER | RESUMES



DANIEL W. SPEIGHT, PE

President / Principal Structural Engineer of Record

Danny started his career working in the Engineering Department of the Newport News Shipbuilding and Drydock Company while attending Old Dominion University. Upon graduating, he worked for Stroud, Pence and Associates, Ltd. as a Project Engineer and Associate until he resigned to form Speight, Marshall & Francis, P.C. in 1994.

For nearly 35 years Danny has performed structural engineering services for Virginia Beach City Public Schools and has developed a close-knit relationship with design & construction staff. As Principal Structural Engineer of Record, Danny will oversee the proposed new VBCPS projects and will incorporate his three and a half decades of structural engineering expertise to complete a full review of structural drawings prior to signing and sealing. Danny performs project management, design, construction document preparation, construction administration, and construction inspections. He is also responsible for supervision and quality control for production of construction documents and to assure quality control is maintained during construction.

We realize the importance of the schedule and budget on these projects; Danny has established our firm's reputation for not missing deadlines and on a daily basis will ensure all aspects of each project are on track. He prides himself on responding quickly to client requests and being easily reached. Time and time again, Danny has demonstrated his ability to provide quick response time on project issues of immediate need to our extensive list of repeat clients including S.B. Ballard and VBCPS.

EDUCATION

Bachelor of Science in Civil
Engineering (Structural
Engineering
Concentration)

EXPERIENCE

35 Total Years
26 Years with Speight
Marshall Francis

**REGISTRATION AND
CERTIFICATION**

Virginia Professional
Engineer #021282
Plus 28 other states (info
provided upon request)

MEMBERSHIPS

Virginia Beach Education
Foundation Board Member
American Society of Civil
Engineers (ASCE)
American Institute of Steel
Construction (AISC)
International Code Council (ICC)
Instructor of the General
Structures & Lateral Forces course
for the ARE (Architectural
Registration Exam)
Consultant & Instructor for
Southeast Concrete Masonry
Association

AWARDS

"Top 25 Newsmaker of
2019" by Engineering
News-Record (ENR)

RELEVANT EXPERIENCE

- Five New Elementary Schools, Norfolk, VA (PPEA)
- Princess Anne Middle School, Virginia Beach, VA
- Old Donation School, Virginia Beach, VA
- Colonel Fred Cherry Middle School, Suffolk, VA
- Page Middle School, Gloucester County, VA
- Kellam High School, Virginia Beach, VA
- Thoroughgood Elementary School, Virginia Beach, VA
- Virginia Beach Middle School, Virginia Beach, VA
- Culpeper Career and Technical Education Facility (CTE),
Culpeper, VA
- West Point Elementary School Replacement, West Point
Military Academy, West Point, NY
- Elkhart-Thompson Middle School, Richmond, VA

SMF | STRUCTURAL ENGINEER | RESUMES



J. STEPHEN COWAN, PE

Principal Structural Engineer / Project Manager

EDUCATION

Bachelor of Science in Civil
Engineering, Minor in
Environmental Engineering

EXPERIENCE

19.5 Total Years

REGISTRATION AND CERTIFICATION

Virginia Professional Engineer
#0491222

MEMBERSHIPS

American Institute of Steel
Construction (AISC)

As a young college student at James Madison University, Steve first worked for the firm in the summers of 2001 and 2002 as a part-time Courier and Shop Drawing Assistant. In 2003, he transferred to Old Dominion University and began working for the firm permanently while taking engineering classes. Upon his graduation with a Civil Engineering Bachelor's Degree in 2007, he moved into an Engineer-in-Training position with our firm. Throughout the next 4 years Steve worked long hours learning the ropes from our mentoring Partners, Danny Speight, P.E., Matt Marshall, Jr., P.E., and Jon Walesczyk, P.E. His hard work came to realization in 2011 when he passed the P.E. exam on his first attempt and became a Virginia Professional Engineer (#049122). In 2016 he became a Partner with the firm. In recognition of Steve's achievements and service to the community with passion and innovation he was honored with a "40 Under 40" award from Old Dominion University Alumni Association in 2021.

Steve's resume encompasses a comprehensive array of market segments with proficiency in structural design of projects related to the proposed new schools. As Principal Structural Engineer/Project Manager Steve will attend required design meetings and planning meetings and oversee the project on a daily basis. He will ensure all aspects of this project are on track including schedule and budget. Responsibilities with Speight Marshall Francis also include structural investigations, feasibility studies, preliminary design, schematic design, final design, preparation of full contract documents, designing for LEED certification and projects with sustainable design elements, peer review, shop drawing review, and construction administration including inspection during construction.

RELEVANT EXPERIENCE

- Five New Elementary Schools, Norfolk, VA (PPEA)
- Princess Anne Middle School, Virginia Beach, VA
- Old Donation School, Virginia Beach, VA
- Colonel Fred Cherry Middle School, Suffolk, VA
- Page Middle School, Gloucester County, VA
- Kellam High School, Virginia Beach, VA
- Thoroughgood Elementary School, Virginia Beach, VA
- Virginia Beach Middle School, Virginia Beach, VA
- Culpeper Career and Technical Education Facility (CTE), Culpeper, VA
- West Point Elementary School Replacement, West Point Military Academy, West Point, NY
- Elkhardt-Thompson Middle School, Richmond, VA

SMF | STRUCTURAL ENGINEER | RESUMES

**JONATHAN WALESCZYK, PE**

Structural Engineer-in-Charge

EDUCATION

Bachelor of Science in
Engineering Technology
(Civil, Structural &
Construction Management
Emphasis)

EXPERIENCE

24 Total Years
20.5 Years with Speight
Marshall Francis

**REGISTRATION AND
CERTIFICATION**

Virginia Professional
Engineer #021282
North Carolina Professional
Engineer #042390
D.C. Professional Engineer
PE900497
2002 / Registered NCEES SE-I,
Structural I Engineer
Certification

MEMBERSHIPS

American Institute of Steel
Construction (AISC)

A registered Professional Engineer in Virginia (#038889), Jon has worked on a multitude of new public schools throughout his career, thus will serve as Principal Structural Engineer-in-Charge for the proposed new PPEA VBCPS projects. He has extensive experience with the design/build method of project delivery with S.B. Ballard; an asset critical to the successful outcome of this project.

Well-acquainted with federal, state, and local building code requirements, he will supervise all phases of the project from preliminary and schematic design to final structural design documents to ensure strict engineering standards are followed and will complete Quality Assurance/Quality Control reviews throughout the process. He will coordinate efforts among the project team including attending required meetings to stay on top of all facets of the project. His responsibilities with our firm also include project management, structural investigations, feasibility studies, preliminary design, preparation of full contract drawings, peer review, shop drawing review, and construction administration including inspection during construction.

Jon has earned a reputation for practicality and creativity by developing cost-effective, sustainable designs that exceed our clients' expectations. Clients have expressed their appreciation for his quick response time and his "can do" attitude.

RELEVANT EXPERIENCE

- Five New Elementary Schools, Norfolk, VA (PPEA)
- Princess Anne Middle School, Virginia Beach, VA
- Old Donation School, Virginia Beach, VA
- Colonel Fred Cherry Middle School, Suffolk, VA
- Page Middle School, Gloucester County, VA
- Kellam High School, Virginia Beach, VA
- Thoroughgood Elementary School, Virginia Beach, VA
- Virginia Beach Middle School, Virginia Beach, VA
- Culpeper Career and Technical Education Facility (CTE), Culpeper, VA
- and building trades.
- West Point Elementary School Replacement, West Point Military Academy, West Point, NY
- Elkhardt-Thompson Middle School, Richmond, VA

SMF | STRUCTURAL ENGINEER | RESUMES



MORGAN L. ALBISTON (SPEIGHT), PE

Structural Engineer

Morgan, daughter of Danny Speight, grew up in the business and followed in her father's footsteps pursuing their shared passion for structural engineering. After 4 years of training at Speight Marshall Francis, she earned her Professional Engineering license in 2019.

Duties with our firm include feasibility and cost analysis of alternate structural systems, structural evaluations, and determining appropriate loadings based upon applicable building codes for project calculations. She is responsible for preparation of construction documents, project specifications, and solutions to general engineering problems. In addition, she reviews shop drawings, materials, and product data submittals for general conformance with the structural engineering design concepts and project requirements and provides field repairs.

Morgan formed a dynamic rapport working closely with S.B. Ballard on the 5 PPEA projects our team performed for Norfolk Public Schools. Her experience designing new schools has been augmented while working for Virginia Beach City Public Schools, namely Thoroughgood Elementary School and Old Donation School.

EDUCATION

Bachelor of Science in Civil
Engineering Technology

EXPERIENCE

6.5 Total Years

REGISTRATION AND CERTIFICATION

Virginia Professional
Engineer #0420061880
D.C. Professional Engineer
#920942

RELEVANT EXPERIENCE

- Five New Elementary Schools, Norfolk, VA (PPEA)
- Princess Anne Middle School, Virginia Beach, VA
- Old Donation School, Virginia Beach, VA
- Colonel Fred Cherry Middle School, Suffolk, VA
- Kellam High School, Virginia Beach, VA
- Thoroughgood Elementary School, Virginia Beach, VA
- Culpeper Career and Technical Education Facility (CTE), Culpeper, VA
- West Point Elementary School Replacement, West Point Military Academy, West Point, NY
- Elkhart-Thompson Middle School, Richmond, VA



TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
Lynch Mykins



Lynch Mykins Structural Engineers, P.C. | STRUCTURAL ENGINEER (Lynch Mykins)

LYNCH MYKINS was founded in 1974 and has over 4 decades of experience in providing high quality structural engineering services all over the U.S. Our team has worked on nearly every conceivable building type including Higher Education, Federal/State/Local, Entertainment and Arts, Healthcare, Hospitality, K-12, Historic Restoration, and commercial. Dedicated to creative approaches, collaborative processes and integrated design, Lynch Mykins is headquartered in Raleigh, North Carolina, with offices in Virginia Beach, Virginia and Richmond, Virginia. We've been responsible for the design of buildings and other structures at a rate of over \$1.8 billion in construction value per year.

The end user experience is a top priority to us, so our engineers focus on serviceability issues like vibration, deflection, and the effects of structure on sound transmission. We strive to be at the forefront of computer technology and maintain the hardware and software tools necessary for state-of-the-art, high-speed analysis and efficient design.

With a top to bottom approach, our goal is the same on every project—achieve our client's vision while making the most of each dollar. Our engineers' ability to interpret challenging project requirements into creative yet cost-effective designs is second to none in the industry.

SERVICES

- Structural Engineering
- Sustainable Design
- Adaptive Reuse
- Forensic Engineering
- Special Inspections
- Structural Investigation
- Historic Preservation

GENERAL

- Founded in 1974
- HUB Certified – Woman Owned
- Small Professional Services Firm (SPSF) - NC
- VA SWaM #725989 - Small, Woman-Owned
- DBE Certified - VA & NC



28

Structural Engineers

53

Staff Members

47

Years in Business in
Virginia Beach

03


Offices



LYNCH MYKINS | STRUCTURAL ENGINEER | EXPERIENCE

Please see the following pages for the Lynch Mykins Team:

- President Dave Mykins
- Managing Director Justin Trent
- Design Engineer Taylor Mills

The logo features the text "lynchmykins" in a white sans-serif font, with "lynch" in lowercase and "mykins" in lowercase. The background is a dark teal color with a pattern of light teal geometric shapes, including triangles and parallelograms, creating a textured effect.

lynchmykins

CALCULATE. COLLABORATE. CREATE.

LYNCH MYKINS | STRUCTURAL ENGINEER – RESUMES



Dave Mykins, PE

President

Dave has overall responsibility for the management and direction of the firm. He oversees the engineering and client services for all three of the firm's locations, while providing leadership to all branch managers and department heads.

With over 35 years in the analysis and design of structures, his range of experience covers almost every type of building construction. Past projects include educational facilities, shopping centers, hotels, churches, private residences, and various governmental projects. His projects have involved both new construction and rehabilitation and have ranged from one to twenty-one stories. His design experience is coupled with considerable field experience in evaluations of existing structures, special inspections, and construction administration.

EDUCATION

Bachelor of Science
Civil Engineering
State University of New
York at Buffalo, 1981

Master of Engineering
Structural Engineering
Old Dominion University
Norfolk, Virginia, 1988

EXPERIENCE

35 years

REGISTRATION AND CERTIFICATION

VA, NC, SC, CT, DE, GA,
PA, NH, NY, TX, WV

MEMBERSHIPS

National Society of
Professional Engineers,
American Institute for Steel
Construction,
The Council of American
Structural Engineers,
CASE National Guidelines
Committee

RELEVANT EXPERIENCE

Crossroads PK-8 School, Norfolk, VA

We replaced the original 50-year old Crossroads Elementary School to create a 145,000 SF, 2-story school for students K-8. The structure includes a community center and is Norfolk Public School's first LEED certified school. It is designed as a hurricane shelter.

George P. Phenix PK-8 School, Hampton, VA

A 202,814 SF 1 and 2-story combined elementary/middle school and is designed to serve 1,300 students. The combined school features large assembly spaces including dining space and gymnasium dedicated to elementary school-age children, as well as a separate dining area and gymnasium for the middle school students. Designed as a hurricane shelter. Phenix PK-8 is the first LEED Certified building in the City of Hampton.

Harrisonburg New High School, Harrisonburg, VA (PPEA)

This new 257,800 SF, 3-story steel framed high school brings much needed relief to overcrowding in the only other high school in the city. Situated on 60 acres, the campus includes athletic fields, an eight-lane track, bleachers, concessions and restrooms, in addition to the main academic structure.

Grassfield High School, Chesapeake, VA

A new two-story load bearing masonry, 353,366 sf high school to provide for the general and specialized classrooms and labs, athletic facilities, administrative offices, auditorium, toilets, kitchen and cafeteria, and custodial facilities required for the 2,200-student high school. Designed as a hurricane shelter.

LYNCH MYKINS | STRUCTURAL ENGINEER – RESUMES



Justin Trent, PE

Managing Director

Justin has 15 years of experience at Lynch Mykins in design and construction administration for various structural engineering projects. Project types include renovations, building evaluation, military, government facilities, educational, institutional facilities, residential complexes, mixed use office buildings, parking structures, and shopping centers. He is proficient in the design of structures constructed of concrete, masonry, structural steel, cold-formed steel framing and wood materials. Justin is responsible for the preparation and oversight of construction documents, construction administration, project deliverables, and the supervision of the special inspection progress related to those projects.

EDUCATION

Bachelor of Science
Civil Engineering,
Virginia Polytechnic
Institute and State
University, Blacksburg, VA,
2006

Master of Science
Civil Engineering,
Structures Concentration
Virginia Polytechnic
Institute and State
University, Blacksburg, VA,
2007

EXPERIENCE

15 years

REGISTRATION AND CERTIFICATION

PROFESSIONAL
ENGINEERING
2011 Virginia, #47780

MEMBERSHIPS

American Institute of Steel
Construction,
American Society of Civil
Engineers

RELEVANT EXPERIENCE

James Blair Middle School, Williamsburg, VA

A 110,000 SF 3-story middle school with a capacity of 900 students. It is the first school in the district built specifically for collaborative learning.

Enon Elementary School, Chesterfield County, VA

Design of an 90,000 square foot, two story, 750 student elementary school located in Chesterfield County, Virginia.

Crestwood Elementary School, North Chesterfield, VA

New single story 81,000 SF, 750 student elementary school in Chesterfield County, VA.

Reams Elementary School, Chesterfield, VA

New single story 95,944 SF, 750 student elementary school in Chesterfield County VA. This is a reuse of Beulah Elementary School. The construction consists of a combination of a steel framed structure and load-bearing exterior masonry.

Crossroads PK-8 School, Norfolk, VA

We replaced the original 50-year old Crossroads Elementary School to create a 145,000 SF, 2-story school for students K-8. The structure includes a community center and is Norfolk Public School's first LEED certified school. It is designed as a hurricane shelter.

LYNCH MYKINS | STRUCTURAL ENGINEER – RESUMES

**Taylor Mills, EI**

Design Engineer

EDUCATION

Bachelor of Science
Civil Engineering
North Carolina State
University, 2018

EXPERIENCE

3 years

MEMBERSHIPS

National Association of
Women in Construction,
National Council of
Structural Engineers
Associations,
ACE Mentorship,
Barkitecture

Taylor has always been a lover of math and science with a critical eye for the details so structural engineering became a clear career path for her at an early age. For years, she has approached engineering with a blend of problem solving, creativity, and technical expertise. In her drive for innovation, and on your engineering team, Taylor leads collaborations for problem-solving, and efficiency - always bringing forth thoughtful ideas with every single project.

Taylor has worked on a variety of projects including several new K-12 schools for the Wake County Public School System in Raleigh, NC. Taylor is known by clients for her ability to balance the requirements of building code with costs and the owner's vision. She's responsive and always brings creative ideas forward to solve complex problems.

RELEVANT EXPERIENCE**Stough Elementary School, Raleigh, NC**

This project originally was going to be an addition/renovation, but turned into an entire demolition and new 110,000 SF school.

Fuller Elementary School Additions and Renovations, Raleigh, NC

Additions and renovations to the existing Fuller Elementary School in Raleigh, NC. The existing 1990 built wing will remain and the remainder of the school will be demolished and rebuilt. New addition areas to include classrooms, administration, child nutrition, media center, music, band, dance and staff and technology spaces.

Chapel Hill High School, Chapel Hill, NC

A 195,585 SF addition to the existing Chapel Hill High School located in Chapel Hill, NC. The budget for the addition is 29.4 million. The project also includes renovation to the existing two building and the budget is 6.6 million.

West Millbrook Middle School, Raleigh, NC

A new 214,000 square foot middle school. The admin and classroom wing will be a steel framed three story building with a curtain wall and brick-clad facade. Cafeteria, theater and gym wings will be of masonry construction with a steel bars joist roof system.

Nuese River Middle School, Raleigh, NC

A new 220,000 SF middle school building. The building includes a three-story classroom wing, media center, auditorium, student dining, gymnasium and mechanical mezzanines. It is expected that the building structure will consist of a structural steel frame and that exterior walls will be consist of cold-formed metal framing or masonry wall construction.



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TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
MJT



Thompson Consulting Engineers (MJT) | M/E/P ENGINEER

Since 1954, the Thompson Consulting Engineers team has provided exceptional consulting engineering services. Our clients have included architects, K-12 education facilities, municipal governments, higher education institutions, commercial and industrial facilities, design-build contractors, and developers. We deliver a variety of project types using innovative systems that address sustainability, LEED strategies, integrated technology and communications, life safety, and security.

Our team consists of over three dozen passionate and experienced mechanical and electrical engineers, designers, CADD technicians, construction administrators and administrative personnel. We know that every successful project is the result of a team effort, which is why we care deeply about hiring exceptional people and investing in their talent.

Thompson Consulting Engineers has extensive experience with K-12 new construction projects, having provided mechanical, electrical, plumbing and fire protection design services for over 80 new schools. Our firm has participated in 20 new school projects for Virginia Beach City Public Schools since 1995. Our most recent projects include the new Princess Anne Middle School, Thoroughgood Elementary School, Old Donation School, and Kellam High School. construction, to occupancy. This comprehensive approach allows HBA to help clients make design choices that account for later needs.

SERVICES:

- Mechanical Engineering
- Electrical Engineering
- Plumbing & Fire Protection Engineering
- Construction Administration
- Building Systems Commissioning

**Innovative
Systems that
Address
Sustainability**



67

Years in Business in
Virginia Beach

41

Employees

10

LEED Accredited
Professionals

08

Registered Engineers

04

Commissioning
Agents

04

Engineers in Training

08

Construction
Administrators

MJT | M/E/P ENGINEER | EXPERIENCE



HBA employs 40 qualified individuals, and is a registered Small Business (DMBE #651684). We are active in numerous professional organizations, including Virginia Beach Education Foundation, Mike Ross served as president and Grants Committee Chair; as well as A4LE Virginia Chapter president.

K-12 RELEVANT EXPERIENCE

PROJECT NAME	Princess Anne Middle School
Location	Virginia Beach, VA
Cost	\$64,800,000
Completion Date	2021
Relevant Features	New Construction, Middle School, 257,784 SF
Awards	LEED Certification in Progress
PROJECT NAME	Great Bridge Primary School
Location	Chesapeake, VA
Cost	\$22,300,000
Completion Date	2020
Relevant Features	New Construction, Elementary School
Awards	
PROJECT NAME	Manchester Middle School
Location	Richmond, VA
Cost	\$40,353,631
Completion Date	2020
Relevant Features	New Construction, Middle School, 139,011 SF
Awards	
PROJECT NAME	Harrowgate Elementary School
Location	Chester, VA
Cost	\$23,335,082
Completion Date	2020
Relevant Features	New Construction, Elementary School, 95,990 SF
Awards	
PROJECT NAME	Matoaca Elementary School
Location	Petersburg, VA
Cost	\$25,354,737
Completion Date	2020
Relevant Features	New Construction, Elementary School, 92,802 SF
Awards	
PROJECT NAME	Henry L. Marsh, III Elementary School
Location	Richmond, VA
Cost	\$40,100,000
Completion Date	2020
Relevant Features	New Construction, Elementary School, 99,967 SF
Awards	LEED Certification in Progress

MJT | M/E/P ENGINEER | EXPERIENCE

PROJECT NAME	Cardinal Elementary School
Location	Richmond, VA
Cost	\$42,000,000
Completion Date	2020
Relevant Features	New Construction, Elementary School, 118,901 SF, w/S.B. Ballard Construction Co.
Awards	LEED Certification in Progress
PROJECT NAME	River City Middle School
Location	Richmond, VA
Cost	\$63,900,000
Completion Date	2020
Relevant Features	New Construction, Middle School, 183,759 SF
Awards	LEED Certification in Progress
PROJECT NAME	Thoroughgood Elementary School
Location	Virginia Beach, VA
Cost	\$33,500,000
Completion Date	2020
Relevant Features	New Construction, Elementary School, 91,913 SF, Net Zero Ready Facility
Awards	LEED Certification in progress
PROJECT NAME	Old Hundred Elementary School
Location	Midlothian, VA
Cost	\$25,597,188
Completion Date	2019
Relevant Features	New Construction, Elementary School, 99,921 SF
Awards	
PROJECT NAME	Camp Allen Elementary School
Location	Norfolk, VA
Cost	\$27,323,094
Completion Date	2019
Relevant Features	New Construction, Elementary School, 97,492 SF, w/S.B. Ballard Construction Co.
Awards	LEED Silver Certified
PROJECT NAME	Beulah Elementary School
Location	Richmond, VA
Cost	\$29,700,000
Completion Date	2018
Relevant Features	New Construction, Elementary School, 99,921 SF
Awards	
PROJECT NAME	Col. Fred Cherry Middle School
Location	Suffolk, VA
Cost	\$25,502,502
Completion Date	2018
Relevant Features	New Construction, Middle School, 125,220 SF
Awards	
PROJECT NAME	Florence Bowser Elementary School
Location	Suffolk, VA
Cost	\$21,236,880
Completion Date	2018
Relevant Features	New Construction, Elementary School, 114,881 SF
Awards	

MJT | M/E/P ENGINEER | EXPERIENCE

PROJECT NAME	James Blair Middle School
Location	Williamsburg, VA
Cost	\$26,000,000
Completion Date	2018
Relevant Features	New Construction, Middle School, 109,045 SF
Awards	
PROJECT NAME	Larchmont Elementary School
Location	Norfolk, VA
Cost	\$22,540,322
Completion Date	2017
Relevant Features	New Construction, Elementary School, 92,958 SF, w/S.B. Ballard Construction Co.
Awards	LEED Certification in Progress
PROJECT NAME	Ocean View Elementary School
Location	Norfolk, VA
Cost	\$22,046,536
Completion Date	2017
Relevant Features	New Construction, Elementary School, 92,350 SF, w/S.B. Ballard Construction Co.
Awards	LEED Certification in Progress
PROJECT NAME	Old Donation School
Location	Virginia Beach, VA
Cost	\$50,700,000
Completion Date	2017
Relevant Features	New Construction, Middle School, 225,785 SF
Awards	LEED Gold Certified
PROJECT NAME	Southside STEM Academy at Campostella
Location	Norfolk, VA
Cost	\$34,330,162
Completion Date	2016
Relevant Features	New Construction, Elementary School, 181,849 SF, w/S.B. Ballard Construction Co.
Awards	LEED Certification in Progress
PROJECT NAME	Richard Bowling Elementary School
Location	Norfolk, VA
Cost	\$22,157,980
Completion Date	2016
Relevant Features	New Construction, Elementary School, 110,923 SF, w/S.B. Ballard Construction Co.
Awards	LEED Certification in Progress
PROJECT NAME	Page Middle School
Location	Gloucester, VA
Cost	\$26,000,000
Completion Date	2015
Relevant Features	New Construction, Middle School, 118,237 SF
Awards	
PROJECT NAME	Kellam High School
Location	Virginia Beach, VA
Cost	\$78,000,000
Completion Date	2014
Relevant Features	New Construction, High School, 336,000 SF, w/ S.B. Ballard Construction Co.
Awards	LEED Silver Certification, 2015 Project of Distinction A4LE, 2015 Best Secondary School Design A4LE, 2014 Gold Design Award VSBA, 2015 Merit Award AIA Hampton Roads Chapter, 2015 Merit Award VA ASLA, 2014 Award of Excellence HRACRE, 2014 Honor Award City of Virginia Beach Planning Commission

MJT | M/E/P ENGINEER - RESUMES

Please see the following pages for the MJT Team:

- Mechanical Engineering Quality Assurance Manager Kevin Allen
- Project Manager | Electrical Engineering Quality Assurance Manager Kenzie Cambar



MJT | M/E/P ENGINEER | RESUMES



Kevin Allen, P.E., LEED AP

Principal-In-Charge,
Mechanical Engineering Quality Assurance Manager

EDUCATION

B.S. Mechanical
Engineering, Old Dominion
University, 1988

EXPERIENCE

35 years
32 years with Thompson
Consulting Engineers

**REGISTRATION AND
CERTIFICATION**

Professional Engineer
VA #0402023349
NC #050305
MD #55721
GA #044256

MEMBERSHIPS

American Society of
Heating, Refrigeration and
Air-conditioning Engineers
(ASHRAE)

U.S. Green Building Council

AIA Virginia – Allied
Member

Kevin is the President and Chief Executive Officer of Thompson Consulting Engineers. With 35 years of experience (32 with the firm), his expertise covers all phases of mechanical consulting engineering, including design, energy analysis, life cycle costing, problem-solving and report preparation. He is accustomed to a wide variety of project types, including educational facilities, central plants, and office buildings. He is highly skilled in the analysis of indoor air quality issues, investigative and remedial engineering, and HVAC system commissioning. Kevin serves as Principal-In-Charge on select projects, supervises the firm's mechanical engineering staff, and coordinates the firm's business development efforts. He is also responsible for the quality control of all the firm's mechanical and plumbing design documents, specifications, and standards.

RELEVANT EXPERIENCE

Five New Elementary Schools, Norfolk, VA (PPEA)

Design for five new elementary school for Norfolk Public Schools. These schools were designed and constructed under a PPEA with S.B. Ballard Construction Company. The most recently completed facility, Camp Allen Elementary School, achieved a LEED Silver Certification.

Princess Anne Middle School, Virginia Beach, VA

New 250,000 SF replacement school designed for 1,500 students in 6th through 8th grade. The facility features a highly efficient HVAC system, including water source heat pump coupled to 728 geothermal wells. 2,600 roof-mounted solar panels will supply over 50% of the school's energy needs. Estimated completion in 2021. LEED Certification is in progress.

Old Donation School, Virginia Beach, VA

New 225,000 SF school dedicated to students gifted in academics and the arts. ODS is home to 1,375 students in 2nd through 8th grade. The facility features a highly efficient geothermal water cooled variable refrigerant flow (VRF) system with 440 wells, and LED lighting with daylighting controls. The building is LEED Gold Certified.

Cardinal Elementary School, Richmond, VA

New 118,901 SF facility designed to accommodate 1,000 students. The school features 21st century technology, education, and safety amenities. S.B. Ballard Construction Company served as General Contractor for this project.

MJT | M/E/P ENGINEER | RESUMES

**Kenzie Cambar, P.E., LEED AP**

Project Manager,
Electrical Engineering Quality Assurance Manager

Kenzie is the Executive Vice President of Thompson Consulting Engineers. He has 32 years of experience (31 with the firm) in electrical consulting engineering. His areas of expertise include power distribution, emergency power and generators, lightning protection, interior and exterior lighting and lighting control, energy calculations, photovoltaic solar design, voice and data networking systems, intrusion detection, access control, CCTV, and IP video surveillance systems for new building construction, as well as renovations. He is also well-versed in project management from conceptual design to construction services. Kenzie serves as Principal-In-Charge of select projects, supervises the firm's electrical staff, and is responsible for the quality control of all the firm's electrical design documents, specifications, and standards.

EDUCATION

B.S. Electrical Engineering,
Old Dominion University,
1989

EXPERIENCE

32 years
31 years with Thompson
Consulting Engineers

**REGISTRATION AND
CERTIFICATION**

Professional Engineer
VA #0402049752
NC #045829
MD #55774
GA #043799

MEMBERSHIPS

U.S. Green Building Council

RELEVANT EXPERIENCE**Five New Elementary Schools, Norfolk, VA (PPEA)**

Design for five new elementary school for Norfolk Public Schools. These schools were designed and constructed under a PPEA with S.B. Ballard Construction Company. The most recently completed school, Camp Allen Elementary School, achieved a LEED Silver Certification.

Thoroughgood Elementary School, Virginia Beach, VA

New 92,000 SF replacement school designed for 725 learners in pre-K through 5th grade. This 21st century educational facility features a highly efficient geothermal HVAC system and rainwater collection system. LEED certification is in progress.

Kellam High School, Virginia Beach, VA

New 336,000 SF replacement school designed for 2,000 learners in 9th through 12th grade. The facility features a highly efficient geothermal heat pump system utilizing 680 wells and is LEED Silver Certified. S.B. Ballard Construction Company served as General Contractor for this project.

James Blair Middle School, Williamsburg, VA

New 109,045 SF middle school designed to accommodate 900 students. The facility's 21st century learning design features include a collaboration hub, moveable lockers and furniture, collapsible glass walls, and moveable barriers for flexible lesson spaces.

Two New High Schools, Wise County, VA

Design for Central and Union High Schools for Wise County Public Schools. These schools were designed and constructed under a PPEA with S.B. Ballard Construction Company.



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TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
GER

GEOENVIRONMENTAL RESOURCES, INC.

Consulting Engineers

GeoEnvironmental Resources, Inc (GER) | HAZARDOUS MATERIALS SERVICES

GeoEnvironmental Resources, Inc. is a multi-disciplined, small business consulting engineering firm located in Virginia Beach, Virginia. We specialize in geotechnical, environmental, hazardous materials, and industrial services, indoor air quality and groundwater resources. Our principals bring together nearly 100 years of engineering experience in both technical and managerial roles. We are experienced in dealing with complex domestic and international projects. Our staff has worked on well over 7,000 projects from which to draw experience to apply to this project.

FIRM ROLE

We will provide technical and engineering services to support the following activities for each school project:

- Phase I Environmental Site Assessments (ESAs)
- The inspection, bulk sampling and laboratory analysis required to identify suspect hazardous materials associated with the existing school buildings and portables. This will include asbestos-containing materials (ACM), lead based paint (LBP), lead containing paint, PCBs, and mercury containing components
- Preparation of hazardous material design documents such as Basis of Design (BOD), technical specifications for the management of the various hazardous materials and design drawings.
- Construction administration services such as submittal review and attending pre-construction meetings associated with hazardous material disturbance.

K-12 RELEVANT EXPERIENCE

- John B. Dey Elementary School – Current Modernization
- Princess Anne Elementary School – Current Replacement
- Thoroughgood Elementary School – Current Replacement
- Virginia Beach Elementary School – Replacement
- Landstown Middle School & Elementary School – Roof and HVAC Replacement
- Holland Road Elementary School – Make-up Air Unit Replacement
- First Colonial High School – Auditorium Repairs
- Kempsville High School – Food Lab, HVAC upgrade, Stadium Lighting Replacement

LOCAL EXPERIENCE

Additionally we have worked on various projects in the City of Virginia Beach including the following:

- Oceana Naval Air Station, Virginia Beach, VA
- New Virginia Beach Middle School, Virginia Beach, VA
- Dam Neck Annex, Virginia Beach, VA
- Lesner Bridge Replacement, Virginia Beach, VA

Small Business
Consulting
Engineering Firm

GER has completed:

28

Years in Business in
Virginia Beach, VA

200+

Projects in Hampton
Roads

+16

New Schools in
Hampton Roads

GER | HAZARDOUS MATERIALS SERVICES | EXPERIENCE

We have served in the past as the prime consultant for the following IDIQ contracts:

- Asbestos and Lead Paint Sampling, Norfolk District, US Army Corps of Engineers
- Geotechnical Engineering Services, Atlantic Division, Naval Facilities Engineering Command
- Asbestos and Lead Paint Sampling, DPW, NAVFAC Mid-Atlantic
- Environmental Services, City of Virginia Beach Public Works
- UST Management Contract, City of Virginia Beach Public Works
- Environmental Services, City of Portsmouth, VA
- UST Management Contract, Virginia Beach City Public Schools

We have specific experience identifying, assessing and sampling hazardous materials in soil, soil gas, water and air. Our professionals are familiar with sampling procedures and protocols as necessary to ensure quality assurance/quality control objectives are met. We have performed hazardous materials surveys and designs to support underground storage tank closures, Brownfield renovations, remediation compliance, building renovations/demolitions, etc. We are experienced with the characterization of waste disposal, including toxicity characterization leaching procedure (TCLP) as required to satisfy typical solid waste disposal regulations.

