



VOLUME I



UNSOLICITED PPEA

Roanoke County Public Schools

New Career & Technical Education Center, Glen Cove Elementary School Renovation,
and W.E. Cundiff Elementary School Renovation & Addition

June 9, 2023

COPY





June 8, 2023

Roanoke County Public Schools

5937 Cove Road

Roanoke, Virginia 24019

RE: Unsolicited PPEA for New Career & Technical Education Center, Glen Cove Elementary School Renovation, and W.E. Cundiff Elementary School Renovation & Addition

Dear Roanoke County Public Schools,

Branch, in partnership with RRMM Architects and Balzer & Associates, is pleased to submit for your review our qualifications to provide professional Design-Build services under the Public Private Education Facilities and Infrastructure Act (PPEA) for a new Roanoke County Public Schools (RCPS) CTE Center and improved Glen Cove Elementary and W.E. Cundiff Elementary School facilities. Our full-service Design-Build team offers a wealth of comparable project experience and we have assembled a team of highly qualified professionals for the project.

Based on the publicly available feasibility studies authored by the Balzer | RRMM Design Team, and additional extensive work at our own risk, our team has created a proposal that demonstrates how our team can best meet the envisioned school facility objectives and standards while respecting the stated financial objectives. We have included conceptual designs, conducted initial field investigations, budgetary analyses, and other related tasks under multiple work orders through Roanoke County for all three projects to bring definition to your project goals and a vision for a path forward. We are optimistic that upon your review of this proposal, you will find that we have ably addressed these goals.

Highlights for consideration:

- The Branch | RRMM | Balzer team was specifically assembled for this project, as each team member offers RCPS vast experience designing and constructing K-12 education facilities across the Commonwealth, partnering with Roanoke County on prior projects, as well as unparalleled local PPEA design-build project delivery expertise.
- K-12 and higher education work represents the single largest sector of our annual work program. Branch has successfully delivered over \$775 million of K-12 education construction over the last 10 years. Likewise, RRMM has designed over 3 million SF and \$400 million of renovations and additions, as well as 4.3 million SF and \$1.1 billion of school facilities over the same timeframe. We offer unmatched local K-12 expertise.
- Our team has successfully delivered multi-project "bundled" PPEAs in recent years, at similar to what is being proposed for Roanoke County. Only a skilled team, versed in K12 and CTE project design, phasing, and construction can deliver a package of such complexity and scale.
- Our team of professionals assembled for your CTE Center has unmatched CTE design experience in the Commonwealth of Virginia; having recently completed award-winning projects such as the Culpepper CTE, which we know Roanoke County has visited and recognizes as achieving similar project goals.

- Diversified Educational Systems (DES, Inc.), headquartered in Virginia, who offer an experienced staff of former CTE educators, designers, and fabricators to ensure proposed solutions not only work on paper, but also work in real world application, are included in our team. As reflected in the Concept Plans included in Volume II, much thought has already been given to the layout, size and equipment required to teach and learn the skilled trades.
- The Branch | RRMM | Balzer team offers a history of successful collaboration when working with strict budget limitations. Our designs are conservative, cost efficient, and balances function with thoughtful and engaging architecture that promotes learning.
- We understand the complexities of managing the fast-track design and construction of K-12 school facilities and have an exceptional track record for safely managing these projects while ensuring occupied school facilities remain fully operational and undisturbed by our work.
- We understand the complexities of managing the fast-track design and construction of K-12 school facilities and have an exceptional track record for safely managing these projects while ensuring occupied school facilities remain fully operational and undisturbed by our work. Our team will collaborate with you to develop aggressive, but achievable schedules for design and construction, that match with the funding availability.
- For renovations to Glen Cove Elementary School and renovations and expansion to W.E. Cundiff Elementary School, the added complexity of managing major construction activities while the school is occupied and functioning, requires a team that has navigated this before. This team has that experience. Working collaboratively with RCPS principals, facilities staff, and administration, this team will create and execute well developed phasing plans that are crucial to maintaining projects schedules and helps ensure the well-being and safety of students, staff and the general public.
- Our team recognizes the significance a new CTE Center and enhanced Glen Cove and W.E. Cundiff Elementary Schools holds for the County. We fully understand our efforts are on display for the entire community to observe and thus, we all must succeed. We embrace the challenge to excel in this scenario.
- Branch is an employee-owned firm and every member of our team, from the office to the field, has a vested interest in everything we do, every day, including the successful outcome of your project!

Based on the aggressive timeline communicated by RCPS at the April 27, 2023 Roanoke County School Board Work Session, Branch is in agreement with the other contractors in attendance that the best approach for these projects is to bundle them together and the best procurement method for this is collaborative PPEA procurement. We are pleased to offer Roanoke County Public Schools a solution that includes both a design for a modern, state-of-the-art CTE Center as well as improvement solutions for both Glen Cove and W.E. Cundiff Elementary Schools - all three of which will finish on time and on budget.

We look forward to the prospect of being a member of the Roanoke County Public Schools project team and greatly appreciate your time and consideration of the Branch | RRMM | Balzer team's professional PPEA Design-Build services.

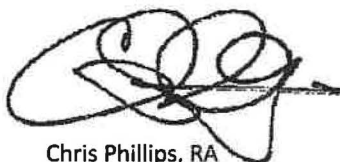
Sincerely,

Branch



Catherine Underwood, LEED AP
Design-Build Project Manager

RRMM Architects



Chris Phillips, RA
Principal-in-Charge

Balzer & Associates



Sean Horne, LA
President

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QUALIFICATIONS & EXPERIENCE

1.1 LEGAL STRUCTURE

Identify the legal structure of the private entity making the proposal. Identify the organizational chart 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 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.

Branch Builds, Incorporated is the entity submitting this proposal and will maintain executive oversight and responsibility for Roanoke County Public Schools; Branch will oversee all design-build preconstruction and construction services for the New Career & Technical Education Center, Glen Cove Elementary School Renovation, and W.E. Cundiff Elementary School Renovation & Addition project. As such, Branch Builds, Incorporated will serve as Roanoke County Public Schools' primary point of contact throughout the project.

We have assembled a team of the top local and regional K-12 design and construction specialists to lend both depth and breadth to your projects. RRMM Architects will be contracted by Branch for all design services; sub-consultants for engineering and additional design services will be contracted through RRMM. Balzer & Associates is providing civil engineering, site design surveying and structural engineering services; Ascent Engineering Group is providing MEP engineering and fire protection services; Diversified Educational Systems will serve as our team's specialized CTE consultant; and Foodservice Consultants Studio is providing foodservice design services.

Together, the Branch | RRMM | Balzer design-build team offers exceptional K-12 design and construction expertise, CTE expertise, PPEA expertise, experience working with RCPS and intimate local market knowledge. Furthermore, we have been researching and preparing for this project for months now and have a sound understanding of RCPS' objectives for a new modern CTE Center and improved Glen Cove & W.E. Cundiff Elementary Schools. Our thoughtfully assembled team has vast experience working together collaboratively on previous projects, including multiple projects designed and constructed via PPEA delivery.

Our collective understanding of both the local conditions and the PPEA design-build process is clear, and the broad perspective we bring to bear is second to none. Members of our CTE Center, Glen Cove and W.E. Cundiff Elementary Schools project design-build team partnered together via PPEA design-build procurement to deliver the \$107.5 million Montgomery County Public Schools Multi-School PPEA project, which similarly involved three separate school projects running concurrently on three separate project sites. Our team has closely followed the evolution of these projects and understands RCPS' program, facility needs, processes and expectations as well as the intricacies of PPEA delivery. We offer valuable lessons learned knowledge with regard to successfully designing and managing a highly visible, community-oriented PPEA school project.

Our team's management approach is simple; we are one team working collaboratively toward one common goal and that goal is to provide the best possible educational platform for the greatest return on investment for Roanoke County Public Schools. We will check egos at the door and will vet options with tenacity, but in the end, collectively agree on what best meets the needs of faculty, administrators and students. We will look for cost-saving alternatives that do not compromise scope or desired finishes or fail to address sustainability, durability and maintenance. Our team will be led by Cathy Underwood, a Design-Build Project Manager experienced in K-12 PPEA delivery and who will ensure all team members are focused on the goals at hand and that we are in fact, delivering on promises. Everything we do will be transparent and available for Roanoke County Public Schools review at any time upon request. Our approach and methodology anticipate we will need to meet the scrutiny of an audit at project completion. Simply summarized, the Branch | RRMM | Balzer management approach and goal is to become an extension of RCPS staff while guiding RCPS through the PPEA process and to approach the decisions we make as if we were Roanoke County Public Schools.



BRANCH

PRIVATE ENTITY/DESIGN-BUILDER



DESIGN SERVICES



Architectural



Civil, Structural & Survey



MEP



CTE Consultant



Foodservice Consultant



BUILD SERVICES



Design Build Contractor



Site Development Design Assist Partner



MEP Design Assist Partner & Trade Partners



SPECIALTY

Design-Build Contractor

YEARS IN BUSINESS

60 Years

LOCATION(S)

Roanoke (Headquarters),
Richmond, Hampton Roads,
Chantilly, VA & Morrisville, NC

**8 Total Virginia
K-12 PPEA
School Projects
Totaling Over
1,017,000 SF**

**Over \$775M of
K-12 Education
Expertise in the
Last 10 Years**

BRANCH

Design-Build Contractor

BRANCH | Design-Builder

Branch is headquartered locally in Roanoke, Virginia, supported by regional offices in Richmond, Hampton Roads and Chantilly, Virginia as well as Morrisville, North Carolina. Branch has been building transformational K-12 projects throughout Virginia, North Carolina and West Virginia for 60 years. K-12 construction is what we do – it is our specialty and our passion. Branch has vast experience with schools of all grade categories, including career and technical education (CTE) facilities. Our firm has constructed these projects as a traditional hard bid Contractor, Construction Manager at Risk (CMAR) and Design-Builder (including PPEA). As a Roanoke-based corporate citizen, we are keenly familiar with the Roanoke market and trade partner community who will fulfill critical roles as the project progresses.

PPEA Expertise | Branch is a premier PPEA K-12 design-builder in Virginia. Branch has long been a proponent of the PPEA delivery approach as it is the most conducive process for meeting all owner project objectives in a collaborative and harmonious manner, saving time and money. The hallmark of Branch's PPEA design-build methodology is our client-focused professional preconstruction services which entail comprehensive project analysis to identify cost-saving options, constructability solutions, Building Information Modeling (BIM) and schedule enhancements while providing general owner guidance throughout the PPEA design-build process. We employ a 100% transparent, open-book approach so RCPS will always know where every construction dollar is being spent and RCPS will be in the best position possible to make sound and confident decisions. Branch's PPEA experience includes our fast-tracked \$107.5 million, 3-School PPEA project for Montgomery County Public Schools, who were so pleased with Branch's PPEA methodology, they subsequently selected us on the \$35 million Christiansburg 3-Elementary Schools PPEA design-build project. **Both of these PPEA projects involved 3 separate K-12 school facilities constructed on three separate sites concurrently which perfectly aligns with the current needs of Roanoke County Public Schools.**

Organization | Branch was founded in Roanoke in 1963 by Bill Branch. In 1982, the company converted to an Employee Stock Ownership Plan (ESOP) firm and is now 100% employee-owned, which ensures that every employee has a vested interest in the company's success and is a key reason why our firm has continued its strong growth. In 1985 the firm was reorganized into The Branch Group, which is made up of three divisions:



Branch Builds | Design-Build Construction Management

Branch Builds, Inc. is a premier Mid-Atlantic design-build, construction management and general contracting firm. Since 1963, we have provided professional preconstruction and construction services for private and public-sector clients, utilizing our collaborative partnering methodology across all delivery approaches. Offering clients the accessibility and personalized support of a local firm with the capabilities and resources comparable to a national corporation, Branch Builds has maintained a policy of providing only the highest quality of client-focused services. Branch Builds' focus is high-end educational facility construction in the Mid-Atlantic region (primarily Virginia, North Carolina, West Virginia markets). Although we maintain a robust position as a general contractor, Branch's predominate method of project delivery today involves our collaborative partnering approach through providing both preconstruction and construction services via Design-Build and Construction Management at Risk delivery.

#10 Education Builder
in the Mid-Atlantic
(Engineering News-Record)

#10 Virginia-Based
Contractor (Engineering
News-Record)

#14 Public Sector
Contractor in the Mid-
Atlantic (Engineering News-
Record)

#19 Top Contractor in
the Washington, DC Metro
Area (Washington Business
Journal)

#21 Top Mid-Atlantic
Contractor (Engineering
News-Record)

#247 ENR Top National
Contracting Companies

The cornerstone of Branch Builds' success lies in the expertise of our many construction professionals and our wide range of capabilities and experience. Always on the cutting edge of advancements in the industry, our staff utilizes state-of-the-art technologies and processes to strategically plan and manage projects of all types, magnitudes and complexities. As one of the region's most diversified construction firms, we have been privileged to call many of the region's highest profile and most sophisticated buyers of construction services our clients. Branch Builds offers RCPS far more experience guiding our client partners through the PPEA process than other local firms as we are widely regarded as a leading Mid-Atlantic PPEA Design-Builder.

Hopkins | Lacy | Mechanical, Electrical & Plumbing



Hopkins | Lacy is a Roanoke-based Mechanical, Electrical, Plumbing, and Pipe & Sheet Metal Fabrication contracting firm. Founded in 1958, Hopkins | Lacy has become one of Southwest Virginia's most respected and accomplished commercial MEP companies. With the merger of L.A. Lacy in 2021, our combined 164-year history gives us unparalleled experience and knowledge throughout central and southwest Virginia. As a division within the Branch Group, we have a stronger financial position, long-term management, and greater technical expertise than our competitors. We have licensed engineers on staff to provide comprehensive MEP design services as part of our design-assist and design-build expertise. The company continues to build upon the high standards of quality and the sound engineering skills our customers have come to expect. Additionally, recent investment in technology and state-of-the-art fabrication operations means we are a turnkey contractor. From design and preconstruction services to building your project, to maintaining it 20 years in the future, we are here for you. Our company has performed mechanical, electrical, plumbing and pipe & sheet metal fabrication, full BIM coordination, design, and 24-hour services for many of Virginia's municipalities as well as the largest and most technically sophisticated organizations in the Mid-Atlantic region.

Branch Civil | Site Development & Roads



Branch Civil is committed to continuing its 60-year tradition of building enduring infrastructure projects through design-build, design-bid-build, and civil construction. Branch Civil roots itself in a longstanding tradition of serving the transportation and infrastructural needs between and within communities throughout the Mid-Atlantic and Southeast United States. The company's history of planting, cultivating, and growing transparent, professional relationships with its clients has established Branch Civil as a respected name within the civil construction industry. Branch Civil offers a dynamic range of services, including site development, heavy civil construction, preconstruction services and PPEA design-build.

Turnkey Capabilities | Branch is able to provide exceptional value on large, high-profile projects where our building, MEP, and site development divisions collaborate and offer our clients a single-source, turnkey solution. With this method, we can optimize coordination, and most importantly, maintain control over quality, schedule and cost, which is extremely beneficial to RCPS given the current volatility in the construction market. Ranked by revenue, Branch is annually listed in the prestigious ENR Top 400 Contractor's list, currently #247 in the nation, #21 in the Mid-Atlantic region and #10 in Virginia. We offer RCPS the sophistication and horsepower of a national firm along with the attention and personalized service of the local Roanoke partner that we are.



SPECIALTY

Architecture and Interior Design

YEARS IN BUSINESS

35 Years

LOCATION(S)

Roanoke, Chesapeake, Richmond,
and Arlington, Virginia

SWAM STATUS

Virginia Certified Small Business
(No. 652673)

PERSONNEL

116 Employees

40 Registered Architects

6 Interior Designers

15 LEED Accredited Professionals

6 Construction Administrators

**A Top
Educational
Designer in the
Mid-Atlantic by
ENR**

**20+ PPEA
Projects in the
Past 15 Years**

RRMM ARCHITECTS

Architecture / Interior Design

RRMM Architects, PC is an award-winning, full-service architecture, planning and interior design firm with offices in Roanoke, Chesapeake, Richmond, 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 as well as a Top 2022 Design Firm in the Nation by Engineering News-Record.

Built on the foundation of a broad and dedicated clientele with repeat business exceeding 60 percent, and attaining 40 percent of new clients, RRMM has consistently demonstrated a level of service and design that has earned the trust and respect of clients and peers alike. We ask the right questions and develop a thorough understanding of the client's needs and goals. In this first step, we set 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.

RRMM is extremely experienced with the PPEA procurement method, having designed over 20 PPEA projects. We are currently designing a PPEA project for renovations and additions to George Washington High School for Danville and our PPEA project for Rustburg Middle School is currently under construction. In past years, we've also designed included five new elementary schools for Norfolk Public Schools, two new high school for Wise County, as well as a new high school and renovations and additions to five elementary schools for Patrick County. Along with Branch, we designed the new Auburn High School and the renovations and additions to Auburn Middle School.

"Working with everyone associated with RRMM Architects has been remarkable. The respect shown for our students, parents, teachers, and staff is evidence in the careful design and considerate touches throughout our entire school."

— Kelly Hedrick, Principal, Old Donation School



Note: Gray shading denotes areas where we have worked.

■ Denotes office locations.



SPECIALTY

Civil Engineering, Site Design,
Surveying & Structural Engineering
Design

YEARS IN BUSINESS

56 Years

LOCATION(S)

Roanoke, Richmond, New River
Valley & Shenandoah Valley

BALZER & ASSOCIATES

Civil Engineering, Site Design, Surveying & Structural Engineering Design

Balzer and Associates, Inc. was founded in 1967 by Donald J. Balzer, Sr. as a consulting planning firm. Since that time, the firm has expanded to include architecture, civil and structural engineering, survey, landscape architecture, environmental and soils studies, and land development consulting services. This diversity enables Balzer and Associates to coordinate and control the interconnected disciplines required to successfully complete projects of varied scope and complexity. Balzer and Associates is committed to delivering projects, from departmental to full-service, within stated timelines and budgetary constraints. Our track record can be attributed to a proficient foresight to project completion and our dedication to performance.