QUALITY ASSURANCE / QUALITY CONTROL

The majority of our revenue comes from repeat business with our core client base and from referrals to new customers by our current clients. This speaks volumes in terms of our technical competency and ability to meet client schedules and budgets. We have long-term business relationships with various A/E firms doing business with the federal government as well as direct business relationships with federal and local government agencies.

We perform internal quality assurance and quality control review on all services for technical accuracy and coordination of environmental, planning, design and engineering services. Our company president, Mr. Nelson Adcock, P.E., was an integral member of the quality assurance and design team at Norfolk Naval Shipyard in their nuclear division. He has over 35 year's experience in quality assurance and environmental compliance fields.

Our internal QA/QC program includes a thorough review by at least two staff members for accuracy of field and laboratory test procedures, test results, calculations and reports. Reports that include design recommendations require review by a senior level professional engineer to ensure a technically competent product. Cost control is another important facet of our past performance record. Our professional experience enables us to establish realistic project budgets and complete our services within those budgets.

COMMITMENT TO SMALL BUSINESS

We are certified as a small business in the Commonwealth of Virginia; our Small, Women and Minority (SWaM) certification # is 9548. We also use SWaM and disadvantaged businesses in our daily work where possible. This includes subconsultants such as Universal Laboratories (SWAM #A654), Circa Cultural Resources Management (SWaM #64807 type W) and Engineering and Testing Consultants, Inc. (SWaM #239), each 100% Woman-Owned businesses. In addition, we have worked closely on other projects with MBE firms, such as Rice & Associates and Alpha Corporation in Northern Virginia. As a small business, we understand the needs of other small business and especially disadvantaged business when competing for environmental engineering services.

GER | HAZARDOUS MATERIALS SERVICES | EXPERIENCE**SUSTAINABLE DESIGN**

We have participated in several successful sustainable design projects through our work with local and federal government entities. These projects are LEED projects which reduce negative impacts on the environment, while improving the health and comfort of building occupants. A recent notable project is the Renaissance Academy in Virginia Beach, VA. The project was constructed to achieve a LEED Silver rating, one of less than 100 schools in the U.S. to have a LEED rating. The project included the use of geothermal and solar energy use as well as cisterns to collect rainwater for toilet flushing and a green roof.

GER | HAZARDOUS MATERIALS SERVICES – RESUMES**H. NELSON ADCOCK, Jr., P.E.**

President | Environmental Engineer

Mr. H. Nelson Adcock, Jr., P.E., has a bachelor's degree in mechanical engineering from Virginia Tech. Licensed as a Professional Engineer in Virginia, he also maintains licensure as an Asbestos Inspector and Project Designer in Virginia and as a Virginia Lead Project Designer. With a total of 37 years of professional experience, Mr. Adcock founded the firm 25 years ago and is also experienced with industrial and manufacturing facilities throughout the United States. He currently manages several contracts and several staff in the practice areas of hazardous materials, indoor air quality, petroleum storage

EDUCATION

Bachelor of Science, Virginia
Polytechnic and State University
Risk Assessments for Environmental
Professionals
Contaminant Fate and Transport Using
API Decision Support Software
Visual MODFLOW, NGWA Course on
USGS's MODFLOW, MODPATH, and
MT3D
Asbestos Inspector Training Course - Old
Dominion University
Groundwater Pollution and Hydrology -
Princeton University
Senior Executive Course
- Manchester University, Manchester,
England

EXPERIENCE

40 Years

REGISTRATION

Virginia Professional Engineer
Virginia Asbestos Inspector
Virginia Asbestos Project Designer
Virginia Lead Project Designer

**PROFESSIONAL
AFFILIATIONS**

Member of the American Society of
Engineers, National Society of
Professional Engineers

Virginia Society of Engineers American
Nuclear Society

American Society of Naval Engineers

RELEVANT EXPERIENCE

- Princess Anne Middle School, Virginia Beach, VA
- John B. Dey Elementary School, Virginia Beach, VA
- Ocean View Elementary School, Norfolk, VA
- Campostella Elementary School, Norfolk, VA
- Virginia Beach Middle School, Virginia Beach, VA



TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
GET Solutions



GET Solutions, Inc., a Terracon Company (GET) | GEOTECHNICAL ENGINEER

GET Solutions, Inc. (GET) is a full service Geotechnical, Environmental and Testing firm with in-house drilling capabilities and certified soils and concrete testing laboratories. GET Solutions, Inc. is a small business for federal work and SWaM-certified (#656305) for state/municipal work. In addition, GET is certified to perform Special Inspections testing services in accordance with the requirements of ASTM E-329. Our offices are located in Virginia Beach and Williamsburg, Virginia and Elizabeth City and Jacksonville, North Carolina. GET Solutions, Inc. formed its corporation in June, 2000.

STAFF

Our staffing levels consist of:

- Nine licensed professional engineers
- Two licensed professional geologists
- Six project engineers/project managers
- One staff geologist
- One environmental manager
- One environmental scientist
- Six certified welding inspectors (CWI)
- 31 ACI certified technicians (includes EIFS, VDOT, Steel, and Post-tensioning certified staff)
- 15 drillers
- 12 laboratory technicians
- 12 office personnel

EXPERIENCE

GET Solutions, Inc. has performed geotechnical investigation services, soil borings, environmental services, and construction materials testing services for Virginia Beach Public Schools since 2003. As we are a local firm, we have extensive knowledge of the hydrology and soils of Virginia Beach and we are familiar with the rules, regulations, and procedures of the School System as well as the City of Virginia Beach

LOCAL EXPERIENCE

GET Solutions, Inc. has worked on hundreds of projects throughout Virginia and North Carolina. Our project experience with Virginia Beach City Public Schools includes the following:

- Alanton Elementary School BMP Retro Fit, Virginia Beach, Virginia
- Bayside High School Football Stadium Lighting, Virginia Beach, Virginia
- Birdneck Elementary School Bus Loop, Virginia Beach, Virginia

GEOTECHNICAL
SOLUTIONS



\$50+

Projects with VBCPS

230+

K-12 Projects in
Virginia and North
Carolina

05

Design-Build Projects
with SBCC

09

Professional
Engineers

GET | GEOTECHNICAL ENGINEER | EXPERIENCE

- Brandon Middle School Renovation, Virginia Beach, Virginia
- Brookwood Elementary School, Virginia Beach, Virginia
- Corporate Landing Middle School Atrium Modifications, Virginia Beach, Virginia
- Courthouse Academy Addition, Virginia Beach, Virginia
- Cox High School Bleachers and Press Box, Virginia Beach, Virginia
- First Colonial High School Stadium Lighting, Virginia Beach, Virginia
- Glenwood Bus Station, Virginia Beach, Virginia
- Glenwood Middle School Generator Replacement, Virginia Beach, Virginia
- Great Neck Middle School Replacement Facility Feasibility Study, Virginia Beach, Virginia
- Great Neck Middle School Replacement Facility, Virginia Beach, Virginia
- Green Run Elementary School Addition, Virginia Beach, Virginia
- Green Run High School Improvements, Virginia Beach, Virginia
- Independence Middle School Gymnasium Floor Replacement, Virginia Beach, Virginia
- Indian Lakes Elementary School Renovations, Virginia Beach, Virginia
- John B. Dey Elementary School, Virginia Beach, Virginia
- Kellam High School Baseball Field, Virginia Beach, Virginia
- Kellam High School Stadium Lighting, Virginia Beach, Virginia
- Kempsville High School Hitting/Pitching Facility, Virginia Beach, Virginia
- Kempsville High School Tennis Courts and Stadium Lighting, Virginia Beach, Virginia
- Kings Grant Elementary Addition, Virginia Beach, Virginia
- Lake Taylor Middle School Pavement Improvements, Virginia Beach, Virginia
- Landstown High School Light Base Coring, Virginia Beach, Virginia
- Landstown High School Stadium Light Poles, Virginia Beach, Virginia
- Larkspur Middle School Atrium Modifications, Virginia Beach, Virginia
- Larrymore Elementary School Elevator Addition, Virginia Beach, Virginia
- Lightbridge Academy, Virginia Beach, Virginia
- Ocean Lakes Elementary School Pump House, Virginia Beach, Virginia
- Ocean Lakes High School Rain Garden, Virginia Beach, Virginia
- Ocean Lakes HVAC Renovation, Virginia Beach, Virginia
- Old Donation Center/Kemps Landing Feasibility – Jericho Road Site and Honeygrove Road Site, Virginia Beach, Virginia
- Parkway Elementary School Pump House, Virginia Beach, Virginia
- Pembroke Meadows Elementary School, Virginia Beach, Virginia
- Point O' View Elementary School, Virginia Beach, Virginia
- Princess Anne High School Stadium Lighting, Virginia Beach, Virginia
- Princess Anne High School Tennis Court Lights, Virginia Beach, Virginia
- Princess Anne High School, Virginia Beach, Virginia
- Princess Anne Middle School Renovations, Virginia Beach, Virginia
- Pupil Transportation Services Maintenance Facility, Virginia Beach City Public Schools, Virginia Beach, VA
- Renaissance Adult Learning Center Overflow Parking Lot, Virginia Beach, Virginia
- Rosement Elementary School, Virginia Beach, Virginia
- Salem Elementary School Cooling Tower Replacement, Virginia Beach, Virginia
- Salem High School Stadium Light Poles, Virginia Beach, Virginia
- Salem Middle School Pump Station, Virginia Beach, Virginia
- School Plant Storage Facility, Corporate Landing, Virginia Beach City Public Schools, Virginia Beach, Virginia
- Thoroughgood Elementary School, Virginia Beach, Virginia
- Transportation Maintenance Facility, Glenwood Site, Virginia Beach, Virginia
- Transportation Maintenance Facility, Oceana Site, Virginia Beach, Virginia
- White Oaks Elementary School Renovations, Virginia Beach, Virginia
- Windsor Woods Elementary School, Virginia Beach, Virginia

GET | GEOTECHNICAL ENGINEER – RESUMES



D. MARK SCHOLEFIELD, P.E.

Principal Geotechnical Engineer

Mr. Scholefield's 27 years of experience includes subsurface investigations, site characterization studies and geotechnical engineering analysis for a multitude of small to large scale projects. These include shallow and deep foundation design, settlement analyses, slope stability analyses, pavement design (AASHTO), soil liquefaction, seismic site investigation and forensic evaluation of horizontal and vertical structures. His experience also includes testing of soil and concrete, lime/cement stabilization, subgrade improvements, vibration monitoring, subgrade and foundation soil inspection and test pile programs.

EDUCATION

B.S. Civil Engineering Old Dominion University, 1993

Continuing Education, Old Dominion University 1998, 2002

Continuing Education, Tidewater Community College, 1994

EXPERIENCE

27 Years

REGISTRATION AND CERTIFICATION

Basic Dynamic Measurement Analysis Proficiency and CAPWAP (PDCA)

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE)

National Society of Professional Engineers (NSPE)

American Society of Highway Engineers (ASHE)

RELEVANT EXPERIENCE

- Thoroughgood Elementary School, Virginia Beach, Virginia
- BF Williams Elementary School Exterior Wall Repair, Virginia Beach, Virginia
- Birdneck Elementary School Bus Loop, Virginia Beach, Virginia
- Brandon Middle School Tennis Court, Virginia Beach, Virginia
- Cox High School Bleachers and Press Box, Virginia Beach, Virginia
- Georgie D. Tyler Middle School Renovations, Virginia Beach, Virginia
- Glenwood Elementary School, Virginia Beach, Virginia
- Great Neck Middle School Replacement Facility, Virginia Beach, Virginia
- Green Run Elementary School Addition, Virginia Beach, Virginia
- Green Run High School Baseball Field Lighting, Virginia Beach, Virginia
- Green Run High School Collegiate CIP Improvements, Virginia Beach, Virginia
- Indian Lakes Elementary School Renovation, Virginia Beach, Virginia
- Kellam High School Stadium Lighting, Virginia Beach, Virginia
- Kempsville High School Entrepreneurial and Business Academy, Virginia Beach, Virginia
- Kempsville High School Hitting/Pitching Facility, Virginia Beach, Virginia
- Kings Grant Elementary Addition, Virginia Beach, Virginia
- Landstown High School Repairs, Virginia Beach, Virginia
- Landstown Elementary & Middle Schools HVAC & Roof Replacement, Virginia Beach, Virginia
- Landstown High School Stadium Light Repairs, Virginia Beach, Virginia
- Luxford Elementary School, Virginia Beach, Virginia
- Old Donation Center/Kemps Landing Feasibility Studies, Virginia Beach, Virginia
- Pembroke Elementary School Bioretention Basins, Virginia Beach, Virginia
- Pembroke Meadows Elementary School, Virginia Beach, Virginia
- Salem Elementary School Cooling Tower Replacement, Virginia Beach, Virginia
- Tallwood High School HVAC Replacement, Virginia Beach, Virginia
- Transportation Maintenance Facility, Glenwood and Oceana Sites, Virginia Beach, Virginia
- Windsor Woods Elementary School, Virginia Beach, Virginia

GET | GEOTECHNICAL ENGINEER – RESUMES**Maria Murdock, P.E.**

Senior Geotechnical Engineer

Ms. Murdock has performed subsurface investigations, site characterizations and geotechnical engineering analyses of over 850 projects. Her experience includes design of shallow and deep foundation systems; pavement design; settlement analysis; soil liquefaction analysis; seismic site classification; and global stability analysis of natural embankments and MSE walls. She reviews the scope of work; organizes field work and laboratory testing; performs geotechnical engineering analyses of subsurface soils as they relate to projects; and writes the geotechnical report.

RELEVANT EXPERIENCE

- Bayside Elementary School Roof Replacement, Virginia Beach, Virginia
- Birdneck Elementary School- Replace Gym Rooftop Units, Virginia Beach, Virginia
- Glenwood Elementary School, Virginia Beach, Virginia
- Great Neck Middle School, Virginia Beach, Virginia
- Green Run High School Artificial Turf, Virginia Beach, Virginia
- Kempsville Landing Middle Preliminary Geotechnical Report, Virginia Beach, Virginia
- Kempsville Landing Middle/Old Donation School Pavement Evaluation, Virginia Beach, Virginia
- Lynnhaven Middle School Achievable Dream Addition, Virginia Beach, Virginia
- Kingston Lake Dam Stability Analysis, Virginia Beach, Virginia
- Old Donation Center and Kemps Landing Magnet School Replacement, Virginia Beach, Virginia
- Old Donation Center Pavement Evaluation, Virginia Beach, Virginia
- Old Donation Center Site Study, Virginia Beach, Virginia
- Pembroke Elementary School Bioretention Basins, Virginia Beach, Virginia
- Pembroke Elementary School Renovation, Virginia Beach, Virginia
- Princess Anne Middle School, Virginia Beach, Virginia

EDUCATION

M.S. Civil Engineering,
Clemson University, 1994

B.S. Civil Engineering,
Clemson University, 1992

**REGISTRATION AND
CERTIFICATION**

Basic Dynamic Measurement
Analysis Proficiency and
CAPWAP (PDCA)

**PROFESSIONAL
AFFILIATIONS**

American Society of Highway
Engineers (ASHE), President
(2016-2017)

American Society of Civil
Engineers (ASCE)

Women in Transportation
(WTS)

Adjunct Professor, Old
Dominion University



TAB 1 | QUALIFICATIONS AND EXPERIENCE

b. Experience:
The Miles Agency



The Miles Agency | PUBLIC RELATIONS FIRM

**100%
Minority &
Woman
Owned**

The The Miles Agency, established in 1989, is a niche marketing and public relations firm based in Virginia Beach, Virginia. We are 100% minority- and woman-owned and SWaM-certified. We are arguably the oldest minority PR firm in the region. We specialize in creating and developing programs through advertising, public and community relations, and promotions that communicate specific messages to target groups (niches) in the marketplace. We use research methods to help develop a marketing strategy or plan customized to our clients' needs. We use such methods as focus groups, SWOT Analysis, telephone and in-person interviews, surveys or group discussions. Our specialties are community outreach and multicultural marketing. We develop public engagement plans to help our clients maintain open communications and transparency for their projects or studies. We have successfully worked with such clients as HRPDC, VDOT, Rivers Casino Portsmouth, Cox Communications, the cities of Chesapeake, Virginia Beach, Norfolk, Portsmouth, Richmond, Newport News as well as the United States Navy, Norfolk Public Schools, Fort Monroe Authority, Hampton Roads Transit, Coca-Cola, Pizza Hut, Virginia Power, Norfolk State University, Old Dominion University, Hampton University to name a few.

Among our recent community engagement projects, we manage the community engagement of the Sea Level Rise/Recurrent Flooding Analysis. Our approach integrally involves client staff, elected officials, key stakeholders, area residents, and the public. This process includes intense interactive work during open houses, community presentations and the City's social media platforms. Additionally, we are the communications and public affairs task leads on the \$3.8 billion Hampton Roads Bridge-Tunnel Expansion Project. We developed the project logo and the comprehensive communications plan. We are helping with social media content, newsletters, website content and community outreach presentations.

We work in the virtual environment during COVID-19 challenges. We have and continue to conduct virtual town halls, stakeholder interviews, interactive workshops and presentations using various videoconference platforms, e.g., Zoom, Microsoft Teams, GoToMeeting, Webex, etc. We coordinate communications among multiple and diverse stakeholders – regulatory agencies, military, civic, business, education, environmental, maritime, etc.

We pride ourselves on closely collaborating and engaging the community. Our practice of hiring youth from those communities that the project impacts has proven to be a huge success. It also gives us another perspective from the young citizens of that community.



We work with our client and the project's stakeholders to review and customize the process to meet their needs most effectively and those of the project to engage and educate the community through the planning process. The goal is to create a plan embedded in the local conditions that represented a consensus of project stakeholders, and established ownership by the community to ensure effective implementation of the plan.

THE MILES AGENCY | PUBLIC RELATIONS FIRM | RESUMES

EDUCATION

Regent University, Virginia
Beach, VA
Master of Arts,
Communication
August 2014

Stanford University, Stanford,
CA
Bachelor of Arts, Psychology
June 1983

Northwestern University,
Evanston, IL
Kellogg Graduate School of
Management Advanced
Management Executive
Program, November 1998

Dartmouth College, Hanover,
NH
Amos Tuck School of
Business, Minority Business
Executive Program
July 2000

Recipient, Full Academic
Scholarship, Stanford
University, 1979-83

Recipient, Morrison
Scholarship, 1979-83

EXPERIENCE

32 Years

DELCENO MILES

President | CEO

Ms. Miles has over 30 years of experience in public relations and projects involving complex community coordination. Ms. Miles is very involved with the Hampton Roads Community and has assisted with community outreach and coordination for many public agency projects throughout the region.

RELEVANT EXPERIENCE

Five New Elementary Schools, Norfolk, VA (PPEA)

Coordinated and facilitated 10 public meetings in 45 days for the PPEA process to rebuild 5 new schools. Formed steering committees for each of the schools and developed informational flyers. Also developed online surveys for those unable to attend the public meetings. Reached over 1000 stakeholders.

Norfolk – Virginia Beach Joint Land Use Study (JLUS) Hampton Roads Planning District Commission, Chesapeake, VA. Leading the public engagement strategy that includes crafting a written and robust engagement plan, public meetings, stakeholder interviews, HRPDC social media platforms and project webpage, Technical Committee and Policy Committee, military CPLOs, etc.

City of Virginia Beach Sea Level Rise and Recurring Flooding Study, Virginia Beach, VA. Led the public engagement strategy that includes public meetings, City Council briefings, interactive workshops, community events to encourage broad public input.

Norfolk Multimodal Transportation Master Plan, Norfolk, VA. Providing public engagement support for this holistic look at the City's transportation system and develop a Multimodal Transportation Master Plan to address the City's future transportation needs. Tools being used are public workshops, a Multimodal Advisory Committee with a cross-section of community stakeholders, public meetings, workshops, and the city's social media platforms and website.



TAB 1 | QUALIFICATIONS AND EXPERIENCE

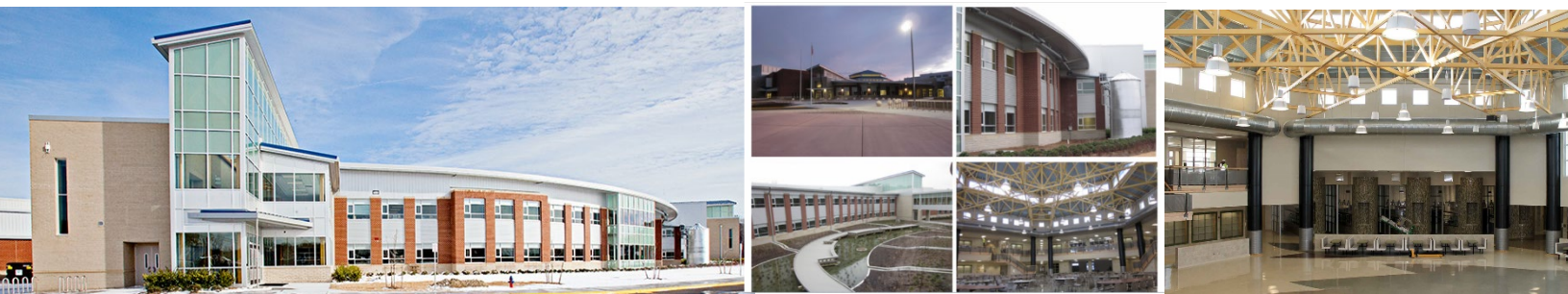
c. Prior Projects

c. Prior Projects

For each firm or major subcontractor that will be utilized in the project, provide a statement listing the firm's prior projects and clients for the past 3 years and contact information for same (name, address, telephone number, e-mail address). If a firm has worked on more than ten (10) projects during this period, it may limit its prior project list to ten (10) but shall first include all projects similar in scope and size to the proposed project and, second, it shall include as many of its most recent projects as possible. Each firm or major subcontractor shall be required to submit all performance evaluation reports or other documents, which are in its possession evaluating the firm's performance during the preceding three years in terms of cost, quality, schedule maintenance, claims, change orders, lawsuits, safety and other matters relevant to the successful project development, operation, and completion.

OUR EXPERIENCE BY THE NUMBERS

SBCC's ability to complete this project successfully, derives from our team's knowledge, experience working together, and commitment. Our collective knowledge of the Design-Build delivery method, our successful completion record, and our experience with the City of Virginia Beach offers a value-add proposition that is unmatched.



Please see the following pages for each firm's list of Prior Projects and Clients for the Past 3 Years.

SBBCC				
	PROJECT	DETAILS	CLIENT	CONTACT
1	J.R. Tucker High School	Henrico County, VA 279,899 SF \$94,840,513 Anticipated Completion 2022	The County School Board of Henrico County Henrico County Public Schools Department of Facilities (Owner's Rep) 406 Dabbs House Road Henrico VA 23223	Michelle Loveland 804.652.3588 mlloveland@henrico.k12.va.us Nicole Olivencia 804.652.3895 nlolivencia@henrico.k12.va.us
2	Cardinal Elementary School	Richmond, VA 118,901 SF \$37,691,476 Completion 2021	City of Richmond 900 East Broad St., Rm 602 Richmond VA 23219	Michael McIntyre, VP PMCM Market Sector Leader AECOM (Owner Rep) 804.646.6312 michael.mcintyre@aecom.com
3	Eastern Virginia Medical School Waitzer Hall	Norfolk, VA 280,617 SF \$67,006,416 Completion 2020	EVMS 825 Fairfax Ave Norfolk, VA 23520	Doug Martin 757.446.5035 martinsd@evms.edu
4	James Madison University Atlantic Union Bank Center & East Campus Parking Garage	Harrisonburg, VA Arena 229,686 SF Garage 457,584 SF \$115,638,228 Completion 2020	James Madison University Room 202J, MSC 7008 Harrisonburg, VA 22807	Glenn Wayland 757.568.6345 waylangr@jmu.edu
5	Camp Allen Elementary	Norfolk, VA 97,492 SF \$27,323,094 Completion 2019	City of Norfolk 810 Union St Norfolk, VA 23510	Randy Thomson, Sr. Construction Project Mngr., Dept. of Public Works, Design/Construction Bureau 757.664.6402 randy.thomson@norfolk.gov
6	Norfolk State University Residence Complex	Norfolk, VA 193,572 SF \$52,282,481 Completion 2019	Norfolk State University 700 Park Avenue Norfolk, VA 23504	Terry Woodhouse Dir. Capital Planning & Improvement 757.823.9077 twoodhouse@nsu.edu
7	Old Dominion University Reconstruction of S.B. Ballard Stadium	Norfolk, VA 224,670 SF \$59,718,834 Completion 2019	Old Dominion University 5115 Hampton Blvd Norfolk VA 23529	Dave Robichaud 757.683.5682 drobicha@odu.edu
8	P-603 Maritime Surveillance System Facility	Virginia Beach, VA 31,787 SF \$23,912,756 Completion 2019	NAVFAC MID ATLANTIC Hampton Roads IPT 9324 Virginia Ave Norfolk, VA 23511	John Trueblood 757.433.2661
9	Virginia Beach Housing Resource Center	Virginia Beach, VA 63,475 SF \$18,247,818 Completion 2018	The City of Virginia Beach Municipal Center, Bldg 8 2565 Glebe Road Virginia Beach, VA 23456	Timothy M. Oliver, R.A. Bldg Construction Project Mgr. City of Virginia Beach; Department of Public Works 757.385.1841 toliver@vbgov.com
10	Virginia National Guard Headquarters	Richmond, VA 101,588 SF \$28,500,496 Completion 2018	Virginia Department of Military Affairs Building 316, Fort Pickett Blackstone, VA 23824	Derrick Hall 434.298.6232

HBA

	PROJECT	DETAILS	CLIENT	CONTACT
1	John B. Dey Elementary School Modernization	Virginia Beach, VA 64,737 SF Renovations 42,321 SF Additions \$23,015,099 Completion 2020	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
2	Virginia Beach City Public School Annual Services Term Contract	Virginia Beach, VA Various SF Various costs Ongoing	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
3	Kempsville High School – Partial Roof Replacement	Virginia Beach, VA 152,623 SF \$6,105,162 Completion 2020	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
4	Salem High School – Make Up Air Unit Replacements	Virginia Beach, VA N/A \$1,885,293 Completion 2019	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
5	SOAR365 Multi-Purpose Facility	Chesterfield County, VA 9,985 SF \$4,119,986 Completion 2019	SOAR365 3600 Saunders Ave Richmond, VA 23227	John Walker President and CEO John.Walker@richmondarc.org 804.35801874
6	Lafayette High School Auxiliary Gym	Williamsburg, VA 10,857 SF (new building) \$2,311,114 Completion 2018	Williamsburg- James City County Public Schools P.O. Box 8783 Williamsburg, VA 23187	Marcellus Snipes Senior Director for Operations marcellus.snipes@wjccschools.org 757.565.3838
7	Salem MS Roof & Partial Rooftop HVAC Replacement	Virginia Beach, VA 174,189 SF \$2,610,648 Completion 2018	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
8	21st Century Learning Environment Improvements for 18 school libraries	Virginia Beach, VA 70,000 SF Renovation \$1,600,000 Completion 2018	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
9	Kempsville HS Entrepreneurial & Business Academy Renovations & Locker Replacement	Virginia Beach, VA 10,000 SF Renovation \$1,506,751 Completion 2018	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
10	Dinwiddie County News Government Facilities	Dinwiddie, VA 78,000 SF \$24,000,000 Completion 2018	Dinwiddie County 14010 Boydton Plank Rd Dinwiddie, VA 23841	Kevin Massengill Dinwiddie County Administrator kmassengill@dinwiddieva.us 804.469.4500

RRMM

	PROJECT	DETAILS	CLIENT	CONTACT
1	Robert E. Aylor Middle School	Frederick County, VA 148,000 SF \$48,700,000 Anticipated Completion 2021	Frederick County Public Schools 191 East St Frederick, Maryland 21701	Wayne Lee Coordinator of Planning & Development Frederick County Public Schools 540.662.3889 leew@fcpsk12.net
2	Princess Anne Middle School	Virginia Beach, VA 250,000 SF \$77,900,000 Anticipated Completion 2021	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
3	Cardinal Elementary School	Richmond, VA 118,901 SF \$37,691,476 Completion 2021	City of Richmond 900 East Broad St., Rm 602 Richmond VA 23219	Michael McIntyre, VP PMCM Market Sector Leader AECOM (Owner Rep) 804.646.6312 michael.mcintyre@aecom.com
4	Pulaski Middle School	Pulaski County, VA 126,658 SF \$47,000,000 Completion 2020	Pulaski County Public Schools 202 N Washington Ave Pulaski, VA 24301	Ron Nichols Director of Operations Pulaski County Public Schools 540.994.2533 rnichols@pcva.us
5	River City Middle School	Richmond, VA 182,000 SF \$55,400,000 Completion 2020	Richmond Public Schools 100 W Baker St Richmond, VA 23220	Michael McIntyre AECOM (Owner's Rep) 804.515.8300 michael.mcintyre@aecom.com
6	Manchester Middle School	Chesterfield County, VA 135,000 SF \$40,500,000 Completion 2020	Chesterfield County Public Schools 9900 Krause Rd Chesterfield, VA 23832	Dr. Merv Daughtery Superintendent Chesterfield County PS 804.748.1434 merv_daughtery@ccpsnet.net
7	Camp Allen Elementary	Norfolk, VA 97,492 SF \$27,323,094 Completion 2019	City of Norfolk 810 Union St Norfolk, VA 23510	Sid Kitterman 757.664-4643 sid.kitterman@norfolk.gov
8	Eastern Virginia Medical School Waitzer Hall	Norfolk, VA 280,617 SF \$67,006,416 Completion 2020	EVMS 825 Fairfax Ave Norfolk, VA 23520	Doug Martin 757.446.5035 martinsd@evms.edu
9	Meadow View Elementary School	Henry County, VA 95,000 SF \$21,000,000 Completion 2018	Henry County Public Schools 3300 Kings Mountain Rd Admin Bldg 3rd Fl Collinsville, VA 24078	Keith Scott 276.666.2404 kascott@henry.k12.va.us
10	Colonel Fred Cherry Middle School	Suffolk, VA 125,200 SF \$25,500,000 Completion 2018	Suffolk Public Schools 100 N Main St Suffolk, VA 23432	Terry Napier Dir. of Facilities & Planning Suffolk Public Schools 757.934.6206 ternapier@spsk12.net

LIVAS

	PROJECT	DETAILS	CLIENT	CONTACT
1	Camp Allen Elementary	Norfolk, VA 97,492 SF \$27,323,094 Completion 2019	City of Norfolk 810 Union St Norfolk, VA 23510	Sid Kitterman 757.664.4643 sid.kitterman@norfolk.gov
2	Cardinal Elementary School	Richmond, VA 118,901 SF \$37,691,476 Completion 2021	City of Richmond 900 East Broad St., Rm 602 Richmond VA 23219	Michael McIntyre, VP PMCM Market Sector Leader AECOM (Owner Rep) 804.646.6312 michael.mcintyre@aecom.com
3	River City Middle School	Richmond, VA 182,000 SF \$55,400,000 Completion 2020	Richmond Public Schools 100 W Baker St Richmond, VA 23220	Michael McIntyre AECOM (Owner's Rep) 804.515.8300 michael.mcintyre@aecom.com
4	Henry L. Marsh Elementary	Richmond, VA \$40,000,000 Completion 2020	Richmond Public Schools 100 W Baker St Richmond, VA 23220	Michael McIntyre, VP PMCM Market Sector Leader AECOM (Owner Rep) 804.646.6312 michael.mcintyre@aecom.com

KIMLEY-HORN

	PROJECT	DETAILS	CLIENT	CONTACT
1	Camp Allen Elementary	Richmond, VA 118,901 SF \$37,691,476 Completion 2021	City of Norfolk 810 Union St Norfolk, VA 23510	Sid Kitterman 757.664.4643 sid.kitterman@norfolk.gov
2	Princess Anne Middle School	Virginia Beach, VA 250,000 SF \$77,900,000 Anticipated Completion 2021	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
3	Thoroughgood Elementary School	Virginia Beach, VA 91,913 SF \$33,500,000 2020	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
4	John B. Dey Elementary School Modernization	Virginia Beach, VA 64,737 SF Renovations 42,321 SF Additions \$23,015,099 Completion 2020	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090

TIMMONS				
	PROJECT	DETAILS	CLIENT	CONTACT
1	J.R. Tucker High School	Henrico County, VA 279,899 SF \$94,840,513 Anticipated Completion 2022	Henrico County Public Schools, 3820 Nine Mile Road, Henrico, VA 23223	Pat Murphy, pkmurphy@henrico.k12.va.us, 804-652-3600
2	Highland Springs High School	Henrico, VA 2,000 students 265,101 sf \$92,702,203 August 2021	Henrico County Public Schools, 3820 Nine Mile Road, Henrico, VA 23223	Pat Murphy, pkmurphy@henrico.k12.va.us, 804-652-3600
3	Manchester Middle School	Chesterfield County, VA 1,100 Students 139,000 sf May 2020	Chesterfield County Public Schools, 9900 Krause Road, Chesterfield, VA 23832	Josh Davis, josh_davis@ccpsnet.net, 804-748-1589
4	Cardinal Elementary School	Richmond, VA 118,901 SF \$37,691,476 Completion 2021	City of Richmond, Chief Capital Projects Manager	Robert Stone, robert.stone@richmondgov.com, 804-646-8557
5	Henry March Elementary School	Richmond, VA 750 students 103,218 sf August 2020	City of Richmond, Chief Capital Projects Manager	Robert Stone, robert.stone@richmondgov.com, 804-646-8557
6	New Kent Elementary School	New Kent County, VA 750 Students 95,850 sf \$31,500,000 September 2022	New Kent County Public Schools, 12007 Courthouse Circle, New Kent, VA 23124	Rodney Hathaway, rahathaway@newkent-va.us, 804-996-9653
7	Crestwood Elementary School	Chesterfield County, VA 750 Students 95,990 sf \$24,397,000 May 2021	Chesterfield County Public Schools, 9900 Krause Road, Chesterfield, VA 23832	Josh Davis, josh_davis@ccpsnet.net, 804-748-1589
8	Reams Elementary School	Chesterfield County, VA 750 Students 95,990 sf \$25,585,000 May 2021	Chesterfield County Public Schools, 9900 Krause Road, Chesterfield, VA 23832	Josh Davis, josh_davis@ccpsnet.net, 804-748-1589
9	Matoaca Elementary School	Chesterfield County, VA 750 Students 92,802 sf \$25,354,737	Chesterfield County Public Schools, 9900 Krause Road, Chesterfield, VA 23832	Josh Davis, josh_davis@ccpsnet.net, 804-748-1589
10	Walton Elementary School	Prince George County, VA 97,040 sf August 2022	Prince George County Public Schools, 6602 Courts Drive, Prince George, VA 23875	Lisa Pennycuff, lpennycuff@pgs.k12.va.us, 804-722-8678

VHB

	PROJECT	DETAILS	CLIENT	CONTACT
1	Frank W. Cox High School Falcon Plaza	Virginia Beach, VA >1 acre 2019	Virginia Beach City Public Schools 2512 George Mason Drive, Virginia Beach, VA	Michael Kelly 757.648.5250 Michael.Kelly@vbschools.com
2	Williamsburg/ James City County Public Schools Engineering Services	James City County, VA Varies by task Varies by task Ongoing	Williamsburg-James City County Public Schools 117 Ironbound Road, Williamsburg, VA 23185	Jim Falzone 757.272.6772 James.falzone@wjccschools.org
3	NCDOT Municipal and School Transportation Assistance (MSTA) Program Support	Statewide, NC Varies by task Varies by task Ongoing	North Carolina Department of Transportation (NCDOT) MSTA 1561 Mail Service Center, Raleigh, NC 27699-1561	Kimberly Hinton 919.814.5055 kdhinton@ncdot.gov
4	River City Middle School	Richmond, VA 1,500 students 183,759 sf \$64.5 million 2020	City of Richmond Public Schools 301 North Ninth Street, Richmond, VA 23219	Jeff Harris RRMM Architects 757.622.2828 jaharris@rrmm.com



WPL				
	PROJECT	DETAILS	CLIENT	CONTACT
1	Chesapeake Bay Foundation's Brock Environmental Center Classroom Addition	Virginia Beach, VA 1600 SF Not disclosed 2021	Chesapeake Bay Foundation 3663 Marlin Bay Drive Virginia Beach, 23455	Chris Gorri Brock Environmental Center Manager 757.644.4110 cgorri@cbf.org
2	Camp Allen Elementary School	Norfolk, VA 97,492 SF \$27,323,094	City of Norfolk 810 Union St Norfolk, VA 23510	Randy Thomson, Sr. Construction Project Mgr. Dept. of Public Works, Design & Construction Bureau 757.664.6402 Randy.thomson@norfolk.gov
3	Princess Anne Middle School	Virginia Beach, VA 257,784 SF \$77,900,000 Anticipated Completion 2021	Virginia Beach City Public Schools 2512 George Mason Drive PO Box 6038 Virginia Beach, VA	Anthony Arnold, PE Facilities, Planning and Construction Director VBCPS 757.263.1090 aarnold@vbschool.com
4	Thoroughgood Elementary School	Virginia Beach, VA 91,913 SF \$33,500,000 million 2020	Virginia Beach City Public Schools 2512 George Mason Drive PO Box 6038 Virginia Beach, VA	Anthony Arnold, PE Facilities, Planning and Construction Director VBCPS 757.263.1090 aarnold@vbschool.com
5	John B. Dey Elementary School	Virginia Beach, VA 64,737 SF Renovations 42,321 SF Additions \$23,015,099 Completion 2020	Virginia Beach City Public Schools 2512 George Mason Drive PO Box 6038 Virginia Beach, VA	Anthony Arnold, PE Facilities, Planning and Construction Director VBCPS 757.263.1090 aarnold@vbschool.com
6	Virginia Beach Friends School Master Plan Update	Virginia Beach, VA 12 acres TBD In-Progress	Virginia Beach Friends School 1537 Laskin Road Virginia Beach, VA 23451	Michael Barclay Head of School Virginia Beach Friends School 757.428.7534 mike@vbfschool.org
7	Seatack Elementary School Urban Garden	Virginia Beach, VA ½ acre \$100,000 2019	Virginia Beach City Public Schools 2512 George Mason Drive PO Box 6038 Virginia Beach, VA	Tim Cole Sustainability Officer VBCPS 757.263.1090 John.cole@vbschools.com

SMF				
	PROJECT	DETAILS	CLIENT	CONTACT
1	Princess Anne Middle School	Virginia Beach, VA 250,000 SF \$77,900,000 Anticipated Completion 2021	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
2	Colonel Fred Cherry Middle School	Suffolk, VA 125,200 SF \$25,500,000 Completion 2018	Suffolk, VA 125,200 SF \$25,500,000 Completion 2018	Terry Napier Dir. of Facilities & Planning Suffolk Public Schools 757.934.6206 ternapier@spsk12.net
3	Camp Allen Elementary	Norfolk, VA 97,492 SF \$27,323,094 Completion 2019	City of Norfolk 810 Union St Norfolk, VA 23510	Randy Thomson, Sr. Construction Project Mgr. Dept. of Public Works, Design & Construction Bureau 757.664.6402 Randy.thomson@norfolk.gov
4	Thoroughgood Elementary School	Virginia Beach, VA 91,913 SF \$33,500,000 2020	Virginia Beach City Public Schools 1568 Corporate Landing Pkwy., Suite 200, Virginia Beach, VA 23454 (757) 263-1090	Anthony Arnold Anthony Arnold, P.E., Executive Director-Office of Facilities Services, tony.arnold@vbschools.com
5	Culpeper CTE High School	Culpeper, VA 52,000 SF \$17,300,000 2020	Culpeper County Public Schools 450 Radio Lane Culpeper, VA 22701 (540) 825-3677	Doug Robson Director of Facility Services wrobson@ccpsweb.org
6	Elkhardt-Thompson Middle School	Richmond, VA 190,000 SF \$50,000,000 2020	Richmond Public Schools 301 North 9th Street Richmond, VA 23219	Alana Gonzalez Chief Operating Officer 804.780.7710 agonzalez@rvaschools.net
7	West Point Elementary School	West Point, NY 94,552 SF \$58,360,000 2019	US Army Corps of Engineers / Department of Defense Education Activity	Unknown
8	John B. Dey Elementary School Modernization	Virginia Beach, VA 64,737 SF Renovations 42,321 SF Additions \$23,015,099 Completion 2020	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090

LYNCH MYKINS

	PROJECT	DETAILS	CLIENT	CONTACT
1	Harrisonburg New High School	Harrisonburg, VA 257,800 SF \$60,000,000	Grimm & Parker Architects 11720 Beltsville Drive, Suite 600 Calverton, MD 20705	Paul Klee 703.839.7514 pklee@gparch.com
2	Elementary School E-52, Wake County Public Schools	Holly Springs, NC 134,000 SF \$41,800,000	Wake County Public Schools 5625 Dillard Drive, Cary, NC 27518	Unknown Yet.
3	New Charlotte- Mecklenburg High School	Charlotte, NC 300,000 SF \$94,000,000	Charlotte Mecklenburg Public Schools Government Center 600 E. Fourth Street Fifth Floor Charlotte, NC 28202	Mike Higgins 980-343-3000 Mike.higgins@cms.k12.nc.us
4	West Millbrook Middle School	Raleigh, NC 214,000 SF \$63,000,000	Wake County Public Schools 5625 Dillard Drive, Cary, NC 27518	Jason Phelan 919-588-3589 jphelan@wcpss.net
5	George Mason Elementary School	Richmond, VA 107,000 SF \$21,000,000	RRMM Architects 1317 Executive Blvd., Suite 200 Chesapeake, VA 23320	Jack Clark 757-622-2828 jclark@rrmm.com
6	Crestwood Elementary School	Chesterfield, VA 81,000 SF \$24,000,000	RRMM Architects 1317 Executive Blvd., Suite 200 Chesapeake, VA 23320	Duane Harver 757.622.2828 dharver@rrmm.com



MJT

	PROJECT	DETAILS	CLIENT	CONTACT
1	Princess Anne Middle School	Virginia Beach, VA 250,000 SF \$79,000,000 Anticipated Completion 2021	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
2	Thoroughgood Elementary School	Virginia Beach, VA 91,913 SF \$33,500,000 Completion 2020	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
3	Camp Allen Elementary	Norfolk, VA 97,492 SF \$27,323,094 Completion 2019	City of Norfolk 810 Union St Norfolk, VA 23510	Randy Thomson, Sr. Construction Project Mgr. Dept. of Public Works, Design & Construction Bureau 757.664.6402 Randy.thomson@norfolk.gov
4	James Blair Middle School	Williamsburg, VA 109,045 SF \$26,000,000 Completion 2018	Williamsburg/James City County Public Schools 597 Jolly Pond Road Williamsburg, VA 23188	James Falzone FacilitieManagement Coordinator 757.259.7157 james.falzone@wjccschools.org
5	Manchester Middle School	Chesterfield County, VA 1,100 Students 139,000 sf May 2020	Chesterfield County Public Schools 9800 Krause Rd Chesterfield, VA 23832	Josh Davis Chief Operations Officer 804.748.1050
6	Cardinal Elementary School	Richmond, VA 118,901 SF \$37,691,476 Completion 2021	Richmond Public Schools 301 N Ninth St Richmond, VA 23219	Travis Wolf Project Manager 540.244.2517 travis.wolf@aecom.com
7	Henry L. Marsh, III Elementary School	Richmond, VA \$40,000,000 Completion 2020	Richmond Public Schools 301 N Ninth St Richmond, VA 23219	Travis Wolf Project Manager 540.244.2517 travis.wolf@aecom.com
8	River City Middle School	Richmond, VA 182,000 SF \$55,400,000 Completion 2020	Richmond Public Schools 301 N Ninth St Richmond, VA 23219	Travis Wolf Project Manager 540.244.2517 travis.wolf@aecom.com
9	Col. Fred Cherry Middle School	Suffolk, VA 125,200 SF \$25,500,000 Completion 2018	Suffolk Public Schools 100 N Main St Suffolk, VA 23434	F. Terry Napier Director of Facilities & Planning 757.927.6750 freddienapier@spsk12.net
10	Florence Bowser Elementary School	Suffolk, VA 114,881 SF \$21,236,880	Suffolk Public Schools 100 N Main St Suffolk, VA 23434	F. Terry Napier Director of Facilities & Planning 757.927.6750

GER

	PROJECT	DETAILS	CLIENT	CONTACT
1	John B. Dey Elementary School Modernization	Virginia Beach, VA 64,737 SF Renovations 42,321 SF Additions \$23,015,099 Completion 2020	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
2	Thoroughgood Elementary School	Virginia Beach, VA 91,913 SF \$33,500,000 Completion 2020	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090

GET

	PROJECT	DETAILS	CLIENT	CONTACT
1	Thoroughgood Elementary School	Virginia Beach, VA 91,913 SF \$33,500,000 Completion 2020	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
2	Kempsville HS Entrepreneurial & Business Academy Renovations & Locker Replacement	Virginia Beach, VA 10,000 SF Renovation \$1,506,751 Completion 2018	City of Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach, VA 23456	Anthony Arnold, PE Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090





TAB 1 | QUALIFICATIONS AND EXPERIENCE

h. DGS Form 30- 168

h. DGS Form 30- 168

For each firm or major subcontractor that will perform construction and/or design activities, provide an accurately completed Commonwealth of Virginia Department of General Services (DGS) Form 30-168.

Please see the attached DGS Form 30- 168 for:

- SBBCC #259
- HBA #301
- RRMM #325



"I have worked with a number of construction companies over the last several years and have personally been involved in the construction of several schools during my career. Without question, S. B. Ballard Construction is the best construction company that I have worked with in my thirty-two years of public school service."

- Dr. Jeff Perry
Former Superintendent, Wise County Public Schools
Superintendent, Hamblen County Public Schools



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TAB 1 | QUALIFICATIONS AND EXPERIENCE

h. DGS Form 30- 168:
SBBCC

SBBCC DESIGN-BUILD CONTRACTOR

DGS-30-168
(Rev. 08/20)

CO-16

CONTRACTOR'S STATEMENT OF QUALIFICATIONS

I. General Information

- Submitted to: **Virginia Beach City Public Schools**
Address: **2512 George Mason Dr., Virginia Beach, Virginia 23456**

- Name of Project: **Virginia Beach City Public Schools PPEA**

Project Code Number:

- Type of work you wish to qualify for: **Design-Builder**

- Contractor's Name: **S.B. Ballard Construction Company**

Mailing Address: **2828 Shipps Corner Road**
Virginia Beach, Virginia 23453

Street Address: (If not the same as mailing address)

Web site: **www.sbballard.com**

Telephone Number: **757.440.5555**

Contact Person: **Jason Armstrong**

Contact Person's Phone Number: **757.689.5430**

State Contractor's License Number: **04-344-9701**

Designated Employee Registered with the Virginia Board for Contractors:
Stephen B. Ballard

Provide the name and title, direct telephone number (including extension), pager number, cellular telephone number and direct e-mail address of the highest ranking individual within the organization that will have oversight responsibility for the organization's involvement with the Project (if not the designated contact person above):

Highest Ranking Individual:	Stephen B. Ballard, Owner/President
Direct Telephone Number:	757.440.5555
Cellular Telephone Number:	757.647.5555
Direct E-mail Address:	steve@sbballard.com

If different from the location provided above, provide the organization's local or regional office information (including physical address, mailing address, telephone number, facsimile number and main e-mail address or web site address) to be used in delivering the requested services to be provided on the Project:

SBBCC has an Office in Richmond, Virginia which can be used as a resource and assist our Virginia Beach, Headquarters with delivering this project as needed.

Provide the number of years that the organization has been providing services similar to those requested by this RFQ, including a delineation of this information for both the headquarters location and the local or regional office (as appropriate) that will be used in delivering the requested services on the Project.

SBBCC has been providing Construction Services (Design-Build/General Contracting) for 43 years from our headquarters in Virginia Beach, VA and for 8 years out of our Richmond, VA office.

5. Check type of organization:

Corporation ☒ Partnership _____
Individual _____ Joint Venture _____
Other (describe) _____

If the Proposal is being made by a legal joint venture, the response must include the information required within this section of the CO16 for both organizations that constitute the joint venture and a copy of the joint venture agreement must be attached.

N/A

6. If a corporation –

State of Incorporation: **Virginia**

Date of Incorporation: **April 1, 1992**

Federal I.D. #: **54-1624392**

<u>Officers</u>	<u>Name</u>	<u>Years in Position</u>
President	Stephen B. Ballard 757.689.5437 steve@sbballard.com	43
Chief Financial Officer	Ann Mason 757.689.5404 amason@sbballard.com	19
Vice President	Jason Armstrong 757.270.8353 jarmstrong@sbballard.com	4
	Wayne Barrett 757.739.4683 wayne@sbballard.com	21

	Tim Patterson 757.617.5357 tpatterson@sbballard.com	10
	Mark Payne 757.689.5442 mpayne@sbballard.com	21
	Darrell Polokonis 757.739.4151 dpolokonis@sbballard.com	10
Secretary	Stephen Ballard Jr. 757.440.5555 sbjr2@sbballard.com	10
Treasurer	N/A	
Office Manager	Candy Hennig	17

Are you a Subchapter S Corporation? **Yes** No

7. If a partnership –

Date organized **N/A**
Type of partnership: **N/A**
List of General Partners: **N/A**

Name Phone # Years as G.P.

8. If individually owned - Years in Business: **N/A**

9. Have you ever operated under another name? **Yes** No

If yes –

Other name: **S.B. Ballard Inc.**
Number of years in business under this name: **24**
State license number under this name: **2701021793A**

10. Department of Small Business and Supplier Diversity (DSBSD) Certifications:

Check all that apply:


Micro Business _____	DSBSD Certification No.: _____
Small Business X _____	DSBSD Certification No.: 724450
Small Woman Owned Business _____	DSBSD Certification No.: _____
Small Minority Owned Business _____	DSBSD Certification No.: _____
Service Disabled Veteran Owned Business _____	DSBSD Certification No.: _____

EXPIRES ON
07-31-2022

COMMONWEALTH of VIRGINIA
 Department of Professional and Occupational Regulation
 9960 Mayland Drive, Suite 400, Richmond, VA 23233
 Telephone: (804) 367-8500

NUMBER
2705012287

BOARD FOR CONTRACTORS
CLASS A CONTRACTOR
***CLASSIFICATIONS* CBC H/H RBC**



S B BALLARD CONSTRUCTION COMPANY
 2828 SHIPPS CORNER ROAD
 VIRGINIA BEACH, VA 23453



Status can be verified at <http://www.dpor.virginia.gov>


Mary Broz-Vaughan, Director

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)



COMMONWEALTH of VIRGINIA
 Department of Professional and Occupational Regulation
CLASS A BOARD FOR CONTRACTORS
CONTRACTOR

***CLASSIFICATIONS* CBC H/H RBC**
NUMBER: 2705012287 EXPIRES: 07-31-2022

S B BALLARD CONSTRUCTION COMPANY
 2828 SHIPPS CORNER ROAD
 VIRGINIA BEACH, VA 23453



Status can be verified at <http://www.dpor.virginia.gov>

(FOLD)

VOID

DPOR-PC (02/2017)

II. Bonding

Provide a letter from your surety company listing your organization's current single Project and total Projects bonding capacity, including such information for the local or regional office that will be used in delivering the services to be provided on the Project (if the local or regional office is separately bonded); attach this letter to the Form CO-16. For projects that are applying for bonding under the Self-Bonding Program, contact Owner for submission requirements.

- Bonding Company's name: **Hampton Roads Bonding**
 Address: **1080 Laskin Road, Suite 204**
Virginia Beach, Virginia 23451

Representative (Attorney-in-fact): **Devon C. Heath**

- Is the Bonding Company listed on the United States Department of the Treasury list of acceptable surety corporations?
 Yes ☒ No ☐
- Is the Bonding Company licensed to transact surety business in the Commonwealth of Virginia?
 Yes ☒ No ☐

BONDING LETTER

May 19, 2021

Anthony Arnold
Executive Director, Facilities Services,
1568 Corporate Landing Parkway, Suite 200,
Virginia Beach, VA 23454

Re: S. B. Ballard Construction Company
Unsolicited Proposal for Virginia Beach City Public Schools PPEA

Dear Mr. Arnold,

Hampton Roads Bonding has the privilege of providing surety bonds for S. B. Ballard Construction Company. This account is written through Liberty Mutual Insurance Company, a Massachusetts corporation, licensed to transact business in the Commonwealth of Virginia. Liberty has an A.M. Best rating of "A" with a financial size category of XV and listed in U.S. Treasury Circular 570.

During our relationship with S. B. Ballard Construction Company, we have observed their outstanding performance and consider them to be among our most valued surety clients. Accordingly, Liberty Mutual Insurance Company is willing to support single projects of \$250,000,000 within a \$500,000,000 aggregate program. In our opinion, the company is properly equipped, capably staffed and well financed.

We appreciate having the opportunity to share with you our experience with this fine company and urge you to give them every consideration on the project.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. C. Heath".

Devon C. Heath
Attorney-In-Fact

4. Describe the capacity the organization has to meet the project schedule and demands. Include an analysis of current workload.

S.B. Ballard Construction Company's ability to complete this project successfully, derives from our team's knowledge, experience, and commitment. Our collective knowledge of the design-build PPEA delivery method and our experience with K-12 projects, successfully completed early or on-time, and within budget, makes us the ideal candidate to partner with VBCPS on the **Schools for the Future** project.

Our current workload will not have any impact on this project and we commit that our proposed team, on-site and home office, will be available to perform their respective roles.

PRESENT COMMITMENT	COMPLETION DATE	ORGANIZATION
Virginia National Guard Readiness Center – 91st Cyber Brigade Fort Belvoir, Virginia	June 2021	The Dept. of Military Affairs E. Scott Newcomb 434.298.6458
Science Museum of Virginia Parking Deck Richmond, Virginia	October 2021	Department of General Services Ralph Olberg 804.786.5028
ESH Greene (Cardinal) Elementary School Richmond, Virginia	July 2021	City of Richmond AECOM (Owner Representative) 804.646.6312
Aircraft Maintenance Instructional Building Fort Eustis, Virginia	June 2021	US Army Corp of Engineers Brad Atkins 757.878.1382
J.R. Tucker High School Henrico, Virginia	Phase 1 August 2021 Phase 2 June 2022	The County School Board of Henrico County, Virginia Oscar Knott 804.501.5691 Dr. Nicole Olivencia, Ed.D. 804.652.3895
Broad Street Parking Garage Richmond, Virginia	June 2022	Commonwealth of Virginia Department of General Services Richmond, Virginia Chinh Vu 804.786.1410
Colonna's Shipyard, Building 7, Phase 4 Facility Expansion Norfolk, Virginia	February 2022	Colonna's Shipyard Norfolk, Virginia Mark Essert 757.545.2414
Radford University Hotel & Conference Center Radford, Virginia	December 2022	Preston Hollow Capital Ramiro Albarran 214.389.0811
Rivers Casino Portsmouth Portsmouth, Virginia	November 2022	Rush Street Gaming Joe Scibetta 312.800.5764

III. Judgements

In the last ten (10) years, has your organization, or any officer, director, partner or owner, had judgments entered against it or them for the breach of contracts for construction?

Yes ___ No ☒

If yes, on a separate attachment, state the person or entity against whom the judgment was entered, give the location and date of the judgment, describe the project involved, and explain the circumstances relating to the judgment, including the names, addresses and phone numbers of persons who might be contacted for additional information.

IV. Convictions and Debarment

If you answer yes to any of the following, on a separate attachment, state the person or entity against whom the conviction or debarment was entered, give the location and date of the conviction or debarment, describe the project involved, and explain the circumstances relating to the conviction or debarment, including the names, addresses and phone numbers of persons who might be contacted for additional information.

1. In the last ten (10) years, has your organization or any officer, director, partner, owner, project manager, procurement manager or chief financial officer of your organization:
 - a. ever been fined or adjudicated of having failed to abate a citation for building code violations by a court or local building code appeals board?
Yes ___ No ☒
 - b. ever been found guilty on charges relating to conflicts of interest?
Yes ___ No ☒
 - c. ever been convicted on criminal charges relating to contracting, construction, bidding, bid rigging or bribery?
Yes ___ No ☒
 - d. ever been convicted: (i) under Va. Code Section 2.2-4367 et seq. (Ethics in Public Contracting); (ii) under Va. Code Section 18.2-498.1 et seq. (Va. Governmental Frauds Act); (iii) under Va. Code Section 59.1-68.8 et seq. (Conspiracy to Rig Bids); (iv) of a criminal violation of Va. Code Section 40.1-49.4 (enforcement of occupational safety and health standards); or (v) of violating any substantially similar federal law or law of another state?
Yes ___ No ☒
 - e. ever been convicted on charges relating to employment of illegal aliens on construction projects?
Yes ___ No ☒

2.
 - a. Is your organization or any officer, director, partner or owner currently debarred or enjoined from doing federal, state or local government work for any reason?
Yes ___ No ☒
 - b. Has your organization or any officer, director, partner or owner ever been debarred or enjoined from doing federal, state or local government work for any reason?
Yes ___ No ☒

V. Compliance

If you answer yes to any of the following, on a separate attachment give the date of the termination order, or payment, describe the project involved, and explain the circumstances relating to same, including the names, addresses and phone numbers of persons who might be contacted for additional information.

1. Has your organization:
 - a. ever been terminated on a contract for cause?
Yes ___ No ☒
 - b. within the last five (5) years, made payment of actual and/or liquidated damages for failure to complete a project by the contracted date?
Yes ___ No ☒
2. Has your organization, in the last three (3) years, received a final order for willful and/or repeated violation(s) for failure to abate issued by the United States Occupational Safety and Health Administration or by the Virginia Department of Labor and Industry or any other government agency?
Yes ___ No ☒
3. Have any Performance or Payment Bond claims ever been paid by any surety on behalf of your organization?
Yes ___ No ☒
4. Has your organization been **more than thirty (30) days late, without good cause**, in achieving the contracted substantial completion date where there was no liquidated damages provision on more than two (2) projects in the last three (3) years?
Yes ___ No ☒
5. Has your organization **finally completed a project** more than ninety (90) days after achieving substantial completion on two (2) or more projects in the last three (3) years, for reasons within the contractor's control? Documented delay of delivery of material necessary to perform remaining work or seasonal conditions that bear on performing the work or operating specific equipment or building systems shall be considered in litigation.
Yes ___ No ☒

6. Has your organization **received more than two (2) cure notices** on a single project in the past two (2) years and/or more than one (1) cure notice on five (5) separate projects in the past five (5) years?

Yes ___ No ☒

7. Has your organization **had repeated instances** on a project of **installation and workmanship deviations which exceed the tolerances of the standards referenced** in the contract documents? Documentation of such instances shall be the written reports and records of the Owner's representatives on the project.

Yes ___ No ☒

IV. Experience

1. Attach a list of all projects, giving project name, location, size, dollar value, and completion date for each that your organization has **completed** in the last ten (10) years.

SBBCC COMPLETED PROJECTS

James Madison University Atlantic Union Bank Center & East Campus Parking Garage Harrisonburg, VA

Owner		Architect
James Madison University Room 202J, MSC 7008 Harrisonburg, VA 22807 Glenn Wayland 757.568.6345 waylangr@jmu.edu		Moseley Architects 780 Lynnhaven Parkway, Suite 200 Virginia Beach, VA 23452 Matthew Shirk 757.368.2800
Size	Dollar Value	Completion Date
Arena - 229,686 SF Arena Garage - 457,584 SF 1,591 Space Parking Deck	Arena - \$80,403,926 Garage \$35,234,302	Arena – December 2020 Garage – June 2019
<p>The Atlantic Union Bank Center seats 8,500 for basketball games, including various premium seating experiences never previously available for enjoying a JMU basketball game. It features state-of-the-art technology such as video boards, lighting and sound. The Atlantic Union Bank Center will play host to numerous other university and community events, such as commencement, concerts, trade shows and more, with floor seating for such events putting capacity at 10,000. The new facility provides the Harrisonburg – Rockingham County area a state-of-the-art venue for trade shows, concerts and other large gatherings.</p> <p>Features of the facility include a club area, courtside seating with a designated private courtside hospitality area, state-of-the-art lighting and audio/video technology including a center-hung scoreboard and upper concourse ribbon boards, a student club area, expanded concessions and restroom availability, a multipurpose group event space, a team store and an in-house restaurant.</p>		Project Features
		<ul style="list-style-type: none"> • Education Building & Sports Facility • Active Campus Tight Site • Parking Deck • Classroom Academic Success Space • Retractable Bleachers • Club Room Loge Seating Suites • Multipurpose Collaborative Space • Auxiliary Event Space • Modern Video Technology • Advanced Lighting & Sound • Event Production Room • Security Electronics • Restaurant & Concession Space • Commercial Kitchen • Retail Space • Practice Gymnasium • Strength & Conditioning Area • Sport Medicine Space • Storage & Infrastructure Space • Loading Bay • Offices & Ticket Operations Space • Working Media & Press Conference Space

**Loudoun County Metro Parking Structures
Dulles Corridor Metrorail Project
Stations 606 & 772**

Loudoun, VA

Owner		Architect
Loudoun County, Virginia 101 Blue Seal Drive, Suite 102 Leesburg VA 20177 Christopher Bresley 703.777.0394 christopher.bresley@loudoun.gov		Walter P. Moore 1747 Pennsylvania Ave NW, Suite 1050 Washington, DC 20006 Brett Busse 202.481.8706 bbusse@walterpmoore.com Commonwealth Architects 101 Shockoe Slip, 3rd Floor, Richmond, VA Lee Shadbolt 804. 648.5040 ext. 1106 lshadbolt@comarchs.com
Size	Dollar Value	Completion Date
1,106,784 Total SF 606 - 612,864 SF; 2022 spaces 772 - 493,920 SF; 1584 spaces	\$54,814,264	606 - 01/27/2020 772 - 12/17/2019
Gateway Station 606: 6-level parking, 612,864-sq.ft. structure with four (4) separate stair/elevator towers, and an elevated pedestrian walkway connecting level 3 with the elevated Station Pavilion Ashburn Station 772: 6-level, 493,920-sq.ft. parking structure with two (2) separate elevator towers		Project Features
		<ul style="list-style-type: none"> Elevator / Stair Towers Pedestrian Walkway Signage LED Lighting Multiple stories Curtainwall and storefront exteriors Dewatering Architectural Precast Cast-in-Place

Norfolk State University Residence Facility

Norfolk, VA

Owner		Architect
Norfolk State University 700 Park Avenue Norfolk, VA 23504 Terry Woodhouse 757.823.8440 twoodhouse@nsu.edu		Commonwealth Architects 101 Shockoe Slip, 3rd Floor, Richmond, VA Lee Shadbolt 804.648.5040 ext. 1106 lshadbolt@comarchs.com Niles Bolton Associates 300 N Lee St #502 Alexandria, VA 22314 Ken Ramsey 404.365.7600 kramsey@nilesbolton.com
Size	Dollar Value	Completion Date
193,572 SF	\$52,282,481	07/30/2019
The four-story Residential Facility features a North and South Hall with a central two-story amenity space, and includes 193,424 square feet and 740 beds for students. The amenity space, which connects the two residential wings, will house offices, conference room, resource production space, fitness room, movement/yoga studio, multipurpose room, group study space, community kitchen, theater, and an open gaming space. After reviewing the Norfolk State University Master Plan, Commonwealth Architects, S.B. Ballard Construction Company, and Niles Bolton Associates designed a facility that complements NSU's campus and architectural aesthetic. The exterior façade combines the university's standard red brick with fiber cement panels along with glass curtainwall and precast concrete accents for visual interest. Several areas of "green space" were added around the facility, as well as extensive pedestrian walkways.		Project Features
		<ul style="list-style-type: none"> Education Facility Active Campus Constrained / Tight Site Residence Hall(s) Collaborative Spaces Flexible Spaces Low Voltage Systems Sustainable Construction Green Space Community Space Conferences Rooms Resource Production Space Student Rec & Wellness Space Multipurpose Space Security Electronic Systems

Eastern Virginia Medical School
Education and Academic Administration Building & Parking Garage: Waitzer Hall
Norfolk, VA

Owner		Architect
Eastern Virginia Medical School (EVMS) 825 Fairfax Ave Norfolk, VA 2350 Doug Martin 757.446.5035 martinsd@evms.edu		RRMM Architects 1317 Executive Blvd Chesapeake, VA 23320 Dan Hickok (c) 757.213.6375 (o) 757.622.2828 dhickok@rrmm.com
Size	Dollar Value	Completion Date
280,617 SF	\$67,006,416	Phase 1 – September 2020 Phase 2 – November 2020
<p>This new academic center is a vital hub for the collaborative work that defines distinctive approach to medicine, and support the next generation of leadership and growth at EVMS. Waitzer Hall will expand capacity and consolidate existing spaces for teaching, study, student support and administrative workplaces. The building is intended to house the primary classroom spaces for first and second year Medical School and Medical Masters students, as well as additional space for growing programs of the School of Health Professions. The classrooms are designed to EVMS instructional standard of team-based learning (TBL). In lieu of a traditional lecture format, TBL is an active learning format that emphasizes collaborative student work in small groups of six to eight, to solve problems. In addition, students will have access to a variety of group and individual study spaces adjacent to these Classrooms. The building includes a 7-level parking deck.</p>		Project Features
		<ul style="list-style-type: none"> Education Facility Active Urban Campus Academic Spaces; Classrooms Admin Spaces / Faculty Offices Intensive IT and AV Equipment Sustainable Design and Construction Practices Logistical challenges associated with building on an active campus (vehicle / pedestrian traffic control, parking, student / staff / contractor safety, utility coordination, etc.) Minimal on-site parking, lay down, and storage area requiring just in time delivery of labor and materials

Technical Support Facility Fort Lee
Fort Lee, VA

Owner		Architect
US Army Corps of Engineers Area Engineer, CVAO 930 20th Street Fort Lee, VA 23801 Anthony J. Weaver, P.E. 804.734.4041		US Army Corps of Engineers Area Engineer, CVAO 930 20th Street Fort Lee, VA 23801 Anthony J. Weaver, P.E. 804.734.4041
Size	Dollar Value	Completion Date
120,214 SF	\$29,554,342	December 2019
<p>The Training Support Facility includes 120,214 square feet of climate-controlled high-bay Macro storage areas, classrooms, administrative areas, restrooms, arms and ammunition storage vaults, and consolidated entry and reception area. The Macro area was designed to house two large, heavy historic artillery cannons requiring specialized high tolerance concrete foundations and slabs with embedded rails. Coordination, scheduling, and sequencing of trades and work was important for site grading, slab on grade, and erection specifically to accommodate both "Anzio Annie" and Atomic Annie's" relocation to this facility as their installation was required prior to building wall and roof enclosure.</p>		Project Features
		<ul style="list-style-type: none"> Active Site Security Electronics Classrooms Administrative Spaces Historic Relics Specialized Foundations Site Development Extensive HVAC- Full Custom Engineered Chilled Water Air Handling Units Anti-terrorism & Force Protection

Norfolk Public Schools Modernization Project
Norfolk, VA

Owner		Architect
City of Norfolk 810 Union St Norfolk, VA 23510 Randy Thompson 757.664.4602 robert.thompson@norfolk.gov		RRMM Architects 1317 Executive Blvd Chesapeake, VA 23320 Duane Harver (o) 757.622.2828 (c) 757.477.1502 dharver@rrmm.com Waller, Todd & Sadler Architects 1909 Cypress Ave Virginia Beach, VA 23451 Maureen McElfresh 757.417.0140 msmcelfresh@wtsarch.com
Size	Dollar Value	Completion Date
Southside STEM Academy 181,489 Richard Bowling Elementary 101,060SF	Southside STEM Academy \$34,236,866 Richard Bowling Elementary \$21,492,469 Larchmont Elementary \$22,476,068	Southside STEM Academy - May 2016 Completed 70 days ahead of schedule

Larchmont Elementary	92,655 SF
Ocean View Elementary	92,286
Camp Allen Elementary	97,492
Total	564,982 SF

Ocean View Elementary	\$22,475,848
Camp Allen Elementary	\$27,323,094
Total	\$128,004,346

Richard Bowling Elementary - July 2016
Completed 14 days ahead of schedule
Larchmont Elementary - May 2017
Completed 85 Days ahead of schedule
Ocean View Elementary - July 2017
Completed 29 days ahead of schedule
Camp Allen Elementary - Oct. 2019

The SBBCC Design-Build Project Team was awarded the contract to build five (5) schools for the City of Norfolk, totaling 565,861 SF. This project involved the design and construction of these new facilities at five (5) different locations and demolition of the older existing facilities. The Project Team performed the work in overlapping phases which allowed all five schools to be completed in a 5 year span. All five (5) schools were completed on or ahead of schedule.