Utilizing a staff of over 150 professionals and support personnel, Balzer and Associates offers technical knowledge, personal service, and enthusiasm to its clients. To better serve our clients across the Commonwealth, Balzer and Associates has established offices in Richmond, the New River Valley, and the Shenandoah Valley, in conjunction with our corporate headquarters in Roanoke, Virginia. The firm is committed to serving its clients as one corporate unit employing the advantages of independent offices in a complementary function.

Balzer and Associates maintains a staff of in-house architects, civil and structural engineers, landscape architects, environmental consultants and, surveyors. In addition, the firm works with a preferred group of mechanical and electrical engineering consultants, and geotechnical engineering consultants. This ensures the right team can respond to client interests and concerns efficiently and appropriately.

Balzer and Associates' professional and support personnel include:

- Licensed Professional Engineers
- Licensed Land Surveyors
- Licensed Architects
- Technical Staff
- Licensed Landscape Architects
- Administrative Staff



PLANNERS

Urban Planning
Municipal Studies
Annexation / Consolidation
Environmental Impact Studies
Regional Planning
Grants Application &
Management
Site Investigation
Zoning



ARCHITECTS

Architectural Design
Landscape Architecture
Industrial / Warehouse
Historic / Adaptive Reuse
Religious
Medical / Healthcare
Commercial / Retail Design
Multi-Family Development



ENGINEERS

Site Engineering
Utility Design
Stormwater / Wastewater
Management
Structural Engineering
Building Systems Analysis
Foundation Design
Construction Inspection
Soils Evaluation & Septic
System Design
Feasibility Studies
Environmental Reports
Permitting



SURVEYORS

Boundary / Topographical
Surveys
Construction Staking
ALTA / NSPS Land Title Surveys
Elevation Certificates
LOMAs
Mortgage Surveys
As-Built Mapping
Easement Mapping
Subdivision Platting
Telecommunications Surveys



SPECIALTY

MEP and Fire Protection
Engineering

YEARS IN BUSINESS

64 Years

LOCATION(S)

Roanoke and Richmond, VA

SWAM STATUS

Virginia Certified SWaM Small
Business (No. 93485)

ASCENT ENGINEERING GROUP

Mechanical / Electrical / Plumbing and Fire Protection Engineering

Ascent Engineering Group, Inc. was established in 1959 specializing in engineering and design of Mechanical, Electrical, Plumbing, Fire Protection and Information Technology Systems for K-12 educational facilities and higher education facilities of all types. We are also specialized in the design of local government facilities, health care facilities, commercial buildings, animal care facilities and retirement facilities. Ascent provides planning, design and consulting engineering services to Owners, architects and other engineers. Professional Engineering service constitutes the entire activity for the firm, which produces plans, specifications, studies, reports, energy analysis and construction administration services.

Ascent Engineering Group, Inc. currently has 7 LEED Accredited Professionals on staff and has completed more than 35 LEED Certified projects. All of our project designs include high performance engineering design. Ascent Engineering Group has been dedicated to this practice of high performance engineering design for decades. Our commitment to high performance, quality and energy efficiency, always with the Owner's budget in mind, allows for our long standing relationships and repeat clients.

We believe in conducting business with honesty, integrity, and excellence. Our goal is not to do what is best for us, but rather what is best for the Owner. Ascent has no financial interest in the construction industry, or the manufacturing or sale of equipment. For new construction or renovation projects, we provide all of the engineering necessary for the cost-effective design, installation and operation of the mechanical and electrical systems. Ascent is an equal opportunity employer. Ascent committed to our high performance design approach, but also in the consulting engineering profession as a whole. This dedication to the business is a direct reflection of the Principals' commitment to the engineering profession and its creed of service to the public.



SPECIALTY

Career & Technical Education (CTE)
Consultant

YEARS IN BUSINESS

58 Years

LOCATION(S)

Middleburg, VA

SWAM STATUS

Virginia Certified SWaM Small
Business (No. 654472)

DIVERSIFIED EDUCATIONAL SYSTEMS (DES)

CTE Consultant

Diversified Educational Systems (DES) is a specialty interior trades contractor providing educational and institutional furniture and equipment. Our team consists of designers, estimators, procurement, installation and construction management experts. We are a Class A commercial contractor and focus on serving the Mid Atlantic market providing goods and services for a wide range of project types including; K-12 education, post-secondary education, laboratory and healthcare.

DES is a SWAM certified business established in 1965 and has worked with a wide range of project management teams, general contractors, architects, and owners on the design, management, and installation of interior casework, millwork and furnishing packages for both public and private entities.

DES provides all the right solutions for casework, custom millwork, FF&E, and instructional equipment. All integrated, quality-controlled, priced, scheduled, and installed. Optimized to perform in real-world environments by our staff of former educators, designers, and subject matter experts.



Solutions for the Culinary Arts

SPECIALTY

Foodservice Design

YEARS IN BUSINESS

22 Years

LOCATION(S)

Henrico, VA

SWAM STATUS

Virginia Certified SWaM Small,
Micro, Women-Owned Business
(No. 661777)

FOODSERVICE CONSULTANTS STUDIO

Foodservice Design

Founded in May 2000, Foodservice Consultants Studio (FCS) provides commercial and institutional foodservice professionals and architects innovative solutions to their operational and facility design challenges. FCS is a small, women-owned, micro-business certified by the Virginia Department of Small Business & Supplier Diversity, SWaM number 661777.

Culinary design is our specialty. Our principal designers, with more than 50 years of combined foodservice experience to draw upon, are experts at creating foodservice designs that resolve operational challenges, reduce operating expenses, encourage strict sanitation practices, and optimize workflow, while also being aesthetically pleasing, sustainable, and flexible.

Principal Consultants Doug Huber and Amy Hegarty received the Top Achiever Award from Foodservice Equipment & Supplies magazine in 2011 and 2019, respectively. The award recognizes foodservice professionals who help raise the industry's overall professionalism through their integrity, customer focus, and ability to build relationships based on honesty and trust with their supply chain partners.

FCS has a longstanding relationship with RRMM Architects having worked together on many projects such as Rustburg Middle School, Colonel Fred Cherry Middle School in Suffolk and King George Middle School Expansion in King George County.

1.2. RESUMES

Describe the experience of the entities making the proposal, the key principals involved in the proposed project including experience with projects of comparable size and complexity, including prior experience with 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.



EDUCATION

MS, Biological Systems
Engineering, Virginia Tech, 2000
BS, Biological Systems Engineering,
Virginia Tech, 1998
The Management Institute,
Roanoke College, 2003

EXPERIENCE

23 Years Total

REGISTRATION AND CERTIFICATION

LEED Accredited Professional

CATHERINE UNDERWOOD, LEED AP

Design-Build Project Manager

Catherine Underwood joined Branch Builds in May 2000 after completing her master's degree at Virginia Tech and began her employment as an Estimator. She has worked as a Project Manager and then as a Project Executive where her organizational and problem-solving skills have proven invaluable in bringing projects to successful completion. She has led a variety of projects over her long career using different procurement methods including CM@Risk, Design/Build (including PPEA) and competitive bid. Catherine has successfully managed numerous highly visible, large magnitude projects ranging in value up to \$107.5 million. She has earned an outstanding reputation for establishing true partnerships with her clients by ensuring that client objectives drive all of Branch's efforts. Having demonstrated over two decades of dedicated client service, analytical expertise, operations leadership, solutions-oriented collaboration and high character, Catherine is responsible for executive-level team leadership on Branch K-12 PPEA projects, which is Cathy's forte and passion.

RELEVANT EXPERIENCE:

Montgomery County Public Schools Three-School PPEA, Montgomery County, VA

This \$107.5 million PPEA design-build project was a complex, multi-faceted undertaking that involved the design and construction management of three separate schools for Montgomery County Public Schools. The entire scope of work was procured under a single design-build contract. Blacksburg High School was a new three-story, 300,000 SF high school, Auburn High School was a new 175,000 SF high school and Auburn Middle School involved the comprehensive renovation of the historic 120,000 SF Auburn High School into the new middle school. All three schools were constructed at the same time with the exception of the Auburn Middle School which was phased to overlap with the new Auburn High School project.

Christiansburg Elementary School Three-School PPEA, Christiansburg, VA

Branch was selected as the PPEA contractor on this multi-faceted project that involved the improvements of three separate elementary schools for long-time repeat client, Montgomery County Public Schools. Branch worked in partnership to design and manage the renovations and additions to existing Christiansburg Primary, Christiansburg Elementary & Belview Elementary Schools. All three schools were constructed at the same time.

Ridgeview High School, Middle School & Career Center, Clintwood, VA

Branch was the successful low bidder on the new \$59.2 million, 285,000 SF Ridgeview High School, Middle School, and Career Center project in Clintwood, Virginia. The primary structure contained the high school, middle school, auditorium, and various athletic and arts program spaces, while an additional free-standing structure houses the career education programs. The Ridgeview school consolidated the former Clintwood, Ervinton, and Haysi High Schools and created a new middle school for the County.



EDUCATION

Civil Engineering, Virginia Tech

EXPERIENCE

33 Years Total

REGISTRATION AND CERTIFICATION

ASHE Health Care Construction
Certification (HCC)

DOUG CHILDRESS

Preconstruction Manager

Doug has experience as a collaborative leader and preconstruction estimator. His diverse estimating experience includes a focus on education and healthcare preconstruction services as well as significant industrial, science/laboratory, institutional and commercial projects involving both new construction and additions/renovations. He is skilled in developing estimates at all levels of design and detail from conceptual stage to final construction documents. Doug's strengths include comprehensive value analysis and the development of cost saving alternative methods, systems and materials options. A gifted communicator, Doug works in partnership with clients and design professionals to maximize the value Branch clients receive for each and every construction dollar budgeted.

RELEVANT EXPERIENCE:

Christiansburg Elementary School Three-School PPEA, Christiansburg, VA

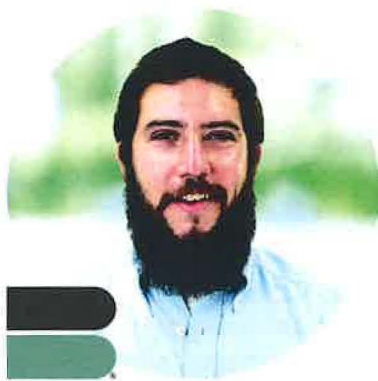
Branch was selected as the PPEA contractor on this multi-faceted project that involved the improvements of three separate elementary schools for long-time repeat client, Montgomery County Public Schools. Branch worked in partnership to design and manage the renovations and additions to existing Christiansburg Primary, Christiansburg Elementary & Belview Elementary Schools.

G.L.H. Johnson Elementary School PPEA, Danville, VA

Branch was selected on this highly competitive public-private partnership (PPEA) design-build collaboration. Our team is providing turn-key PPEA design-build services to design and construct this much needed new Elementary School for Danville Public Schools (DPS). The new G.L.H. Johnson Elementary School will be constructed adjacent to DPS' existing Elementary School as a replacement to accommodate a baseline 650-student population. Ongoing operations at the existing campus will be uninterrupted via our phased work plan, which creates a new staff parking area allowing the existing parking to be converted into a safe temporary student drop-off route. This in turn, allows construction to begin on the new school with its planned future drop-off circulation.

Carilion Roanoke Memorial Hospital Expansion, Roanoke, VA

Carilion Clinic selected Robins & Morton/Branch Builds as the Construction Manager at Risk to provide preconstruction planning and construction services for the new campus-wide \$400 million expansion to Roanoke Memorial Hospital in Roanoke, Virginia. The project is being delivered in a collaborative, team environment and includes a new patient tower to care for emergency and heart patients, a new behavioral health hospital across Jefferson Street and a parking garage and pedestrian skyway to connect it all. The contract value of Branch's Joint Venture partnership position is \$130 million.



TAYLOR MARTIN

Superintendent

EDUCATION

BS, Business Administration,
Liberty University, 2018
The Management Institute,
Roanoke College, 2017

EXPERIENCE

10 Years Total

REGISTRATION AND CERTIFICATION

OSHA 30-Hour
First Aid | CPR

Taylor Martin is a RCPS Burton CAT graduate who has developed into one of Branch's finest Field Superintendents, as illustrated by his track record of success of some of our most sophisticated, highly visible projects. Taylor is a cerebral team leader known for his ability to efficiently analyze and identify value-added solutions in the field. In addition to his partnering spirit and advanced communication skills, he is highly organized and enjoys lending hands-on support whenever required. Taylor is experienced managing projects via collaborative PPEA design-build and CM@Risk delivery. He builds high-performing project teams on these cooperative partnering projects by excelling in directing Branch's Team Centered Planning process, our customized LEAN-based management protocol, to ensure precise coordination, efficiency and accountability. Taylor has supervised projects for several of Branch's repeat clients, including Virginia Tech, Roanoke College, Radford University and Montgomery County Public Schools.

RELEVANT EXPERIENCE:

Christiansburg Elementary School Three-School PPEA, Christiansburg, VA

Branch was selected as the design-builder through a competitive public-private partnership procurement process on this multi-faceted project that involved the improvements of three separate elementary schools for long-time repeat client, Montgomery County Public Schools. Branch worked in partnership to concurrently design and manage the renovations and additions to existing Christiansburg Primary, Christiansburg Elementary & Belview Elementary Schools.

Roanoke College Cregger Center, Salem, VA

The Cregger Center is a new \$39.6 million, 155,000 SF state-of-the-art athletic and events facility for our valued repeat client, Roanoke College, located in Salem, Virginia. Branch was hired to provide comprehensive design-build services, which included assisting in the architect selection process as well as providing Branch's professional preconstruction services. The new multi-level center includes a modern performance gymnasium with seating for 2,500, a multi-sport field house with a 200-meter indoor track, event space and seating for 3,500, numerous social spaces, conference rooms, sports administration offices, and recruitment facilities. Also included are cutting edge Physiology and Kinesiology fitness labs, weight rooms, training rooms, athletic laundry facilities, and ample multipurpose space. It also houses the college's Athletic Hall of Fame, reflecting the rich tradition of Roanoke College Maroon athletics. As part of this facility, Branch created a new central plant to serve the Cregger Center and two existing buildings on campus.

VWCC New STEM Building, Roanoke, VA

Branch was selected over national competition by Virginia Western Community College (VWCC) and the Virginia Community College System to serve as the Construction Manager at Risk on this new \$24 million sciences, technology, engineering and mathematics facility for VWCC in Roanoke, Virginia. Branch provided our professional preconstruction services, including design-stage feedback to reduce costs during the establishment of a Guaranteed Maximum Price (GMP) prior to construction. The new STEM building is a 4-story steel-frame building with an attractive brick and curtain wall exterior. The building has approximately 72,000 SF of high-tech academic classroom, two-tiered lecture, laboratory, and administrative space.



JOSH MILLS

MEP, Operations Director

EDUCATION

BS, Engineering Technology, Old Dominion University

AAS, Mechanical Engineering Technology, Virginia Western Community College

AAS, Architectural/Civil Engineering Technology, Virginia Western Community College

Emerging Managers Institute
Project Manager's Academy Boot Camp (ABC – VA Chapter)
Management Institute of Roanoke College

EXPERIENCE

16 Years

Josh Mills began his MEP career at Hopkins | Lacy while he was still a full-time student at Virginia Western Community College in Roanoke, Virginia, where he ultimately earned numerous degrees. He started as a plumber's helper and has steadily advanced through the organization, holding positions in estimating, project management and operations management. Josh's experience has touched most all aspects of the mechanical construction environment, across virtually every project sector and market. He offers a detail-oriented approach to complement his insistence on continuous, advanced-level communications. Josh manages major accounts such as the Virginia Tech Corporate Research Center where Hopkins | Lacy is the specified MEP contractor on their complex research/laboratory facilities.

RELEVANT EXPERIENCE:

- Fallon Park Elementary, Roanoke, VA
- Virginia Tech Virginia Bio-Informatics Data Center, Blacksburg, VA Hollins University Dana Science Center
- Virginia Tech English Field, Blacksburg, VA
- Virginia Tech Corporate Research Center Bldg 1311, Blacksburg, VA
- Virginia Tech Corporate Research Center 1861 Swing/Lab Space, Blacksburg, VA
- Virginia Tech Corporate Research Center 1331, Blacksburg, VA
- Virginia Military Institute Scott Shipp Hall, Lexington, VA
- Virginia Tech Corporate Research Center Block One, Blacksburg, VA
- Virginia Tech Corporate Research Center Moss Building Renovation, Blacksburg, VA
- Carilion Rockbridge Community Hospital Pharmacy Renovation, Lexington, VA
- Virginia Tech Corporate Research Center Intuitive Surgical, Blacksburg, VA
- Virginia Tech Johnson Hall Phase 2 Renovations, Blacksburg, VA
- Virginia Tech Corporate Research Center 1600 Swing Space, Blacksburg, VA
- Carilion Roanoke Children's Hospital OR & Sleep Study, Roanoke, VA
- Breckinridge Middle School HVAC Replacement, Roanoke, VA
- Virginia Tech Corporate Research Center 1715 Intuitive, Blacksburg, VA
- Raleigh Court Presbyterian Church HVAC Renovation, Roanoke, VA
- Virginia Tech Corporate Research Center CoGro, Blacksburg, VA
- Virginia Tech Corporate Research Center VTOIATI, Blacksburg, VA
- Virginia Tech Student Wellness Facility, Blacksburg, VA
- Virginia Tech Student Wellness Pool Area, Blacksburg, VA
- Virginia Tech Student Wellness Table Tennis, Blacksburg, VA
- Virginia Tech Corporate Research Center Garvin Building, Blacksburg, VA
- Virginia Tech Donaldson Brown Ductwork Replacement, Blacksburg, VA
- Mineral Gap Data Center, Wise, VA
- Virginia Tech Football Lounge Renovation, Blacksburg, VA
- Virginia Tech Corporate Research Center NOAA, Blacksburg, VA
- Galax Behavioral, Galax, VA
- Virginia Tech Owens Hall Renovations, Blacksburg, VA
- Virginia Tech West End Market Replacement Pumps, Blacksburg, VA
- Virginia Tech Dietrick Hall Replacement Pumps, Blacksburg, VA
- Virginia Tech Student Wellness – Underground CHW Piping, Blacksburg, VA
- Virginia Tech Peddrew-Yates AHU Replacement and CHW Piping, Blacksburg, VA



JOE THIELECKE

Senior Project Manager

EDUCATION

BS, Finance, Virginia Tech, 2003
Market Research & Finance,
University of Lugano, 2002

EXPERIENCE

14 Years Total

REGISTRATION AND CERTIFICATION

Commonwealth of VA Real Estate
Salesperson License, 2015
Certified Commercial Investment
Member Designation, 2005

Joe Thielecke graduated from Virginia Tech's Finance program in 2003 and upon graduation began his career with his family's real estate investment business where he found his niche with commercial construction projects. Joe joined Branch in 2011 as an estimator. He has since been promoted first into project engineering and later into project management roles on highly visible, large-scale construction projects due to his exceptional attention to detail and communication skills. Joe has proven effective in generating consensus on critical, project-shaping solutions and has served Branch well with his client-centric focus. His diverse background and commitment to thoughtful planning and execution have proven invaluable to the success of his projects. His recent experience includes the Washington & Lee Center for Global Learning project as well as the \$36 million Auburn High School and \$19 million Auburn Middle School projects, both of which included CTE facilities and were part of our \$107.5 million PPEA project for Montgomery County Public Schools.

RELEVANT EXPERIENCE:

Auburn High School, Riner, VA

Auburn High School is one of three packaged Design-Build schools (overall value \$107.5M) awarded to Branch Builds, Inc. through a highly competitive PPEA selection process conducted by the Montgomery County School Board. The orientation of the 175,000 SF new high school created a strong connection between CTE, sporting, performance and academic areas with the center of the classroom areas designed to provide flexible, technology-rich spaces for student-centered learning. To address the building's character to the adjoining school (former historic Auburn High School) the team chose brick in contrasting patterns, extensive high-performance glass for clerestory and roof monitors and complimenting sloping metal and flat roofs. The project was constructed on a fast-track schedule with partial Guaranteed Maximum Pricing (GMP) breakouts to facilitate early site grading, foundation and structural steel packages. Overall, the project was constructed in 20 months and was completed concurrently with the new Blacksburg High School project as a bundle under one PPEA contract.

Auburn Middle School, Riner, VA

Auburn Middle School is a 120,000 SF Design-Build project Branch and design partners RRMM Architects, OWPR, Stroud & Pence and Lawrence Perry & Associates were awarded via a highly competitive Public Private Partnership selection process. The new Auburn Middle School captures and re-uses the primary façade and 1953 addition of the former high school while creating a new 120,000 SF learning center. To address the building's historic character, the new Auburn Middle School segues with the existing structure through use of matching brick, massing, roof shapes and building articulation to compliment the original design. Construction incorporates sophisticated energy modeling, new dimmable lighting controlled by sensors, light shelves and a high-performance "energy star" HVAC system which includes both 4-pipe and packaged HVAC units. The project commenced immediately following construction of the new Auburn High School and was constructed on an accelerated fast-track schedule.

Washington & Lee University Center for Global Learning, Lexington, VA

Branch served as the Construction Manager at Risk for Washington & Lee University's new \$10.6 million Center for Global Learning project, which consisted of partial demolition, renovation and expansion of the existing duPont Hall and a new 19,800 SF, 2-story addition.



JIMMY KENYON

Senior Superintendent

EDUCATION

North Surry High School, 1997

EXPERIENCE

25 Years Total

REGISTRATION AND CERTIFICATION

OSHA 30-Hour
First Aid | CPR

Jimmy Kenyon is a versatile field construction professional with over 25 years of construction industry experience, primarily on highly sophisticated, large-magnitude K-12 and higher education projects. A client-focused and results-oriented field leader, he has established a track record for building consensus among project team members toward the achievement of client objectives. His experience includes developing partnerships and building positive rapport with architects, engineers, vendors and clients while maintaining costs and turning over projects ahead of absolute occupancy deadlines. Jimmy prefers a "hands-on" approach to field supervision and maintains close involvement in coordinating and overseeing subcontractor activities. He has successfully supervised numerous large-magnitude education projects over the course of his career, including the three-elementary school PPEA project recently completed for Montgomery County Public Schools.

RELEVANT EXPERIENCE:

Montgomery County Public Schools Three-School PPEA, Montgomery County, VA

This \$107.5 million PPEA design-build project was a complex, multi-faceted undertaking that involved the design and construction management of three separate schools for Montgomery County Public Schools. The entire scope of work was procured under a single design-build contract. Blacksburg High School was a new three-story, 300,000 SF high school, Auburn High School was a new 175,000 SF high school and Auburn Middle School involved the comprehensive renovation of the historic 120,000 SF Auburn High School into the new middle school.

Christiansburg Elementary School Three-School PPEA, Christiansburg, VA

Branch was selected as the design-builder through a competitive public-private partnership procurement process on this multi-faceted project that involved the improvements of three separate elementary schools for long-time repeat client, Montgomery County Public Schools. Branch worked in partnership to concurrently design and manage the renovations and additions to existing Christiansburg Primary, Christiansburg Elementary & Belview Elementary Schools.

Ridgeview High School, Middle School & Career Center, Clintwood, VA

Branch was the successful low bidder on the new \$59.2 million, 285,000 SF Ridgeview High School, Middle School, and Career Center project in Clintwood, Virginia. The primary structure contained the high school, middle school, auditorium, and various athletic and arts program spaces, while an additional free-standing structure houses the career education programs. The Ridgeview school consolidated the former Clintwood, Ervinton, and Haysi High Schools and created a new middle school for the County.



EXPERIENCE

35 Years Total

HOWARD WOODFORD

MEP Preconstruction Manager

Howard Woodford is an MEP industry veteran of over 35 years, having spent much of his career specializing in the electrical field. As one of Hopkins | Lacy's most senior leaders, Howard offers decades of lessons-learned experience across all sectors and delivery approaches. He has served in field supervisory, project management and estimating roles over the course of his career primarily on healthcare, education, industrial or general commercial projects. He is well known for his ability to cultivate long-term working relationships with clients as well as designers, building officials and other industry partners. Howard's expertise with highly sophisticated systems offers clients peace of mind in knowing their complex projects are thoroughly understood, planned and executed.

RELEVANT EXPERIENCE:

- Carilion Mountain Pavilion, Roanoke, VA
- Carilion Consolidation (South Tower Addition), Roanoke, VA
- Carilion Clinic, Roanoke, VA
- Carilion Giles Memorial Hospital, Pearisburg, VA
- Carilion Franklin Memorial Hospital Operating Room Addition, Rocky Mount, VA
- Carilion Crystal Spring Tower, Roanoke, VA
- Carilion CEP Co-Gen, Roanoke, VA
- Carilion Roanoke Children's Hospital OR Renovation, Roanoke, VA
- Carilion Roanoke Children's Hospital Anatomy Lab, Roanoke, VA
- Carilion Simulation Lab, Roanoke, VA
- Carilion West Electrical Room Relocation, Roanoke, VA
- Carilion Roanoke Children's Hospital 2nd Floor ED Relocation, Roanoke, VA
- Galax Behavioral Health, Galax, VA
- Danville SOVAH ER Renovation and Addition, Danville, VA
- Augusta Medical 3rd Floor Fit-Out, Augusta, VA
- Centra Southside Emergency Electrical System Replacement, Farmville, VA
- Mount Regis Center, Salem, VA
- Virginia Tech Carilion – School of Medicine & Research Institute, Blacksburg, VA
- Virginia Tech Carilion – Biomedical Research, Blacksburg, VA
- Virginia Tech English Field, Blacksburg, VA
- Virginia Tech Basketball Practice Facility, Blacksburg, VA
- Virginia Tech Lane Stadium South Endzone, Blacksburg, VA
- Virginia Tech HABBI, Blacksburg, VA
- Virginia Tech Student Wellness Facility, Blacksburg, VA
- Virginia Tech South Chiller Plant, Blacksburg, VA
- Virginia Tech Marching Virginians Practice Facility, Blacksburg, VA
- Virginia Tech VBI Data Center, Blacksburg, VA
- Virginia Tech O'Shag Renovations, Blacksburg, VA
- Virginia Military Institute Scott Shipp Hall, Lexington, VA
- Virginia Military Institute Indoor Training Facility, Lexington, VA
- Roanoke College Cregger Center, Salem, VA
- Radford University CAIC, Radford, VA
- Emory & Henry Health Sciences, Emory, VA
- Washington & Lee Center for Global Learning, Lexington, VA
- Washington & Lee Natatorium, Lexington, VA



DAN LIEBER

MEP – Design Manager

EDUCATION

BS, Mechanical Engineering,
Virginia Military Institute

EXPERIENCE

20 Years Total

REGISTRATION AND CERTIFICATION

Professional Engineer: VA

Dan Lieber is a professional mechanical engineer with over 20 years of high-end MEP design experience. Holding a Bachelor of Science degree in Mechanical Engineering from VMI, Dan has been designing complex HVAC and plumbing systems for many of the most sophisticated healthcare and education projects in SW Virginia, in addition to state-of-the-art and highly sensitive U.S. Department of Defense projects. Dan is an environmentally conscientious designer possessing a great deal of LEED project experience. He is well respected by his clientele for his extensive knowledge/expertise and his ability to find creative design solutions on the most challenging of projects.

RELEVANT EXPERIENCE:

- Carilion Riverside Clinic, Roanoke, VA
- Carilion Roanoke Memorial Hospital Consolidation, Roanoke, VA
- Virginia Tech Corporate Research Center RB 16 Lewis Gale Clinic Major Renovation, Blacksburg, VA
- Virginia Tech Corporate Research Center RB 16 Virginia Tech Occupational Health Assurance Program Major Upfit, Blacksburg, VA
- Virginia Tech Corporate Research Center RB 1901 Intuitive Surgical Major Upfit, Blacksburg, VA
- Carilion OB & GYN New River Valley Major Renovations, Christiansburg, VA
- Carilion Giles Community Hospital Energy Study, Pearisburg, VA
- Carilion New River Valley Medical Center 1st Floor Angiography Alterations, Christiansburg, VA
- Carilion New River Valley Medical Center Lower Level Biomedical Alterations, Christiansburg, VA
- Carilion New River Valley Medical Center Entry Level ED Fast Track Alterations, Christiansburg, VA
- Carilion New River Valley Medical Center ED Residency Renovations, Christiansburg, VA
- Carilion New River Valley Medical Center EN&T Suite Major Renovations, Christiansburg, VA
- Carilion New River Valley Medical Center Fitness Center, Christiansburg, VA
- Carilion New River Valley Medical Center ED Behavioral Health Holding Alteration, Christiansburg, VA
- Carilion New River Valley Medical Center OB Alterations, Christiansburg, VA
- Carilion New River Valley Medical Center AHU-21 Replacement, Christiansburg, VA
- Carilion New River Valley Medical Center ED Alterations for Forensic Exam Area, Christiansburg, VA
- Carilion New River Valley Medical Center OR Education Space Alterations, Christiansburg, VA
- Carilion New River Valley Medical Center Dialysis Renovation, Christiansburg, VA
- Carilion New River Valley Medical Center Cardiology Relocation and Alterations, Christiansburg, VA
- Carilion Roanoke Community Hospital Exhaust Fans Relocation, Roanoke, VA
- Carilion Roanoke Memorial Hospital 6th Floor TEE Room, Roanoke, VA
- Carilion Roanoke Memorial Hospital 14th Floor Pharmacy Renovations, Roanoke, VA
- Carilion Roanoke Memorial Hospital CT #4 Alterations, Roanoke, VA
- Carilion Roanoke Memorial Hospital 2 East Patient Transportation Alterations, Roanoke, VA



EDUCATION

Construction Management –
University of Texas, El Paso, 1992

EXPERIENCE

34 Years Total

MICHAEL COLBERT

Civil – Vice President, Estimating

Mike is an estimating professional with extensive knowledge of the design-build procurement process. In his current role, Mike manages all preconstruction activities, from discovery through contract execution. He develops and maintains relationships with designers, subcontractors, vendors, and joint venture (JV) partners and leads a team of estimators to deliver quality estimates that exceed customer expectations. Mike will lead our team's estimating efforts from start to finish, including developing a bottoms-up, production-based project estimate ensuring appropriate contingencies and assumptions are used to create an accurate project budget based on the project plans, requirements, and specifications of various design milestones.

RELEVANT EXPERIENCE:

Route 58 Lover's Leap Design-Build, Patrick County, VA

This \$300M, 7.4-mile portion of US Route 58 presents many challenges, including excavating more than 11M cubic yards of earth, deep drainage structures, and numerous environmental impacts, including more than five miles of streams. Mike worked with the VDOT Salem District's location and design team to develop the conceptual estimate for the project to establish the initial project budget and Guaranteed Maximum Price (GMP). Upon moving to the project development stage of the procurement, Mike led the development of the bottoms-up, production-based estimate that would ultimately result in a negotiated lump sum agreement with VDOT. Throughout this stage, Mike worked with the design team to develop value engineering (VE) concepts and cost analysis upon every design milestone. Additionally, he collaborated with VDOT to develop and implement the open-book pricing methodology that was used by Branch, VDOT, and its Independent Cost Estimator (ICE) to determine Opinions of Probable Construction Costs (OPCCs) for the project's various stages. He facilitated numerous meetings with VDOT and the ICE to compare quantities, means and methods, workforce, and equipment, scheduling, and risk items impacting project cost.

I-95 Express Lanes Fredericksburg Extension Design-Build, Stafford County, VA

This \$400M+ project for Transurban will extend the I-95 Express Lanes approximately 10 miles south of Route 610 in Stafford County to the vicinity of Route 17 (I-95 Exit 133). The project included seven bridges, several of which impacted environmentally sensitive areas, and two reversible high-occupancy toll lanes and associated tolling gantries built in the existing median of I-95. Mike was responsible for leading all estimating activities for this project, providing constructability reviews, and collaborating with the design team to provide value engineering and schedule-saving opportunities throughout the procurement. He was also integral in the planning process for Early Works Packages during the pursuit of the project.

Autozone Distribution Center, New Kent County, VA

This \$34 million, 140-acre site work project will have a 807,000 SF facility that will serve as AutoZone's East Coast distribution operation. Mike oversaw a team of estimators as they pulled together the estimate for the 515,000 CY of excavation, 3 miles of storm drainage, 1.3 miles of sanitary sewer, 2 miles of water and fire line, 100,000 tons of stone base, 2.5 miles of curb and gutter, and associated landscaping, trees, and shrubs. He oversaw the team's efforts to develop a responsive proposal that met the owner's needs and offered value engineering ideas.



EDUCATION

MS, Civil Engineering, Virginia Tech
BS, Civil Engineering,
Virginia Tech, 2016

EXPERIENCE

9 Years Total

REGISTRATION AND CERTIFICATION

Engineering-in-Training: VA

ANDREW DAVIS, EI

Civil – Construction Project Manager

Andrew oversees project management on the job level at Branch. His daily responsibilities include project oversight, project delivery, scheduling, bid review, cost management, subcontract management, internal resource scheduling, contract administration, special provision and specification management. He also leads the process for forecasting, submittal and RFI oversight, and design review/coordination. Regionally, he is responsible for managing Branch's West Division through project collaboration, regional relationships with trade partners and owners, project bid review, regional resource collaboration, targeted regional growth and development, and overall regional project knowledge and input.

RELEVANT EXPERIENCE:

Westrock Landfill 5, Phase 3A/B, Covington, VA

Andrew manages this \$4.5 million~ contract to drill, shoot, excavate and grade 430,000 CY for a future landfill expansion. His responsibilities include overall management, drill and shoot planning/coordination, contractor coordination with others in the work area, survey and quantity tracking coordination, owner coordination for potential cost savings or schedule gain through combining this project resources with landfill operations, and plan review and design coordination for next landfill phase construction.

R71 Route 311 Connector Road, Pittsylvania County, VA

Andrew is the project manager for this \$17.5 million contract with VDOT Lynchburg District for 2.2 miles of new highway connecting US Route 58 to Route 311. The project's scope of services includes the installation of seven box culverts, 200,000 CY earthwork, storm drainage, domestic water, asphalt, and wetland impacts. Andrew's responsibilities include plan review and design change review during startup, cost forecasting, project scheduling, resource scheduling, adhering to all special provisions and specifications, and overall project management to ensure project is on budget and on time.

Project Solomon, Pittsylvania County, VA

Branch is working as a subcontractor on this approximately \$11 million dollar industrial site work project that includes earthwork, subbase stone, storm drainage, domestic sewer and water, fire water, inside building grading after roof and walls, SWPPP management, deep shoring for waste treatment structures, bioretention ponds, concrete flatwork, retention pond lining, and design review and coordination. Andrew is responsible for overseeing the SWPPP planning and administration, design change review and coordination, work planning and coordination with BIM 360 underground, budget management, schedule management, and overall project management.

Troutville Safety Rest Area, Botetourt County, VA

This \$4.5 million contract for the VDOT Salem District included improvements to the existing rest area along I-81. The scope of work included earthwork, grading, storm drainage, stone subbase, asphalt, storm pipe rehabilitation, concrete flatwork, concrete barrier wall, guardrail and lighting. Andrew was responsible for plan review and design change review during startup, cost forecasting, project scheduling, resource scheduling, adhering to all special provisions and specifications, subcontractor management, DBE compliance management, and overall project management to ensure that the project was delivered to VDOT on budget and on time.



EXPERIENCE

11 Years Total

CHAD SUTTON

Civil – Construction Superintendent

In his current role at Branch, Chad is responsible for the overall success of projects, including meeting the schedule, controlling costs, and managing manpower and equipment on assigned projects. He provides continuous hands-on field supervision of all construction operations, including subcontractors and other construction-related personnel. Chad has extensive construction management and supervision experience. He has an excellent history of delivering construction projects ahead of schedule and on budget.