The Public-Private Partnership / Design-Build process provided the platform for the Project Team to engage the public in numerous community meetings throughout Norfolk, VA. The team held forums in each area's school zone to gather community input and discuss plans for each new school.

The City and School System saved millions of dollars in design, engineering, construction costs and FF&E costs through economies of scale for design and construction and bulk purchases of materials and equipment. This approach saved valuable time and money during the development of construction drawings.

Project Features

- Demolition & New construction
- 5 different locations encompassing a total of 94.5 Acres in Norfolk, VA
- 3 Wet Pond BMPs | 1 Dry Pond BMP
- Living Shoreline Restoration
- Wetland Mitigation
- + 10,000 LF of Storm Pipe Installed
- 117 Storm Structures Installed
- +3,800 LF of Sewer Pipe Installed
- 23 Sewer Structures Installed
- +6,200LF of Water Dist. Pipe Installed
- +40,000 Tons of Stone
- + 260,000 CYD of Dirt Moved
- 460,000 SF of Asphalt (10.55 Acres)
- +20,000 LF of Curb and Gutter
- +260,000 SF of Concrete Paving over 6 Acres
- Playgrounds
- Athletic Fields | Basketball Courts
- Outdoor Sport Lighting
- Parks / Walking Trails

Southside STEM Academy at Campostella K-8

Serving K-8 with Science, Technology, Engineering and Mathematics. The Southside STEM Academy at Campostella is a 1147 student, one to three story, K-8 school located on the previous site of Campostella Elementary School. The existing building and site amenities were demolished prior to the construction of the new facility.

The building is approximately 181,489 SF, consisting of a three-story academic wing, a two-story area with the Administration on the first floor and Media Center above, and a one-story wing consisting of a Cafeteria, K-5 Gym, Art Classrooms, Nature Classroom, Music classrooms, Main Gymnasium, Locker Rooms, Health classrooms, Kitchen and service rooms.

The new building was completed 70 days ahead of schedule. Site features include separate vehicular (parent drop-off area) and bus traffic entrances as well as clearly defined areas for neighborhood pedestrian traffic, a full-size football field and multi-use playfields, an outdoor classroom, and a building facade that blends into the surrounding community.

- Completed 70 days early
- Three Story Academic Wing
- Administration Area
- Media Center
- Cafeteria
- Art Classrooms
- Nature Classroom
- Music Classrooms
- Main Gymnasium Seating 200
- Flexible Bleachers
- K-5 Gym
- Locker Rooms
- Health Classrooms
- Kitchen
- Service Rooms
- Energy Star Certified

Richard Bowling Elementary

The new Richard Bowling Elementary School is a replacement facility for the aging elementary school located a few blocks away. The new 101,060 SF facility houses nearly 700 students in pre-kindergarten through 5th grade by incorporating spaces geared toward collaborative and project-based learning. It was completed two weeks ahead of schedule.

The design of the new school is organized around the International Baccalaureate School concept which emphasizes academic and personal rigor. The design includes a one-story common use area that houses programs universal to all grade levels, as well as a two-story learning community containing classrooms, small-group shared project rooms, art, science, computer and multi-purpose labs centered around a common central stairway. Site features include separate vehicular (parent drop-off area) and bus traffic entrances as well as clearly defined areas for neighborhood pedestrian traffic, a full-size football field and multi-use play fields, an outdoor classroom, and a building facade that blends into the surrounding community.

- Administration Area
- Media Center
- Cafeteria | Commercial Kitchen
- Art Classrooms | Nature Classroom | Music Classrooms | Health Classrooms
- Exterior Academic Courtyard
- Gymnasium seating 264 for student dining and 730 for a performance
- Locker Rooms
- Service Rooms
- Sustainable Design

Larchmont School

Larchmont School, a new two-story, Pre-K through 5th grade school, serves as the replacement for Larchmont Elementary School, which was located on the same site. The former building and site amenities stayed in operation during construction of the new facility, and were demolished and replaced upon completion.

The configuration of spaces is geared toward collaborative and project-based learning. The design of the new school includes a one-story common use area that houses the cafeteria, media center, gymnasium, and administration area, as well as a two-story learning community containing classrooms, small-group shared project rooms, art, science, computer and multi-purpose labs centered around a common central stairway. Grade levels are separated by floors and wings in the learning community area.

The building facade blends into the surrounding community and contains design features reminiscent of the existing 1920s era school building. Site features include separate vehicular (parent drop-off area) and bus traffic entrances as well as clearly defined areas for neighborhood pedestrian traffic, multi-use play fields and an outdoor classroom. The school is designed as a joint-use community facility which calls for separate entrances for the common use spaces and learning community area.

- Academic Wing
- Administration Area
- Media Center
- Cafeteria
- Art Classrooms
- Nature Classroom
- Music Classrooms
- Gymnasium
- Locker Rooms
- Health Classrooms
- Kitchen
- Service Rooms
- Sustainable Design

Ocean View Elementary

The existing Ocean View Elementary School was replaced with a new two-story, kindergarten through 5th grade facility on the same site. The former building and site amenities stayed in operation during construction of the new facility, and were demolished and replaced upon completion.

The design of the new school is characterized by a one-story common use area and a two-story learning communities area. The common use area houses programs that are universal to all grade levels such as the media center, physical education, cafeteria and gymnasium. The learning communities area consists of classrooms grouped together by grade level. The first floor houses kindergarten through 1st grade, while the second floor houses 3rd through 5th grade. Each grade level is further broken down into a grade level "house" that consists of general classrooms, small group breakout spaces, science and exploratory labs, prep rooms, storage rooms, and teacher workrooms.

- Academic Wing
- Administration Area
- Media Center
- Cafeteria
- Art Classrooms
- Nature Classroom
- Music Classrooms
- Gymnasium
- Locker Rooms
- Health Classrooms
- Kitchen
- Service Rooms
- Sustainable Design
- Green Ribbon School

Camp Allen Elementary

The existing Camp Allen Elementary School was demolished and replaced with a new two story Pre-K through 5th grade elementary school on the same site. Due to site and facility limitations, however, construction occurred on site while the facility was still in use. The construction zone and active school spaces were separated with a focus on minimizing disruptions to the learning environment. Construction and demolition occurred in two major phases. Phase 1 consisted of demolition of a portion of the existing building that consists of pre-engineered metal building addition, construction of about 80% of the new building, and site amenities on the northwest portion of the site. In Phase 2, the existing school was demolished and the remainder of the new building completed, along with remaining site work.

The new 571-student facility includes a two-story academic wing broken down by grade level. Adjacent classrooms share a group project room to allow breakout space for student collaboration. Academic programs common to all grade levels such as the cafeteria, gymnasium, and art and music classrooms, are housed in a one-story area that is easily accessible to all grades.

- Academic Wing
- Media Center
- Cafeteria Seating 240 Students
- Art Classrooms
- Music Classrooms
- Gymnasium Seating 600 people
- Kitchen
- Service Rooms
- LEED Silver

Old Dominion University Reconstruction of S.B. Ballard Stadium Norfolk, VA

Owner		Architect	
Old Dominion University 5115 Hampton Blvd Norfolk VA 23529 Dave Robichaud 757.683.5682 drobicha@odu.edu		Moseley Architects 780 Lynnhaven Parkway, Suite 200 Virginia Beach, VA 23452 Jeff Hyder 757.368.2800 jhyder@moseleyarchitects.com	
Size	Dollar Value	Completion Date	
224,670 SF	\$59,718,834	August 2019	
Completed within a nine-month timeframe, S.B. Ballard Stadium at Old Dominion University received a \$67 million facelift giving it enhanced seating and modern amenities. Demolition of a total of approximately 15,000 seats located within the east and west seating bowls of the existing football stadium and replacement with new east/west seating and a tower to be located behind the west seating bowl. The tower included coaches, press, premium seating, and other donor entertainment areas.			Project Features
The stadium features a brand new press box on the west side of the stadium along with 21 new restrooms, a state of the art sound system and new lighting. The design also added new entries to the stadium to help improve the flow of fans.			<ul style="list-style-type: none"> • Active Campus Tight Site • Multi-story • Security Electronics • 9 month schedule • Demolition to existing East and West stands • 24-hr a day operation

P-603 Maritime Surveillance System Facility Virginia Beach, VA

Owner		Architect	
NAVFAC MID ATLANTIC Hampton Roads IPT 9324 Virginia Ave, Norfolk, VA 23511 John Trueblood 757.433.2661		Burns & McDonnell 1305 Executive Blvd., Suite 160 Chesapeake, VA 23320 William Wills 757.403.4229 wwills@burnsmcd.com	
Size	Dollar Value	Completion Date	
11,400 SF New Construction + Renovation Total 31,787 SF	\$23,912,756	February 2019	
The high security P-603 project consisted of two new building additions to existing facilities which remained in full operational status and continuing to perform their mission without any unscheduled interruption throughout the construction period while maintaining redundancy of N+1 for critical support systems.			Project Features
			<ul style="list-style-type: none"> • Multi-Story • Active Military Base/Campus • New Parking Lot • Landscaping • Structural Steel Frame • Rib Blocked Exterior Wall System

One is a two story building, P-603, with a structural steel frame, split-face CMU / precast concrete exterior wall system, steel H-piles, micro piles, grade beam foundation, on-grade and elevated concrete slabs, pile supported concrete equipment pads and modified bitumen roofing system. The second building is a one-story Central Utility Plant (CUP) of similar construction which houses the mechanical and electrical equipment with the capacity to support the facility completely independent of public utilities. Construction was completed to meet LEED for New Construction 2009. The new facility includes NOPF training, operations, computer data center, Watch Floor with complex integrated multi-media/LAN control center audio-visual wall system, administrative, maintenance, and watch stander support spaces (toilets, showers and sleeping areas). Specialty systems or equipment include two 2 Mkw emergency generators, uninterruptable power supply (UPS), reconditioned switchgear, two 1500kw substations, fire protection system, raised access flooring, computer room air handlers (CRAH units), and lightning protection. Also included was the design and installation of the audio-visual (A/V) systems, furniture, fixture and equipment (FF&E) package and security (access control and video surveillance) system. The project included the integration of mechanical, data, audio / visual and electrical systems with the existing facility to ensure the new facility and the existing facility operate seamlessly as one facility to complete the mission. Critical to the success of this project was close coordination between SBBCC, NAVFAC, CUS and NOPF during construction. The new facilities were constructed and turned over in phases on an active site without impacting the critical mission being carried out in the existing facility or new facilities

- Deep Foundation Steel Piles
- Grade Beam Foundation
- Concrete Slabs
- Modified Bitumen Roofing System
- Complex audio/visual systems
- Offices
- Lightning Protection
- Sustainable design

Virginia Beach Housing Resource Center
Virginia Beach, VA

Owner		Architect
The City of Virginia Beach Municipal Center, Bldg 8 2565 Glebe Road, Virginia Beach, VA 23456 Timothy M. Oliver, R.A. Building Construction Project Manager City of Virginia Beach; Department of Public Works 757.385.1841 tolover@vbgov.com		Waller, Todd & Sadler Architects, Inc. 1909 Cypress Ave, Virginia Beach, VA 23451 Maureen McElfresh 757.417.0140 msmcelfresh@wtarch.com
Size	Dollar Value	Completion Date
63,475 SF	\$18,247,818	September 2018
The Virginia Beach Housing Resource Center is a state-of-the-art facility providing resources and housing for homeless families and individuals. A 3- story facility consisting of a clinic, offices, apartments, emergency shelter dwelling units, classrooms, dining hall, commercial kitchen, and support spaces. The 62,000 sq. ft. LEED™ Certified facility includes short-term and permanent housing, day services, a health clinic, dining hall and learning facility. Site demolition included demolition of pavement and concrete slabs, foundations and underground utilities as needed. Site work included utilities, storm water drainage, curbs and sidewalks, roads and parking lots, site lighting, lawn areas, landscaping and site furnishings. The building is a combination of one, two and three stories with three elevators and is constructed mainly of structural steel framing, concrete, metal stud framing, and some masonry bearing walls. The facility is clad with brick veneer, composite metal panel and precast concrete accents with fixed aluminum windows, aluminum storefront and curtainwall with integrated aluminum sun shades. The majority of the roof is flat SBS modified bituminous membrane roofing. Interior construction consists of metal stud partitions with abuse resistant and high impact gypsum wallboard finish, vinyl luxury tile, linoleum, porcelain and ceramic tile, terrazzo, carpet, and acoustical panel or GWB ceilings. The building has a full building generator and is fully protected with a wet type sprinkler system.		Project Features
		<ul style="list-style-type: none"> • Multi-Story • Tight Site • LEED • Housing Facility • Classrooms • Clinic

Norfolk State University Campus Quad
Norfolk, VA

Owner		Projects	
Norfolk State University 700 Park Ave Norfolk, VA 23504 Terry Woodhouse 757.823.8440 twoodhouse@nsu.edu		Lyman B. Brooks Library Demolition of Old Library Wilder Performing Arts Center Nursing & General Education Bldg G.W.C. Memorial Brown Hall Phased Demolition of old Brown Hall	New Construction Demolition Interior Renovation New Construction New Construction Demolition
Size	Dollar Value	Completion Date	
Lyman B. Brooks Library	135,474 SF	Lyman B. Brooks Library	August 2012
Wilder Performing Arts Center	56,247 SF	Wilder Performing Arts Center	August 2013
Nursing & General Ed Bldg	140,676 SF	Nursing & General Ed Building	July 2015
G.W.C. Memorial Brown Hall	153,976 SF	G.W.C. Memorial Brown Hall	Phase 1 July 2017 Phase 2 Nov. 2017
Phased Demolition of Brown Hall	137,000 SF		
Total 486,373 + Demolition			

The Campus Quad project included construction of a new library, a new nursing and classroom building, a communications tower, renovation of a performing arts center, and a new state-of-the-art classroom and office building. These projects were built in phases, with significant overlap, on very a tight construction site and required complex scheduling and subcontractor coordination on an active urban campus.

Throughout this continuous 9-year demolition, construction, and renovation period in the heart of campus, University operations remained uninterrupted and students, faculty and staff have had safe access to buildings within just a few feet of construction. To date, all of the projects have been completed on schedule or ahead of schedule and within or under budget.

G.W.C. Memorial Brown Hall

A three-story, 153,976 square foot classroom, performing arts, and office building. It is the home for the College of Liberal Arts (Math, Mass Communications and Journalism, Political Science, Sociology, Psychology, History and Interdisciplinary Studies), The Ethelyn R. Strong School of Social Work, the School of Business, and Title III.

The building houses office suites as well as a variety of flexible classrooms, distance learning classrooms, computer labs, observation classrooms, meeting rooms, study areas, student lounges, audio and video editing suites, TV studio, a studio theater, and proscenium theater that seats 368.

The New Brown hall sits south of the existing G.W.C. Brown Memorial Hall, completing the Main Quad that is ringed by the New Lyman Beecher-Brooks Library, the Student Center, the Student Services Building, and the Classroom Nursing Building.

By recreating the original clock tower entry, the New Brown Hall pays homage to Norfolk State's first true university building that housed classrooms, library, cafeteria, and administration offices all under one roof. The Corprew Avenue entrance is directly in-line with the original entrance making a connection from Corprew Avenue to the Main Quad.

A wide variety of classroom sizes and types are available, with the most flexible rooms able to reconfigure into several different types of learning environments in minutes. The building's signature piece is the "Classroom of the Future," a cantilevered classroom that extends out into the Main Quad, creating a covered entry to the building. Brightly glowing at night, this classroom is the model of ultimate flexibility, complete with state-of-the art technology and modular, collaborative furniture.

Nursing & General Education Building

Norfolk State University's Nursing Laboratory and General Education Building offers four floors dedicated to allied health, nursing, and academic instruction. Sited just east of the campus' new library and west of a new student center, the facility and its southern location define a main campus quad.

The building provides dean suites, faculty offices, classrooms, computer labs, simulation labs, seminar rooms, study rooms, and a café. Each floor introduces a variety of learning spaces and classroom layouts, which provide the faculty with options for technology-based collaboration. Several classrooms offer centralized modular furniture with patient beds around the perimeter to facilitate a hands-on learning experience.

The facility includes widespread seating areas for study and socialization. The lobby's wood panels add warmth, and special lighting creates drama throughout the two-story space.

The four-story building houses academic programs and administrative functions in approximately 140,676 square feet of space. In addition to support spaces for the university's Nursing and Allied Health programs, the new facility provides classrooms, computer labs, seminar training rooms, group study rooms, dean suites, faculty offices, and a small coffee shop. Located east of the university's new library and west of the new student center, the Classroom and Nursing Building will help define a campus quad.

Architect

Work Program Architects
208 E Plume St Norfolk, VA 23510
Mel Price
757.472.9342

Project Features

- LEED Silver
- Active Campus
- Automatic Building Systems
- Stair Tower | Elevator Tower
- Cantilevered Classroom
- Demolition
- Offices
- Observation Classrooms
- Audio & Video editing suites | TV studio
- Multipurpose black box theater
- 450-seat theater
- flexible classrooms
- distance learning classrooms
- computer labs
- meeting rooms | study areas
- student lounges
- "learning nodes" where students and professors collaborate informally before and after class
- outdoor amphitheater

Architect

Moseley Architects
780 Lynnhaven Pkwy, Virginia Beach, VA 23452
Kenny Van Hook
757.368.2828

Project Features

- LEED Gold
- Active Campus
- Adjacent to Occupied Buildings
- 32 classrooms
- 5 computer labs
- 20 group study rooms
- 10 nursing and medical technology labs
- 68 faculty and staff offices
- 3 conference rooms
- several lounges
- café
- IT help desk

L. Douglas Wilder Performing Arts Center

The Wilder Performing Arts Center is a 56,247 square-foot building comprised of a 1,500-seat, state-of-the-art concert and performance hall, three (3) large meeting or flexible-use rooms, large stage and ornate foyer.

The Wilder Performing Arts Center was scheduled as a 12 month project. SBBCC completed the renovation project in four (4) months, 8 months ahead of schedule, in order to accommodate a presidential speech that Norfolk State University wanted to host at the theater. All construction was performed during the three months of summer recess.

Architect	The Livas Group 246 W Freemason St , Norfolk, VA 23510 William H Milligan 757.627.0896
Project Features	<ul style="list-style-type: none"> • Active Campus • Adjacent to Occupied Buildings • Multi-Story • Renovation • Aggressive Schedule • Stairwell • Signage

Lyman B. Brooks Library

The 135,474 SF, 3-story, state of the art library provides spaces for library related activity and functions. It includes a mechanical penthouse and is a brick and aluminum curtain wall building with a sloping metal roof, concrete floors, facility signage, and electrical, emergency power generator with glass roof elements. Tasks consisted of site preparation, utilities (water, sewer, gas, and electric), sidewalk, lighting, and landscaping. The New Brooks Library is LEED Gold certified. Preconstruction saved over \$3,000,000.

The first floor has a central lobby, the Information Commons, Information Services, Media Services, a large & small instruction room, as well as mechanical and electrical spaces. The second floor has collections, a variety of group study areas, the Marshal collection, an Archives area, as well as a Museum/Gallery area. The third floor includes collections, group study rooms, E-Learning spaces, and administrative offices.

After completion of the new library in December 2011, great precautionary measures and care were taken to ensure the safety and preservation of valuable archives during the transfer from the old library to the new library. It was very important to SBBCC to provide this immeasurable service to the University. With the completion of all books safely moved to the new library, the close-proximity demolition of the old library building began.

Old Library Demolition

The first phase of demolition consisted of the removal of asbestos-containing materials (ACM) and lead abatement. Demolition of the building proper began at the East wings of the two-story structure to ensure adequate space for the final phase, which was directly adjacent to the new library entrance. To address owner concerns related to noise, dust, and exposure to contaminants, heavy demolition was scheduled around class schedules and high pedestrian traffic times.

Architect	Moseley Architects 780 Lynnhaven Pkwy, Virginia Beach, VA 23452 Kenny Van Hook 757. 368.2828
Project Features	<ul style="list-style-type: none"> • Demolition • Hazardous Material Abatement • Enclosed "Bridge" – Pressurized / Indoor Environmentally-Controlled Art & Library Preservation • Multi-Story • Open Concept Construction • Utility Relocation / Replacement • Adjacent & Operational Buildings • Collaborative space • Reinforced Masonry • Structural Glazing System • Rotunda / 90ft Atrium • Central Lobby • Signature Building • E-Learning Center • Computer Resource Lab • Internet Café • Traditional Book Stacks / Reading Spaces • 30 Study Rooms • Graduate Student Research Room • Large Meeting / Instruction Room • Small Meeting / Instruction Room • Classrooms • Museum / Gallery Area • Archive Area • Administration Offices • Information Commons / Information Services • Media Services

Virginia National Guard Headquarters Richmond, VA

Owner		Architect	
Virginia Department of Military Affairs Building 316, Fort Pickett Blackstone, VA 23824 Contact: Derrick Hall (434) 298-6232		POND, Co. 3500 Parkway Lane, Suite 600 Peachtree Corners, GA 30092 Roseanna D. Richards 678.336.7740	
Size	Dollar Value	Completion Date	
101,588 SF	\$28,500,496	August 2018	
<p>The Virginia National Guard Headquarters (VNGHQ) facility consist of two (2) separate structures; a 102,000 GSF, 2-story Readiness Center built on a 13.6 acre site and a 3,019 GSF unconditioned Storage Building (Building "B"). The facility includes areas which was constructed in accordance with the SCIF requirements of ICD/ICS 705 and all areas are considered secure. The facility houses administrative spaces, an assembly hall, locker rooms/showers, active duty administration offices, unit conference spaces, armory, and shops for communications equipment, multi T media/LAN control centers, secure rooms, vehicle service bays, classrooms, conference rooms and lounges.</p> <p>Complex information systems and technological appurtenances was included within the design. The design also include a full building backup/emergency generator, connections to existing utilities, and associated site work. The building consisted of reinforced concrete and steel –framed building with masonry exterior walls and gypsum board interior walls and concrete floors.</p>		Project Features	
		<ul style="list-style-type: none"> • LEED Gold • Multi-Story • Active Military Base/Campus • Security Electronics • Automatic Building Systems • Reinforced Masonry Construction • Classrooms • Offices 	

Blue Ridge Community College Parking Garage
Weyers Cave, VA

Owner		Architect
Virginia Community College System 300 Arboretum Place, #200, Richmond, VA 23236		RRMM Architects 1317 Executive Blvd Chesapeake, VA 23320 Duane Harver (o) 757.622.2828 (c) 757.477.1502 dharver@rrmm.com
Size	Dollar Value	Completion Date
102,000 SF	\$4,603,105	May 2018
320- Space Parking Structure with IDF, storage and electrical rooms and all utilities and site improvements, pavements and additional concrete works. Handicapped spaces are provided; six (6) car accessible, two (2) van accessible. One vehicular entrance and exit are designed for all users		Project Features
		<ul style="list-style-type: none"> • Active Site • Improvements • Concrete Work • Multiple Stories • Landscaping

Old Dominion University
Darden College of Education & Professional Studies
Norfolk, VA

Owner		Architect
Old Dominion University 5115 Hampton Blvd, Norfolk, VA 23529 David Robichaud 757. 683.5682 drobicha@odu.edu		Stantec 11415 Isaac Newton Sq S. Reston, VA 20190 Robert Sherrill 571.521.7536
Size	Dollar Value	Completion Date
120,245 SF	\$32,136,612	October 2016
<p>This five story, 120,245 SF marquis building is located at the south campus gateway to the university at the busiest intersection on campus. This building was designed and built to educate the Science, Engineering, Technology, and Mathematics (STEM) educators of tomorrow and includes: academic classrooms, graduate student and faculty office spaces, art / fashion / jewelry design and maker spaces, engineering and robotics lab spaces, materials science and welding labs, general purpose teaching spaces, and dry lab spaces.</p> <p>The brick veneer and precast "L" shaped building is comprised of two (2), five-story wings that encompass an exterior green space facing the main campus, leading pedestrian traffic to the building. Connecting the wings is a sculptural glass and precast tower containing a two-story multipurpose auditorium (ground level), and a two-story Learning Commons Theater (level three). Both were constructed on a raised floor system housing the utility infrastructure (power, AV, IT, HVAC, etc.). University staff offices, and conference / board room are located on the fifth level penthouse.</p> <p>This building houses classrooms, the Counseling and Human Services Department, EFL Labs, TCEP Conference area, Teaching and Learning Department, STEMPS lab spaces and offices are hinged together by a sculptural glass tower. The glass tower will be the focal point of the building. Starting with the Career Advising and Resource Center on the first floor, major highlights are the accessible collaboration spaces on every floor and the high-ceilinged multi-purpose auditorium on the first floor. From the fifth-floor boardroom, floor-to-ceiling windows offer striking views of downtown and of campus. On the fourth floor, students in STEM education, fashion merchandising and the MonarchTeach program now receive instruction and do laboratory work in modern, immersive learning environments.</p> <p>NOTABLE PROJECT FEATURES: Laboratories for bio-tech science, technology education, mathematics and industrial technology • Varying exterior façade materials consisting of brick veneer, metal panels, precast, and a curtainwall glazing system • Structural steel framing • Steel joist and deck with LW concrete on floors and roof • Cast-in-place concrete shear walls and elevator cores • Structural metal stud exterior walls • Roofing systems consisting of single ply TPO membrane with tapered insulation on "flat" roofing surfaces. • Chilled water cooling plant with variable speed water-cooled chiller • Heating hot water plant with variable speed pumps • Variable Air Volume (VAV), chilled and heating hot water, central station air handling units serving an-powered and shut-off type VAV terminal units controlled by a Direct Digital Control system that is connected to the universities Energy Management Department via an existing campus-wide BAS network. • Emergency power for life-safety and support of mechanical/electrical mission critical systems • On-site rainwater and run-off Best Management Practices (BMP's)</p>		Project Features
		<ul style="list-style-type: none"> • LEED Silver • Preconstruction savings of \$5,000,000 • Active Campus Tight Site • Adjacent to Occupied Buildings • LED Lighting • large multipurpose auditorium • 11 University classrooms with capacity to hold 500 • 151 faculty offices • 9 laboratories <p>Dedicated space for:</p> <ul style="list-style-type: none"> • Monarch Teach program • The Virginia Early Childhood Policy Center • The ODU Literacy Center • Learning Commons

Radford University
College of Humanities & Behavioral Sciences Building
Radford, VA

Owner		Architect	
Radford University 801 East Main St, Radford, VA 24141 Guy Rhodes 504.831.7756		Moseley Architects 780 Lynnhaven Pkwy Virginia Beach, VA 23452 Ron Davenport 757.368.2800	
Size	Dollar Value	Completion Date	
143,600 SF	\$41,028,849	September 2016	
<p>Five-story, 143,600-square-foot academic building houses all of the college's academic units, as well as the Dean's office. The CHBS building is the largest academic building on campus.</p> <p>The state-of-the-art space features a 90-seat tiered classroom, multiple collaborative learning spaces for student use, offices and research spaces for faculty and staff use and the CHBS Advising Center. It also houses a mock trial/moot courtroom, a professional quality broadcast studio, digital video and audio editing facilities, a forensic laboratory, and an Emergency Operations Center.</p> <p>The largest academic building on campus, it is located between two other campus buildings, the CHBS building features Georgian architecture facing the main campus. The Main Street side of the building has a contemporary flair. There is also a landscaped courtyard adjacent to the building's Starbucks.</p>		Project Features	
		<ul style="list-style-type: none"> • LEED Silver • Active Campus Tight Site • Adjacent to Occupied Buildings • Vivarium • Steam System • Smart Classrooms Tiered Classroom • Faculty offices • Multiple Collaborative Learning Spaces • Research Spaces • Advising Center • Mock trial/moot Courtroom • Professional Broadcast Studio • Digital Video and Audio Editing Facilities • Forensic Laboratory • Emergency Operations Center • Landscaped courtyard • Campus Dining Options • Dean's Suite 	

Virginia State University Multipurpose Center
Petersburg, VA

Owner		Architect	
Virginia State University 20917 Chesterfield Ave Petersburg, VA 23803 Jane Harris 804.524.6239		Clark Nexsen 4525 Main St #1400 Virginia Beach, VA 23462 Georgana Turner 757.455.5800	
Size	Dollar Value	Completion Date	
165,941 SF	\$58,985,225	January 2016	
<p>The Multipurpose Center consists of a 165,941 square foot sports and event arena that seats 6,100 for stage events and 5,100 for sporting events.</p> <p>The arena is the size of three football fields and sits on a piece of property the size of six football fields. It facility includes food and retail service spaces, media spaces classrooms and faculty offices, a wellness center and conference/meeting spaces.</p> <p>LEED Silver Certification</p>		Project Features	
		<ul style="list-style-type: none"> • LEED Silver • Automatic Building Systems • Active Campus • Adjacent to Occupied Buildings • Security Electronics • Classrooms • Circulation Space • Work Space Meeting Space • Support Space • Multipurpose Space • Loading Dock • IT Space • Acoustic Control 	

Richmond Justice Center
Richmond, VA

Owner		Architect	
City of Richmond 900 E. Broad St Richmond, VA 23219 Tillie Jackson 804.646.6008		HOK Architects 3223 Grace Street NW Washington, DC 20007 Jim Kessler (Retired) 202.944.1544	
Size	Dollar Value	Completion Date	
412,000 SF	\$124,070,537	February 2015	
<p>The new Judicial Center was built adjacent to the existing jail, which remained operational during construction. The project consisted of approximately 412,000 SF of new space including six (6) floors and 1,032 beds. The project included air conditioning, state of the art</p>		Project Features	
		<ul style="list-style-type: none"> • Tight Site • Adjacent to Occupied Buildings 	

security, deep foundations, extensive site work, and landscaping, as well as a precast structure and skin. The existing jail was demolished following completion of the new structure to allow for additional parking and landscaping.