RELEVANT EXPERIENCE:

Pulaski Middle School Early Grading Package, Pulaski County, VA

This \$3.6 million contract included blasting for mass excavation, blasting for sewer line installation, earthwork, and utilities. The project was rough-graded for a future football field while building out soccer, baseball, and softball fields. As the project manager, Chad worked closely with the superintendent and project staff to ensure overall direction, completion, and financial outcome. He oversaw the allocation of resources to ensure a safe, timely, and quality project while meeting all project goals. He was also the project's primary contact with owner's representative(s), subcontractors, suppliers, and other company departments/personnel and pursues exemplary business relationships with same.

I-81 Widening MM 141 to 143, Roanoke County, VA

This \$29 million contract for the VDOT Salem District added an additional lane to both northbound and southbound of I-81 from Exit 141 to 143. The scope of services included the installation of 42,000 SF of sound barrier wall, moving of 110,000 CY of dirt, and placing of 60,000 tons of asphalt. Chad maintained the project schedule and oversaw the project's workforce, equipment utilization, scheduling subs, and the overall project budget.

R71 Route 311 Connector Road, Pittsylvania County, VA

Chad is the superintendent for this \$17.5 million contract with VDOT Lynchburg District for 2.2 miles of new highway connecting US Route 58 to Route 311. Chad maintained the project schedule and oversaw the project's workforce, equipment utilization, and scheduling subs, and the overall project budget.

Troutville Safety Rest Area, Botetourt County, VA

This \$4.5 million contract for the VDOT Salem District included improvements to the existing rest area along I-81. The scope of work included earthwork, grading, storm drainage, stone subbase, asphalt, storm pipe rehabilitation, concrete flatwork, concrete barrier wall, guardrail and lighting. Chad maintained the project schedule, staffing, equipment utilization, scheduling sub and monitored costs compared to budget.



CHRIS PHILLIPS, RA, AIA

Principal-in-Charge

Chris is a partner, project manager and architect that brings two decades of experience in architecture and engineering. His experience and education in both architecture and engineering are valuable skills. He has experience with many responsibilities including client contact and communications, preparation of fee proposals, project planning, budgeting and scheduling, project design, oversight of construction document preparation, interfacing with regulatory agencies, and general project team leadership through construction and project close-out.

EDUCATION

MArch, Virginia Tech, 2006
BS, Arch Engineering, Fairmont
State College, 2003

EXPERIENCE

22 Years Total

REGISTRATION AND CERTIFICATION

Registered Architect: VA

RELEVANT EXPERIENCE:

George Washington High School Renovations & Additions, Danville, VA (PPEA)

This 317,000+ SF campus has been designed to revamp the Career and Technical Education center into a flagship program for the City of Danville. The project also included a focus on improved access and security with a new main entrance addition connecting to a new elite athletic facility.

Rustburg Middle School, Campbell County, VA (PPEA)

New 136,500 SF replacement middle school designed for 750 students, with site and core facilities that can be accommodate an expansion to 900 students. The new facility is being designed on the existing school site.

James Wood High School Renovation & Addition, Frederick County, VA

A 39,000 SF addition is being added to the front of the existing building to provide a modern look to the campus, while respecting the history of the community. The interior and exterior renovations, totaling 220,000 SF, include reworking of the original site layout.

Indian Hollow Elementary School Renovation, Frederick County, VA

This 58,865 SF renovation project includes removal and replacement of wall insulation and flashing, roofing, windows, doors, skylights, as well as the installation of new solar tubes. Interior renovations are focused on all ceiling lights, painting, and ADA compliance.

Pulaski Middle School, Pulaski County, VA

New 170,000 SF middle school designed for 1,000 students. This building consolidated two middle schools into a combined facility. RRMM's design services included assisting with site selection for the new building.

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

New 165,000 SF middle school that replaces the original 50-year-old building, which experienced problems with high carbon dioxide levels. The school accommodates 1,015 students on a new 51-acre site.

Benjamin Franklin Middle School Renovation, Franklin County, VA

Renovations to the middle school's East and West Buildings. Renovations include a major replacement of HVAC systems, as well as roofing work, associated architectural improvements, and associated structural modifications.

Noel C. Taylor Academy Vestibule Improvements, Roanoke, VA

Design services for this project that included renovation the existing entry vestibule for security improvements as well as site security improvements.



EDUCATION

BArch, Virginia Tech, 2010

EXPERIENCE

14 Years Total

REGISTRATION AND CERTIFICATION

Registered Architect: VA
NCARB Certified
USGBC Green Classroom
Professional

MICHAEL MAUCERI, RA, NCARB, AIA

Project Manager / Architect

Since graduating with a Bachelor of Architecture degree from Virginia Tech in 2010, Michael's experience has led teams on comprehensive, K-12 educational design projects. Michael is a principal at RRMM, as well as a registered architect, USGBC Green Classroom Professional, NCARB certified professional, and a member of AIA. With a focus on clients' needs and values, Michael has created a design process that is engaging, thoughtful, and effective. He is driven to create well-planned, inspiring designs that carefully consider and balance the needs of both the individual and the communities that they serve.

RELEVANT EXPERIENCE:

George Washington High School Renovations & Additions, Danville, VA (PPEA)

This 317,000+ SF campus has been designed to revamp the Career and Technical Education center into a flagship program for the City of Danville. The project also included a focus on improved access and security with a new main entrance addition connecting to a new elite athletic facility.

James Wood High School Renovation & Addition, Frederick County, VA

A 39,000 SF addition is being added to the front of the existing building to provide a modern look to the campus, while respecting the history of the community. The interior and exterior renovations, totaling 220,000 SF, include reworking of the original site layout.

Salem High School Renovation & Addition, Salem, VA

This 221,000 SF renovation and 58,000 SF of additions increased the school's classroom capacity by nearly 60%. The new north addition included classroom configurations that promoted collaborative and flexible use of space. The high school's significant front additions focused on enhancing building security and safety, while bringing a sense of community and openness to its new front entrance.

Indian Hollow Elementary School Renovation, Frederick County, VA

This 58,865 SF renovation project includes removal and replacement of wall insulation and flashing, roofing, windows, doors, skylights, as well as the installation of new solar tubes. Interior renovations are focused on all ceiling lights, painting, and ADA compliance.

Rustburg Middle School, Campbell County, VA (PPEA)

New 136,500 SF replacement middle school designed for 750 students, with site and core facilities that can be accommodate an expansion to 900 students. The new facility is being designed on the existing school site.

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

New 165,000 SF middle school that replaces the original 50-year-old building, which experienced problems with high carbon dioxide levels. The school accommodates 1,015 students on a new 51-acre site.

Meadow View Elementary School, Henry County, VA

As the first new school for Henry County in over 30 years, this new 98,494 SF elementary school holds special significance for the community. The design character is reminiscent of a railroad station and incorporates the community's affection for stone and brick.



ANDY GRANT, RA

Project Manager / Project Architect

Andy is Roanoke's Director of Operations as well a Senior Associate and Senior Project Architect that brings more than 30 years' experience in architecture. He was previously the Capital Program Manager and Facilities Architect at Radford University. While at Radford University, he managed assigned campus construction related projects from their inception to completion including research, development, design documents for alteration and repair of university property. He also managed in-house and outside architectural/engineering contracts. Andy prepared contract drawings, schematics and specifications for renovation and construction projects.

EDUCATION

AAS, Architectural Technology, New
River Community College, 1988

EXPERIENCE

32 Years Total

REGISTRATION AND CERTIFICATION

Registered Architect: VA

RELEVANT EXPERIENCE:

Salem High School Renovation & Addition, Salem, VA

This 221,000 SF renovation and 58,000 SF of additions increased the school's classroom capacity by nearly 60%. The new north addition included classroom configurations that promoted collaborative and flexible use of space. The high school's significant front additions focused on enhancing building security and safety, while bringing a sense of community and openness to its new front entrance.

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

New 165,000 SF middle school that replaces the original 50-year-old building, which experienced problems with high carbon dioxide levels. The school accommodates 1,015 students on a new 51-acre site.

Pulaski Middle School, Pulaski County, VA

New 170,000 SF middle school designed for 1,000 students. This building consolidated two middle schools into a combined facility. RRMM's design services included assisting with site selection for the new building.

Rustburg Middle School, Campbell County, VA (PPEA)

New 136,500 SF replacement middle school designed for 750 students, with site and core facilities that can be accommodate an expansion to 900 students. The new facility is being designed on the existing school site.



EDUCATION

BArch, Virginia Tech, 1978

EXPERIENCE

44 Years Total

REGISTRATION AND CERTIFICATION

Registered Architect: VA

DAVID JONES, RA, AIA

Code Specialist and Quality Control

David has more than 44 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. Having worked on various new construction, addition, and renovation projects gives him a thorough awareness of changing facility needs. He has apprised himself of developments related to the architectural field by attending continuing education seminars on building code application, architectural hardware, roofing, office management and efficiency, and energy conservation, among others. With this experience he will integrate your needs with creating efficient and functional facilities for the end users.

RELEVANT EXPERIENCE:

George Washington High School Renovations & Additions, Danville, VA (PPEA)

This 317,000+ SF campus has been designed to revamp the Career and Technical Education center into a flagship program for the City of Danville. The project also included a focus on improved access and security with a new main entrance addition connecting to a new elite athletic facility.

William Byrd High School Renovation & Addition, Roanoke County, VA

This 149,279 SF renovation and 33,890 SF addition project addressed deficiencies in instructional spaces, administrative spaces, and in common use areas such as the cafeteria and athletic areas. The project also introduced sustainable design elements.

Green Valley Elementary School Renovation & Addition, Roanoke County, VA

This project was a part of a major capital improvement plan for five schools in Roanoke County. RRMM performed a careful assessment of the existing conditions, developed an educational program, and designed the 53,360 SF renovations and 16,270 SF additions.

Cave Spring Elementary School Renovation & Addition, Roanoke County, VA

This project was a part of a major capital improvement plan for five schools in Roanoke County. After an initial assessment, an educational program was developed which help to guide the 50,125 SF renovations and 15,586 SF addition.

Martinsville High School Renovation & Addition, Martinsville, VA

A 46,090 SF renovation and 5,092 SF addition to Martinsville's only high school. RRMM's approach included a thorough assessment and a phased master plan to respond to the building's needs within the budget.

Marion Primary School Conversion, Renovation & Addition, Smyth County, VA

This renovation and addition project not only modernized an outdated building built in 1962, but extended the kindergarten through 2nd grade school through 5th grade school.

Seven Pines Elementary School Renovations, Henrico County, VA

This campus-style elementary school received a renovation that includes the replacement of interior finishes; updating of HVAC, electrical, plumbing, and technology systems; asbestos/lead paint abatement; improvement of ADA compliance; roofing, canopy and masonry repair; and window replacement.



EDUCATION

BArch, Hampton University, 1993

EXPERIENCE

29 Years Total

REGISTRATION AND CERTIFICATION

Registered Architect: NC, VA, MD,
+ 9 Others
BCOM Seminar 2010
CPSM, 2010

JEFFREY HARRIS, RA

K-12 Design Specialist

As Co-Director of RRMM's K-12 Design Studio, Jeff has a total of 29 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. He also possesses an awareness of changing facility needs and how to resolve these changes in existing structures. Jeff is a past Board Member with the Association for Learning Environments (A4LE).

RELEVANT EXPERIENCE:

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. Winner of the Silver Design Award from the Virginia School Board Association.

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

PPEA project that included a 217,000 SF renovation and 17,701 SF addition that created a recognizable main entrance as well as added classroom and administration space.

New Kent High School, New Kent County, VA

New 243,700 SF school organized around the school within a school concept, broken down into four smaller houses on two floors. Designed for 1,400 students. Winner of the 2008 People's Choice Award from the Virginia School Board Association.

Waller Mill Elementary School Renovation & Addition, York County, VA

Renovation of ten classrooms and addition of a new gym, as well as a new building entrance to improve the look of the building.

Chamberlayne and Seven Pines Elementary School Renovations, Henrico County, VA

Design services for these phased, occupied elementary school campus renovation projects totaling 48,159 SF for Chamberlayne and 50,031 SF for Seven Pines.

Ocean View Elementary School, Norfolk, VA (PPEA)

The existing Ocean View Elementary School was replaced with a new, two-story 92,286 SF kindergarten through the fifth grade facility on the same site.

Larchmont School, Norfolk, VA (PPEA)

Design includes a one-story common use area that houses the cafeteria, media center, gymnasium and administration, as well as two-story learning communities area.

Improvements at Coventry, Dare, & Mt. Vernon Elementary Schools, York County, VA

Improvements at Dare and Mt. Vernon included gym floor replacements and connecting corridors to replace covered walkways, improving security. Other enhancements include newly design entrances at Mt. Vernon and Coventry to include secure vestibules.



EDUCATION

BArch, University of Tennessee,
1990

EXPERIENCE

31 Years Total

REGISTRATION AND CERTIFICATION

Registered Architect: VA, AL, GA,
IL, IN, KY, LA, NV, NJ, NC, IK, SD,
NCARB

LEED Accredited Professional BD+C
CPTED Certified

MEMBERSHIPS

Virginia Green Building Council
(Past Board Chairman)
Hampton Roads Resiliency
Coalition

ROB BERZ, RA, LEED AP BD+C

CTE Design Specialist

Rob is Co-Director of RRMM's K-12 Educational Design Studio. He has over 30 years' experience in architecture with a large portion of that time spent designing educational facilities. He has been involved in all aspects of the design process from schematics through construction administration. He is designing and/or managing the LEED and environmental sustainability efforts on over 2.1 million square feet of RRMM projects. His designs focus on working with solar, water, wind, aesthetic and community assets inherent and special to each project. Rob's projects frequently involve critical community engagement in which he builds consensus around common goals.

RELEVANT EXPERIENCE:

Culpeper Technical Education Center, Culpeper County, VA

New 54,759 SF CTE building to provide Culpeper County Public Schools students the opportunity to develop hands-on skills and certifications in a variety of industries. Sustainability was a key part of this project, with efforts yielding a net-zero electricity building.

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. Winner of multiple awards from the Virginia Beach Planning Commission, A4LE, Virginia School Board Association, and Hampton Roads Association for Commercial Real Estate. Certified LEED Gold.

Princess Anne Middle School, Virginia Beach, VA

New 257,000 SF replacement school designed for 1,500 learners in 6th through 8th grade. The design includes safe outdoor learning spaces with multiple curriculum courtyards. Winner of the 2021 People's Choice Award from the Virginia School Board Association.

Blair Middle School Historic Renovation & Addition, Norfolk, VA

This award-winning renovation project brought this historic building to meet new middle school standards. This project included a 119,684 SF renovation and a 121,733 SF addition, as well as restoration of the iconic exterior staircase.

Woodbrook Elementary School Renovation & Addition, Albemarle County, VA

This single-story 51,530 SF renovation and 32,633 SF addition doubled the school's capacity to 600 students. The four separate additions accommodate students in several multi-grade learning areas, specifically designed for team teaching.

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.

Ocean View Elementary School, Norfolk, VA (PPEA)

The existing Ocean View Elementary School was replaced with a new, two-story 92,286 SF kindergarten through the fifth grade facility on the same site.



EDUCATION

BArch, Virginia Tech, 1982

EXPERIENCE

43 Years Total

REGISTRATION AND CERTIFICATION

Registered Architect: VA

BENJAMIN MOTLEY, RA

Educational Programming Specialist

Ben has managed and designed numerous educational projects for public schools, community colleges, universities, and private clients. The emphasis of his personal career has been in public school design, and his work in this arena has produced numerous, award-winning public school projects. Ben is adept at facilitating community/stakeholder involvement in projects; he frequently makes presentations to school boards, city/town councils, and other community groups to educate, inform, and invite discussion on projects.

RELEVANT EXPERIENCE:

William Byrd High School Renovation & Addition, Roanoke County, VA

This 221,000 SF renovation and 58,000 SF of additions increased the school's classroom capacity by nearly 60%. The new north addition included classroom configurations that promoted collaborative and flexible use of space. The high school's significant front additions focused on enhancing building security and safety, while bringing a sense of community and openness to its new front entrance.

Salem High School Renovation & Addition, Salem, VA

This 221,000 SF renovation and 58,000 SF addition will increase the classroom capacity by 60%. The new classroom module will allow for collaborative and flexible space configurations. The addition to the school's main facade will focus on safety and security.

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

PPEA project that included a 217,000 SF renovation and 17,701 SF addition that created a recognizable main entrance as well as added classroom and administration space.

James Wood High School Renovation & Addition, Frederick County, VA

A 39,000 SF addition is being added to the front of the existing building to provide a modern look to the campus, while respecting the history of the community. The interior and exterior renovations, totaling 220,000 SF, include reworking of the original site layout.

John Kerr Elementary School, Winchester, VA (PPEA)

This PPEA project provided a new energy-efficient elementary school to accommodate 650 students. This project utilizes the RRMM daylighting approach, which includes orienting the building for maximum daylight and using roof monitors and clerestory windows.

Indian Hollow Elementary School Renovation, Frederick County, VA

This 58,865 SF renovation project includes removal and replacement of wall insulation and flashing, roofing, windows, doors, skylights, as well as the installation of new solar tubes. Interior renovations are focused on all ceiling lights, painting, and ADA compliance.

Green Valley Elementary School Renovation & Addition, Roanoke County, VA

This project was a part of a major capital improvement plan for five schools in Roanoke County. RRMM performed a careful assessment of the existing conditions, developed an educational program, and designed the 53,360 SF renovations and 16,270 SF additions.

Masons Cove Elementary School, Roanoke County, VA

This new 52,638 SF elementary school is the first school in Roanoke County to achieve a LEED certification. With an emphasis on sustainable features, it is certified LEED Gold.



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

Interior Designer

Sarah is the Director of Interior Design – Education. 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 and procurement, art packages, custom furniture, carpet and lighting design, construction administration, and FF&E installations.

RELEVANT EXPERIENCE:

Culpeper Technical Education Center, Culpeper County, VA

New 54,759 SF CTE building to provide Culpeper County Public Schools students the opportunity to develop hands-on skills and certifications in a variety of industries. Sustainability was a key part of this project, with efforts yielding a net-zero electricity building.