The Justice Center offers air-conditioned spaces for inmates and staff, medical and dental clinics and dedicated staff accommodations, including locker rooms, a fitness area and dining areas. Inmates that were previously housed in a communal enclosure surrounded by bars (sometimes up to 150 men at a time) are now housed in pods containing no more than 45 individual cells. These pods contain a day room, eating facilities and an exercise room.

- Municipality Project
- Security Electronics
- Automatic Building Systems
- Reinforced Masonry Construction
- Precast structure and skin
- Demolition

Building J-50 Renovations

Norfolk, VA

Owner		Architect	
Naval Facilities Engineering Command 6506 Hampton Blvd Norfolk VA 23508 Mark Airaghi 757.407.2177		HBA Architects 1 Columbus St #1000 Virginia Beach VA 23462 Lis Murfin 757.490.9048	
Size	Dollar Value	Completion Date	
176,220 SF	\$18,045,003	April 2015	
Building J-50 was built over 60 years ago. This was the first renovation of the entire building and provided a more reliable and energy efficient system. The renovation featured closed loop water source heat pumps, energy efficient lighting, new energy efficient HVAC systems and improved insulation.		Project Features	
		<ul style="list-style-type: none"> • Adjacent to Occupied Buildings • Multi-Story • Active Military Base/Campus • Work in Multiple Buildings • Phased Construction • Renovation 	

Sitter-Barfoot Veterans Care Center

Richmond, VA

Owner		Architect	
Department of Veteran Services 900 E Main St Richmond VA 23219 Shirley McNutt 804.786.4538		SFCS, Inc. 305 South Jefferson St Roanoke VA 24011 Pamela Feuer, AIA, CCCA 540.344.6664	
Size	Dollar Value	Completion Date	
145,136 SF	Phase 1 \$20,413,903 Phase 2 \$7,890,736 Total \$28,304,639	July 2015	
Sitter and Barfoot Veterans Care Facility is a multi-wing, residential care center for veterans. The facility features 160 single occupancy rooms in three nursing units: two 60 bed skilled nursing care units and one 40 bed secure Alzheimer's dementia unit with enclosed courtyards. The facility is self-supporting with private resident rooms containing private handicap accessible baths with roll-in showers, nursing/support spaces, pharmacy, a full service commercial kitchen and dining area, barber/beauty shop, library, game room, computer room, lounges, activities rooms, physical therapy rooms, administrative offices and lobbies. Building construction consisted of structural steel and load bearing masonry for kitchen and mechanical core areas as well as support offices and administrative areas. The main lobby features a two-story exposed timber construction with a tongue and groove wood ceiling. The residential wings are structural wood framed. Exterior finishes are Hardiplank concrete siding and brick veneer. Roof construction is EPDM over the central core areas and architectural asphalt shingles over the residential wings.		Project Features	
		<ul style="list-style-type: none"> • Renovation • Phased Construction • Adjacent to Occupied Buildings • Security Electronic • Care units • Offices • Work Space • Meeting Space • Support Space • Full-Service Commercial Kitchen • Wayfinding Signage • Landscape Design • Shared Areas • Circulation Space 	

Floyd E. Kellam High School
Virginia Beach, VA

Owner		Architect	
Virginia Beach Public Schools 2512 George Mason Dr Virginia Beach VA 23456 Tony Arnold 757.263.1090		HBA Architects 1 Columbus St #1000 Virginia Beach VA 23462 Mike Ross 757.490.9048	
Size	Dollar Value	Completion Date	
336,410 SF	\$74,787,701	January 2014	
<p>Kellam High School, one of the oldest high schools in Virginia Beach, was replaced with a new 2,000-student school envisioned to be a prototype for 21st century learning. It consisted of the construction of a two-story high school of 336,410 SF that accommodates six (6) communities of about 330 students, each with its own section. It has one main library, a courtyard with waterfall, a garden, and a 2,940 SF, 150-seat black box theatre.</p> <p>With a 2,000 student capacity complete with learning commons, experimental labs, collaboration stations, and modular classrooms. The school has an educational courtyard, outdoor classrooms, a gymnasium, and athletic facilities. LEED Silver Certification. Completed 3 Months Ahead of Schedule.</p>		Project Features	
		<ul style="list-style-type: none"> • LEED Silver • Automatic Building Systems • Security Electronics • Completed 3 months ahead of schedule • Six Learning Communities • Experimental Labs • Breakout & Presentation Spaces • Learning Commons Spaces • 2,000-seat Gymnasium • 800-seat Auditorium • 145-seat Black Box Theater • Educational Courtyard • Interdisciplinary Teacher Workrooms • 4,500-seat Stadium • Synthetic Turf Football/Soccer Field • Running Track • Baseball and Softball Fields • Eight Tennis Courts • General Practice Fields/ Facilities • 2 Outdoor Basketball Courts 	

Tidewater Community College
Chesapeake Student Center & Academic Building
Chesapeake, VA

Owner		Projects	
Virginia Community College System 300 Arboretum Pl Richmond, VA 23236 Dan Jewett 804.819.4914		TCC Chesapeake Student Center TCC Chesapeake Academic Building	
Size	Dollar Value	Completion Date	
Student Center 58,340 SF	Student Center \$15,482,398	Student Center – April 2014	
Academic Building 62,296 SF	Academic Building \$23,254,173	Academic Building – June 2013	
Total 120,636 SF	Total \$38,736,571		

In a single project, the TCC Chesapeake Campus more than doubled its size through the construction of two new buildings. This project provided much needed academic classrooms and labs as well as more than 300 new parking spaces on a challenging site in a flood plain.

The entire job consisted of three phases. SBBCC was contracted for the Earthwork & Site Infrastructure/ Utilities Package for phase 1 and the subsequent phases, also in separate contracts, included demolition of two structures and the construction of the two new academic buildings.

The campus remained fully operational throughout construction. As sections of new parking were completed, the construction boundaries were adjusted to allow students and college staff use of the spaces.

The Chesapeake Campus is the college's "green" campus, sitting on 69 acres of land. The landscape includes protected wetlands and a tributary of the southern branch of the Elizabeth River. Green space from all buildings, especially the Chesapeake Student Center with glass walls that provide views of the open spaces. Students in the sciences enjoy the living laboratories with wildlife and birds, as the campus is a Certified Audubon Cooperative Sanctuary.

Student Center

The Student Center Building is a three-story, approximately 58,340 square foot standalone building. The building contains student activity and recreation spaces, lounge / study areas, meeting rooms, a café / food service operation, a range of multi-purpose event

Architect

VMDO Architects
200 E Market St,
Charlottesville, VA 22902
Kim Smith
434.296.5684

rooms with movable walls for student events and conferencing, a fitness center, a campus store and an area dedicated to child minding services.

The new student center site takes advantage of its position fronting a new central campus green space as well as a distinctive, tidal wetland landscape to the north feeding the Elizabeth River. The building's recreation spaces and café spills out to a lively terrace edging this unique wetland—engaging the special portion of campus designated as an Audubon sanctuary.

Exterior materials include aluminum composite panels, brick veneer masonry, pre-cast concrete, with aluminum windows, curtain wall system and glass.

TCC's Chesapeake Student Center offers state-of-the-art facilities for studying, dining, meeting, fitness, student life, leadership development or simply relaxing in between classes.

Academic Building

This project consisted of a new three-story, 62,296 square foot structure that accommodates academic and administrative functions.

The Academic Building provided much needed additional academic space to accommodate general education programming in humanities, social sciences, labs, performing arts spaces, general classrooms, tiered classrooms, computer labs, general assembly area, computer labs, a Dean's Suite, multi-purpose assembly space and faculty offices.

Also included is a 3,400 square foot black box theatre with flexible seating to accommodate 114-211 seats. Exterior materials include aluminum composite panels, brick veneer masonry, pre-cast concrete, with aluminum windows, curtain wall system and glass.

Project Features

- LEED Gold
- Several Dining Location Options
- Barnes & Noble Distribution Center: Campus Store
- Computer Workstations
- Study Rooms | Meeting Rooms
- Fitness Center & Gymnasium
- Information Desk
- Gaming & Billiards Lounges
- Offices | Meeting Rooms
- Green Space
- Activity and Recreation Spaces
- Lounges Areas
- Movable Walls

Architect

Moseley Architects
1 Columbus St #1000
Virginia Beach VA 23462
Mike Ross
757.490.9048

Project Features

- Classrooms: General | Tiered
- Laboratories
- Computer Labs
- General Assembly Area
- Faculty Offices | Dean's Suite
- Multi-purpose Assembly Space
- Performing Arts Space:
- Black Box Theatre

Tidewater Community College Chesapeake Parking Garage Chesapeake, VA

Owner		Architect	
Virginia Community College System 300 Arboretum Pl Richmond, VA 23236 Dan Jewett 804.819.4914		RRMM Architects 1317 Executive Blvd Chesapeake, VA 23320 Dan Hickok Jr 757.622.2828	
Size	Dollar Value	Completion Date	
387,447 SF	\$18,604,815	July 2016	
The Tidewater Community College Parking Garage is a 387,447 SF, four-level structure with capacity for 1,215 parking spaces with office space, toilet, and site improvements including a pedestrian bridge, pavements, and additional concrete work and access road. The building serves the Chesapeake Campus faculty members, students, and guests.		Project Features	
TCC Parking Garage included structural precast and cast-in-place concrete work, unit masonry work, architectural precast panels, precast concrete stairs, single ply roofing systems, roof accessories, curtain walls, doors, storefront, hardware, glazing parking signage and provisions for future parking equipment. This garage had four stair towers and 2 elevators with substantial glazing. Additional roadwork and wayfinding signage was also a part of the project.		<ul style="list-style-type: none"> • Automatic Building Systems • Sprinkler Systems • Security Electronics • Active Campus • Deep auger pile foundations • Architectural precast panels • Office space • Façade designed to match surroundings 	

23rd Street Comfort Suites Virginia Beach, VA

Owner		Architect	
Tim Stiffler 2321 Atlantic Ave, Virginia Beach, VA 23451 Tim Stiffler 757.333.7176		H&A Architects (Formerly CMSS Architects) 222 Central Park Ave Virginia Beach, VA 23462	
Size	Dollar Value	Completion Date	
90,000 SF	\$15,312,752	May 2014	
Complete renovation of the 90,000 SF hotel. All 104 existing rooms were renovated using sustainable features and upgrades were made to bring the facility up to ADA codes. Hotel upgrades included new showers, new HVAC units, new flooring, new wall coatings, and new balcony railings. Construction included the creation of four new penthouse suites and a penthouse meeting room. The lobby was renovated and included a new elevator in the waiting area. Both of the existing ten-story elevators were reconditioned; a new pool deck with fire pits was installed; and a new business center, fitness center and laundry facility were designed into the new plans, as well as an upgraded dining area for guests. The project also included a new roof, new fire alarm system, new emergency fire pump system, and an emergency generator.		Project Features	
		<ul style="list-style-type: none"> • Multi-Story • Tight Site • Adjacent to Occupied Buildings • Sustainable Features 	

Navy Lodge
Virginia Beach, VA

Owner		Architect
Naval Facilities Engineering Command 2600 Tarawa Ct Virginia Beach, VA 23459		RRMM Architects 1317 Executive Blvd Chesapeake, VA 23320 Dan Hickok Jr 757.622.2828
Size	Dollar Value	Completion Date
30,700 SF	\$7,412,704	August 2014
The work performed provided for two, two-story additions to the Southeast and Southwest "knuckles" of the existing Navy Lodge Facility. The total added area to the existing facility is approximately 30,700 SF. The additions include; 2 elevators, 17 two-bedroom family suites (including 1 accessible unit), 9 one-bedroom suites (including 3 accessible units), and 4 standard one-bedroom units. The project also includes the interior conversion of three existing guest rooms adjacent to the entrance lobby into a guest breakfast (café) area. The project included additional site lighting, parking, sidewalks, utility relocations, storm water retention, relocated playground area, dumpster areas, and lay down area for the adjacent Navy Exchange storage/shipping containers		Project Features
		<ul style="list-style-type: none"> • Multi-story • Utility Work • Signage • Security Electronics • LEED Silver • Utility Relocations • Storm Water Retention • Waste Area • LED Lighting

Old Dominion University
Arts Building
Norfolk, VA

Owner		Architect
Old Dominion University 5115 Hampton Blvd, Norfolk, VA 23529 Dave Robichaud 757.683.5682		Tymoff + Moss 512 Botetourt St Norfolk, VA 23510 Barry Moss 757.627.0013
Size	Dollar Value	Completion Date
39,000 SF	\$11,144,000	August 2014
This project consisted of a new three story, 39,000 square foot Arts Building that was part of the new arts complex designed to consolidate the department's activities in one location for the first time in 20 years. The new Arts Building also includes instructional classrooms for drawing, painting and graphic design, studios, faculty and administrative offices and a reading room. The building includes a cylinder lobby and conference room which provides a visual marker. The rest of the building is a trapezoid, angled to draw pedestrians in from the street.		Project Features
		<ul style="list-style-type: none"> • Active Campus • Adjacent to Occupied Buildings • Tight Site • Multi-Story • LED Lighting • Automatic Building Systems • Security Electronics • Classrooms • Offices

Virginia Commonwealth University
West Grace Street Housing North
Richmond, VA

Owner		Architect
Virginia Commonwealth University 821 W Franklin St Richmond, VA 23284		Niles Bolton Associates 300 N Lee St #502 Alexandria, VA 22314 Ken Ramsey 757.365.7600 Commonwealth Architects 101 Shockoe Slip, 3rd Fl, Richmond, VA 23219 Lee Shadbolt 804.648.5040
Size	Dollar Value	Completion Date
147,997 SF	\$23,546,845	August 2013
This project consisted of the design and construction of a 5-story mixed-use facility totaling approximately 147,997 square feet. The housing component of over 140,000 square feet accommodates over 400 students in a mix of 4-bedroom apartments, 2-bedroom double-occupancy apartments, 2-bedroom single-occupancy apartments, 1-bedroom apartments and single-occupancy efficiencies with 240hour security, access to parking, two outdoor courtyards with seating, study lounges and community rooms on each floor. The ground floor mixed-use component provides over 6,000 square feet of multi-purpose space for the Global Communities Living-Learning Center. LEED Silver Certification		Project Features
		<ul style="list-style-type: none"> • LEED Silver • Automatic Building • Systems • Reinforced Masonry Construction • Active Campus • Adjacent to Occupied Buildings • Multi-Story • Tight Site • Security Electronics • Mixed Use Facility • Living Learning Center • Security

Wise County PPEA
Central & Union High School
Big Stone Gap | Norton, VA

Owner		Architect
Wise County Public Schools 628 Lake St NE, Wise, VA 24293 Jeff Perry 276.219.3542		RRMM Architects 1317 Executive Blvd, Chesapeake, VA 23320 Duane Harver 757.622.2828
Size	Dollar Value	Completion Date
258,564 SF	\$50,000,000	January 2014
<p>Two new high schools to accommodate approximately 1,300 students. The facilities include classrooms, media centers, computer labs, offices, science labs, locker rooms, exam rooms, gymnasiums, teacher lounges, cafeterias, laundry rooms, auditoriums, nurse stations, and conference rooms. LEED Gold Certification.</p> <p>The facility included classrooms, a media center, computer labs, offices, science labs, locker rooms, exam rooms, a gymnasium, a teacher lounge, a cafeteria, a laundry room, an auditorium, and conference rooms. The dining facility seats 413 students with a full kitchen.</p> <p>Project Features: Each 129,273 SF building includes an</p> <ul style="list-style-type: none"> • Auditorium with capacity of 800 seats • Gym with 1,500 seats • 3 girls' locker rooms • 3 boys' locker rooms • 40 classrooms • Modern media center • Elaborate arts wing • 2 new and fully equipped science labs • 6 computer labs • Wireless technology throughout the building • Enhanced surveillance and safety measures • Dining and kitchen space consisting of 22,215 SF. 		<p>Project Features</p> <ul style="list-style-type: none"> • LEED Gold • Automatic Building Systems • Automatic Sprinkler Systems • Reinforced Masonry Construction • Security Electronics • Signage • LED Lighting • Multi-Story • Adjacent to Occupied Building • Classrooms • Conference Rooms

P743 Cargo Logistics Facility
Williamsburg, VA

Owner		Architect
United States Navy 9742 Maryland Ave, Norfolk, VA 23511 Joshua Lewis 757.887.4703		Michael Baker Jr. 3601 Eisenhower Ave Alexandria, VA 22304 Robin Barnes 703.887.4703
Size	Dollar Value	Completion Date
50,482 SF	\$16,731,659	March 2016
<p>This project consisted of 3 sites with 5 structures. Construction included a total of 50,482 SF of administration offices, training classrooms, warehouse, maintenance shops, vehicle maintenance, support spaces, Mock Ship, Mock Pier, Mock Cargo Hold, and a Chemical Biological Radiological (CBR) test chamber.</p> <p>Work also included the site demolition of all of the existing buildings at Site A. Before demolition occurred, temporary office space renovations were implemented and completed in building CAD 296.</p> <p>Site A included the two-story Logistics Building and the two-story Vehicle Maintenance Building. Site B includes a one-story building base to support the relocated Mock Ship crane. Work included salvaging and reinstalling the crane. Site B also included a concrete Mock Pier and a Mock Cargo Hold, consisting of a one-story steel framed structure with multiple hatch openings and covers.</p> <p>Site C included the CBR test chamber, consisting of a one-story masonry building. The project was constructed as brick and concrete block units with concrete floors, and a standing seam metal roof.</p>		<p>Project Features</p> <ul style="list-style-type: none"> • LEED Platinum • Multi-Story • Active Campus • Overhead Bridge Crane • Classrooms • Offices • Support Spaces • Chemical Biological Radiological (CBR) test chamber • Demolition • Salvage

Tidewater Community College System
Portsmouth Student Center
Portsmouth, VA

Owner		Architect
Virginia Community College System 300 Arboretum Pl, Richmond, VA 23236 Shelley Bains 804.912.6646		Stantec Architecture 1056 Thomas Jefferson St., NW Washington, DC 20007 Jasmin McDuffie 202.339.6880
Size	Dollar Value	Completion Date
59,400 SF	\$13,349,190	July 2013
Three-story building offers social spaces, meeting rooms, study lounges, dining venues, retail outlets, and a gym and fitness center, as well as a campus daycare facility. Pulled from existing chilled water/heating hot water central utility plant and used tertiary pumps for building distribution. LEED Silver Certification.		Project Features
		<ul style="list-style-type: none"> • LEED Silver • Multi-Story • Active Campus • Adjacent to Occupied Buildings • Computer Labs • Study Spaces • Social Lounges • Meeting Rooms

W-5 Renovation of Carrier Strike Group
Norfolk, VA

Owner		Architect
United States Navy 9742 Maryland Ave Norfolk, VA 23511 Harrison Dudley 757.341.0570		HBA Architects One Columbus Center, Suite 1000 Virginia Beach, VA 23462 Les Murfin 757.490.9048
Size	Dollar Value	Completion Date
30,349 SF	\$7,818,123	August 2012
Renovation the existing 24,624 SF, three-story facility and provided additions on the front and rear adding 5,725 additional SF. The interior of the existing building was totally demolished. Now a completely renovated space for public toilets, Admiral's suite (consisting of three offices, a private toilet, and a conference room), vending space, and open office space on each floor. The existing exterior metal stairs and windows were removed and new AT/FP compliant windows were added. The front addition provides an ADA compliant entry ramp, exterior entry stair, egress stair, entry vestibule, elevator, badge room, and storage on each floor. The rear addition provides egress stair, galley, vending space, mechanical room, and electrical room, loading dock, and NIPR/SIPR and telephone room. A sprinkler and fire alarm system was added to include a mass notification system and a new water line. Exterior brick walls were repaired. Site work removed existing pavement and provided sod, new sidewalks, grass drainage swales, a dumpster enclosure, landscaping, bike racks, flag pole, and relocation of existing steam lines.		Project Features
		<ul style="list-style-type: none"> • LEED Silver • Adjacent to Occupied Buildings • Multi-Story • Active Military Base/ Campus • Renovation

2. Attach a list of your organization's projects in progress, if any, at the time of this statement. At a minimum, provide project names and addresses, contract amounts, percentages complete and contact names and numbers for the architects and owners.

PROJECTS IN PROGRESS	COMPLETION	%	CONTRACT AMOUNT	OWNER	ARCHITECT
Virginia National Guard Readiness Center – 91st Cyber Brigade Fort Belvoir, Virginia	June 2021	99%	\$16,276,996	The Dept. of Military Affairs E. Scott Newcomb 434.298.6458	HBA Architecture & Interior Design David Ermini, AIA 757.490.9048
Science Museum of Virginia Parking Deck Richmond, Virginia	October 2021	72%	\$9,797,709	Department of General Services Ralph Olberg 804.786.5028	Glavé & Holmes Architecture Jeff Binsley 804.513.4542
ESH Greene (Cardinal) Elementary School Richmond, Virginia	July 2021 Phase 1 – Oct. 2020 Phase 2 – July 2021	92% overall	\$37,691,473	City of Richmond AECOM (Owner Representative) 804.646.6312	RRMM Dan Weigand 804.277.2633
Aircraft Maintenance Instructional Building Fort Eustis, Virginia	June 2021	72%	\$40,716,365	US Army Corp of Engineers Brad Atkins 757.878.1382	Army Corps of Engineers Thomas Burt Construction Representative 757.878.1382
J.R. Tucker High School Henrico, Virginia	Phase 1 Aug. 2021 Phase 2 June 2022	Phase 1 67% Phase 2 0%	\$94,840,513	The County School Board of Henrico County, Virginia Oscar Knott 804.501.5691 Dr. Nicole Olivencia, Ed.D. 804.652.3895	Moseley Architects Scott Shady 804.794.7555
Broad Street Parking Garage Richmond, Virginia	June 2022	0%	\$30,329,801	Commonwealth of Virginia Department of General Services Richmond, Virginia Chinh Vu 804.786.1410	Commonwealth Architects Lee Shadbolt, AIA, NCARB 804.200.7172
Colonna's Shipyard, Building 7, Phase 4 Facility Expansion Norfolk, Virginia	February 2022	22%	\$7,833,473	Colonna's Shipyard Norfolk, Virginia Mark Essert 757.545.2414	Covington Hendrix Anderson Architects Jon Covington, AIA, LEED AP (o) 757.491.6654 757.615.4454
Radford University Hotel & Visitors Center Radford, Virginia	December 2022	3%	\$30,312,118	Preston Hollow Capital Ramiro Albarran 214.389.0811	Blur Work Shop 621 North Avenue NE, Suite C40 Atlanta, GA 30308 Scott Morris 404.600.1166
Rivers Casino Portsmouth Portsmouth, Virginia	November 2022	0%	\$150,000,000	Rush Street Gaming Joe Scibetta 312.800.5764	Klai Juba Wald Architects Brian Fink P 702.221.2254

3. If this statement is for a particular project, identify three (3) projects from those identified in 1 and 2 above which are most relevant or similar to the project(s) for which you are seeking prequalification; these projects are designated as your "Firm's Representative Projects" and will also be included on Attachment 3, "CO-16 Crosswalk of Firm and Key Personnel Experience".

Firm Representative Project 1.

Project Name: **Norfolk Public Schools Modernization Project (Design-Build PPEA)**

Project Address: Multiple Locations in Norfolk, Virginia

Owner's Name: City of Norfolk /Norfolk Public Schools

Address: 810 Union St, Norfolk, Virginia 23510

Phone Number: 757.664.6402

Contact: Randy Thomson

Architect's Name: RRMM Architects

Address: 1317 Executive Blvd, Chesapeake, VA 23320

Phone Number: 757.622.2828

Contact: Duane Harver, CEO/President, Director, K-12 Studio

Key Lessons Learned:

- SBBCC hired two additional soils engineers, got additional reports, and provided an opportunity to eliminate piles on the Campostella site. After learning we could use select fill, this saved over \$200,000 on the project. We raised the grade for the client ultimately helping with flooding and high tide issues.
- During pre-construction and design on the Camp Allen site, SBBCC and the team raised the building elevation by 3 ft in order to address flooding concerns. This also helped alleviate conflicts with the ground water mitigation system in place, and new utilities planned for construction, resulting in a more efficient stormwater piping install.

Please see Volume III, TAB 1 QUALIFICATIONS AND EXPERIENCE, b. Experience for additional information.

Firm Representative Project 2.

Project Name: **Wise County High Schools (Design-Build PPEA)**

Union High School & Central High School

Project Address: Big Stone Gap, Virginia / Wise, Virginia

Owner's Name: Wise County Public Schools

Address: 810 Union St, Norfolk, Virginia 23510

Phone Number: 423.581.3101

Contact: Dr. Jeff Perry (Retired)

Architect's Name: RRMM Architects

Address: 1317 Executive Blvd, Chesapeake, VA 23320

Phone Number: 757.622.2828

Contact: Duane Harver, CEO/President, Director, K-12 Studio

Key Lessons Learned:

- **Expediting Foundations:** The construction of Central High School was initially delayed by the WCPS due to multiple site selections. SBBCC offered to assist with the testing, analysis, and final selection of the site. This site selection process delayed the project by five months but SBBCC completed the project on-time and within budget. We saved three months on the project schedule by expediting the foundations and the project team got out of the ground before cold weather hit. SBBCC had seven excavators working: five of them focused on the foundations; dump trucks loaded with the spoils excavated for the footings and moved them to the new football field location to be used as fill.
- **Key Takeaways:**
 - **Soil:** Verify through testing and our own testing from our 4th party testing that the soils are suitable for parking and building pads.
 - **Landscape:** get erosion control measures in place early to identify areas that may need more attention to allow nature to show you what or how you have impacted the existing area.
 - **Rooftop:** Verify that RTU's are properly sealed that the curbs to prevent water infiltration
 - **Rooftop Curbs:** Coordinate curb heights with the roofing material on the roof slope drawings to ensure the correct curb is ordered and extra field work is not needed to ensure the curbs are the correct
 - **Kitchen:** Interlock between the exhaust hood, exhaust fans, and fire alarm – this is a continuous problem.
 - **Drains at Freezers –** Install condensate drains at freezers and refrigerators in an area that is not subject to traffic or damage but can be serviced
 - **Depressed Slabs:** Depressed slabs at freezers and refrigerators to reduce the ramp needed at the door.
 - **Parking Lot –** Install early, install the base coat and use the paved areas to identify soft or pumping locations.
 - **Clear Story –** Getting the building up to the highest structural elevation so the other trades can work to get the building dried in early – especially to beat impending inclement weather
 - **Roof Features:** No light monitors sky lights etc. and avoid features on the roof that can cause maintenance issues in the future and constructability issues during the installation.

Please see Volume III, TAB 1 QUALIFICATIONS AND EXPERIENCE, b. Experience for additional information.

Firm Representative Project 3.

Project Name: **Floyd E. Kellam High School**

Project Address: 2665 W. Neck Road, Virginia Beach, Virginia 23456

Owner's Name: Virginia Beach City Public Schools

Address: 2512 George Mason Drive, Virginia Beach, Virginia 23456

Phone Number: 757.263.1090

Contact: Anthony (Tony) Arnold, Executive Director of Facilities Services

Architect's Name: HBA Architecture & Interior Design, Inc.

Address: One Columbus Center, Suite 1000, Virginia Beach, Virginia 23462

Phone Number: 757.622.2828

Contact: C. Michael Ross, AIA, REFPAIA, REFP

Key Lessons Learned:

- Utilizing Building Information Modeling (BIM) early on to detect clashes and potential conflicts. In particular, S.B. Ballard knew the design contained a very tight courtyard in the exact area where numerous utilities were to enter the building. Utilities included 4 -12" Geothermal Lines, 4-6" Power Main Lines, 60-4" Power Secondary Lines, a Transformer, 2 Emergency Generators, Grease Trap, Sewer Lines, Storm Lines, Gas Lines, Data Conduits, as well as Domestic Water Mains. With 3D modeling, S.B. Ballard was able to accurately coordinate all utilities at proper depths. By resolving the inevitable conflicts before construction started, S.B. Ballard was able to eliminate job delays and ultimately save hundreds of thousands of dollars in rework.

Please see Volume III, TAB 1 QUALIFICATIONS AND EXPERIENCE, b. Experience for additional information.

Firm Representative Project 4.

Project Name: **Cardinal Elementary School**

Project Address: 1745 Catalina Drive, Richmond, Virginia

Owner's Name: AECOM (Owners Representative)

Address: 7870 Villa Park Drive, Richmond, Virginia 23228

Phone Number: 804.646.6312

Contact: Michael McIntyre

Architect's Name: RRMM Architects

Address: 115 South 15th Street, Suite 202, Richmond, Virginia 23219

Phone Number: 804.277.2633

Contact: Dan Weigand

Please see Volume III, TAB 1 QUALIFICATIONS AND EXPERIENCE, b. Experience for additional information.

Firm Representative Project 5.

Project Name: **J.R. Tucker High School**

Project Address: 2910 N. Parham Road, Richmond, Virginia 23294

Owner's Name: Henrico County Public Schools

Address: 7870 Villa Park Drive, Richmond, Virginia 23228

Phone Number: 804.652.3895

Contact: Dr. Nicole Olivencia

Architect's Name: Moseley Architects

Address: 3200 Norfolk Street, Richmond, Virginia 23230

Phone Number: 804.399.7933

Contact: Scott Shady

Please see Volume III, TAB 1 QUALIFICATIONS AND EXPERIENCE, b. Experience for additional information.

4. Staffing: Describe how your firm would staff this project. The Proposal must include a description of the duties and responsibilities of all key Project team members and an organizational chart indicating the title or function of each individual and the reporting structure and functional relationships between the team members.

EXECUTIVE LEADERSHIP

As an experienced general contractor, SBBCC has developed a corporate organizational structure designed to support the each project's needs throughout the multiple phases of the project's life. The combination of departmental functions, experienced and knowledgeable staff, well defined historical documentation and comprehensive processes all linked by enterprise-wide software means SBBCC has the robustness necessary to ensure every project is successfully completed on schedule and within budget.

Our organizational staffing strategy accounts for the various departments involved in a project's development, including pre-construction services, BIM development, quality control, safety, construction and post construction services.

We have assembled an All-Star team to staff the **Schools for the Future** project to set VBCPS up for success. This starts with Mr. Ballard (President | CEO) being involved with the project from the very beginning.



"I wanted to take a moment and thank you for your personal involvement with the Lyman B. Brooks Library at Norfolk State University. When you first interviewed for this project you mentioned you would have personal involvement during the design and construction. During my years of experience, I have heard several Presidents of companies make that statement; however, you are the first that actually did what you said."

William Ballinger, Director of Capital Planning and Improvements
Norfolk State University
(757) 823-2451

Stephen B. Ballard

President • Project Executive

As the founder and owner of SBBCC for 43 years, Stephen B. Ballard has led the company in every single project to include a variety of construction, renovation, and demolition projects. Whether the modernization of five (5) simultaneous elementary schools, a 9-year phased construction project, or a renovation of a fully occupied facility, SBBCC has consistently met or exceeded clients' goals for quality, cost, and schedule.

For each and every project SBBCC undertakes, Mr. Ballard is involved from day one until well after the warranty period and beyond. Working with the Project Team, Mr. Ballard provides leadership through the design process, preliminary pricing, schedule, production, subcontractor selection and development of a logistics plan.



Mr. Ballard and the team will focus on constructability reviews of the drawings as well as opportunities for value engineering. He performs his own review of the drawings and compares his findings to those of the review team. These reviews are a key step in providing solid design documents.

As an example of his thoroughness and attention to detail, Mr. Ballard and the team look at items such as appliances and light fixtures to verify that the Owner is receiving energy-efficient, cost-effective, and long-lasting parts that will be available in the future. Mr. Ballard will also be engaged in bidding and buyout, ensuring the project remains on schedule and within budget.

Construction Management Team

Darrell Polokonis

Senior Project Manager

For the past decade, Mr. Polokonis has provided corporate and financial oversight for significant projects from conception to delivery. He has the necessary experience to deliver even the most complex of construction projects with ease. He will provide executive oversight and support to the Design-Build Project Manager and site-specific Project Manager and Superintendent as well as the job-site team by working closely with them to improve efficiencies, troubleshoot potential problems and allocate resources across the project. His main goal is to deliver a quality facility constructed safely, within the timeframe allowed and within the established budget. Darrell is responsible for the overall direction, completion, and financial outcome of the project on-site.

He maintains oversight of the construction project management and project administration activities from preconstruction through design, construction and close out. He will oversee the completion of the construction documents and work to ensure the project stays on schedule and under budget. Darrell will be responsible for setting strategic direction for the project to maximize the efficiency and productivity of the Construction Team. Darrell will provide leadership to ensure safe, successful, and profitable project outcomes.