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. Winner of the Silver Design Award from the Virginia School Board Association.

New Kent High School, New Kent County, VA

New 243,700 SF school organized around the school within a school concept, broken down into four smaller houses on two floors. Designed for 1,400 students. Winner of the 2008 People's Choice Award from the Virginia School Board Association.

Woodbrook Elementary School Renovation/Addition, Albemarle County, VA

This design includes the renovation, addition and modernization of an elementary school. The four, separate additions double the school's capacity to accommodate students in several multi-grade learning areas, specifically designed for team teaching.

Red Hill Elementary School Addition & Modernization, Albemarle County, VA

This project included design services for a phased, occupied modernization and renovation. A 1,485 SF addition relocated and expanded the existing administration office and clinic, and provided a new, secure front entrance to the school.

Seaford Elementary School Renovation & Addition, York County, VA

To alleviate significant growth in the Seaford community, this project includes a 12-classroom addition and a complete renovation. Another primary goal of the renovation was to improve the school's curb appeal.

Salem High School Renovation & Addition, Salem, VA

This 221,000 SF renovation and 58,000 SF of additions increased the school's classroom capacity by nearly 60%. The new north addition included classroom configurations that promoted collaborative and flexible use of space. The high school's significant front additions focused on enhancing building security and safety, while bringing a sense of community and openness to its new front entrance.

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. Winner of multiple awards and certified LEED Gold.

EDUCATION

BA, Interior Design, Radford University, 2006

EXPERIENCE

16 Years Total

REGISTRATION AND CERTIFICATION

Certified Interior Designer: VA
NCIDQ

LEED Accredited Professional ID+C



EDUCATION

BS, Civil Engineering, Virginia Tech,
2002

EXPERIENCE

20 Years Total

REGISTRATION AND CERTIFICATION

Professional Engineer: VA, NC, SC,
GA, PA, MD

MEMBERSHIPS

American Institute of Steel
Construction

RANDY TRITT, PE

Vice President – Structural

Randy Tritt is a Vice President and is the Structural Engineering Department Head. Randy is responsible for the production and review of construction documents for commercial projects. Randy has substantial knowledge of the building process, from initial conceptual design to construction document creation, construction management, and inspections. He has been involved in the design and construction of numerous types of buildings using many different foundations and structural frame systems. His project experience includes mid-rise multi-family, medical office, retail, hospitality, religious, recreation facilities, infrastructure construction, custom residential buildings, and both the design of new structures and the rehabilitation and renovation of existing historic structures.

One of Randy's many strengths is his ability to have clear and effective communication with all members of the project team. Randy works effectively with owners, architects, and contractors towards clear design intent to achieve the most efficient and cost-effective structural framing system for the project. Randy works with architects and contractors from the initial schematic planning phase through construction, ensuring a smooth transition from concept to the finished product.

RELEVANT EXPERIENCE:

- American Civil War Museum, Richmond, VA
- 1717 Innovation Center I Richmond, Virginia Cary Street Station, Richmond, VA
- Grace & Holy Trinity Episcopal Church I Richmond, Virginia Island Shrimp Company and Casa del Barco, Chesterfield, VA
- Randolph Lodge Mason's Hall Retrofit I Richmond, Virginia Crawford House Apartments, Portsmouth, VA
- Wild Horse Saloon at Slate River Ranch I Buckingham, Virginia Grandfather Golf and Country Club Fitness Center, Linville, NC
- Virginia Tech Sigma Phi Epsilon House, Blacksburg, VA



TAYLOR GOODMAN, JR., PE

Vice President – Environmental

EDUCATION

BS, Civil Engineering, Virginia Tech

EXPERIENCE

22 Years Total

REGISTRATION AND CERTIFICATION

Professional Engineer: VA

MEMBERSHIPS

Home Builders Association of
Richmond
Chesterfield Chamber of
Commerce

Taylor Goodman is a Vice President and is the Environmental Department Head. Taylor is involved in the planning, design, and construction of a wide variety of engineering, land development, stream restoration, nutrient reduction, water resources, environmental assessment, and environmental permitting projects across Virginia. Taylor's experience includes engineering, environmental design, and permitting for residential developments, commercial properties, stream and wetland mitigation banks, nutrient credit mitigation banks, and municipal and federal projects. Taylor has an extensive background in dealing with the various engineering and planning issues of site development related to feasibility studies, permitting, and compliance.

Taylor's environmental experience and frequency in dealing with federal, state, and local regulatory agencies, such as the Army Corp of Engineers and the Virginia Department of Environmental Quality, allows him to effectively and efficiently consult with owners and developers on a wide range of projects.

RELEVANT EXPERIENCE:

- Pioneer Estates Mitigation Bank, Rockbridge County, VA
- Hallsley, Midlothian, VA
- Lakeview at Luck Farm, Hanover, VA
- Diamond Hills Stream Restoration, Christiansburg, VA
- Classic Granite and Marble, Chesterfield, VA
- Swiss Dixie Nutrient Bank, Amelia County, VA
- Route 636, Augusta County, VA
- Lake Gaston Stream Mitigation Bank, Brunswick County, VA
- Valley Chrysler Dodge Jeep Ram Dealership, Augusta County, VA
- Canterbury Farms Subdivision, Powhatan County, VA



BENJAMIN CREW, LA

Vice President – Civil Engineering/Landscape Architecture

Benjamin Crew is a Vice President and the Civil Engineering/Landscape Architecture Department Head in Balzer and Associates' Roanoke office. Ben oversees all aspects of the planning, design, and project management during the site/subdivision development process. His project experience includes a wide range of commercial, industrial, and residential projects and includes services such as master planning, feasibility studies, site and subdivision design, multifamily, traditional neighborhood design, and landscape architecture. One of Ben's many strengths is designing projects which balance the client's program, local/state requirements, aesthetic, environmental, and functional design.

Ben provides professional representation with land use and zoning cases in the Roanoke Valley and surround communities. His local knowledge, community relationships, and experience with a wide range of commercial, industrial, and residential projects make him a trusted resource. With his ability to anticipate project challenges and envision the road ahead, Ben is an asset to every project team he is a part of.

EDUCATION

Bachelor of Landscape
Architecture, Virginia Tech, 2005

EXPERIENCE

17 Years Total

REGISTRATION AND CERTIFICATION

Registered Landscape Architect: VA

MEMBERSHIPS

Rotary Club of the Blue Ridge
– New Generations – Board of
Directors (Past VP)
Junior Achievement of Southwest
Virginia – Board of Directors
Ridge View Bank – Advisory Board
of Directors

RELEVANT EXPERIENCE:

- Carilion Clinic Roanoke Memorial Hospital Expansion, Roanoke, VA
- Gramercy Row, Roanoke, VA
- Appalachian Power Company and Parking Garage, Roanoke, VA
- Pinnacle Financial Partners, Roanoke, VA
- The Bridges, Roanoke, VA
- Big Lick Junction & Community High School, Roanoke, VA
- The Lawson Building, Roanoke, VA
- FedEx Facility, Roanoke, VA
- Sportsman's Warehouse, Roanoke, VA
- Hampton Inn & Suites Multiple Locations, Roanoke, VA
- Walmart Neighborhood Market Multiple Locations, Roanoke, VA
- Haley Toyota, Roanoke, VA
- Holiday Inn Express, Roanoke, VA
- Parkside Commons, Roanoke, VA
- CarMax, Roanoke, VA
- Tru Hotel, Salem, VA
- Colonial Green Medical Office Building, Roanoke, VA
- SWVA Oral & Maxillofacial Surgery Offices, Roanoke, VA



EDUCATION

John Tyler Community College,
Surveying

EXPERIENCE

23 Years Total

REGISTRATION AND CERTIFICATION

Licensed Professional Surveyor: VA

JAMES PATTON, LS

Vice President – Survey

James Patton, LS is a Vice President and is in the Survey Department of Balzer and Associates' Roanoke office. James draws upon his over 20 years of extensive surveying experience which includes: ALTA/ACSM land title surveys, topographic surveys, construction staking, subdivision plats, right of way dedication plats, easement mapping, FEMA elevation certificates, and as-built surveys; all for both residential and commercial developments. James is proficient with AutoCAD (LDD, Civil 3D, and Carlson) and is knowledgeable on both conventional and GPS survey equipment and procedures.

James has worked extensively on multi-discipline projects, and has valuable experience in coordination with civil engineers, architects, attorneys, realtors, and contractors. He is a firm believer in providing superior quality and customer service, no matter the size of the project.

RELEVANT EXPERIENCE:

- Carilion Clinic Roanoke Memorial Hospital Expansion, Roanoke, VA
- South Creek Commercial Development, Powhatan, VA
- LEC Apartments, Chesterfield, VA
- Bridgewater Retirement, Rockingham, VA
- ALDI, Harrisonburg, VA
- Dollar General, Harrisonburg, VA
- White Birch Retirement, Weyers Cave, VA
- Hidden Springs, Bentonville, VA
- Meadow Branch Apartments, Winchester, VA
- Stony Run Subdivision, McGaheysville, VA
- Crescent Ridge Subdivision, Rockingham, VA



CHRIS BURNS, PE

Associate Vice President – Civil Engineering Manager

Chris Burns is an Associate Vice President and is a Civil Engineering Project Manager in Balzer and Associates' Roanoke office. Chris is responsible for designs, planning, and construction administration during the site development process from conceptual masterplans and construction documents to project management. His project experience includes a wide range of commercial, industrial, and residential projects to include services such as master planning, site and subdivision design, road and utility design, and stormwater management. One of Chris' many strengths is designing projects which balance aesthetic, environmental, and functional design.

EDUCATION

BS, Civil Engineering, Virginia Tech,
2006

EXPERIENCE

16 Years Total

REGISTRATION AND CERTIFICATION

Professional Engineer: VA

MEMBERSHIPS

Roanoke Regional Home Builders
Association – Board of Directors

Chris has experience in transportation design including flood study analysis and the preparation of traffic studies and traffic signal designs. Chris' design experience and project management skills make him a valuable resource to the company and to our clients.

RELEVANT EXPERIENCE:

- Botetourt Family YMCA, Daleville, VA
- The Bridges, Roanoke, VA
- Gramercy Row, Roanoke, VA
- Appalachian Power Company and Parking Garage, Roanoke, VA
- Carilion Clinic Roanoke Memorial Hospital Expansion, Roanoke, VA
- Explore Park, Roanoke, VA
- Roanoke City E-911 Virginia 811 Communications Center, Roanoke, VA
- Ballyhack Golf Course Clubhouse, Roanoke, VA
- Old Mill Apartments, Lynchburg, VA
- Cregger Center at Roanoke College, Salem, VA
- Russlen Farms Subdivision, Salem, VA
- Walmart Neighborhood Market, Multiple Locations, Roanoke, VA
- Orchard Marketplace, Daleville, VA
- Fox Hunt Subdivision, Roanoke, VA
- Mason's Crest Subdivision, Roanoke, VA
- Blue Ridge Pain Management Facility, Salem, VA
- Vistar Eye Center at McVitty, Roanoke, VA
- Greenway Expansion Projects, Roanoke County, VA



MICHAEL FITZGERALD, PE

Associate – Structural Engineering

Michael Fitzgerald is an Associate and is the Structural Engineering Department Head in Balzer and Associates' Roanoke office. Mike is responsible for the structural design and production of construction documents for commercial and residential projects. He personally reviews design calculations and construction drawings prior to final submittal. His experience covers both the design of new structures and the rehabilitation and renovation of historic structures.

Mike has substantial knowledge of the building process, from initial conceptual design to construction document creation, construction management, and inspections. Mike has experience with a wide range of foundation types and building materials, such as spread footings, driven piles, mat foundations, concrete, masonry, wood, structural steel, and light gauge steel. Mike's project experience includes adaptive re-use and historic renovations, mid-rise multi-family, medical office and hospitals, retail, hospitality, religious, recreational facilities, infrastructure construction, and custom residential. His education and experience enable him to provide a high level of quality and service to our clients.

EDUCATION

BS, Civil Engineering, Virginia Tech

EXPERIENCE

15 Years Total

REGISTRATION AND CERTIFICATION

Professional Engineer: VA

MEMBERSHIPS

American Society for Civil
Engineers

RELEVANT EXPERIENCE:

- Botetourt Family YMCA, Daleville, VA
- Appalachian Power Company and Parking Garage, Roanoke, VA
- Gramercy Row Apartments, Roanoke, VA
- RE/MAX, Blacksburg, VA
- Pinnacle Financial Partners, Roanoke, VA
- American Civil War Museum, Richmond, VA
- Bath County Hospital, Hot Springs, VA
- E-911 Virginia 811 Communications Center, Roanoke, VA
- 1717 Innovation Center, Richmond, VA
- CrossPointe Church, Wirtz, VA
- Blue Ridge Pain Management Facility, Salem, VA
- Colonial Green Medical Office Building, Roanoke, VA
- Bath County Hospital, Bath County, VA



EDUCATION

BS, Electrical Engineering,
Virginia Tech, 2000

REGISTRATION AND CERTIFICATION

Professional Engineer: VA,
GA, MD, FL, KY
LEED Accredited Professional

BENJAMIN LINKOUS, PE, LEED AP

Principal-in-Charge / Electrical Engineer

Benjie has worked on numerous project types in his tenure at the firm, a majority of those projects being K-12 education facilities and higher education facilities of all types. Many of those projects include renovation, historic preservation and adaptive reuse type work. However, he also has experience with health care facilities, commercial buildings, animal care facilities, retirement facilities and local government facilities. His role has been multi-faceted, from principal-in-charge to project manager, designer and construction administration.

RELEVANT EXPERIENCE:

- Mountain View Elementary School Renovation & Addition, Roanoke County, VA
- William Byrd High School Renovation & Addition, Roanoke County, VA
- William Byrd High School Tech Lab Revisions, Roanoke County, VA
- Cave Spring High School Renovation & Addition, Roanoke County, VA
- Round Hill Elementary School Renovation & Addition, Roanoke, VA
- Fallon Park Elementary School, Roanoke, VA
- Culpeper Technical Education Center, Culpeper County, VA
- Louisa County High School (Full CTE Facilities), Louisa County, VA
- Massanutten Technical Center – Facilities Assessment Study and Master Plan, Rockingham County, VA
- Weems Elementary School Renovation & Addition, Manassas, VA
- Pleasant Valley Elementary School Renovation & Addition, Rockingham County, VA



EDUCATION

BS, Electrical Engineering and
Computer Science, Old Dominion
University, 1988

REGISTRATION AND CERTIFICATION

Professional Engineer: VA, MD, GA,
LA, MN, FL, MO, NY
Registered Communications
Distribution Designer (RCDD)

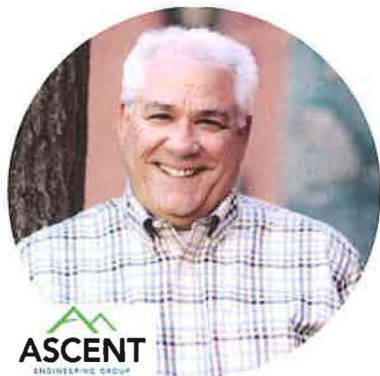
RANDALL SPENCER, PE, RCDD

IT Department Head / Electrical Engineer

Randy has experience with new construction, additions, and renovations for educational facilities in both the K-12 public school and college/university levels. Other experience includes indoor/outdoor recreational facilities, public libraries, airport renovations, data centers, black box theaters, and police stations (state-of-the-art technology for support systems, investigative services, and forensics). Randy specializes in data communications, lighting design and maximizing energy efficiency.

RELEVANT EXPERIENCE:

- Morningside Elementary School Renovation & Addition, Roanoke, VA
- William Byrd High School Renovation & Addition, Roanoke County, VA
- Round Hill Elementary School Renovation & Addition, Roanoke, VA
- Fallon Park Elementary School, Roanoke, VA
- Cave Spring High School – Value Engineering Study, Roanoke County, VA
- Louisa County High School (Full CTE Facilities), Louisa County, VA
- Stafford County High School (Full CTE Facilities), Stafford County, VA
- St. Charles County High School, Charles County, MD
- East Salem Elementary School Renovation & Addition, Salem, VA
- Scottsville Elementary School Renovation & Addition, Albemarle County, VA
- Berkeley Elementary School Renovation & Addition, Spotsylvania County, VA
- Brock Road Elementary School Renovation & Addition, Spotsylvania County, VA



EDUCATION

BS, Building Construction,
Virginia Tech, 1991

RANDALL DANIELS

Vice President of Operations / Plumbing & Fire Protection Engineer

With more than 38 years experience, Randy has worked on educational projects as well as municipal and healthcare. His role has varied from project manager, cost control liaison, and construction administration. Randy has experience with implementation and coordination of all MEP trades; however, he specialized in all aspects of plumbing and fire protection. Because of this, Randy is well qualified to service any project type from design through construction.

RELEVANT EXPERIENCE:

- Morningside Elementary School Renovation & Addition, Roanoke, VA
- William Byrd High School Renovation & Addition, Roanoke County, VA
- Oak Grove Elementary School Renovation & Addition, Roanoke County, VA
- Burlington Elementary School Renovation & Addition, Roanoke County, VA
- Clearbrook Elementary School Renovation & Addition, Roanoke County, VA
- Hidden Valley High School – Plumbing QC Check, Roanoke County, VA
- Fallon Park Elementary School, Roanoke, VA
- Round Hill Elementary School Renovation & Addition, Roanoke, VA
- Virginia Heights Elementary School Renovation & Addition, Roanoke, VA
- Louisa County High School (Full CTE Facilities), Louisa County, VA
- Stafford County High School (Full CTE Facilities), Stafford County, VA
- East Salem Elementary School Renovation & Addition, Salem, VA
- Scottsville Elementary School Renovation & Addition, Albemarle County, VA



EDUCATION

BS, Mechanical Engineering,
Virginia Tech, 1985

REGISTRATION AND CERTIFICATION

Professional Engineer: VA, NC,
MD, DC

LEED Accredited Professional
Certified Energy Manager

DAVID ROLLER, PE, LEED AP, CEM, GBE

Mechanical / HVAC Engineer

Dave joined the firm in 2000 and is LEED Accredited Professional and Certified Energy Manager. He currently serves as the Mechanical Department Head and Chief Financial Officer; and is a licensed Professional Engineer, specializing in Mechanical Design Engineering, Energy Management, Project Management, and Construction Administration. Dave has worked on numerous project types in his tenure at the firm. Approximately 80% of his work is typically with educational facilities, both K-12 educational facilities and higher education facilities, of all types. Most of these projects are renovation, adaptive reuse, and some are historic preservation type projects. Dave excels in cost effective high performance HVAC and control systems.