Lloyd "TJ" Thomas

Design-Build Project Manager

Mr. TJ Thomas will be responsible for coordinating design and construction efforts and the transition from the design phase to the construction phase. TJ will work with the SBBCC Pre-Construction Team to help create cost-saving ideas and value-added items. He will ensure changes are incorporated throughout the buyout process and ensures any design changes are incorporated into the drawings. Finally, it is his role to guarantee any changes, updates, or original designs, are executed correctly in the field.

Mr. Thomas' style of project management is to take a proactive approach. He will work to identify potential issues before they become problems, and work out a resolution that is agreeable to all team members and in the best interest of the project. Open and frequent communication between all members of the team is critical for success. Mr. Thomas will communicate expectations, requirements, and work plans so there are no surprises.

Pre-Construction Services and Budget

Mark Payne, VP | Pre-construction

Jason Armstrong, VP | Chief Estimator

Mr. Payne and Mr. Armstrong will provide oversight for the entire pre-construction effort from project award through the bidding process, including value engineering and subcontractor awards. The Estimating Leadership Team (Mr. Payne and Mr. Armstrong) will review the plans and specifications for completeness and clarity and assist the Project Management Team in developing complete scopes for each trade to minimize scope gaps and overlays. The Estimating Leadership Team will also assist in tracking, commenting, and verifying that all BCOM comments have been addressed. They are also available to assist the Construction Team throughout the project, long after the pre-construction activities have concluded.

Upon receiving a design package, Mr. Payne and Mr. Armstrong will schedule and participate in constructability reviews and provide value engineering and cost alternative/"best value" solutions. Regardless of the state of the budget, SBBCC provides this as a standard service to determine any and all features that do not incorporate the best value into the project, thus providing the highest quality project within the budget constraints. Best value solutions will not be incorporated into the project design without the agreement of the Owner and the Design Team.

Mr. Payne and Mr. Armstrong will perform a detailed quantitative take-off of the drawings and establish an internal conceptual budget. With each design submission, the estimates will be revised until the establishment of the GMP. By working with Candy Hennig, our SwaM Program Manager, during the preparation of the bid packages, consideration will be given to the scope of work to allow the maximum participation by SWaM-certified subcontractors.

Mr. Payne and Mr. Armstrong will be in charge of presenting subcontractor proposals, estimates and suggested design changes to the Owner and will continue to work with SBBCC's Project Management Team throughout the project by participating in periodic reviews of drawing and pricing changes.



In House Specialists

Tim Patterson

Vice President • Mechanical Engineer

Mr. Patterson will work with the Project Team to ensure that all mechanical, electrical, and plumbing (MEP) systems are fully functional and operate as designed and expected prior to project completion. Throughout the integrated design process (IDP), Mr. Patterson will collaborate with all members of the project team—owners and managers; architects, engineers and other design consultants; contractors, suppliers, manufacturers and the energy modeler to ensure the interaction of all systems, components, building materials and construction techniques are evaluated before the final design is reached.

MEP Quality Management, Commissioning and Sustainability: In today's high-tech, sustainable (green) buildings, commissioning is no longer viewed as an afterthought or a process to be performed just before occupancy, but an integral part of the overall quality management and sustainability process. As such, commissioning now assumes an active role that starts during the design process, measures how closely all building systems in operation match the design intent, and makes corrections and adjustments when performance falls short. With optimal performance being the key to controlling long-term operational costs, commissioning strengthens performance in three (3) ways:

- By fine-tuning all systems as they interact with one another
- By generating a library of documentation—records, as-built drawings and operations and maintenance manuals—that can be used to evaluate and rectify system performance over the life of the building
- By training operations personnel in the management and maintenance of today's complex systems



SBBCC ORGANIZATIONAL CHART



5. Personnel experience: For all designated key personnel (i.e.: project manager, superintendent, preconstruction manager (CM at Risk and JOC only), etc.), describe the background and experience that would qualify him or her to serve successfully on this project.

See Volume III, TAB 1 QUALIFICATIONS AND EXPERIENCE, b. Experience for team resumes and reference project-specific information in the completed, "CO-16 Crosswalk of Firm and Key Personnel Experience."

6. Provide additional attachments, as required, in response to any additional agency-specified prequalification criteria provided in the RFQ.

STATE CORPORATION FORM

State Corporation Commission Form

Virginia State Corporation Commission (SCC) registration information. The bidder: **S.B. Ballard Construction Company**

☒ is a corporation or other business entity with the following SCC identification number: **0390535-3-OR-**

☐ is not a corporation, limited liability company, limited partnership, registered limited liability partnership, or business trust **-OR-**

☐ is an out-of-state business entity that does not regularly and continuously maintain as part of its ordinary and customary business any employees, agents, offices, facilities, or inventories in Virginia (not counting any employees or agents in Virginia who merely solicit orders that require acceptance outside Virginia before they become contracts, and not counting any incidental presence of the bidder in Virginia that is needed in order to assemble, maintain, and repair goods in accordance with the contracts by which such goods were sold and shipped into Virginia from bidder's out-of-state location) **-OR-**

☐ is an out-of-state business entity that is including with this bid an opinion of legal counsel which accurately and completely discloses the undersigned bidder's current contacts with Virginia and describes why those contacts do not constitute the transaction of business in Virginia within the meaning of § 13.1-757 or other similar provisions in Titles 13.1 or 50 of the Code of Virginia.

****NOTE**** >> Check the following box if you have not completed any of the foregoing options but currently have pending before the SCC an application for authority to transact business in the Commonwealth of Virginia and wish to be considered for a waiver to allow you to submit the SCC identification number after the due date for proposals (the Commonwealth reserves the right to determine in its sole discretion whether to allow such waiver): ☐



INTEGRITY. INNOVATION. DIVERSITY.

Our mission is to provide unmatched customer service by constructing superior quality projects delivered on time and on budget. Our team strives to not only deliver world-class projects, but to also provide opportunities for small, disadvantaged contractors to grow and thrive through our projects.

As a small business ourselves, we understand that key small business subcontractors are the lifeblood of any successful project. Our team maintains a commitment to the small, disadvantaged business community in the Commonwealth of Virginia.





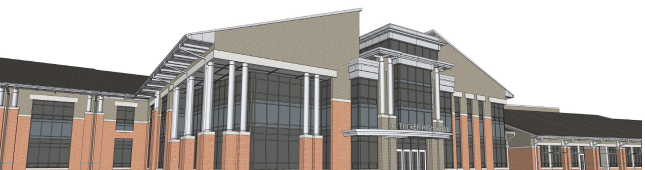
One of our greatest strengths is in our relationships with various top firms in the Virginia small, disadvantaged subcontractors and supplier market, and in our knowledge of their qualifications and capabilities. This allows us to provide broad foundational growth that is both long lasting and far reaching in its positive impact to our community.

Please see the following pages for the completed, “CO-16 Crosswalk of Firm and Key Personnel Experience.”



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CO-16 Crosswalk of Firm and Key Personnel Experience

Firm's Representative Projects	Firm's Role in Project	Project Delivery Method	Pre-Construction Services Provided?	Project Size	Project Similarities	Project Status and Schedule	Project Cost Data	Non-Owner Requested Change Orders	KEY PERSONNEL PARTICIPATION IN FIRM'S REPRESENTATIVE PROJECTS			
Project 1 - Norfolk Public Schools Modernization, Norfolk, Virginia	Design - Builder	Design-Build (PPEA)	Yes	Southside STEM Academy 181,489 SF Richard Bowling Elementary 101,060 SF Larchmont School 92,655 SF Ocean View Elementary 92,286 SF Camp Allen Elementar 97,492 SF Total 564,982 SF	The project involved the design and construction of five schools on five different sites. Academic Wing Administration Area Media Center Cafeteria Art Classrooms Nature Classroom Music Classrooms Main Gymnasium Seating 200 Flexible Bleachers K-5 Gym Locker Rooms Health Classrooms Kitchen Service Rooms Energy Star Certified	100% 10/14/2019 10/30/2019	\$132,518,566 \$128,004,346 \$4,514,220 Credit 4%	0	Polokonis(Sr. Project Manager; 60 months); Thomas (Project Manager 60 Months) Payne (PreConstruction 30 Months) Armstrong (Pre Construction 30 Months)			
Project 2 - Wise County High Schools, Union High School - Big Stone Gap, VA Central High School - Wise VA Construction of two high schools 127,000 SF	Design - Builder	Design-Build (PPEA)	Yes	258,546 SF Total for Two New Schools	Each 129,273 SF building includes an Auditorium with capacity of 800 seats Gym with 1,500 seats 3 girls' locker rooms 3 boys' locker rooms 40 classrooms Modern media center Elaborate arts wing 2 new and fully equipped science labs 6 computer labs Wireless technology throughout the building Enhanced surveillance and safety measures Dining and kitchen space consisting of 22,215 SF	100% 01/08/2014 01/08/2014	\$45,339,179 \$50,000,000 \$4,660,821 9%	0	Payne (Preconstruction Services Manager, 12 months)			
Project 3 - New Floyd E. Kellam High School Virginia Beach, Va Construction of a 336,410 SF High School in Virginia Beach, Virgini, to provide 21st Century learning to 2,000 students. The project will provide six Learning Communities; Technical/Career Education, Visual Arts, Music/Performing Arts, Gymnasium/Physical Education, Schola, Media Center, Admin/Welcome Center, Guidance Center, Cafeteria/Food Services, and Custodial/Building Services.	Prime/GC	Design-Bid-Build	SBBCC coordinated with HBA on value engineering and life-cycle analysis before construction to lower cost by \$10 million.	New 336, 410 SF High School	The project consisted of the construction of a two-story high school of approximately 336,410 SF that accommodates six (6) communities of about 330 students, each with its own section. It has one main library, a courtyard with waterfall, a garden, and a 2,940 SF, 150-seat black box theatre. The school has an educational courtyard, outdoor classrooms, a gymnasium, and athletic facilities. LEED Silver Certification.	100% 02 April 2014 January 2014	\$70,577,790 \$74,787,701 \$4,209,911 6% 30 Change Orders	0	Polokonis(Sr. Project Manager; 28 months); Thomas (Project Manager 28 Months) Payne (PreConstruction 12 Months)			
Project 4 - Cardinal Elementary, Richmond, VA New two story elementary school building totaling 116,497 square feet.	CM	CM	Yes	New 116,497 SF Elementary	New two story elementary school building totaling approximately 116,497 square feet, including: Academic Classrooms, cafetorium, gym, music room, clinic, A/V equipment room, project based learning space, flex space, computer lab, orchestra, teacher work space, bathrooms, commercial kitchen, and administration offices.	92% Phase 1 23 Oct, 2020 Phase 2 - Scheduled completed 02 July 2021	\$1,256,031 \$37,691,476 7 Change Orders	0	Polokonis(Sr. Project Manager; 29 months) Thomas (Project Manager 29 Months) Payne (PreConstruction 6 Months)			
Project 4 - J.R. Tucker High School Henrico County, VA Construction of a 265,101 sf new high school.	CM	CM	Yes	New 265,101 SF High School	New High School kitchen with food service equipment, dining commons, a 3-court gymnasium, 1,100 seat auditorium, multi-media center, general classrooms, career technical and technology areas, and administration areas, athletic facilities include a new football stadium with an 8-lane track with competition grade surfacing, synthetic turf field, including grandstands and press box, new concessions building, new fieldhouse, new bus loop and bus canopy and new parking area.	92% Phase 1 01 Aug, 2021 Phase 2 - Scheduled completed 16 June 2022	\$92,702,204 \$94,840,513 2,138,039 9 Change Orders	0	Polokonis(Sr. Project Manager; 29 months) Thomas (Project Manager 29 Months) Armstrong (Chief Estimator 4 Months)			

SEE DATA REQUIRED AT MULTIPLE TABS!!



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DGS-30-172

CO-16 Crosswalk of Firm and Key Personnel Experience

(04/15)

KEY PERSONNEL FOR OUR PROJECT	KEY PERSONNEL REPRESENTATIVE PROJECTS	Role	Project Delivery Method	Project Size	Project Similarities	Project Status and Schedule	Project Cost Data	Non-Owner Requested Change Orders
Polokonis (Sr. project manager); 96 months, 100%.	Firm Representative Projects 1,3,4 and 5 (SEE DATA AT PRIOR SHEET)	N/A - firm representative project WITH DETAILS PROVIDED ON PRIOR SHEET; NO NEED TO RE-LIST HERE!	N/A	N/A	N/A	N/A	N/A	N/A
Thomas (project Manager); 96 months, 100%	Firm Representative Projects 1,3,4 and 5	N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
Payne (preconstruction); 96 months, 100%	Firm Representative Projects 1,2,3 and 4	N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
Armstrong (chief estimator); 48 months, 50%	Firm Representative Projects 1 and 5	N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
	Project 6: EVMS, Education & Academic Administration Building (Waitzer Hall) Norfolk, VA	Chief Estimator, 8 Months	CM	138,140 SF	Higher Education, sustainable design and construction practices, CM-at-Risk delivery method, multi-story building, interdisciplinary meeting spaces, administrative/ faculty spaces/offices, storage/ security areas, integrated technology, extensive power/data networking requirements, complex MEP systems, and logistical challenges associated with building on an active/urban campus (including vehicle/pedestrian traffic control, parking, student/staff/contractor safety, and utility coordination).	100%; Original Completion Date Phase 1 09/07/2020 Final Completion Date Phase 1 09/07/2020 Phase 2 11/2020	Original Contract Amount \$64,119,617.00 Final Contract Amount \$67,006,416 17 Change Orders \$2,886,799 4%	0- Non-Owner Requested Change Orders



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VI. Small Business Participation on Previous Projects

For the most recent three (3) projects you have completed, provide:

Project #1:

Project Name: [Norfolk State University New Residence Facility](#)

Project Address: [2600 Corprew Avenue, Norfolk, Virginia 23504](#)

Owner's Name: [Norfolk State University](#)

Address: [700 Park Avenue, Norfolk, Virginia 23504](#)

Phone Number: [757.823.8440](#)

Contact: [Terry Woodhouse](#)

Small Business Participation percentage proposed: [42%](#)

Small Business Participation percentage achieved: [55.8%](#)

Project #2:

Project Name: [Virginia National Guard Headquarters at DSCR](#)

Project Address: [800 Jefferson Highway, Richmond VA 23297](#)

Owner's Name: [Department of Military Affairs](#)

Address: [NGVA-FMO-AE | Department of Military Affairs](#)

Phone Number [434.298.6232](#)

Contact: [Derrick Hall, VCCO, PMP, LEED GA](#)

Small Business Participation percentage proposed: [50%](#)

Small Business Participation percentage achieved: [64%](#)

Project #3:

Project Name: [Education & Academic Administration Building \(Waitzer Hall\)](#)

Project Address: [315 Colley Avenue, Norfolk, Virginia 23510](#)

Owner's Name: [Eastern Virginia Medical School](#)

Address: [154 Colley Avenue, Norfolk, Virginia 23510](#)

Phone Number: [757.446.5035](#)

Contact: [Doug Martin](#)

Small Business Participation percentage proposed: [42%](#)

Small Business Participation percentage achieved: [52%](#)

VII. Signatures

The undersigned certifies under oath that the information contained in this Statement of Qualifications and attachments hereto is complete, true and correct as of the date of this Statement.

S.B. Ballard Construction Company

(Name of entity signing this Statement of Qualifications)

By: Name of Signer (print) Jason Armstrong

(Signature in ink)

Title: Vice President

Date: May 28, 2021

Notary

State of: Virginia

County/City of: Virginia Beach

Subscribed and sworn to before me this 28th day of May, 2021.

Notary Public Signature

My commission expires: January 31, 2024

Notary Seal:





TAB 1 | QUALIFICATIONS AND EXPERIENCE

h. DGS Form 30- 168:
HBA

HBA | LEAD ARCHITECT**DGS-30-168**

(Rev. 08/20)

CO-16**CONTRACTOR'S STATEMENT OF QUALIFICATIONS****I. General Information**

- Submitted to: **Virginia Beach City Public Schools**
Address: **2512 George Mason Dr., Virginia Beach, Virginia 23456**

- Name of Project: **Virginia Beach City Public Schools PPEA**

Project Code Number:

- Type of work you wish to qualify for: **Design**

- Contractor's Name: **HBA Architecture & Interior Design, Inc.**

Mailing Address: **One Columbus Center, Suite 1000**
Virginia Beach, VA 23462

Street Address: (If not the same as mailing address)

Web site: **www.hbaonline.com**Telephone Number: **757.490.9048**Contact Person: **C. Michael Ross, AIA, REFP, President**Contact Person's Phone Number: **(757) 323-2209 (mobile)**State Contractor's License Number: **0407004357 (HBA Architecture & Interior Design, Inc.)**

Designated Employee Registered with the Virginia Board for Contractors:
C. Michael Ross, AIA, REFP

Provide the name and title, direct telephone number (including extension), pager number, cellular telephone number and direct e-mail address of the highest ranking individual within the organization that will have oversight responsibility for the organization's involvement with the Project (if not the designated contact person above):

Highest Ranking Individual:	Stephen B. Ballard, Owner/President
Direct Telephone Number:	757.440.5555
Cellular Telephone Number:	757.647.5555
Direct E-mail Address:	steve@sbballard.com

If different from the location provided above, provide the organization's local or regional office information (including physical address, mailing address, telephone number, facsimile number and main e-mail address or web site address) to be used in delivering the requested services to be provided on the Project:

Provide the number of years that the organization has been providing services similar to those requested by this RFQ, including a delineation of this information for both the headquarters location and the local or regional office (as appropriate) that will be used in delivering the requested services on the Project.

46 years

5. Check type of organization:

Corporation ☒ Partnership _____
Individual _____ Joint Venture _____
Other (describe) _____

If the Proposal is being made by a legal joint venture, the response must include the information required within this section of the CO16 for both organizations that constitute the joint venture and a copy of the joint venture agreement must be attached.

N/A

6. If a corporation –

State of Incorporation: **VA**

Date of Incorporation: **May 06, 1908**

Federal I.D. #: **54-1138958**

<u>Officers</u>	<u>Name</u>	<u>Years in Position</u>
Chief Executive Officer		
Chief Financial Officer		
President	C. Michael Ross, AIA	2
Vice President	Joseph Boyee, AIA	2
	Michael J. Winner, AIA	2
Secretary	Joseph A. Miller, AIA	2
Treasurer	Michael P. Molzahn, AIA	2

Office Manager of local office that will have primary responsibility for delivering this project: **C. Michael Ross, AIA**

Are you a Subchapter S Corporation? **Yes** No

7. If a partnership –

Date organized **N/A**
Type of partnership: **N/A**
List of General Partners: **N/A**

Name Phone # Years as G.P.

8. If individually owned - Years in Business: **N/A**

9. Have you ever operated under another name? **Yes** No

If yes –

Other name: **Hargrove Brockwell & Associates**
Number of years in business under this name: **24**
State license number under this name: **same as previous**

Other name: **Service, Hargrove & Brockwell, Ltd**
Number of years in business under this name: **4**
State license number under this name: **same as previous**

Other name: **Service & Hargrove, Ltd**
Number of years in business under this name: **5**
State license number under this name: **same as previous**

10. Department of Small Business and Supplier Diversity (DSBSD) Certifications:

Check all that apply:

Micro Business <u> </u>	DSBSD Certification No.: <u> </u>
Small Business <u> X </u>	DSBSD Certification No.: 651684
Small Woman Owned Business <u> </u>	DSBSD Certification No.: <u> </u>
Small Minority Owned Business <u> </u>	DSBSD Certification No.: <u> </u>
Service Disabled Veteran Owned Business <u> </u>	DSBSD Certification No.: <u> </u>

II. **Bonding** **NOT APPLICABLE**

As the architectural firm we would not be bonding this project that would be our General Contractor, S. B. Ballard Construction Company

Since 1974, HBA has continually maintained its professional liability insurance. Our current carrier information is as follows:

Local Agent : McGriff Insurance Services, Inc.
(BB&T Insurance Services, Inc.) 2108 W. Laburnum Ave, Suite 301
Richmond, Virginia 23227

Coverage: \$3,000,000 Per Claim / \$5,000,000 Aggregate

Provide a letter from your surety company listing your organization's current single Project and total Projects bonding capacity, including such information for the local or regional office that will be used in delivering the services to be provided on the Project (if the local or regional office is separately bonded); attach this letter to the Form CO-16. For projects that are applying for bonding under the Self-Bonding Program, contact Owner for submission requirements.

1. Bonding Company's name:

Representative (Attorney-in-fact):

2. Is the Bonding Company listed on the United States Department of the Treasury list of acceptable surety corporations?

Yes ___ No ___

3. Is the Bonding Company licensed to transact surety business in the Commonwealth of Virginia?

Yes ___ No ___

4. Describe the capacity the organization has to meet the project schedule and demands. Include an analysis of current workload.

III. **Judgements**

In the last ten (10) years, has your organization, or any officer, director, partner or owner, had judgments entered against it or them for the breach of contracts for construction?

Yes ___ No ☒

If yes, on a separate attachment, state the person or entity against whom the judgment was entered, give the location and date of the judgment, describe the project involved, and explain the circumstances relating to the judgment, including the names, addresses and phone numbers of persons who might be contacted for additional information.

IV. **Convictions and Debarment**

If you answer yes to any of the following, on a separate attachment, state the person or entity against whom the conviction or debarment was entered, give the location and date of the conviction or debarment, describe the project involved, and explain the circumstances relating to the conviction or debarment, including the names, addresses and phone numbers of persons who might be contacted for additional information.

1. In the last ten (10) years, has your organization or any officer, director, partner, owner, project manager, procurement manager or chief financial officer of your organization:

- a. ever been fined or adjudicated of having failed to abate a citation for building code violations by a court or local building code appeals board?
Yes ___ No ☒
 - b. ever been found guilty on charges relating to conflicts of interest?
Yes ___ No ☒
 - c. ever been convicted on criminal charges relating to contracting, construction, bidding, bid rigging or bribery?
Yes ___ No ☒
 - d. ever been convicted: (i) under Va. Code Section 2.2-4367 et seq. (Ethics in Public Contracting); (ii) under Va. Code Section 18.2-498.1 et seq. (Va. Governmental Frauds Act); (iii) under Va. Code Section 59.1-68.8 et seq. (Conspiracy to Rig Bids); (iv) of a criminal violation of Va. Code Section 40.1-49.4 (enforcement of occupational safety and health standards); or (v) of violating any substantially similar federal law or law of another state?
Yes ___ No ☒
 - e. ever been convicted on charges relating to employment of illegal aliens on construction projects?
Yes ___ No ☒
2. a. Is your organization or any officer, director, partner or owner currently debarred or enjoined from doing federal, state or local government work for any reason?
Yes ___ No ☒
 - b. Has your organization or any officer, director, partner or owner ever been debarred or enjoined from doing federal, state or local government work for any reason?
Yes ___ No ☒

V. **Compliance**

If you answer yes to any of the following, on a separate attachment give the date of the termination order, or payment, describe the project involved, and explain the circumstances relating to same, including the names, addresses and phone numbers of persons who might be contacted for additional information.

1. Has your organization:
 - a. ever been terminated on a contract for cause?
Yes ___ No ☒

- b. within the last five (5) years, made payment of actual and/or liquidated damages for failure to complete a project by the contracted date?

Yes ___ No ☒

2. Has your organization, in the last three (3) years, received a final order for willful and/or repeated violation(s) for failure to abate issued by the United States Occupational Safety and Health Administration or by the Virginia Department of Labor and Industry or any other government agency?

Yes ___ No ☒

3. Have any Performance or Payment Bond claims ever been paid by any surety on behalf of your organization?

Yes ___ No ☒

4. Has your organization been **more than thirty (30) days late, without good cause**, in achieving the contracted substantial completion date where there was no liquidated damages provision on more than two (2) projects in the last three (3) years?

Yes ___ No ☒

5. Has your organization **finally completed a project** more than ninety (90) days after achieving substantial completion on two (2) or more projects in the last three (3) years, for reasons within the contractor's control? Documented delay of delivery of material necessary to perform remaining work or seasonal conditions that bear on performing the work or operating specific equipment or building systems shall be considered in litigation.

Yes ___ No ☒

6. Has your organization **received more than two (2) cure notices** on a single project in the past two (2) years and/or more than one (1) cure notice on five (5) separate projects in the past five (5) years?

Yes ___ No ☒

7. Has your organization **had repeated instances** on a project of **installation and workmanship deviations which exceed the tolerances of the standards referenced** in the contract documents? Documentation of such instances shall be the written reports and records of the Owner's representatives on the project.

Yes ___ No ☒

IV. Experience

1. Attach a list of all projects, giving project name, location, size, dollar value, and completion date for each that your organization has **completed** in the last ten (10) years.

The following list represents HBA's wide range of completed projects of Annual Services Term Contracts

Our service term contracts, each with multiple completed projects orders each having varied construction cost include:

- Virginia Beach City Public Schools Annual Services Contract. Ongoing contract held since 1994.
- Old Dominion University Annual Services Contract. Contract held from 2012 to 2017
- City of Chesapeake Public Schools Annual Services Contract. Ongoing contract held since 2014.
- City of Chesapeake Annual Services Contract. Ongoing contract held since 2012.
- City of Virginia Beach Annual Services Contract. Ongoing contract held since 2018.
- Williamsburg-James City County Public Schools Annual Services Contract. Ongoing contract held since 1998.
- Virginia Department of Transportation. Ongoing contract held since 2006.
- Chesterfield County Annual Services Contract. Ongoing contract held since 2018.

Additional projects with similar clients and similar in scope include:

PROJECT NAME	LOCATION	SIZE (SF)	DOLLAR VALUE (CONSTRUCTION COST)	COMPLETION DATE	CONTACT INFORMATION
Renovations to the Church of the Holy Family Catholic Church	Virginia Beach, VA	9,614	\$2,430,186.00	2021	1279 N. Great Neck Road Virginia Beach, VA 23454
Virginia Beach United Methodist Church North Wing Replacement	Virginia Beach, VA	24,000	Not disclosed	2021	Virginia Beach United Methodist Church 757.428.7727
Larrymore ES Re-Roofing	Norfolk, VA	52,800	\$1,792,115.00	2021	Norfolk Public Schools Mr. David Gaskins, Senior Coordinator of Facilities Management & Capital Projects dgaskins@nps.k12.va.us 757.628-3385
Willard ES Reroofing	Norfolk, VA	80,640	\$1,454,524.00	2021	Norfolk Public Schools Mr. David Gaskins, Senior Coordinator of Facilities Management & Capital Projects dgaskins@nps.k12.va.us 757.628-3385

PROJECT NAME	LOCATION	SIZE (SF)	DOLLAR VALUE (CONSTRUCTION COST)	COMPLETION DATE	CONTACT INFORMATION
Lake Taylor HS Re-Roof Phase 4	Norfolk, VA	26,500	\$881,981.00	2021	Norfolk Public Schools Mr. David Gaskins, Senior Coordinator of Facilities Management & Capital Projects dgaskins@nps.k12.va.us 757.628.3385
Department of Military Affairs Cyber Brigade at Ft. Belvoir	Fort Belvoir, VA	41,162	\$13,795,247.00	2021	Department of Military Affairs E. Scott Newcomb, Project Manager 434.298.6458
Chesapeake Fire Station #7 and Police Precinct #6 Facility	Chesapeake, VA	18,400	\$6,353,347.00	2021	City of Chesapeake Wilbur Hogge, Director of Facilities and Construction whogge@cityofchesapeake.net 757.382.8744
932 Office Building Renovations	Chesapeake, VA	10,400	\$1,285,061.00	2021	Chesapeake Public Schools Ms. J. Paige Stutz Chief of Operations paige.stutz@cpschools.com 757.547.1321
27th Street Parking Garage	Virginia Beach, VA	8 levels, 426 spaces	Not disclosed	2021	Armada Hoffler Construction Company Chris Harvey Executive Vice President 757.366.6698
John B. Dey Elementary School Modernization	Virginia Beach, VA	64,737 sf reno 42,321 sf add 107,058 sf total	\$23,015,099.00	2020	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
Kempsville HS - Partial Roof Replacement	Virginia Beach, VA	152,623	\$6,105,162.00	2020	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
Accomack Circuit Courthouse - Reroofing and HVAC Replacement	Accomack County, VA		\$1,511,347.00	2020	County of Accomack Stewart Hall, Director of Public Works stewarthall@co.accomack.va.us 757.787.1468
Salem HS - Make Up Air Unit Replacements	Virginia Beach, VA	N/A	\$1,885,293.00	2019	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
SOAR365 Multi-Purpose Facility	Chesterfield County, VA	9,985	\$4,119,986.00	2019	SOAR365 John Walker, President and CEO John.Walker@richmondarc.org 804.35801874

PROJECT NAME	LOCATION	SIZE (SF)	DOLLAR VALUE (CONSTRUCTION COST)	COMPLETION DATE	CONTACT INFORMATION
Prince George County New Fire Station Facility (#7)	Prince George County, VA	10,460	\$2,416,336.00	2019	Prince George Fire and EMS Michael Purvis MPurvis@princegeorgecountyva.gov 804.892.0971
Renovations to Mills E Godwin Courts Building	Suffolk, VA	40,639	\$862,517.00	2019	City of Suffolk Gerry Jones, Director, Capital Programs and Buildings gjones@suffolkva.us 757.923.2079
Lafayette HS Auxiliary Gym Addition	Williamsburg, VA	10,857	\$2,311,114.00	2018	Williamsburg-James City County Public Schools Marcellus Snipes, Senior Director for Operations marcellus.snipes@wjccschools.org 757.565.3838
Salem MS Roof & Partial Rooftop HVAC Replacement	Virginia Beach, VA	174,189	\$2,610,648.00	2018	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
21st Century Learning Environment Improvements for 18 school libraries	Virginia Beach, VA	70,000 sf reno	\$1,600,000.00	2018	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
Kempsville HS Entrepreneurial & Business Academy Renovations & Locker Replacement	Virginia Beach, VA	10,000 sf reno	\$1,506,751.00	2018	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
Dinwiddie County New Government Facilities	Dinwiddie, VA	78,000	\$24,000,000.00	2018	Dinwiddie County Kevin Massengill, Dinwiddie County Administrator kmassengill@dinwiddieva.us 804.469.4500
VDOT Surry AHQ Combination Building	Surry, VA	2,820	\$1,035,422.00	2017	Virginia Department of Transportation Gabriel Walker, Capital Outlay Program Manager gabriel.walker@vdot.virginia.gov 804.371.6729
Accomack County Health Dept Addition/Renovation	Accomack County, VA	14,000	\$2,091,988.00	2017	County of Accomack Stewart Hall, Director of Public Works stewarthall@co.accomack.va.us 757.787.1468

PROJECT NAME	LOCATION	SIZE (SF)	DOLLAR VALUE (CONSTRUCTION COST)	COMPLETION DATE	CONTACT INFORMATION
Kempsville Community Recreation Center Replacement	Virginia Beach, VA	77,000	\$25,328,240.00	2017	City of Virginia Beach Virginia Beach Parks and Recreation Chad R. Morris, PLA, Planning, Design & Development Administrator cmorris@vbgov.com 757.385.1109
Jamestown HS Roof Replacement	Williamsburg, VA	69,100	\$806,964.00	2016	Williamsburg-James City County Public Schools Marcellus Snipes, Senior Director for Operations marcellus.snipes@wjccschools.org 757.565.3838
Salem High School Roof Replacement	Virginia Beach, VA	192,245	\$3,780,001.00	2016	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
St. Pius X Catholic School Selected Renovations	Norfolk, VA	N/A	\$1,906,375.00	2016	The Parish of St. Pius X Catholic Church 757.583.0291
Nansemond Suffolk Academy, North Suffolk Expansion	Suffolk, VA	22,200	\$4,426,036.00	2016	Nansemond Suffolk Academy Association, Inc Debbie Russell drussell@nsacademy.org 757.539.8789 x3304
Deep Creek ES Exterior Wall Envelope Repairs	Chesapeake, VA	N/A	\$728,201.00	2016	Chesapeake Public Schools Ms. J. Paige Stutz Chief of Operations paige.stutz@cpschools.com 757.547.1321
Portsmouth Behavioral Healthcare Center	Portsmouth, VA	31,000	\$4,800,000.00	2015	Old Dominion University R. Dillard George (retired) Director, Facilities Management rdgeorge@odu.edu 757.683.4269
Suffolk Municipal Center / E-911 Call Center	Suffolk, VA	115,000	\$25,729,915.00	2015	City of Suffolk Gerry Jones, Director, Capital Programs and Buildings gjones@suffolkva.us 757.923.2079
Kellam High School	Virginia Beach, VA	350,952	\$73,922,790	2014	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
PSL Properties, LLC (Portsmouth Woman's Club)	Portsmouth, VA	13,000	\$1,300,000.00	2014	Portsmouth Service League Michele Wren 757.472.4338

PROJECT NAME	LOCATION	SIZE (SF)	DOLLAR VALUE (CONSTRUCTION COST)	COMPLETION DATE	CONTACT INFORMATION
Suffolk Police Admin Expansion	Suffolk, VA	10,000 sf addition	\$2,321,400.00	2014	City of Suffolk Gerry Jones, Director, Capital Programs and Buildings gjones@suffolkva.us 757.923.2079
Elizabeth River Park Redevelopment	Chesapeake, VA	10.3 acres	\$2,947,011.00	2014	City of Chesapeake Wilbur Hogge, Director of Facilities and Construction whogge@cityofchesapeake.net 757.382.8744
Chesapeake Beach Fire & EMS Station	Virginia Beach, VA	13,900 sf	\$3,686,830.00	2013	City of Virginia Beach Tim Oliver, NCARB, Department of Public Works Facilities Design and Construction toliver@vbgov.com 757.385.1841
Chesapeake Public Library - South Norfolk Memorial Library at Gateway	Chesapeake, VA	17,023	\$1,960,000.00	2013	City of Chesapeake Wilbur Hogge, Director of Facilities and Construction whogge@cityofchesapeake.net 757.382.8744
Jamestown HS Auxiliary Gym	Williamsburg, VA	6,539	\$1,708,018.00	2012	Williamsburg-James City County Public Schools Marcellus Snipes, Senior Director for Operations marcellus.snipes@wjccschools.org 757.565.3838
Cox HS Roof Replacement	Virginia Beach, VA	176,489	\$2,747,904.00	2012	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
Princess Anne HS Cooling Tower, Boilers, 500 Hall HVAC Replacement	Virginia Beach, VA	N/A	\$830,512.00	2012	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
Williams Farm Community Recreation Center	Virginia Beach, VA	70,993	\$26,715,400.00	2012	City of Virginia Beach Virginia Beach Parks and Recreation Chad R. Morris, PLA, Planning, Design & Development Administrator cmorris@vbgov.com 757.385.1109
Portsmouth Judicial Center	Portsmouth, VA	206,000	\$51,978,000.00	2012	City of Portsmouth James Wright, PE, City Engineer wrightj@portsmouthva.gov 757.393.8592

PROJECT NAME	LOCATION	SIZE (SF)	DOLLAR VALUE (CONSTRUCTION COST)	COMPLETION DATE	CONTACT INFORMATION
Portsmouth Main Library Finish Selection	Portsmouth, VA	22,500	\$1,250,000.00	2012	City of Portsmouth James Wright, PE, City Engineer wrightj@portsmouthva.gov 757.393.8592
Red Mill ES Outside Air Unit Replacement	Virginia Beach, VA	N/A	\$764,492.00	2011	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
Children's Museum of Virginia	Portsmouth, VA	72,000	\$6,018,345.00	2011	City of Portsmouth Nancy Perry 757.393.8983

2. Attach a list of your organization's projects in progress, if any, at the time of this statement. At a minimum, provide project names and addresses, contract amounts, percentages complete and contact names and numbers for the architects and owners.