RELEVANT EXPERIENCE:

- Cave Spring Middle School – VE Study, Roanoke County, VA
- Oak Grove Elementary School Renovation & Addition, Roanoke County, VA
- Round Hill Elementary School, Roanoke, VA
- Louisa County High School (Full CTE Facilities), Louisa County, VA
- Stafford County High School (Full CTE Facilities), Stafford County, VA
- Massanutten Technical Center – Facilities Assessment and Master Plan, Rockingham County, VA
- Pleasant Valley Elementary School Renovation & Addition, Rockingham County, VA
- John Wayland Elementary School Renovation & Addition, Rockingham County, VA
- Fulks Run Elementary School Renovation & Addition, Rockingham County, VA



RAY LANHAM

Vice President

Ray oversees all day-to-day operations of DES's activities. Ray is a former educator where he taught Advanced Manufacturing at a Career and Technical High School. Since being employed at DES, Ray has interfaced with owners, architects, engineers, and contractors providing laboratory consulting, equipment planning, estimating, project management and installation. Ray is a professional woodworker with experience in design and construction of millwork, furniture, timber framing, and construction. He is also a laboratory consultant and supplier for hundreds of CTE, science, visual arts, and performing arts projects.

EDUCATION

BS, Technology Education,
Virginia Tech

RELEVANT EXPERIENCE:

- George Washington High School, Career & Tech, Danville, VA
- Culpeper Technical Education Center, Culpeper County, VA
- Hanover Center for Trades & Technology, Hanover County, VA
- Arlington Career & Tech, Arlington, VA
- Ruffner CTE Building, Roanoke, VA
- Virginia Tech CID Makerspace, Blacksburg, VA
- Shihadeh Innovation Center, Winchester, VA
- Tawes Career & Tech, Sommerset County, MD
- Thomas Jefferson High School for Science and Technology, Alexandria, VA
- Auburn High School (Science, CTE, Music, Media & Art), Montgomery County, VA
- Nelson County High School – Cosmetology Lab, Nelson County, VA
- Academies of Loudoun, Loudoun County, VA



AMY HEGARTY, FCSI, CFSP, CID, NCIDQ

Foodservice Consultant

Amy has over 25 years of foodservice experience and has been with Foodservice Consultants Studio (FCS) since 2007. She is NCIDQ certified and a Certified Interior Designer (CID) in the State of Virginia. She was a conference speaker for School Nutrition Association of Virginia and Foodservice Consultants Society International. Amy is the recipient of the 2019 Top Achiever Award from *Foodservice Equipment & Supplies Magazine*.

RELEVANT EXPERIENCE:

- George Washington High School, Main Kitchen & Culinary Arts Lab, Danville, VA
- Cave Spring High School Renovation, Roanoke County, VA
- Indian River High School (Culinary Arts Renovation), Chesapeake, VA
- CD Hylton High School Renovation, Prince William County, VA
- Martinsville High School Renovation, Martinsville, VA
- J.R. Tucker High School Culinary Arts Lab, Henrico County, VA
- Kettle Run High School Culinary Arts Lab, Fauquier County, VA
- Central High School (PPEA), Wise County, VA
- Union High School (PPEA), Wise County, VA
- Wilson Elementary School, Augusta County, VA
- Ravensworth Elementary School, Fairfax County, VA
- New Kent Elementary School, New Kent County, VA
- Madison Elementary School, Caroline County, VA
- Dumfries Elementary School, Prince William County, VA
- Cassell Elementary School, Augusta County, VA

EDUCATION

BFA, Interior Design, Virginia
Commonwealth University, 1993

REGISTRATION AND CERTIFICATION

Foodservice Consultants Society
International Professional
Certified Food Service Professional
ServSafe Food Protection Manager
Certified Interior Designer
NCIDQ



DOUG HUBER, CFA, CFSP, FCSI

Foodservice Consultant

Douglas has over 35 years of foodservice experience. He is a recognized industry leader and was a conference speaker for School Nutrition Association of Virginia and Foodservice Consultants Society International. He will work with the AE Team and Campbell County Public Schools and any other constituents to address all foodservice needs during the project.

RELEVANT EXPERIENCE:

- George Washington High School, Main Kitchen & Culinary Arts Lab, Danville, VA
- Chesterfield Technical Center, Chesterfield County, VA
- Culpeper Technical Education Center, Culpeper County, VA
- Hanover Center for Trades & Technology, Hanover County, VA
- Barlett Yancey High School Main Kitchen & Culinary Arts Lab, Yanceyville, NC
- Potomac High School Main Kitchen & Culinary Arts Lab, Prince William County, VA
- Smithfield High School Culinary Arts Lab, Isle of Wight County, VA
- Camp Allen Elementary School (PPEA), Norfolk, VA
- Southside STEM Academy at Campostella (PPEA), Norfolk, VA
- Ocean View Elementary School (PPEA), Norfolk, VA
- Richard Bowling Elementary School (PPEA), Norfolk, VA
- Crestwood Elementary School, Chesterfield County, VA
- Hardy Elementary School, Isle of Wight County, VA

EDUCATION

MBA, Rollins College, 1997
BBA, Business, James Madison
University, 1986

REGISTRATION AND CERTIFICATION

Foodservice Consultants Society
International Professional
Certified Food Service Professional
ServSafe Food Protection Manager

1.3. PROJECT EXPERIENCE

For each firm or major subcontractor that will be utilized in the project, provide a statement listing all of the firm's prior projects and clients for the past 3 years with contact information for such clients (names/addresses/telephone numbers/email addresses). 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 in its possession evaluating the firm's performance during the preceding three years in terms of cost, quality, schedule maintenance, claims, change orders, safety and other matters relevant to the successful project development, operation, and completion.

The Branch Builds – RRMM Architects – Balzer project team has substantial project experience in not only educational projects, but also high schools/Career & Technical Education and elementary schools specifically, as well as the design-build delivery method. The following section highlights that experience.



1.

Christiansburg Elementary School 3-School PPEA

Completed 2023 | 106,978 SF | \$35M

Montgomery County Public Schools

750 Imperial Street | Christiansburg, Virginia 24073

Tommy Kranz | 540.382.5100 | tommykranz@mcps.org

2.

Westmoreland High School

Completed 2022 | 148,500 SF | \$48.4M

IDA of Westmoreland County, Virginia

P.O. Box 1000 | Montross, Virginia 22520

Norm Risavi | 804.493.0130 | nrisavi@westmoreland-county.org

3.

Robert E. Aylor Middle School

Completed 2021 | 160,000 SF | \$41.1M

Frederick County Public Schools

1415 Amherst Street | Winchester, VA 22601

Dr. Al Orndoff | 540.662.3888 | orndofa@fcpsk12.net

4.

Virginia Tech Student Athletic Performance Center

Completed 2020 | 24,890 SF | \$16.5M

Virginia Tech

90 Sterrett Facilities Complex | Blacksburg, VA 24061

Todd Shelton | 540.231.4076 | sheltont@vt.edu

5.

Manassas Regional Adult Detention Center

Completed 2020 | 113,540 SF Renovations + 48,040 SF

Additions | \$45.7M

Prince William County

4361 Ridgewood Center Drive | Prince William Co., VA 22192

Karen Fitzgibbon | 703.792.6698 | kfitzgibbon@pwcgov.org

6.

Reston Fire Station #25

Completed 2020 | 17,150 SF | \$10M

Fairfax County DPWES

12000 Government Center Pkwy, Ste. 449 | Fairfax, VA 22035

Mais Almohamid | 571.585.9283 | mais.aimahamid@fairfax-county.org

7.

Pulaski County Middle School

Completed 2020 | 168,989 SF | \$37.1M

Pulaski County Public Schools

202 N Washington Avenue | Pulaski, Virginia 24301

Kevin Siers | 540.994.2550 | ksiers@pcva.us

8.

Crossroads Station (Phase I & II)

Completed 2020 | 228,842 SF | \$20.3M

Lester Development Corporation

101 E. Commonwealth Blvd. | Martinsville, VA 24115

Barry D. Fulcher | 276.656.3250 | bfulcher@lestergroup.com

9.

Loudoun County Public Safety Firing Range

Completed 2020 | 61,000 SF | \$21.3M

Loudoun County

One Harrison Street SE, 4th Floor | Leesburg, VA 20178

Tim Danforth | 703.324.5800 | timothy.danforth@fairfax-county.gov

10.

Radford University Reed & Curie Halls

Completed 2020 | 76,000 SF | \$23.5M

Radford University

501 Stockton Street | Radford, VA 24142

Mike Biscotte | 540.831.7817 | mbiscott@radford.edu



Project Experience

Past Three Years

1.

C.D. Hylton High School Renovation

Under Construction | 270,000 SF Renovation | Est. \$50.7M
Prince William County Public Schools
14715 Bristow Road | Manassas, Virginia 20112
John Mills | 703.791.8717 | milljl@pwcs.edu

2.

Hardy Elementary School

Under Construction | 107,000 SF New | Est. \$36.8M
Isle of Wight County Public Schools
820 West Main Street | Smithfield, Virginia 23430
Chris Coleman | 757.357.4514 | ccoleman@iwcs.k12.va.us

3.

Seaford Elementary School Renovation & Addition

Under Construction | 59,710 SF Renovation +
19,165 SF Addition | Est. \$19M
York County Public Schools
302 Dare Road | Yorktown, Virginia 23692
Mark Tschirhart | 757.898.0499 | mtschirhart@ycsd.york.

4.

Buffalo Gap & Riverheads Middle School Additions

Under Construction | 55,000 SF Additions to Both Schools |
Est. \$41M
Augusta County Public Schools
18 Government Lane | Verona, Virginia 24482
Dr. Eric Bond | 540.245.5110 | ewbond@augusta.k12.va.us

5.

Salem High School Renovation & Addition

Completed 2023 | 221,000 SF Addition &
58,000 SF Renovation | \$36M
Salem City Public Schools
510 South College Avenue | Salem, Virginia 24153
Dr. Curtis Hicks | 540.389.0130 | chicks@salem.k12.va.us

6.

Rustburg Middle School

Under Construction | 136,500 SF New | Est. \$36.4M
Campbell County Public Schools
684 Village Highway | Rustburg, Virginia 24588
Dr. Bobby Johnson | 434.332.3458 | bjohnson@campbell.

7.

Moseley Elementary School

Completed 2022 | 104,621 SF New Construction / \$25.7M
Chesterfield County Public Schools
9900 Krause Road | Chesterfield, Virginia 23832
Dr. Merv Daugherty | 804.748.1434 | Merv_Daugherty@ccpsnet.

8.

Culpeper Technical Education Center

Completed 2021 | 54,759 SF Bew | \$14.5M
Culpeper County Public Schools
450 Radio Lane | Culpeper, Virginia 22701
Dr. Anthony Brads | 540.825.3677 | tbrads@culpeperschools.org

9.

Robert E. Aylor Middle School

Completed 2021 | 160,000 SF | \$41.1M
Frederick County Public Schools
1415 Amherst Street | Winchester, VA 22601
Wayne Lee | 540.662.3889 | leew@fcpsk12.net

10.

Pulaski County Middle School

Completed 2020 | 164,900 SF New | \$40.7M
Pulaski County Public Schools
202 N Washington Avenue | Pulaski, Virginia 24301
Ron Nichols | 540.994.2533 | rnichols@pcva.us



Project Experience

Past Three Years

1.

Munters Botetourt County Facility

Completed 2022 | 365,000 SF | \$36M

Munters

Undisclosed

2.

E911 Virginia 811 Communication Center

Completed 2020 | 31,000 SF | \$10.7M

City of Roanoke

215 Church Avenue | Roanoke, Virginia 24011

Luke Pugh | 540.853.5208 | luke.pugh@roanokeva.gov

3.

North Cross School

Completed 2020 | 16,000 SF Add & 45,000 SF Reno | \$12.6M

North Cross School

4254 Colonial Avenue | Roanoke, Virginia 24018

Elizabeth Lemon | 540.989.6641

4.

Varsity Park Storage Facility

Completed 2020 | 92,000 SF | \$7.5M

Virginia Varsity

2087 Apperson Drive | Salem, Virginia 24153

John Lugar | 540.982.2202



Auburn Middle School



Auburn High School



Blacksburg High School



Auburn High School

OWNER

Montgomery County Public
Schools
200 Junkin Street
Christiansburg, VA 24073

CONTRACT TYPE

PPEA

PROJECT SIZE

595,000 SF

PROJECT COST

\$107.5 Million

TEAM MEMBERS



MONTGOMERY COUNTY PUBLIC SCHOOLS (PPEA) *Blacksburg HS, Auburn HS & Auburn MS*

Montgomery County, Virginia

This \$107.5 million PPEA design-build project was a complex, multi-faceted undertaking that involved the design and construction of three separate schools for Montgomery County Public Schools and included two separate design teams. The entire scope of work was procured under a single design-build contract. Blacksburg High School (BHS) is a new 3-story, 300,000 SF project that Branch coordinated with SHW. Auburn High School (AHS) is a new 175,000 SF high school project that Branch coordinated with design partners RRMM Architects. Due to extreme time constraints, both of these high school projects were constructed on fast-track schedules with partial Guaranteed Maximum Pricing (GMP) breakouts to facilitate early site grading, foundation and structural steel packages.

Both high school projects had similar building design components including brick in contrasting patterns, extensive high-performance glass, sloping metal roofs, energy modeling, dimmable lighting controlled by sensors, light shelves, sloped ceilings, a high performance "energy star" rated 4-pipe HVAC system and siting of the auditorium and gymnasium spaces partially below grade to minimize contrasting articulation. They both included all of the features typical of modern classroom and learning environments as well as new athletic facilities. Overall, both projects were constructed in less than 20 months.

The 120,000 SF Auburn Middle School (AMS), completed with RRMM, project involved the comprehensive renovation of the old Auburn High School into the new middle school. The project captures and re-uses the primary façade and 1953 addition of the former high school while adding in-fills to create a new 120,000 SF learning center; specific areas re-used include the auditorium, gymnasium and vocational buildings.



OWNER

Montgomery County Public
Schools
750 Imperial Street
Christiansburg, VA 24073

CONTRACT TYPE

PPEA

PROJECT SIZE

106,978 SF New Construction

PROJECT COST

\$35 Million

TEAM MEMBERS



CHRISTIANSBURG ELEMENTARY SCHOOLS (3-SCHOOL PPEA)

Christiansburg, Virginia

Branch was selected as the PPEA design-builder through a competitive public-private partnership procurement process on this multi-faceted project involving the improvements of three separate elementary schools for long-time repeat client, Montgomery County Public Schools. Branch worked in partnership with 5 Design, LLC to design and manage the renovations and additions to the existing Christiansburg Primary, Christiansburg Elementary & Belview Elementary Schools. Additions included new classrooms, a new gym, connector corridors, bathrooms, new canopy entrances, parking lots and student drop off areas. Renovations consisted of classrooms, administration areas (new paint, flooring, casework and storefront) and minor renovation work in existing gyms.

The project required Branch to safely and unobtrusively work within, and around, the occupied schools utilizing thoughtfully planned, phased scheduling. Christiansburg Primary work consisted of 22,800 SF of additions and 40,500 SF of renovations; Christiansburg Elementary School work consisted of 21,250 SF of additions and 4,200 SF of renovations; Belview Elementary School work consisted of 18,828 SF of additions and 2,908 SF of renovations.

The Christiansburg Primary project was similar to the Roanoke County elementary schools as it was an open concept school that was transitioned to a modern classroom concept.



OWNER

Frederick County Public
Schools
1415 Amherst Street
Winchester, VA 22601

CONTRACT TYPE

CM@Risk

PROJECT SIZE

317,865 SF

PROJECT COST

\$74 Million

TEAM MEMBERS



FCPS SCHOOL RENOVATION CAPITAL PROJECT *James Wood HS & Indian Hollow ES* Winchester, Virginia

Frederick County Public Schools selected Branch Builds, for the second project in a row, as the Construction Manager at Risk to provide preconstruction and construction services for the multi-faceted renovations and additions to James Wood High School and Indian Hollow Elementary School. Branch is working in partnership with RRMM Architects to design and safely manage the renovations of both schools while they continue to be occupied during the duration of the work, requiring close coordination with FCPS staff and consideration of its academic calendar.

James Wood High includes the reworking of the site layout to provide improvements to the vehicular traffic patterns through the site, designated parking areas for visitors, buses, faculty/student parking areas, separate loading dock area, a pick-up/drop-off lane, and stacking areas for cars. The new 39,000 SF addition will include a new administration area, guidance and clinic suite, multi-media center, central main entrance, cafeteria, dining area, and kitchen. The 220,000 SF interior renovation will consist of areas of heavy renovation that involve the redesign of existing classroom spaces on both levels. This work will involve significant wall demolition/reconstruction, replacement of all ceilings, floor finishes, doors, frames, HVAC equipment, ductwork, piping, plumbing fixtures, and new LED lighting.

Indian Hollow Elementary renovation includes site improvements, removal and replacement of the exterior CMU masonry veneer and rigid cavity wall insulation, removal and replacement of all exterior windows/doors, installation of new roofing, skylights, and access control system at exterior doors. Additional phased renovation work will take place on the interior of the existing school. All ceilings/lights will be removed and replaced throughout the building, the entire interior of the building will be painted, new hardware, renovated restrooms, and removal and replacement of the existing mechanical system.