PROJECT NAME	LOCATION	SIZE (SF)	ESTIMATED CONSTRUCTION COST	CURRENT PHASE	CONTACT INFORMATION
Midlothian Library	Chesterfield County, VA	25,000	\$17,900,000.00	Design	Chesterfield County Jasna Elswick, LEED AP BD+C ElswickJ@chesterfield.gov 804.717.6448
New Vehicle Maintenance Facility	Chesterfield County, VA	22,170	\$11,890,000.00	Bidding	Chesterfield County Jasna Elswick, LEED AP BD+C ElswickJ@chesterfield.gov 804.717.6448
Fire Station #8 (Deep Creek)	Chesapeake, VA	16,400	\$6,000,000.00	Design	City of Chesapeake Wilbur Hogge, Director of Facilities and Construction whogge@cityofchesapeake.net 757.382.8744
Virginia Beach United Methodist Church North Wing Replacement	Virginia Beach, VA	24,000	\$4,607,818.00	CA	Virginia Beach United Methodist Church 757.428.7727

PROJECT NAME	LOCATION	SIZE (SF)	ESTIMATED CONSTRUCTION COST	CURRENT PHASE	CONTACT INFORMATION
Satellite Maintenance Facility (Schools Maintenance Facility)	Chesapeake, VA	48,713	\$4,000,000.00	Bidding	City of Chesapeake Wilbur Hogge, Director of Facilities and Construction whogge@cityofchesapeake.net 757.382.8744
Prince George Fire Station No. 5	Prince George County, VA	6,400	\$2,742,050.00	Design only	Prince George Fire and EMS Michael Purvis MPurvis@princegeorgecountyva.gov 804.892.0971
Croaker AHQ Combination Building	Croaker, VA	10,200	\$1,408,000.00	on hold per VDOT	Virginia Department of Transportation Gabriel Walker, Capital Outlay Program Manager gabriel.walker@vdot.virginia.gov 804.371.6729
Eastville AHQ Combination Building	Eastville, VA	10,200	\$1,310,000.00	on hold per VDOT	Virginia Department of Transportation Gabriel Walker, Capital Outlay Program Manager gabriel.walker@vdot.virginia.gov 804.371.6729
Smithfield AHQ Combo Building	Smithfield, VA	10,200	\$1,236,000.00	on hold per VDOT	Virginia Department of Transportation Gabriel Walker, Capital Outlay Program Manager gabriel.walker@vdot.virginia.gov 804.371.6729
Red Mill ES Roof Replacement	Virginia Beach, VA	70,820	\$1,154,000.00	CA	Virginia Beach City Public Schools Anthony Arnold, PE, Director of Facilities Planning Anthony.Arnold@vbschools.com 757.263.1090
Stony Creek AHQ Combo Building	Stony creek, VA	3,034	\$945,919.00	Design done	Virginia Department of Transportation Gabriel Walker, Capital Outlay Program Manager gabriel.walker@vdot.virginia.gov 804.371.6729
Keller Ropes Course	Chesapeake, VA	N/A	\$300,000.00	Designed	City of Chesapeake Wilbur Hogge, Director of Facilities and Construction whogge@cityofchesapeake.net 757.382.8744
South Norfolk Municipal Office Building & Parking Deck Concept Design	Chesapeake, VA	30000 sf 240 space 3 level garage	N/A	SD	City of Chesapeake Wilbur Hogge, Director of Facilities and Construction whogge@cityofchesapeake.net 757.382.8744

3. If this statement is for a particular project, identify three (3) projects from those identified in 1 and 2 above which are most relevant or similar to the project(s) for which you are seeking prequalification; these projects are designated as your "Firm's Representative Projects" and will also be included on Attachment 3, "CO-16 Crosswalk of Firm and Key Personnel Experience".

Firm Representative Project 1.

Project Name: **Kellam High School**

Project Address: 2665 W Neck Rd, Virginia Beach VA 23456

Owner's Name: Virginia Beach City Public Schools
 Address: 1568 Corporate Landing Parkway, Suite 200, Virginia Beach, VA 23454
 Phone Number: 757.263.1090
 Contact: Anthony Arnold, Director of Facilities
 Architect's Name: HBA Architecture & Interior Design, Inc.
 Address: One Columbus Center, Suite 1000, Virginia Beach, VA 23462
 Phone Number: 757.490.9048
 Contact: C. Michael Ross, AIA, REFP

Cost growth was less than 10%.

Project was completed 3 months early.

Describe key lessons learned:

Engaging students in the planning and design process leads to powerful and relevant innovation and engages the students in their own learning through hands-on project-based learning experiences.

Engaging teachers and administrators in the planning and design process leads to stakeholder buy-in and sets the stage for optimizing their understanding and utilization of the new learning spaces.

Engaging in a partnership approach with the contractor(s), versus an adversarial approach, improves the entire project team's probability for success.

High school students no longer want dedicated lockers.

Building design alone cannot effect culture shifts in learning methodology – the teaching organization must be preemptively or concurrently adopting new strategies to support the desired learning methodologies.

A holistic integrated approach to achieving sustainable design achieves the best results for the least cost.

Firm Representative Project 2.

Project Name: John B. Dey Elementary School Modernization

Project Address: 1900 North Great Neck Road, Virginia Beach, VA 2345
 Owner's Name: Virginia Beach City Public Schools
 Address: 1568 Corporate Landing Parkway, Suite 200, Virginia Beach, VA 23454
 Phone Number: 757.263.1090
 Contact: Anthony Arnold, Director of Facilities
 Architect's Name: HBA Architecture & Interior Design, Inc.
 Address: One Columbus Center, Suite 1000, Virginia Beach, VA 23462
 Phone Number: 757.490.9048
 Contact: C. Michael Ross, AIA, REFP

Cost growth less than 10%

Schedule growth less than 10%

Describe key lessons learned:

Keeping students safe, dry, warm, and learning during the construction process is concern no.1.

It is extremely important to factor in the necessarily sequential aspects of building and site systems infrastructure improvements into the construction phasing.

You cannot overestimate the number of unforeseen conditions that will arise in a complicated renovation project.

Providing the right furniture – flexible, mobile and durable - has a tremendous impact of the quality of learning environments.

Firm Representative Project 3.

Project Name: **Kempsville Community Recreation Center**
 Project Address: 800 Monmouth Lane, Virginia Beach, VA 23464

Owner's Name: City of Virginia Beach
 Address: Municipal Center, Virginia Beach, VA 23456
 Phone Number: 757.385.1902
 Contact: Kevin Jensen, Director of Public Works/Engineering

Architect's Name: HBA Architecture & Interior Design, Inc.
 Address: One Columbus Center, Suite 1000, Virginia Beach, Virginia 23462
 Phone Number: 757.490.9048
 Contact: C. Michael Ross, AIA, REFP

Cost growth less than 10%

Schedule growth less than 10%

Describe key lessons learned:

Keeping students safe, dry, warm, and learning during the construction process is concern no.1.

It is extremely important to factor in the necessarily sequential aspects of building and site systems infrastructure improvements into the construction phasing.

You cannot overestimate the number of unforeseen conditions that will arise in a complicated renovation project.

Providing the right furniture – flexible, mobile and durable - has a tremendous impact of the quality of learning environments.

4. Staffing: Describe how your firm would staff this project. The Proposal must include a description of the duties and responsibilities of all key Project team members and an organizational chart indicating the title or function of each individual and the reporting structure and functional relationships between the team members.

HBA Architecture & Interior Design's reputation is defined by the success of every project we deliver. When our clients entrust us with the critical task of creating quality, sustainable architecture, we achieve that goal through innovative thinking, exceptional design and unmatched client service. Founded on the principles of integrity and excellence, HBA remains committed to providing solutions that enhance our clients' lives and businesses, our community, and the environment. Since 1974, HBA has pursued these goals, and takes pride in the successes that have earned us a well-respected name throughout the region.

HBA Architecture & Interior Design is a leader in educational facility planning and design. Your HBA team is experienced and flexible and can easily solve any issue that arises. We have anchored our team with one of HBA's Community Studio Leaders and Principal, C. Michael Ross, AIA, REFP. As Design Project Manager, Mr. Ross will assume overarching responsibility for the project(s).

With HBA's vast experience with School Projects, our Team possesses a great ability to understand and react to the demands posed by VBCPS. We have assembled our project team based on the commitment to providing exceptional service and cost effective solutions.



5. Personnel experience: For all designated key personnel (i.e.: project manager, superintendent, preconstruction manager (CM at Risk and JOC only), etc.), describe the background and experience that would qualify him or her to serve successfully on this project.

See Section 1.b. Experience for team resumes and reference project-specific information in the completed, "CO-16 Crosswalk of Firm and Key Personnel Experience."

Firm Representative Project 4 (for Crosswalk).

Project Name: **Plaza Annex Office Building Additions**
Project Address: 641 Carriage Hill Rd, Virginia Beach, VA 23452

Owner's Name: Virginia Beach City Public Schools
Address: 1568 Corporate Landing Parkway, Suite 200,
Virginia Beach, VA 23454
Phone Number: 757.263.1090
Contact: Anthony Arnold, Director of Facilities

Architect's Name: HBA Architecture & Interior Design, Inc.
Address: One Columbus Center, Suite 1000, Virginia Beach, VA 23462
Phone Number: 757.490.9048
Contact: C. Michael Ross, AIA, REFP

6. Provide additional attachments, as required, in response to any additional agency-specified prequalification criteria provided in the RFQ.

See the following pages for the completed, "CO-16 Crosswalk of Firm and Key Personnel Experience."



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CO-16 Crosswalk of Firm and Key Personnel Experience

1. The purpose of this tab is to summarize key data from the firm's most relevant, representative projects.

2. It is intended that "Firm Representative Projects" at the first tab be completed before "Key Personnel Experience" at the second tab.

3. It is also intended to "crosswalk" or highlight the experience of the key personnel for our project on these firm representative projects (see last column).

4. The sample data provided at "project 1" is nominal and does not represent an actual project; it is for illustrative purposes only.

5. Note how the key personnel participation examples (see last column on this tab) on these "firm representative projects" crosswalks to the "key personnel" experience at next tab.

SEE DATA REQUIRED AT MULTIPLE TABS!!

Firm's Representative Projects	Firm's Role in Project	Project Delivery Method	Pre-Construction Services Provided?	Project Size	Project Similarities	Project Status and Schedule	Project Cost Data	Non-Owner Requested Change Orders	KEY PERSONNEL PARTICIPATION IN FIRM'S REPRESENTATIVE PROJECTS
Project 1: Kellam High School Replacement	Architect	D-B-B	N/A	350,952 SF (new)	The project was for a new 2,000 student high school. It involved educational planning, educational and admin spaces were provided.	100%. April 2014; January 2014; 3 months early; 11% early.	\$70,577,790; \$74,787,701; \$4,209,911; 6% growth; 30 change orders.	1.8 % growth	Ross (Principal in Charge / Educational Planner; 63 months); Perry (LEED Project Architect, 24 months); Vinson (Construction Administration, 23 months); LeBeau (Project Architect, 16 months); Stanton (Project Manager, 16 months)
Project 2: John B. Dey Elementary School Modernization	Architect	D-B-B	N/A	42,324 sf (new); 64,737 SF (reno); 107,058 SF total modernization	The project consists of the expansion and renovation of a 107,058 sf elementary school into a modernized facility capable of supporting a modern primary school educational program.	100%. April 2020; July 2020; 3 months late; 6.5% growth	\$21,451,000; \$23,018,192; \$1,567,192; 6.5% growth; 38 change orders.	0.5 % growth	Ross (Principal in Charge / Educational Planner, 46 months); Perry (LEED Architect and Construction Administration, 30 months); LeBeau (Project Architect, 12 months); Vinson (Construction Administration, 16 months); Stanton (Project Manager, 14 months)
Project 3: Kempsville Community Recreation Center	Architect	D-B-B	N/A	77,000 SF (new)	The project consists of the replacement of the 45-year old Kempsville Recreation & Community Center with a new state-of-the-art 80,000 square foot community recreation center. This center focuses on improving family recreation opportunities and providing multi-purpose spaces for the community to come together. The building design is situated on the site in a manner to welcome the public in and the transparency of the exterior walls reinforces this notion with the invitation to come join in the fun happening inside.	100%. June 2017; June 2017; 0 months difference; 0% growth.	\$23,860,000; \$24,352,991; \$522,020; 2% growth; 21 change orders.	0.3% growth	Ross (Principal in Charge / Project Architect; 35 months); Perry (LEED Architect and Construction Administration, 35 months); LeBeau (Project Architect, 10 months); Vinson (Construction Administration, 12 months); Stanton (Project Manager, 10 months)



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CO-16 Crosswalk of Firm and Key Personnel Experience

1. The purpose of this form is to highlight relevant key personnel experience.

2. It is intended that "Firm Representative Projects" at the first tab be completed before "Key Personnel Experience" at the second tab.

3. It is also intended to "crosswalk" or highlight the experience of the key personnel for our project on the firm representative projects and on other relevant projects (which may NOT have been one of the 3 firm representative projects on the prior tab).

SEE DATA REQUIRED AT MULTIPLE TABS!!

The data in the "role" though the "non-owner requested change orders" columns is ONLY required for projects that are NOT one of the 3 firm representative projects listed on the previous tab.

KEY PERSONNEL FOR OUR PROJECT	KEY PERSONNEL REPRESENTATIVE PROJECTS	Role	Project Delivery Method	Project Size	Project Similarities	Project Status and Schedule	Project Cost Data	Non-Owner Requested Change Orders
Ross (Principal in Charge / Educational Planner); 86 months, 50%	Firm Representative Projects 1 and 2 and 3	N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
Vinson (Quality Assurance / Quality Control); 24 months, 25%	Firm Representative Projects 1 and 2 and 3	N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
Stanton (Project Manager Building Constructability Specialist); 24 months, 90%.	Firm Representative Projects 1 and 2 and 3	N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
LeBeau (Project Architect); 48 months, 80%	Firm Representative Projects 1 and 2 and 3	N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
Perry (Project Architect and LEED Project Administrator); 86 months, 50%	Firm Representative Projects 1 and 2 and 3	N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
Hasten (Project Manager); 24 months, 50%.		N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
	Project 4	Project Manager, 18 months	D-B-B	50,000 sf		75% complete	10,500; to be determined	To be determined
Hudson (Interior Designer); 36 months, 10%	No Firm Representative Projects	N/A - firm representative project	N/A	N/A	N/A	N/A	N/A	N/A
	Project 4	Interior Designer, 6 months	Project 4	Project 4 data	project 4	Project 4	Project 4	Project 4



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VI. Small Business Participation on Previous Projects

HBA Architecture & Interior Design, Inc is a VA DSBSD business (see SBBCC response)

VIII. Signatures

The undersigned certifies under oath that the information contained in this Statement of Qualifications and attachments hereto is complete, true and correct as of the date of this Statement.

HBA Architecture & Interior Design, Inc.

(Name of entity signing this Statement of Qualifications)

By: Name of Signer (print) Michael Ross AIA REFP


(Signature in ink)

Title: President

Date: May 21, 2021

Notary

State of: Virginia

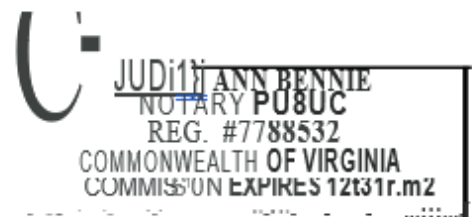
County/City of: Virginia Beach

Subscribed and sworn to before me this 21 day of May, 2021


Notary Public Signature

My commission expires: - 11 Jun, 2022

Notary Seal:



Attachments (to be provided):



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TAB 1 | QUALIFICATIONS AND EXPERIENCE

h. **DGS Form 30- 168:**
RRMM

RRMM ARCHITECT**DGS-30-168**
(Rev. 08/20)**CO-16****CONTRACTOR'S STATEMENT OF QUALIFICATIONS****I. General Information**

1. Submitted to: **Virginia Beach City Public Schools**
Address: **2512 George Mason Dr., Virginia Beach, Virginia 23456**

2. Name of Project: **Virginia Beach City Public Schools PPEA**

Project Code Number:

3. Type of work you wish to qualify for: **Design**

4. Contractor's Name: **RRMM Architects**

Mailing Address: **1317 Executive Blvd #200**
Chesapeake, VA 23320

Street Address: (If not the same as mailing address)

Web site: **www.rrmm.com**

Telephone Number: **757.622.2828**

Contact Person: **Duane Harver**

Contact Person's Phone Number: **757.622.2828**

State Contractor's License Number: **N/A**

Designated Employee Registered with the Virginia Board for Contractors:
N/A

Provide the name and title, direct telephone number (including extension), pager number, cellular telephone number and direct e-mail address of the highest ranking individual within the organization that will have oversight responsibility for the organization's involvement with the Project (if not the designated contact person above):

Highest Ranking Individual:	Duane Harver
Direct Telephone Number:	757.622.2828
Cellular Telephone Number:	757.477.1502
Direct E-mail Address:	dharver@rrmm.com

If different from the location provided above, provide the organization's local or regional office information (including physical address, mailing address, telephone number, facsimile number and main e-mail address or web site address) to be used in delivering the requested services to be provided on the Project:

Provide the number of years that the organization has been providing services similar to those requested by this RFQ, including a delineation of this information for both the headquarters location and the local or regional office (as appropriate) that will be used in delivering the requested services on the Project.

5. Check type of organization:

Corporation ☒ Partnership _____
Individual _____ Joint Venture _____
Other (describe) _____

If the Proposal is being made by a legal joint venture, the response must include the information required within this section of the CO16 for both organizations that constitute the joint venture and a copy of the joint venture agreement must be attached.

N/A

6. If a corporation –

State of Incorporation: **VA**
Date of Incorporation: **May 18, 1988**

Federal I.D. #: **54-1461873**

<u>Officers</u>	<u>Name</u>	<u>Years in Position</u>
Chief Executive Officer	Duane Harver	11 Years
Chief Financial Officer	Phil Meadows	15 Years
President	Duane Harver	11 Years
Vice President	Dan H. Hickok, Jr.	21 Years
Secretary	Robert S. Berz, Jr.	4 Years
Treasurer	Jeff Harris	2 Years

Office Manager of local office that will have primary responsibility for delivering this project: Duane Harver

Are you a Subchapter S Corporation? ☒ Yes ☐ No

7. If a partnership –

Date organized **N/A**
Type of partnership: **N/A**
List of General Partners: **N/A**

Name Phone # Years as G.P.

8. If individually owned - Years in Business: **N/A**

9. Have you ever operated under another name? **Yes** No

If yes –

Other name: **Rodriguez Ripley Maddux Motley Architects**

Number of years in business under this name: 5

State license number under this name: 0405000563

i.

Other name: **Cederquist Rodriguez Ripley Maddux**

Number of years in business under this name: 14

State license number under this name: 0405000563

Other name: **Motley + Associates**

Number of years in business under this name: 10

State license number under this name: 0405000563

10. Department of Small Business and Supplier Diversity (DSBSD) Certifications:

Check all that apply:

Micro Business ☒

Small Business ☒

Small Woman Owned Business ☐

Small Minority Owned Business ☐

Service Disabled Veteran Owned Business ☐

DSBSD Certification No.: _____

DSBSD Certification No.: **652673**

DSBSD Certification No.: _____

DSBSD Certification No.: _____

DSBSD Certification No.: _____

II. **Bonding** **NOT APPLICABLE**

As the architectural firm we would not be bonding this project that would be our General Contractor, S. B. Ballard Construction Company

RRMM has continually maintained its professional liability insurance.

Provide a letter from your surety company listing your organization's current single Project and total Projects bonding capacity, including such information for the local or regional office that will be used in delivering the services to be provided on the Project (if the local or regional office is separately bonded); attach this letter to the Form CO-16. For projects that are applying for bonding under the Self-Bonding Program, contact Owner for submission requirements.

1. Bonding Company's name:

Representative (Attorney-in-fact):
2. Is the Bonding Company listed on the United States Department of the Treasury list of acceptable surety corporations?

Yes ___ No ___
3. Is the Bonding Company licensed to transact surety business in the Commonwealth of Virginia?

Yes ___ No ___
4. Describe the capacity the organization has to meet the project schedule and demands. Include an analysis of current workload.

III. **Judgements**

In the last ten (10) years, has your organization, or any officer, director, partner or owner, had judgments entered against it or them for the breach of contracts for construction?

Yes ___ No ☒

If yes, on a separate attachment, state the person or entity against whom the judgment was entered, give the location and date of the judgment, describe the project involved, and explain the circumstances relating to the judgment, including the names, addresses and phone numbers of persons who might be contacted for additional information.

IV. **Convictions and Debarment**

If you answer yes to any of the following, on a separate attachment, state the person or entity against whom the conviction or debarment was entered, give the location and date of the conviction or debarment, describe the project involved, and explain the circumstances relating to the conviction or debarment, including the names, addresses and phone numbers of persons who might be contacted for additional information.

1. In the last ten (10) years, has your organization or any officer, director, partner, owner, project manager, procurement manager or chief financial officer of your organization:
 - a. ever been fined or adjudicated of having failed to abate a citation for building code violations by a court or local building code appeals board?

Yes ___ No ☒
 - b. ever been found guilty on charges relating to conflicts of interest?

Yes ___ No ☒

- c. ever been convicted on criminal charges relating to contracting, construction, bidding, bid rigging or bribery?

Yes ___ No ☒

- d. ever been convicted: (i) under Va. Code Section 2.2-4367 et seq. (Ethics in Public Contracting); (ii) under Va. Code Section 18.2-498.1 et seq. (Va. Governmental Frauds Act); (iii) under Va. Code Section 59.1-68.8 et seq. (Conspiracy to Rig Bids); (iv) of a criminal violation of Va. Code Section 40.1-49.4 (enforcement of occupational safety and health standards); or (v) of violating any substantially similar federal law or law of another state?

Yes ___ No ☒

- e. ever been convicted on charges relating to employment of illegal aliens on construction projects?

Yes ___ No ☒

2. a. Is your organization or any officer, director, partner or owner currently debarred or enjoined from doing federal, state or local government work for any reason?

Yes ___ No ☒

- b. Has your organization or any officer, director, partner or owner ever been debarred or enjoined from doing federal, state or local government work for any reason?

Yes ___ No ☒

V. **Compliance**

If you answer yes to any of the following, on a separate attachment give the date of the termination order, or payment, describe the project involved, and explain the circumstances relating to same, including the names, addresses and phone numbers of persons who might be contacted for additional information.

1. Has your organization:

- a. ever been terminated on a contract for cause?

Yes ___ No ☒

- b. within the last five (5) years, made payment of actual and/or liquidated damages for failure to complete a project by the contracted date?

Yes ___ No ☒

2. Has your organization, in the last three (3) years, received a final order for willful and/or repeated violation(s) for failure to abate issued by the United States Occupational Safety and Health Administration or by the Virginia Department of Labor and Industry or any other government agency?

Yes ___ No ☒

3. Have any Performance or Payment Bond claims ever been paid by any surety on behalf of your organization?

Yes ___ No ☒

4. Has your organization been **more than thirty (30) days late, without good cause**, in achieving the contracted substantial completion date where there was no liquidated damages provision on more than two (2) projects in the last three (3) years?

Yes ___ No ☒

5. Has your organization **finally completed a project** more than ninety (90) days after achieving substantial completion on two (2) or more projects in the last three (3) years, for reasons within the contractor's control? Documented delay of delivery of material necessary to perform remaining work or seasonal conditions that bear on performing the work or operating specific equipment or building systems shall be considered in litigation.

Yes ___ No ☒

6. Has your organization **received more than two (2) cure notices** on a single project in the past two (2) years and/or more than one (1) cure notice on five (5) separate projects in the past five (5) years?

Yes ___ No ☒

7. Has your organization **had repeated instances** on a project of **installation and workmanship deviations which exceed the tolerances of the standards referenced** in the contract documents? Documentation of such instances shall be the written reports and records of the Owner's representatives on the project.

Yes ___ No ☒

IV. Experience

1. Attach a list of all projects, giving project name, location, size, dollar value, and completion date for each that your organization has **completed** in the last ten (10) years.

#	PROJECT	DETAILS	OWNER/CONTACT
1	River City Middle School (CMAR)	New 182,000 SF replacement middle school. Richmond, VA • 2021 • \$57.4M	Richmond City Public Schools
2	Old Donation School	New 225,000 SF school dedicated to students gifted in academics and the arts. ODS is home to 1,375 students in second through eighth grade. Virginia Beach • 2015 • \$50.5M	Virginia Beach City Public Schools
3	Pulaski County Middle School	New 164,900 SF middle school that will accommodate 1,091 students. Pulaski County, VA • 2020 • \$40.7M	Pulaski County Public Schools
4	Manchester Middle School	This new 135,000 SF, two-story middle school being built on the same property as the existing Manchester Middle School. Chesterfield County, VA • 2020 • \$39.9M	Chesterfield County Public Schools
5	Henry Marsh Elementary School (CMAR)	The design for this replacement elementary school includes three, two-story classroom wings with six individual classrooms for grades K-5 and 21st century technology. Richmond, VA • 2021 • \$37.0M	Richmond City Public Schools
6	Cardinal Elementary School (CMAR)	New, two-story elementary school designed for 1,000 students. The 118,901 SF building includes green space, energy-efficient features and advanced security systems. Richmond, VA • 2021 • \$34.7M	Richmond City Public Schools
7	Auburn High School (PPEA)	New 180,500 SF new high school with a design that effectively separates the building use functions into academic, athletic, administrative, and special purpose groups. Montgomery County, VA • 2013 • \$32.2M	Montgomery County Public Schools
8	Southside STEM Academy at Campostella (PPEA)	New, three-story STEM academy houses 1,147 students in kindergarten through 8th grade. The design of the new school is organized around the STEM school concept. Norfolk, VA • 2016 • \$29.8M	Norfolk City Public Schools
9	Independence Nontraditional School	A three-story, 122,659 SF facility designed to combine three schools into one facility. The new facility accommodates students with varying needs by providing various types of spaces. Prince William County, VA • 2018 • \$27.1M	Prince William County Public Schools
10	Reams Elementary School	Prototype Elementary School to accommodate 794 students Chesterfield County, VA • 2021 • \$25.5M	Chesterfield County Public Schools

#	PROJECT	DETAILS	OWNER/CONTACT
11	Central High School (PPEA)	Design for new high school based on a prototype school and completed as a PPEA project with S.B. Ballard Construction Company. Wise County, VA • 2014 • \$25.4M	Wise County Public Schools
12	Matoaca Elementary School	The 92,787 SF one-story school is designed to hold 750 students. The design includes three classroom wings that will each contain two grade levels. Chesterfield County, VA • 2021 • 25.3M	Chesterfield County Public Schools
13	Col Fred Cherry Middle School	New 125,200 SF facility designed after the original Page Middle. The design includes an increased number of classrooms for each grade, as well as a larger auditorium and gym. Suffolk, VA • 2018 • \$25.1M	Suffolk Public Schools
14	Camp Allen Elementary School (PPEA)	New 92,492 SF elementary school designed for 571 students. The design for a school includes a two-story academic wing broken down by grade level. Norfolk, VA • 2018 • \$24.6M	Norfolk City Public Schools
15	Ettrick Elementary School	The 95,944 SF school is designed to hold 794 students. The design includes three classroom wings that will each contain two grade levels. Chesterfield County, VA • 2021 • \$24.5M	Chesterfield County Public Schools
16	Union High School (PPEA)	Design for new high school based on a prototype school and completed as a PPEA project with S.B. Ballard Construction Company. Wise County, VA • 2014 • \$24.5M	Wise County Public Schools
17	Old Hundred Elementary School	A one-story school, 99,921 SF, designed to hold 900 students. The design includes three classroom wings that will each contain two grade levels. Chesterfield County, VA • 2020 • \$24.4M	Chesterfield County Public Schools
18	Cave Spring Middle School Renovation	Renovation of a 132,000 SF Middle School Roanoke County, VA • 2013 • \$24.4M	Roanoke County Public Schools
19	Crestwood Elementary School	New 95,944 SF replacement elementary school to accommodate 794 students Chesterfield County, VA • 2021 • \$24.3M	Chesterfield County Public Schools
20	Beulah Elementary School	New 99,921 SF replacement elementary school built on a 25-acre site about a mile from the existing Beulah Elementary School. The one-story school is designed for 900 students. Chesterfield County, VA • 2019 • \$24.3M	Chesterfield County Public Schools

#	PROJECT	DETAILS	OWNER/CONTACT
21	Page Middle School	New 116,800 SF middle school designed to accommodate 700 students. The design is organized into two zones with common public spaces and grade houses along the back. Gloucester County, VA • 2015 • \$22.8M	Gloucester County Public Schools
22	Harrowgate Elementary School	New 95,944 SF elementary school to accomdate 794 students Chesterfield County, VA • 2021 • \$22.6M	Chesterfield County Public Schools
23	Enon Elementary School	New 91,276 SF replacement elementary school built on the same 13-acre site as the previous building. The design for the new school is based on a prototype. Chesterfield County, VA • 2019 • \$21.1M	Chesterfield County Public Schools
24	Bowser Elementary School	This 1,000 student elementary school is a two-story facility totaling approximately 114,500 square feet and contains grades PK- 5. Suffolk, VA • 2018 • \$20.8M	Suffolk Public Schools
25	Meadow View Elementary School	98,000 SF Two Story Elementary School for 776 students. Henry County, VA • 2018 • \$20.6M	Henry County Public Schools
26	Georgie D. Tyler Middle School	New 115,000 SF middle school designed for 550 students. The core facilities are designed to accommodate up to 800 students, allowing for future expansion. Isle of Wight, VA • 2014 • \$19.7M	Isle of Wight County Public Schools
27	Larchmont Elementary School (PPEA)	92,655 SF Two Story facility to accomodate 778 students. Norfolk, VA • 2016 • \$19.0M	Norfolk City Public Schools
28	Ocean View Elementary School (PPEA)	Design for a two-story replacement elementary school. Design is characterized by one-story common use area and two-story learning communities area. Norfolk, VA • 2016 • \$18.6M	Norfolk City Public Schools
29	Richard H. Bowling Elementary School (PPEA)	101,060 SF Two Story facility to accomodate 780 students. Norfolk, VA • 2016 • \$18.3M	Norfolk City Public Schools
30	King George Middle School Renovation	Multiple additions, a major renovation to part of the existing facility, and minor renovations to the remainder of the school. King George County, VA • 2020 • \$18.3M	King George County Public Schools

#	PROJECT	DETAILS	OWNER/CONTACT
31	Auburn Middle School Renovation (PPEA)	Renovation of a 125,000 SF middle school Montgomery County, VA • 2013 • \$17.7M	Montgomery County Public Schools
32	John Kerr Elementary School (PPEA)	New 94,000 Elementary School to accomodate 650 students. Winchester, VA • 2016 • \$16.5M	Winchester City Public Schools
33	Oak Point Elementary School	New 83,000 SF replacement elentary school featuring class- rooms that are organized by a pair of two-story “wings” clustered by grade level. Smyth County, VA • 2013 • \$15.2M	Smyth County Public Schools
34	South Salem School	New 89,000 SF replacement elementary school to accomodate 500 students. Salem, VA • 2014 • \$14.9M	Salem City Public Schools
35	Pioneer Elementary School	New 86,420 SF elementary school that features clear separaton of academic houses which allows for grade level separaton Suffolk, VA • 2014 • \$14.8M	Suffolk Public Schools
36	Woodbrook Elementary School Addition and Renovation	Renovation, addition and modernization of a single-story elementary school. The four, separate additions doubles the school's capacity to accommodate students in several multi- grade learning areas, specifically designed for team teaching. Albemarle County, VA • 2019 • \$13.6M	Albemarle County Public Schools
37	Matoaca Middle School Addition	The first phase of a replacement middle school consisted of a two-story, 38,255 SF classroom wing. Chesterfield County, VA • 2019 • \$10.6M	Chesterfield County Public Schools
38	Falling Branch Elementary School Addition and Renovation	41,000 SF renovation and addition to elementary school Montgomery County, VA • 2018 • \$8.4M	Montgomery County Public Schools
39	Colonial Beach Elementary School	Replacement of the original Colonial Beach Elementary School. 50,000 SF facility accommodates 450 students. Colonial Beach, VA • 2017 • \$7.9M	Colonial Beach Public Schools
40	Waller Mill Elementary School Addition and Renovation	Additon of 10 classrooms, a new gym, additonal parking and associated site upgrades as well as modernization of front entrance. York County, VA • 2017 • \$7.5M	York County Public School

#	PROJECT	DETAILS	OWNER/CONTACT
41	Seven Pines Elementary School Addition and Renovation	49,000 SF occupied elementary school campus renovaton. Henrico County, VA • 2018 • \$7.3M	Henrico County Public Schools
42	Chamberlayne Elementary School Renovation	48,000 SF occupied elementary school campus renovaton. Henrico County, VA • 2018 • \$7.2M	Henrico County Public Schools
43	Marion Primary School Renovation	Modernizaton as well as conversion from a grade K-2 to a grade K-5 school. Smyth County, VA • 2013 • \$7.1M	Smyth County Public Schools
44	Cooley PK-3rd Grade Renovation	Conversion of a high school into an elementary school to serve Pre K – 3rd Grade students. Clarke County, VA • 2014 • \$5.7M	Clarke County Public Schools
45	Thomas Jefferson Elementary School Addition and Renovation	23,982 SF Addition/renovation Falls Churchs Church, VA • 2012 • \$5.0M	Falls Church City Public Schools

2. Attach a list of your organization's projects in progress, if any, at the time of this statement. At a minimum, provide project names and addresses, contract amounts, percentages complete and contact names and numbers for the architects and owners.

#	PROJECT	DETAILS	OWNER/CONTACT
1	James Wood High School & Indian Hollow Elementary School Renovation (CMAR)	Modernization and renovation of both high school and elementary school. Frederick County, VA • Design Complete in 2022 • \$72.8M	Frederick County Public Schools
2	Princess Anne Middle School	New 250,000 SF replacement school designed for 1,500 learners in 6th through 8th grade. Virginia Beach, VA • Under Construction • \$64.8M	Virginia Beach City Public Schools
3	Robert Aylor Middle School (CMAR)	New 148,000 SF replacement middle school for approximately 1,015 students. Frederick County, VA • Under Construction • \$48.7M	Frederick County Public Schools
4	Salem High School Additions and Renovations	21,000 SF Renovation & 58,000 SF Addition to high school Salem, VA • Under Construction • \$36M	Salem City Public Schools
5	Culpeper Career and Technical Education Facility	54,759 SF technical ed school building to further the region's professional workforce and to meet the needs of students hungry for hands-on skills and immediately useful certifications. Culpeper County, VA • Under Construction • \$14.5M	Culpeper County Public Schools
6	Hardy Elementary School (CMAR)	New Elementary School. Isle of Wight County, VA • Under Construction • \$ TBD	Isle of Wight County Public Schools
7	Moseley Elementary School	New Elementary School Chesterfield County, VA • Under Construction • \$25.7M	Chesterfield County Public Schools
8	CD Hylton High School Renovation	Complete renewal of a 270,000 SF high school built in the 1990s. This is the first time Prince William County Public Schools has undergone a renewal of their high schools. Prince William County, VA • Under Construction • \$ TBD	Prince Williams County Public Schools
9	Seaford Elementary School	Renovation/Addition of Elementary School York County, VA • Design Complete in 2021 • \$ TBD	York County Public Schools
10	Rustburg Middle School (PPEA)	New Middle School Campbell County, VA • Under Construction • \$41M	Campbell County Public Schools

3. If this statement is for a particular project, identify three (3) projects from those identified in 1 and 2 above which are most relevant or similar to the project(s) for which you are seeking prequalification; these projects are designated as your "Firm's Representative Projects" and will also be included on Attachment 3, "CO-16 Crosswalk of Firm and Key Personnel Experience".



Firm Representative Project 1.

Project Name: **PRINCESS ANNE MIDDLE SCHOOL**

Project Address: 2323 Holland Road, Virginia Beach, VA

Owner's Name: Virginia Beach City Public Schools
Address: 1568 Corporate Landing Parkway, Suite 200, Virginia Beach, VA 23454
Phone Number: 757.263.1090
Contact: Anthony Arnold, Director of Facilities

Architect's Name: RRMM Architects
Address: 1317 Executive Blvd #200, Chesapeake, VA 23320
Phone Number: 757.622.2828
Contact: Duane Harver, RA

RRMM Architects was selected to design the replacement for Princess Anne Middle School (PAMS). The new 250,000 square foot building will be designed for 1,500 learners in 6th, 7th and 8th grade.

PAMS will collect roof rainwater for toilet flushing, saving just under one million gallons of drinking water each year. Collected rainwater will also be used for student experiments and proofs as part of their curriculum. Following our strong emphasis on daylighting, the Client will save money on needing significantly less electric lighting. PAMS students and staff will have the productivity, health, and good-feeling benefits of natural daylight throughout the school.

The Princess Anne Middle School design also provides safe outdoor learning spaces with a curriculum courtyard secured from public.

Key Lessons Learned:

1. Even if geotechnical report recommends sand fill under slab, GC will not have enough time to wait for it to dry out if rainy weather happens near pour times. Even if it costs more, specify #57 stone to keep project moving.
2. Where exposing structural steel in an architectural manner, be diligent about calling for AESS steel and consider what all connections look like.
3. Even if marker boards, cabinetry or other wall mounted items are not scheduled to be installed on all walls, because those items can be added after walls are closed up, it's better to install metal strapping (blocking) at common mounting heights on all walls where items may possibly be added.
4. Use of ceiling clouds and ceilings reveals along walls need to consider the additional cost of fire sprinklers both below and above the ceiling. This was covered in our drawings and specifications, but there was cost within bid that may have been avoided.

**Firm Representative Project 2.**Project Name: **OLD DONATION SCHOOL**

Project Address: 4633 Honeygrove Rd, Virginia Beach, VA 23455

Owner's Name: Virginia Beach City Public Schools
 Address: 1568 Corporate Landing Parkway, Suite 200, Virginia Beach, VA 23454
 Phone Number: 757.263.1090
 Contact: Anthony Arnold, Director of Facilities

Architect's Name: RRMM Architects
 Address: 1317 Executive Blvd #200, Chesapeake, VA 23320
 Phone Number: 757.622.2828
 Contact: Duane Harver, RA

In 2012, the RRMM team began working with project stakeholders to program and design a new school that would bring together three existing gifted education programs located at two different schools. The Old Donation School (ODS) is home to 1,375 gifted learners in second through eighth grades from throughout the city. The facility is also home to Virginia Beach's 175-student Dance and Arts Pull Out Program.

Virginia Beach Public Schools tasked our team with preparing educational specifications, studying various sites, designing the new facility, preparing documents for receiving construction bids and monitoring construction through to occupancy of the new facility. Through site placement, building forms, tight envelope, daylighting and advanced hybrid HVAC, the project aims to achieve ultra-low energy consumption.

Our Client requested maximum energy savings with no impact to project cost. Our team's modeled daylighting design allows owner to use 44% less lighting energy while students and staff gain the productivity and health benefits of natural light. The design team worked multiple HVAC and envelope options to achieve a total energy savings of over 32%. Because ODS is a rebuild on a tight semi-urban site, it was important to not add stormwater burden to neighbors and surrounding streets. By storing rainwater for toilet flushing, constructed wetlands and subgrade stormwater storage, the project infiltrates all stormwater from 10-year storm events back into the ground below the site.

Key Lessons Learned:

1. Pay closer attention to fire sprinkler layout in exposed roof structure spaces. We did not include sprinkler pipe layout in bid docs. Our mark up of sprinkler shop drawing, for aesthetics, caused sprinkler sub to exceed costs in their bid.
2. For HVAC building interior water loop, we used three very large pumps centrally located in the mechanical room. This means the when any part of the building was being used, the large horsepower pumps need to be running. Lesson learned (and used at PAMS) was to install smaller horsepower pumps decentralized in various zones around the building. This way, only small pumps need to run in the utilized zone. This saves energy and wear on large pumps.
3. Internal roof drains need to be closer together (more frequent). While pipe size can handle amount of storm water, tapered insulation crickets between roof drains can get unreasonably thick in order to achieve 1:48 slope.
4. Because concrete slab moisture may not be low enough prior to installing adhesive-attached flooring, we needed to have specified an adhesive that manufacture allows up to 95% concrete relative humidity.

**Firm Representative Project 3.**Project Name: **AUBURN HIGH SCHOOL (PPEA)**

Project Address: 1650 Auburn School Dr, Riner, VA 24149

Owner's Name: **Montgomery County Public Schools**

Address: 750 Imperial St, Christiansburg VA 24073

Phone Number: 540.382.5141

Contact: **Dan Berenato, Facilities & Planning**Architect's Name: **RRMM Architects**

Address: 1317 Executive Blvd #200, Chesapeake, VA 23320

Phone Number: 757.622.2828

Contact: **Duane Harver, RA**

Montgomery County Public Schools needed two new high schools and a middle school. Since funding was limited, a creative yet budget sensitive approach was needed. RRMM Architects, with a general contractor and another architect, submitted a public-private proposal that was accepted by the school system to design and construct two new high schools and renovate the existing high school to a middle school. RRMM Architects was responsible for the design of the two schools located in the Auburn Strand area of the county: the new Auburn High School and the renovation/addition to the old high school to create the new Auburn Middle School.

The existing Auburn High School has long been a community focal point since its construction in 1938. Several years ago a new elementary school was built on this property. The construction of the New Auburn High School and the conversion of the existing high school into the New Auburn Middle School completes this campus as an educational and community center that will serve the area's future generations. Preservation of the oldest portion of the existing high school as a significant community landmark was an important public criteria and site design element.

The design effectively separates the building use functions into academic, athletic, administrative and special purpose groups. Public access is provided to administrative and athletic areas. The academic wing is a two story structure organized around a central monumental stair and Media Center. Career and Technical Education areas adjoin the art, music and central auditorium spaces allowing interaction between these curricula.

Describe key lessons learned:

1. Closer coordination with owner's separate contract for security and access controls would have simplified installation at door frames in the field.
2. This was the first PPEA process that Montgomery County Public Schools had undertaken. Like with many owners who are primarily accustomed to working with the traditional design-bid-build process, they do not realize the urgency of advancing design decisions and carefully reviewing the quality expectations and scope of work prior to establishing a GMP. So whenever we work with owner's that do not have that understanding, we are more diligent to help them understand that urgency.

4. Staffing: Describe how your firm would staff this project. The Proposal must include a description of the duties and responsibilities of all key Project team members and an organizational chart indicating the title or function of each individual and the reporting structure and functional relationships between the team members.

ROLES

DUANE HARVER | Project Overview

As Chief Executive Officer/President and Director of RRMM's K-12 Design Studio, Duane has the overall responsibility for the educational design and successful integration of project resources from the Architectural/Engineering team for the project.

ROB BERZ | Principal-in-Charge

Develops solutions and creates project designs and plans to client. Initiates and creates project design and plans of all phases of one or more projects and has responsibility for preparing presentation and design drawings. Coordinates all trades and agencies related to building design while monitoring drawings.

LARRY SIMERSON | Project Manager

Has full responsibility for managing project from initial design through construction completion. Prepares strategic plans for project success. Responsible for the coordination of project efforts, administrative and technical, to assure the most efficient and cost-effective execution. Serves as the primary architectural liaison to bring the schedule, budgets, and scope of work to completion. Actively coordinates with construction team on budget, schedule, and program; project communications and documentation; office administrative tasks; and project team assignments. Estimates fees, determines scope of works, and prepares proposals and contracts for A/E team along with Principal.

JASON HOWELL | Project Architect

Responsible for interpreting, organizing, executing, and coordinating assignments. Works directly with the Project Manager in the development of documents – design, details, specification and execution of same. Plans and develops project concerning complexities that significantly impact major program. Involves exploration of subject area, definition of design, selection of items for investigation, and development of novel concepts and methods.

JEFFREY HARRIS | Project Designer

Works collaboratively on architectural design, steers design team and coordinates project design efforts. Develops planning and creative-design concepts. Prepares presentation and design drawings and details.

SARAH BUTLER | Interior Designer / FF&E Package

Responsible for schematic interior design work including furniture and equipment layouts, finish patterns and other interior components of the design. Participates in the design control and administration of project in the design development, construction document, and construction phases. Provides direction to supporting staff interior designers. Responsible for coordinating project budget and cost control with construction contractor related to finishes and FF&E.

JASON STURNIOLO | BIM / Laser Scanning

Captures a high-density point cloud of the physical building and site, which leads to the creation and maintenance of a BIM model that reflects true "as-is" conditions.

RANDY BRAUNER | Construction Administration

Understand project specifications and construction documents. Meet with the general contractor and clients to assist in construction process. Perform on-site inspections of construction progress and evaluate compliance with construction document requirements. Distribute, review, document project construction submittals and correspondence.

SUPPORTING STAFF – There will be other production staff included in the design and production of these projects. Those listed are the key players involved who will be managing additional staff who will be added at the time and number needed to successfully complete the project.

5. Personnel experience: For all designated key personnel (i.e.: project manager, superintendent, preconstruction manager (CM at Risk and JOC only), etc.), describe the background and experience that would qualify him or her to serve successfully on this project.

See Volume III, TAB 1 QUALIFICATIONS AND EXPERIENCE, b. Experience for team resumes and reference project-specific information in the completed, "CO-16 Crosswalk of Firm and Key Personnel Experience."

DUANE HARVER | Project Overview

References:

Anthony Arnold Director of Facilities & Planning Virginia Beach City Public Schools P: 757.263.1090 E: tony.arnold@vbschools.com	Terry Napier Director of Facilities & Planning Suffolk Public Schools P: 757.934.6206 E: ternapier@spsk12.net	Dr. James Thornton Superintendent Isle of Wight Public Schools P: 757.357.0449 E: jthornton@iwcs.k12.va.us
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ROB BERZ | Principal-in-Charge

References:

Anthony Arnold Director of Facilities & Planning Virginia Beach City Public Schools P: 757.263.1090 E: tony.arnold@vbschools.com	John E. Alford City of Norfolk P: 757.664.4664 E: john.alford@norfolk.gov	Dr. Anthony S. Brads Culpeper County Public Schools P: 540.825.3677 E: tbrads@culpeperschools.org
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LARRY SIMERSON | Project Manager

References:

Anthony Arnold Director of Facilities & Planning Virginia Beach City Public Schools P: 757.263.1090 E: tony.arnold@vbschools.com	Terry Napier Director of Facilities & Planning Suffolk Public Schools P: 757.934.6206 E: ternapier@spsk12.net	John E. Alford City of Norfolk P: 757.664.4664 E: john.alford@norfolk.gov
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JASON HOWELL | Project Architect

References:

Anthony Arnold Director of Facilities & Planning Virginia Beach City Public Schools P: 757.263.1090 E: tony.arnold@vbschools.com	Dr. James Thornton Superintendent Isle of Wight Public Schools P: 757.357.0449 E: jthornton@iwcs.k12.va.us	John E. Alford City of Norfolk P: 757.664.4664 E: john.alford@norfolk.gov
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JEFFREY HARRIS | Project Designer

References:

Terry Napier Director of Facilities & Planning Suffolk Public Schools P: 757.934.6206 E: ternapier@spsk12.net	Dr. James Thornton Superintendent Isle of Wight Public Schools P: 757.357.0449 E: jthornton@iwcs.k12.va.us	Michael McIntyre AECOM (Richmond-Owner's Rep) P: 804.515.8300 E: michael.mcintyre@aecom.com
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SARAH BUTLER | Interior Designer / FF&E Package

References:

Anthony Arnold Director of Facilities & Planning Virginia Beach City Public Schools P: 757.263.1090 E: tony.arnold@vbschools.com	Terry Napier Director of Facilities & Planning Suffolk Public Schools P: 757.934.6206 E: ternapier@spsk12.net	Dr. James Thornton Superintendent Isle of Wight Public Schools P: 757.357.0449 E: jthornton@iwcs.k12.va.us
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JASON STURNIOLO | BIM / Laser Scanning

References:

Anthony Arnold Director of Facilities & Planning Virginia Beach City Public Schools P: 757.263.1090 E: tony.arnold@vbschools.com	Terry Napier Director of Facilities & Planning Suffolk Public Schools P: 757.934.6206 E: ternapier@spsk12.net	Dr. James Thornton Superintendent Isle of Wight Public Schools P: 757.357.0449 E: jthornton@iwcs.k12.va.us
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RANDY BRAUNER | Construction Administration

References:

Anthony Arnold Director of Facilities & Planning Virginia Beach City Public Schools P: 757.263.1090 E: tony.arnold@vbschools.com	Terry Napier Director of Facilities & Planning Suffolk Public Schools P: 757.934.6206 E: ternapier@spsk12.net	Dr. James Thornton Superintendent Isle of Wight Public Schools P: 757.357.0449 E: jthornton@iwcs.k12.va.us
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6. Provide additional attachments, as required, in response to any additional agency-specified prequalification criteria provided in the RFQ.

[See the following pages for the completed, "CO-16 Crosswalk of Firm and Key Personnel Experience."](#)

DGS-30-172

(04/15)

CO-16 Crosswalk of Firm and Key Personnel Experience

Firm's Representative Projects	Firm's Role in Project	Project Delivery Method	Pre-Construction Services Provided?	Project Size	Project Similarities	Project Status and Schedule	Project Cost Data	Non-Owner Requested Change Orders	KEY PERSONNEL PARTICIPATION IN FIRM'S REPRESENTATIVE PROJECTS
Princess Anne Middle School Virginia Beach, VA	Architect	DBB	No	250,000 SF 1,500 Students	* VBPS * Middle School * Sustainable * Learning Spaces * Academic Program	99% August 1 2021	\$64,800,000		Duane Harver (Project Overview) Rob Berz (PIC) Larry Simerson (Project Manager) Jason Howell (Project Architect) Jeff Harris (Project Designer) Sarah Butler (Interior Design) Jason Sturniolo (Bim Scan) Randy Brauner (CA)
Old Donation School Virginia Beach, VA	Architect	DBB	No	225,000 SF 1,375 Students	* VBPS * Middle School * Sustainable * Learning Spaces * Academic Program	100% Completed 2017	\$50,700,000		Duane Harver (Project Overview) Rob Berz (PIC) Larry Simerson (Project Manager) Jason Howell (Project Architect) Jeff Harris (Project Designer) Sarah Butler (Interior Design) Jason Sturniolo (Bim Scan) Randy Brauner (CA)
Auburn High School Montgomery County, VA	Architect	D-B (PPEA)	No	180,000 SF 600 Students	*Public School System * High School * Sustainable * Learning Spaces * Academic Program	100% Completed 2013	\$36,100,000		
Col. Fred Cherry Middle School Suffolk, VA	Architect	DBB	No	125,200 SF 800 Students	*Public School System * High School * Sustainable * Learning Spaces * Academic Program	100 % Completed 2018	\$25,500,000		Duane Harver (Project Overview) Rob Berz (PIC) Larry Simerson (Project Manager) Jason Howell (Project Architect) Jeff Harris (Project Designer) Sarah Butler (Interior Design) Jason Sturniolo (Bim Scan) Randy Brauner (CA)



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DGS-30-172

(04/15)

CO-16 Crosswalk of Firm and Key Personnel Experience

The data in the "role" though the "non-owner requested change orders" columns is ONLY required for projects that are NOT one of the 3 firm representative projects listed on the previous tab.

KEY PERSONNEL FOR OUR PROJECT	KEY PERSONNEL REPRESENTATIVE PROJECTS	Role	Project Delivery Method	Project Size	Project Similarities	Project Status and Schedule	Project Cost Data	Non-Owner Requested Change Orders
Harver (Project Overview) 86 Months 50%	Firm Representative Projects 1, 2 & 4	N/A - Firm Representative Project	N/A	N/A	N/A	N/A	N/A	N/A
Berz (PIC) 86 Months 50%	Firm Representative Projects 1, 2 & 5	N/A - Firm Representative Project	N/A	N/A	N/A	N/A	N/A	N/A
Simerson (Project Manager) 48 Months 80%	Firm Representative Projects 1, 2 & 4	N/A - Firm Representative Project	N/A	N/A	N/A	N/A	N/A	N/A
Howell (Proejct Architect) 48 Months 80%	Firm Representative Projects 1, 2 & 6	N/A - Firm Representative Project	N/A	N/A	N/A	N/A	N/A	N/A
Harris (Project Designer) 24 Months 50%	Firm Representative Projects 1, 2 & 4	N/A - Firm Representative Project	N/A	N/A	N/A	N/A	N/A	N/A
Butler (Interior Design) 36 Months 10%	Firm Representative Projects 1, 2 & 4	N/A - Firm Representative Project	N/A	N/A	N/A	N/A	N/A	N/A
Sturniolo (BIM) 36 Months 10%	Firm Representative Projects 1, 2 & 4	N/A - Firm Representative Project	N/A	N/A	N/A	N/A	N/A	N/A
Brauner (CA) 36 Months 25%	Firm Representative Projects 1, 2 & 4	N/A - Firm Representative Project	N/A	N/A	N/A	N/A	N/A	N/A



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VI. Small Business Participation on Previous Projects

RRMM Architects is a VA DSBSD business. Please refer to our contractor, SBCC response.

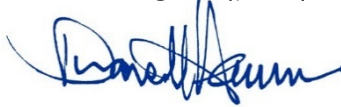
VIII. Signatures

The undersigned certifies under oath that the information contained in this Statement of Qualifications and attachments hereto is complete, true and correct as of the date of this Statement.

RRMM Architects

(Name of entity signing this Statement of Qualifications)

By: Name of Signer (print) Duane Harver



(Signature in ink)

Title: President/CEO

Date: 5/24/21

Notary

State of: Virginia

County/City
of: Virginia Beach

Subscribed and sworn to before me this 24 day of May, 2021.



Notary Public Signature

My commission expires: January 31, 2024

Notary Seal:





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EVERY STUDENT

EVERY DAY

VOLUME III
TAB 5

**ADDITIONAL
INFORMATION**



TAB 5 | ADDITIONAL INFORMATION

C. Reference Letters

REFERENCE LETTERS

SBBCC | DESIGN-BUILD CONTRACTOR – Norfolk Public Schools Modernization PPEA



November 22, 2016

Mr. Stephen B. Ballard
S.B. Ballard Construction Company, Inc.
2828 Shipps Corner Road
Virginia Beach, VA 23453

Dear Stephen:

On behalf of the City of Norfolk and Norfolk Public Schools, I want to personally thank you and your Design/Build team for your tireless efforts to design and construct five new schools for the City of Norfolk. This partnership created through the PPEA process provides the City of Norfolk with state-of-the-art schools designed for the 21st Century education in an astonishingly short 5-year span. Already, two schools have opened (280,000 square feet), two more (200,000 square feet) are well into construction and the final school (97,000 square feet) construction will begin soon.

Under your leadership, your construction management staff along with the three architectural firms collaborated with the City of Norfolk, Norfolk Public Schools and the public to ensure each school met the needs and objectives of the communities they serve. This effort heightened public support for the project and created excitement in the communities, knowing they would not have long to wait for their new school.

With a budget of just over \$130M we were able to exceed our goals because of the diligent work of your team, who found ways to save money both during the early design phases and during construction. As with any construction project, unforeseen conditions will occur. I appreciate your team's efforts to find ways to mitigate these conditions. In my estimation, your team's dedication to this project and the resulting benefit to the City of Norfolk exceeded what was anticipated from a construction company.

I am extremely proud to be a part of this team and historic project for the City of Norfolk and Norfolk Public Schools. Thank you and your team for everything you do.

Sincerely,



David L. Ricks, P.E.
Director

C: Sid Kitterman, City Engineer
John Alford, Project Manager

810 UNION STREET, SUITE 700 • NORFOLK, VIRGINIA 23510 • 757-664-4600
www.norfolk.gov

SBBCC | DESIGN-BUILD CONTRACTOR – Norfolk Public Schools Modernization Project PPEA



February 26, 2020

RE: S.B. Ballard

Letter of Recommendation

To whom it may concern,

The City of Norfolk advertised an RFP for Design and Construction of 5 new schools through the Public Private Education Facilities and Infrastructure Act (PPEA). S.B. Ballard Construction Company was selected and through a Comprehensive Agreement and Amendments, and was awarded a \$122,877,916.00 Guaranteed Maximum Price ("GMP") contract to design and build the schools.

We have now successfully completed all 5 schools on time and under budget. Each school (181,500 S.F. Campostella K-8 STEM School, 101,000 S.F. Richard Bowing PK-5, 89,662 S.F. Larchmont PK5, 91,423 S.F. Ocean View K-5 and 97,630 S.F. Camp Allen K-5) had within its own budget a Design-Builder Contingency included in the Design-Build contract, to be used for both Design/Builder and Owner use items. At completion on these 5 schools, I would proudly like to state that they were able to return \$221,225.10 of Contingency back to the City and donate a consider amount of money to each individual school's PTA to kick start their program.

The president, Steve Ballard was personally involved from start to finish on these projects and took ownership in delivering a quality product to the City and Norfolk Public Schools. They are a well-managed state of the art company using the latest in technology and management software such as SharePoint and Bluebeam to track everything from RFIs, ASIs, Construction Schedules, Daily Reports and Deficiencies. They have shown professional management skills in operations of managing the projects and the day-to-day of running the job. Even capable of running two school projects (construction) at the same time.

We have enjoyed working with all the project managers and superintendents on this successful endeavor in a non-adversarial working relationship. They are team players and have been instrumental in helping us deliver quality schools to the citizens of Norfolk. As the Senior Construction Project Manager for the City of Norfolk, managing these 5 schools, I highly recommend them as a Design/Builder contractor and confident that you will be satisfied with their work.

In the event you have any questions, email me at Randy.thomson@norfolk.gov

Sincerely,



Randy Thomson

Senior Construction Project Manager

810 UNION STREET, SUITE 700 ▪ NORFOLK, VIRGINIA 23510 ▪ 757-664-4602
www.norfolk.gov/publicworks

SBBCC | DESIGN-BUILD CONTRACTOR – Union & Central High School PPEA



Wise County Public Schools

Office of the Superintendent

February 20, 2015

To Whom it May Concern,

I am enthusiastically writing this letter of support and recommendation for S. B. Ballard Construction. Last year, we awarded a contract to S. B. Ballard Construction to construct two new high schools for the Wise County Public Schools. I have worked with a number of construction companies over the last several years and have built a number of schools. Without question, S. B. Ballard Construction is the best construction company that I have worked with in my twenty-six years of service in the public school system. From the very beginning, Mr. Ballard was extremely focused on providing us with the best quality building at the most economic price. The following is a quick summary of the major elements which I believe separate Ballard Construction from the other firms and which makes them an exemplary company.

First and foremost, is the personal commitment that Mr. Ballard places into each new project. I have found that Mr. Ballard possesses a deep personal investment and has a strong desire to produce a quality building. He takes considerable pride in the finished product and he is not satisfied until he creates the very best product possible. I have found that profit margins and monetary gains are not his primary concern. He is willing to make a number of personal and professional sacrifices to ensure we have a quality school.

Second, Mr. Ballard possesses a thorough and deep knowledge of the actual construction process. Unlike many of his competitors, Mr. Ballard actually began his career as a contractor. He was not handed an established company that was thriving but he built his business from the ground. This in-depth knowledge of the construction process enables Mr. Ballard to help school divisions make a number of critical decisions which save money, create schools which have low maintenance schedules, and created schools that are built from the most durable materials.

Third, Mr. Ballard is extremely focused and dedicated to maintaining the construction schedule and finishing the project on time. He possesses the ability to effectively stage various phases of the construction projects to push the project forward. He has the foresight to predict potential problems and to develop an action plan to address those issues before it actually becomes an issue. He understands the need to allocate additional resources and materials to projects that are slightly behind schedule to ensure the project is finished on time. He takes the necessary preventive actions to eliminate emergency situations where projects fall behind schedule and there is not enough time to complete the project.

Voice 276.328.8017 ~ FAX 276.328.3350 ~ Post Office Box 1217 – Wise, Virginia 24293

Union & Central High School PPEA | pg. 2

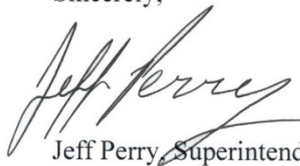
Fourth, Mr. Ballard understands the budget process and the need to keep a project within the budget. He is staffed with a wonderful group of people who understand value engineering and how to protect the instructional program while considering budgetary constraints. We began the construction process with a budget of \$50 million to construct two high schools. After we started the project, we discovered that we had not specified a number of critical features that were needed in our schools. Ballard Construction worked with us to create the schools that we needed and within the budget that he had. Since the signing of the comprehensive agreement, we added 5,000 more square feet, sixteen additional classrooms, ten percent more seating in the gym and auditorium, thirty-two additional toilets, sodding and irrigation on the practice fields, additional electrical work, preliminary utilities to a future fieldhouse, stadium lights on a football field, a supplement boiler, and an emergency generator to each of the schools. Working closely with Ballard Construction, we signed a change order which included all of these new elements into the project at the same cost of the original agreement.

Fifth, Ballard Construction has created an exemplary team that understands architecture, engineering, construction, financing, and scheduling. Many of the other firms that I have worked with over the years have possessed some of these elements but few have been able to integrate all of these elements into one organization. Mr. Ballard has accomplished this by creating a high quality team that is staffed with exceptional professionals. He has access to all needed professionals and tradesmen to effectively and efficiently address any challenge.

Sixth, Ballard Construction had a thorough knowledge of the PPEA process which was critical to our success. We utilized a PPEA process to construct our new high schools and his knowledge of this procurement method created unique opportunities for us. The PPEA process and his expertise enabled us to construct the schools quicker, created more flexibility, and enabled us to build the school more economically.

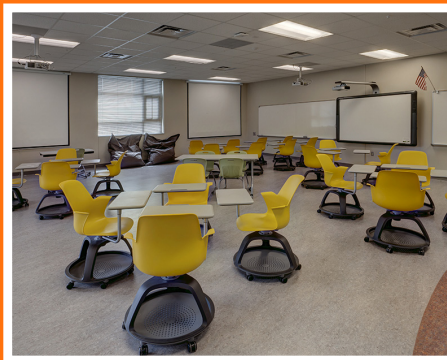
There are a host of construction companies that announce they have the necessary experience, resources, and finances to construct new schools but few of them are able to match these words with action. Without reservation, I believe that S. B. Ballard possesses all of the attributes, commitment, experience, and resources to be an exemplary construction firm. They will help you build a quality school, on budget, and within schedule. They will be an excellent partner and would be a tremendous asset to any school division. They will help school division convert dreams and ideas into a tangible product that enables school divisions to leave a legacy of which they can be proud.

Sincerely,



Jeff Perry, Superintendent

Voice 276.328.8017 ~ FAX 276.328.3350 ~ Post Office Box 1217 – Wise, Virginia 24293



BUILDING THE FUTURE



S.B. Ballard Construction Company
2828 Shipp's Corner Road | Virginia Beach, VA 23453
757.440.5555 | sbballard.com