OWNER

AECOM
900 E. Broad Street, Suite 602
Richmond, VA 23219

CONTRACT TYPE

CM@Risk

PROJECT SIZE

100,000 SF

PROJECT COST

\$34.6 Million

TEAM MEMBERS



HENRY L. MARSH III ELEMENTARY SCHOOL

Richmond, Virginia

Henry L. Marsh III Elementary School is a replacement school that incorporates 21st century technology and increased safety measures. The new building was constructed on an adjacent site. The design for this elementary school includes three, two-story classroom wings with six individual classrooms for grades K-5. Classrooms also include a dedicated project-based learning area. A large "learning stair" collaborative area is located outside of the Media Center and is available for all classes to utilize.

Branch was selected as the Construction Manager at Risk by the City of Richmond to manage the preconstruction and construction of a new 100,000 SF elementary school to include classrooms, offices, administrative spaces, a commercial cafeteria and dining commons, along with a gymnasium, media center, and library.

The building consists of a multi-story steel structure with a brick masonry exterior accented by metal wall panels and aluminum storefront glass. Construction commenced in the Spring of 2019 at the conclusion of Branch's preconstruction services. Construction work is planned to be released in a phased approach with Phase I involving the commencement of site development work to begin prior the final building design being completed. Phase II involved the primary construction of the new school. Phase III consisted of the demolition of the existing George Mason Elementary School, and Phase IV consisted of demolition work, completion of the remaining ancillary site facilities, recreation fields/spaces and additional parking. This project is on track to be LEED Certified.





OWNER

King George County Schools
9100 St. Anthony's Road
King George, VA 22485

CONTRACT TYPE

Design-Bid-Build

PROJECT SIZE

113,540 SF Renovation
48,040 SF Addition

PROJECT COST

\$18 Million

TEAM MEMBERS



KING GEORGE MIDDLE SCHOOL RENOVATION & ADDITION

King George County, Virginia

This \$18.7 million project included multiple additions, a major renovation to part of the existing facility and minor renovations to the remainder of the school. The original 113,540 SF building received a new sprinkler system, HVAC and ADA upgrades, toilet renovations, as well as interior finish upgrades.

In addition to the minor interior renovations, the design also included a new 48,000 SF addition, featuring a new auxiliary gym, improved drop-off and bus separation, an enhanced entrance, administration and guidance offices, a clinic, and a new kitchen and dining area. The design of the addition provides for future expansion to the west allowing King George County Schools long-term flexibility and planning to convert this school into a K-8 facility if needed.



“[Branch] did a phenomenal job of integrating into our staff while working on the project and did their very best to consider student and staff needs during all phases of the project. The communication with them both was always easy and extremely helpful.”

**– Jennifer Collins, Principal
King George Middle School**



OWNER

Pulaski County Public Schools
202 North Washington Avenue
Pulaski, VA 24301

CONTRACT TYPE

Design-Bid-Build

PROJECT SIZE

168,989 SF New Construction

PROJECT COST

\$37.1 Million

TEAM MEMBERS



PULASKI COUNTY MIDDLE SCHOOL

Pulaski County, Virginia

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.

Branch was the successful low-bidder on the \$37.1 million Pulaski County Middle School project for Pulaski County Public Schools. The new 168,989 SF, modern 21st century educational facility is sized to accommodate 1,180 students. It has three classroom wings that separately extend out from the main section of the school. The main body of the school houses the auditorium, gym, auxiliary gym, locker rooms, administrative offices, media center, cafe/kitchen and vocational classrooms. Located on a scenic 59-acre site, the structure is a mix of masonry and steel load bearing construction while the exterior is a mixture of brick veneer and metal cladding. The school has plenty of daylighting with large windows and light monitors.



Branch utilized a fast-track construction schedule that was heavily reliant on our Team Centered Planning and Lean Construction program to provide the most efficient construction means and methods possible, as part of Branch's value-added service. The new Pulaski County Middle School allows Pulaski County to consolidate two very old middle schools into this one new facility. The project continues Branch's long history of building K-12 schools in Virginia's New River Valley region.



OWNER

Frederick County School Board
1415 Amherst Street
Winchester, VA 22601

CONTRACT TYPE

CM@Risk

PROJECT SIZE

160,000 SF New Construction

PROJECT COST

\$41.1 Million

TEAM MEMBERS



ROBERT E. AYLOR MIDDLE SCHOOL

Frederick County, Virginia

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 was built on a new 51-acre site. 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.

This \$41.1 million CM@Risk project involved Branch's comprehensive preconstruction services and the construction of a replacement Robert E. Aylor Middle School (REAMS) in Stephens City, Virginia. Branch worked closely with FCPS and RRMM architects to develop a design and plan that fit within FCPS' budget. After nine months of preconstruction planning, construction commenced. When completed, this fast-track project was delivered an academic year earlier than would have been possible via traditional design-bid-build.

In concert with FCPS education plans of collaborative learning environments, the REAMS project incorporated shared learning areas into the design to allow for maximum flexibility for the staff and students. The project was all inclusive of construction and furnishing of the interior of the building as well as construction of outdoor spaces for sports and playgrounds, collaborative learning spaces, segregated bus and vehicular parking. Branch's success managing this collaborative partnering CM@Risk project is highlighted by the fact FCPS selected Branch for their next alternative delivery project, the James Wood High School & Indian Hollow Elementary School multi-school project.





OWNER

Danville Public Schools
341 Main Street, Suite 100
Danville, VA 24541

DANVILLE G.L.H. JOHNSON ELEMENTARY SCHOOL (PPEA)

Danville, Virginia

CONTRACT TYPE

PPEA

PROJECT SIZE

73,000 SF New Construction

PROJECT COST

\$39.5 Million

TEAM MEMBERS



Branch was selected in partnership with Dewberry on this highly competitive public-private partnership (PPEA) design-build collaboration. Our team is providing turn-key PPEA design-build services to design and construct this much needed new Elementary School for Danville Public Schools (DPS). The new G.L.H. Johnson Elementary School will be constructed adjacent to DPS' existing Elementary School as a replacement to accommodate a baseline 650-student population.

Ongoing operations at the existing campus will be uninterrupted via our phased work plan, which creates a new staff parking area allowing the existing parking to be converted into a safe temporary student drop-off route. This in turn, allows construction to begin on the new school with its planned future drop-off circulation.



The new building's 2-story classroom wing follows the contour of the sloping site and provides entry and exit along the upper side with access to outdoor play areas from the lower side. A new cafeteria incorporating an elevated stage and adjacent music room provides views overlooking the media center. The durable masonry-bearing structure uses brick veneer, colorful metal panels, and extensive windows on its exterior, allowing natural light into the interior spaces. The Branch design-build team explored a number of design iterations to respond to the restrictive site, steep grades and challenges of poor bearing soils, subterranean water and limited access as part of our professional PPEA preconstruction services.



OWNER

Lancaster County Public
Schools
2330 Irvington Road
Weems, VA 22576

CONTRACT TYPE

PPEA

PROJECT SIZE

36,700 SF New Construction

PROJECT COST

\$72 Million

TEAM MEMBERS



LANCASTER COUNTY COMBINED MIDDLE/ HIGH SCHOOL (PPEA)

Kilmarnock, Virginia

Branch was selected to manage the PPEA design-build process for this new Combined Middle School-High School project, another PPEA K-12 education project for Branch. Our architectural partner on this dynamic \$72 million project is VMDO of Charlottesville, Virginia. The new Combined Middle School-High School is a 136,000sf school that sites on approximately 26 acres and includes grades 7-12.

There is an enhanced auditorium that can seat a full-size orchestra yet it is designed to be an open learning classroom setting with the ability to transform classroom sizes to hold small, medium or large classes. There is a main gymnasium and an auxiliary gym, as well as full-sized team locker rooms and a large fitness room. Athletics will include a collegiate-style synthetic turf field with an 8-lane track. The new Lancaster County Combined Middle School-High School is being designed as a net zero building to ensure low environmental impact and will include modern safety and security features.



OWNER

Greene County Public Schools
40 Celt Road
Stanardsville, VA 22973

GREENE COUNTY HIGH SCHOOL & MIDDLE SCHOOL

Stanardsville, Virginia

CONTRACT TYPE

CM@Risk

PROJECT SIZE

62,000 SF New Construction

PROJECT COST

\$22.8 Million

TEAM MEMBERS



Branch Builds, Inc. was selected to serve as the Construction Manager at Risk on this dynamic and challenging campus improvement project for Greene County Public Schools in Stanardsville, Virginia. Located on a single campus, Greene County Public Schools had a primary school, middle school, and high school with insufficient facilities and parking. The project consisted of an occupied – phased renovation and addition to the high school which required Branch to develop a phasing plan in 30 days that allowed for demolition of the middle portion of the high school – to rebuild the library, add a new entrance, add a new commercial kitchen and cafeteria, and add a media center. To accommodate the school, Branch constructed a temporary enclosed walkway between the two sections of the school around the construction area to allow students to access the cafeteria during construction. In addition to the enclosed temporary walkway, Branch provided temporary bathrooms attached to the temporary walkway. Upon completion of the phase 1 segment of construction, Greene County occupied the newly constructed space; Branch demolished the temporary facilities and existing kitchen/cafeteria and constructed new student space.

While construction progressed at the High School, a separate and concurrent construction project at the adjacent Middle School consisted of demolishing the school library in the middle of the school facility and constructing a new entrance and library space as phase 1. Upon completion of phase 1 at the Middle School in April 2019, students and staff occupied this space and Branch took over the existing kitchen and cafeteria to begin a complete remodel of this space between June 2019 and August 2019. Following school closing in June 2019, Branch performed a complete remodel of classroom areas in administrative offices and the old office area into classroom space.



OWNER

Dickenson County School
Board
309 Volunteer Avenue
Clintwood, VA 24228

CONTRACT TYPE

Design-Bid-Build

PROJECT SIZE

285,000 SF New Construction

PROJECT COST

\$59.2 Million

TEAM MEMBERS



RIDGEVIEW HIGH, MIDDLE & CTE

Clintwood, Virginia

As the successful low bidder, Branch Builds, Inc. managed the construction of a primary structure that contains the high school and middle school auditorium, and various athletic and arts program spaces, plus a free standing structure that houses the career education programs. In addition to the new modern academic space, the new facility includes two indoor gymnasiums, locker rooms, coaches' offices, multi-purpose rooms, weight rooms, health classrooms, and spectator seating in the high school competition gym. The site was developed to include a baseball field, softball field, competition football/soccer field with surrounding track and a 3,500-seat stadium, 6 tennis courts and athletic practice fields.

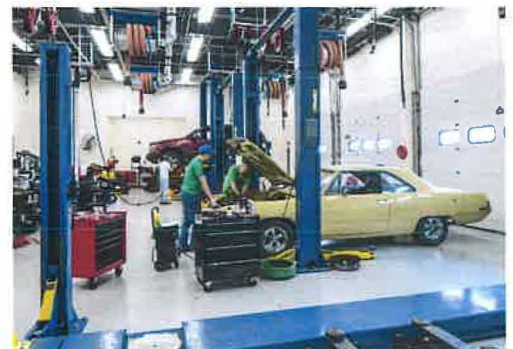
Located atop the remote Rose Ridge Mountain crest, this extremely challenging, mountainous site required an enormous total of 787,000 cubic yards of earthwork. The new

state-of-the-art Ridgeview school consolidates the former Clintwood, Ervinton, and Haysi High Schools and creates a new middle school for the County.

Selected by Virginia Living Magazine as one of Virginia's top schools in the Capital Improvements category (2015).

Selected by Virginia Living Magazine as one of Virginia's top schools in the Science, Math, Technology category for their cybersecurity program (2017).

Received an Outstanding Project Award for excellence in educational facility design in the spring of 2017 by LEARNING DESIGN.





OWNER

Industrial Development
Authority of Westmoreland
County, Virginia
P.O. Box 1000
Montross, VA 22520

CONTRACT TYPE

Design-Bid-Build

PROJECT SIZE

141,090 SF New Construction

PROJECT COST

\$48.8 Million

TEAM MEMBERS



WESTMORELAND HIGH SCHOOL

Montross, Virginia

Branch Builds was the successful low-bidder on the \$48.8 million Westmoreland High School project for Westmoreland County Public Schools. The highly anticipated new school sits on approximately 36 acres along State Route 3 in the center of Montross, within sight of the old high school. The building consists of both steel frame and bearing wall construction with primarily brick veneer on both masonry and metal stud backup. Metal panel exterior finishes were also included. The classrooms, library, and administrative areas comprise a 2-story portion of the building, organized around a central student dining common area featuring abundant daylight and views. Interior construction is both masonry and gypsum board on metal studs. Roofing is predominately a low slope, EPDM system on coverboard, rigid insulation on metal decking. The performing arts theater and athletic facilities serve both students and the entire local community.



OWNER

Nash-Rocky Mount Public
Schools
930 Eastern Avenue
Nashville, NC 27856

CONTRACT TYPE

Design-Bid-Build

PROJECT SIZE

248,000 SF New Construction

PROJECT COST

\$35.5 Million

TEAM MEMBERS



ROCKY MOUNT HIGH SCHOOL

Rocky Mount, North Carolina

The Rocky Mount High School project consisted of a new, 2-story 248,000 SF high school. The structure consists of load bearing masonry walls with the face being brick exterior walls, including accent brick banding and entry walls covered by a single-ply Energy Star membrane roof. Interior finishes included acoustical tile ceilings, terrazzo, wood floor in the gymnasium, and aluminum entrances with high-performance glass. The project included a fully developed sports facility that highlights a field house, three new concession stands, a new football stadium and track, soccer field, baseball and softball fields and auxiliary practice field. The HVAC system is geothermal and the electrical systems are state-of-the-art with fully automatic lighting controls.

This project was the first LEED Gold Certified High School in the State of North Carolina.





OWNER

Franklin County School
53 West River Road
Louisburg, NC 27549

CONTRACT TYPE

Design-Bid-Build

PROJECT SIZE

215,000 SF New Construction

PROJECT COST

\$25.4 Million

TEAM MEMBERS



FRANKLINTON HIGH SCHOOL

Franklinton, Virginia

The new Franklinton High School constructed just south of Franklinton, in the heart of a rapidly expanding area, is a new school complex situated on 78 acres of undeveloped rolling timberland, typical of the region. The school was designed for an initial population of 1,200 students; however, the campus is planned for growth and includes infrastructure to accommodate future needs. The school is well balanced with traditional academic spaces along with a healthy complement of vocational training areas, including labs for agriculture, masonry and computer technology, as well as a state-of-the art culinary facility. The building also features dining facilities, a 500-seat auditorium, and a 1,500-seat gymnasium. The building offers the flexibility to have a segregated 9th-grade academy.

Site amenities include a lighted 2,500-seat stadium with an 8-lane track, as well as lighted facilities for baseball, softball, and tennis. Two practice fields, soccer and football fields are also included. Paved parking is provided for approximately 400 students, 150 staff/visitors, and 20 buses.

Franklinton High School serves the southwestern area of Franklin County. The new high school replaced an over-crowded and outdated existing school that was located in downtown Franklinton.





OWNER

Lynchburg City Schools
Tenth and Court Street
Lynchburg, VA 24509

CONTRACT TYPE

Design-Bid-Build

PROJECT SIZE

360,000 SF New Construction

PROJECT COST

\$24.7 Million

TEAM MEMBERS



EC GLASS HIGH SCHOOL RENOVATION & ADDITION

Lynchburg, Virginia

Opened in 1953, E.C. Glass High School had never undergone a major renovation. The 300,000sf high school, designed by Dewberry, was completely renovated including all new mechanical and electrical plumbing, asbestos abatement, windows and finishes. It encompassed all classrooms, labs, and the school kitchen. Additions to the school also included new science classrooms and labs as well as a new 60,000 SF gymnasium with locker rooms.

Branch worked collaboratively with Lynchburg City Schools throughout to skillfully manage this complex work safely and with minimal disruption to the occupied school and all on-going school and community activities associated with E.C. Glass High School.





OWNER

Frederick County Public
Schools
1415 Amherst Street
Winchester, VA 22604

CONTRACT TYPE

Design-Bid-Build

PROJECT SIZE

190,000 SF New Construction

PROJECT COST

\$42.3 Million

LEARNING BY DESIGN
magazine recognized the
Frederick County Middle School
project as one of three Grand
Prize Award winners in its 2017
Architectural Award Showcase.

TEAM MEMBERS



FREDERICK COUNTY MIDDLE SCHOOL

Winchester, Virginia

Frederick County's newest Middle School was designed from the students' perspective, to foster their academic, physical and social development. The three-level building has a masonry façade and lots of windows to provide daylighting, which is conducive to enhanced learning. Upon entering the building, students, staff and visitors will proceed through the focal point known as the Discovery Zone which includes a media center, an amphitheater stair which can be used for group gatherings, informal seating or performances and end at the dining commons and cafeteria. The zone overlooks circulating corridors and is overlooked by a corridor known as the Learning Grid which provides access to classrooms. The school is divided into three learning houses, one per grade, each of which includes three highly adaptable learning communities, with classrooms and open areas to meet the most current educational delivery needs. Each learning house is separated on the exterior by a learning garden which provides space for use as an outdoor classroom.

The building also includes spaces for fine and performing arts, career and technical education and a gymnasium with an area above that includes a fitness track and fitness rooms. The building was constructed on a 38-acre greenfield site, adjacent to an existing elementary school, requiring extensive clearing and grading to create the building pad, athletic fields and associated parking.



OWNER

Roanoke City Public Schools
40 Douglass Ave, NW
Roanoke, VA 24012

SCOPE OF WORK

59,500 lbs. of Sheet Metal
Built in 3 Phases

TEAM MEMBERS



FALLON PARK ELEMENTARY SCHOOL

Roanoke, Virginia

The new \$21 million elementary school was built in three phases, one of which included the demolition of most of the old school to allow for the new construction to address Roanoke City Public Schools' modern education needs. The old structure retained only the gym and the cafeteria, although the latter was converted into an art room. The new addition included a STEM lab, a new library, a renovated gym, and a fine arts wing for art and music. Another key feature was the inclusion of natural light in every classroom, a critical feature missing from the old architecture.





TEAM MEMBERS



BLACKSBURG HIGH SCHOOL SITE PACKAGE

Blacksburg, Virginia

Branch Civil worked in collaboration with Branch Builds to manage the Blacksburg High School Site Development project, which was part of our firm's \$107.5 million PPEA design-build project for long-time repeat client, Montgomery County Public Schools. This large scale, high-profile \$6.6 million site development project required extensive preconstruction planning and coordination, and due to the required accelerated schedule, included an early grading package that commenced prior to completion of the design. Branch Civil professionals worked in concert with Branch Builds to fast-track the site work around the initial foundation installation.

This project required scheduling expertise to keep this large project on track despite encountering large quantities of rock and the deep utility installation this project required. One of the unique features of this site project involved the construction of a retaining wall under the center of the building, necessary given the importance of retaining the integrity of the existing knoll that is highly valued by the Blacksburg community. This Public Private Partnership Enterprise (PPEA) project was one of three packaged design-build schools awarded to Branch through a highly competitive PPEA selection process conducted by the Montgomery County School Board.



This scenic new site provided a home for the new 300,000 SF, three-story high school and optimized the sloping topography of the site allowing for the large school to remain relatively compact while creating a strong connection between CTE, sporting, performance, and academic areas.



TEAM MEMBERS



PULASKI MIDDLE SCHOOL SITE PACKAGE

Pulaski, Virginia

The Pulaski Middle School Early Site Package was yet another collaborative site project, managed in partnership by Branch Civil and Branch Builds. This \$3.5 million early site package assignment was a highly visible community project, involving the site development for a new 168,989sf middle school, awarded to Branch as well. Our civil professionals provided scheduling and coordination expertise to deliver this project given the numerous spells of inclement weather and the 83,000 cubic yards of rock encountered on-site.



The Branch team successfully completed the building pad (for our vertical professionals to expedite foundation work) as well as all outdoor athletic fields and components, including the installation of field accessories such as goalposts. The Branch team unexpectedly encountered natural springs and expertly diverted and resolved the situation allowing for the project to stay on schedule. The work also involved bringing utilities to the site, including a substantial one-mile water line extension. This successful project set the table for the new 1,180-student middle school, subsequently constructed by Branch on this beautiful and scenic rural county site.



TEAM MEMBERS



LIBERTY UNIVERSITY SITE PACKAGE

Lynchburg, Virginia

Branch Civil is proud of its ongoing relationship with Liberty University. Since 2012, Branch Civil has worked tirelessly on a multitude of projects for the Lynchburg, VA campus, helping university and city leaders realize their vision to provide students with an outstanding learning and living experience. The cornerstone of this \$500 million campus reconstruction project is the Jerry Falwell Library, which offers more than 170,000 SF of space and features a state-of-the-art robotic book retrieval system.

As part of the University's vision to provide excellence in recreational opportunities for students, Branch Civil was the Design-Build Contractor for Liberty University's new NCAA Division I Women's Fast Pitch Softball Stadium. Liberty University is the fastest growing institution of higher education in Virginia, and it contributes more than \$350 million to the Lynchburg economy. It is considered among the finest collegiate softball stadiums in the nation. Elsewhere across the growing campus, Branch Civil provided:

- Mass earth moving and early grading for the university's new Science Hall.
- Support work for the School of Music.
- A new baseball field.
- Improvements to the University Quad residence halls.
- Realignment of Regents Parkway, the main perimeter road around campus.





TEAM MEMBERS



WAKE TECHNICAL COMMUNITY COLLEGE SITE PACKAGE

Morrisville, Virginia

Branch Civil performed site development services for the first building to be erected on the site of the new Wake Tech Community College RTP Campus in Morrisville, NC. This first building, the flagship of the new RTP campus, is nearly 110,000 SF and included a cantilevered marquee announcing "WTCC." Infrastructure included extensive site work on the 25-acre site, parking, permanent storm water management structures, and a widening/improvements of NC 54 and Watkins Road (with traffic signals).

The building serves as the regional plant to provide hot and chilled water for future buildings on campus—with two cooling towers, chillers, and boilers with the capacity to add to the system in the future. The building also includes underground runs of piping as well as a communications duct bank that will be extended past the building's footprint, terminated, and capped for future campus development. Branch Civil provided site work, including clearing and grubbing of more than 25 acres of timber, blasting of 25,000 cubic yards of rock, and 50,000 cubic yards of excavation to construct a building pad for a classroom/administration building and three parking lots.





OWNER

Dr. Anthony Brads
Superintendent
Culpeper County Public
Schools
P: 540.825.3677
E: tbrads@culpeperschools.org

PROJECT STATUS

Completed 2021

PROJECT SIZE

54,795 SF New Construction

PROJECT COST

\$14.5 Million

TEAM MEMBERS



CULPEPER TECHNICAL EDUCATION CENTER

Culpeper County, Virginia

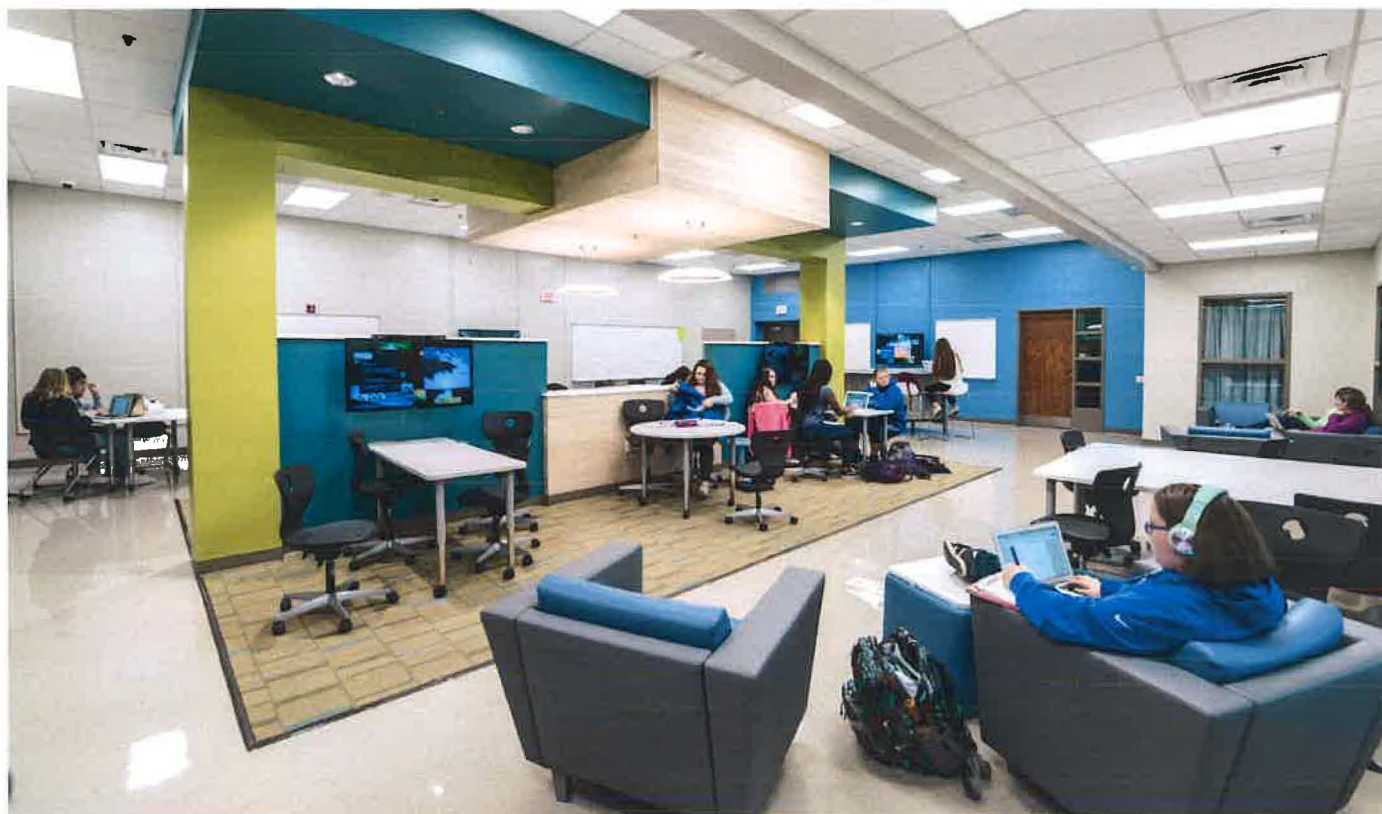
Culpeper Technical Education Center (CTEC) is a 54,795 SF, one-story facility that will be home to over 14 career path programs. The facility is a team effort of Culpeper County and Culpeper County Public Schools to further develop the region's professional workforce and to meet the needs of students hungry for hands-on skills and immediately useful certifications. Located adjacent to Germanna Community College's Culpeper campus, CTEC includes dual-enrollment programs with GCC, in which high school students (grades 9-12) earn credits towards post-secondary degrees.

The design of this project included a CTE Advisory Committee made up of local business leaders interested in having a skilled workforce to serve local economy. The committee includes representatives from Industrial maintenance, medical consultants, cybersecurity, engine mechanics, construction, and culinary arts.



With a very tight budget, our client still desired this facility to be as close to net-zero energy as possible. RRMM's design process used building orientation, daylighting, envelope and systems optimization to aggressively cut projected energy consumption to less than half of a current similar facility. The RRMM design team geared the energy systems towards electricity as much as possible to allow on-site renewable energy to fulfill the building's energy needs and in an effort to move facilities towards carbon neutral energy.

Energy modeling indicated the project will use 745,000 kWh/yr. The RRMM team then used building form and roof materials to set up the roof to accommodate a 562-kW solar panel system to produce 750,000 kWh/yr, yielding a net-zero electricity building.



OWNER

Mr. Christopher Coleman
Assistant Superintendent
Isle of Wight County Public
Schools
P: 757.357.4514
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PROJECT STATUS

Completed 2018

PROJECT SIZE

25,423 SF Renovation
21,598 SF Addition
(This SF is combined with
Smithfield High School)

PROJECT COST

\$8.6 Million
(This cost is combined with
Smithfield High School)

TEAM MEMBERS



WINDSOR HIGH SCHOOL CTE RENOVATION & ADDITION

Isle of Wight County, Virginia

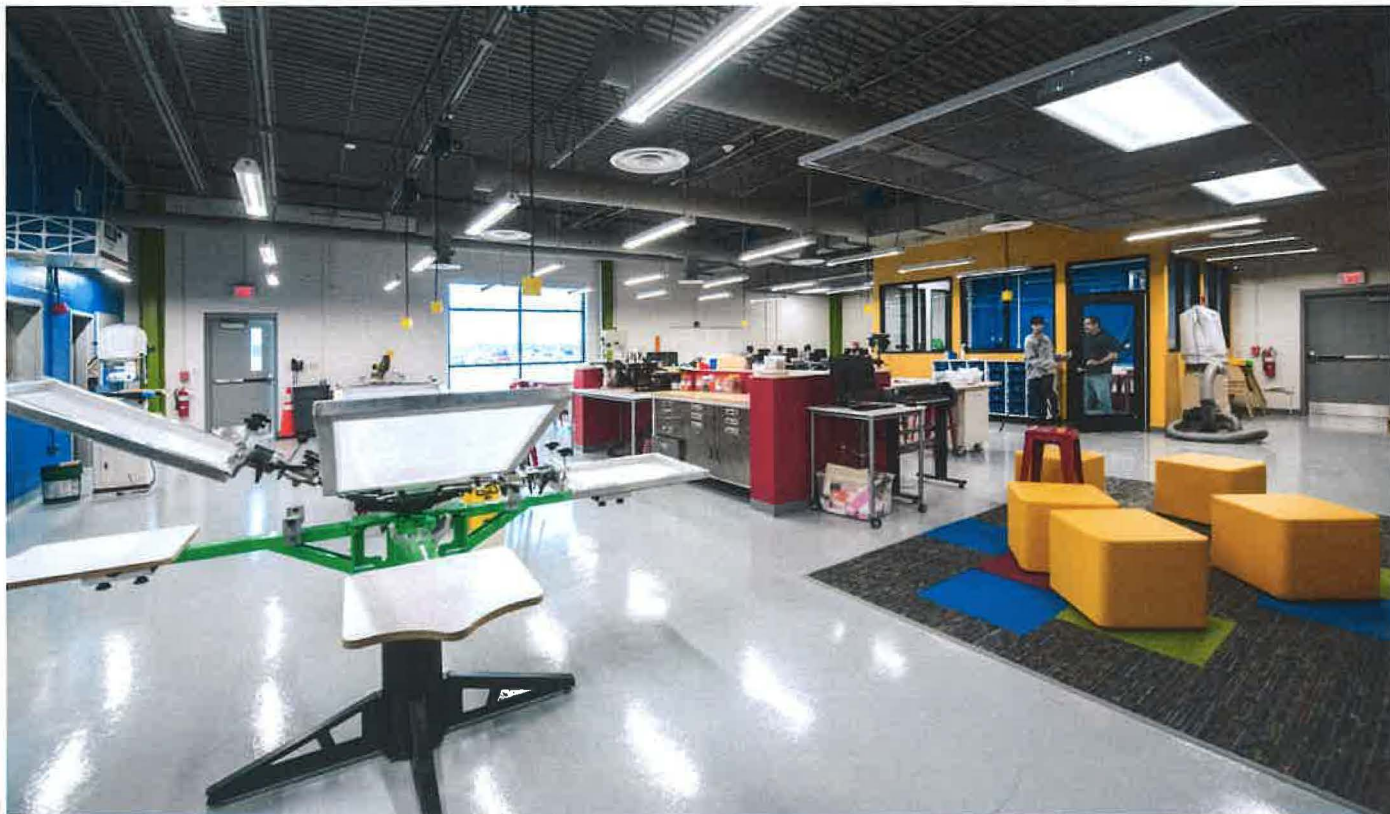
RRMM assisted Isle of Wight (IoW) County Schools with Master Plan studies for Smithfield and Windsor High Schools under their term contract. The result of these studies aided the IoW School Board in securing funding for various improvements at both schools. Once the master plan was approved, RRMM was contracted to design the planned improvements.

With a focus on Career and Technical Education, interior renovations and several new structures were designed to enhance the educational curriculum and the school leadership's "vision" for IoW students as they prepare for their future. These improvements were planned for completion over three independent phases since portions of the new facilities needed to be completed in order to free up space for the other renovations to take place.



For Windsor High School, exterior renovation areas included significant upgrades to the outdoor student dining area, renovating the outdoor art courtyard, resurfacing track and field areas, as well as adding additional student parking. New structures include a construction lab, a greenhouse, and an outdoor science lab classroom.

One of the most significant additions was the addition of a farm, located on previously unused school system property a few miles down the road. The WHS Farm includes classroom space adjacent to an actual barn where students are gaining real hands-on experience with livestock and small farm animals.



OWNER

Mr. Christopher Coleman
Assistant Superintendent
Isle of Wight County Public
Schools

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PROJECT STATUS

Completed 2018

PROJECT SIZE

25,423 SF Renovation

21,598 SF Addition

(This SF is combined with
Windsor High School)

PROJECT COST

\$8.6 Million

(This cost is combined with
Windsor High School)

TEAM MEMBERS



SMITHFIELD HIGH SCHOOL CTE RENOVATION & ADDITION

Isle of Wight County, Virginia

RRMM assisted Isle of Wight (IoW) County Schools with Master Plan studies for Smithfield and Windsor High Schools under their term contract. The result of these studies aided the IoW School Board in securing funding for various improvements at both schools. Once the master plan was approved, RRMM was contracted to design the planned improvements.

With a focus on Career and Technical Education, interior renovations and several new structures were designed to enhance the educational curriculum and the school leadership's "vision" for IoW students as they prepare for their future. These improvements were planned for completion over three independent phases since portions of the new facilities needed to be completed in order to free up space for the other renovations to take place.

For Smithfield High School, the existing vocational building was converted into an updated Career & Technical Education (CTE) Facility, which included a "Makerspace", welding lab, health sciences (nursing) lab, and mechatronics lab.

Interior renovations of the existing high school included renovating the media center, converting existing classrooms and open spaces into a fitness center, and project collaboration space. New structures include a JROTC fieldhouse and an athletic fieldhouse. Also included was the addition of a part-time functional restaurant, Turner & 10, that serves the public. The restaurant features a commercial kitchen where students can learn real-world culinary skills.





OWNER

Mr. Ed Buzzelli
Facilities Director
Hanover County Public Schools
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PROJECT STATUS

Completed 2008

PROJECT SIZE

46,000 SF New Construction

PROJECT COST

\$8.75 Million

TEAM MEMBERS



HANOVER CENTER FOR TRADES & TECHNOLOGY

Hanover County, Virginia

Hanover Center for Trades and Technology is a multi-discipline facility. It draws its students from throughout the county, offering specialized training in seven programs, augmenting core curriculum studies. The school offers concentrated programs in Culinary Arts, Cosmetology, Building Trades and Maintenance, Industrial Maintenance, Small Engines and Automotive Services. The 46,000 square foot building accommodates 250 core students, and provides for community usage of the facility for evening classes and continuing education training.

The Center is located on land adjacent to other Hanover County academic buildings, creating a campus-like feel. Bus loop access is shared with the adjacent Georgetown School, limiting the need for separate vehicular circulation while preserving "Green Space." The main entry is between the Administration offices and the Commons Area. The Commons serves as the building's main assembly and cafeteria space. Controlled access to the classroom and lab wing allow the students to approach these spaces via a pedestrian walkway, directly from the transportation drop-off area.





OWNER

Roanoke County Public Schools
5937 Cove Road NW
Roanoke, VA 24019

PROJECT TYPE

Design-Bid-Build

PROJECT SIZE

149,279 SF Renovation
33,890 SF Addition

PROJECT COST

\$11.4 Million

TEAM MEMBERS



WILLIAM BYRD HIGH SCHOOL RENOVATION & ADDITION

Roanoke County, VA

RRMM Architects was selected by Roanoke County Public Schools for renovation and addition to the existing William Byrd High School. Renovations and additions addressed deficiencies in instructional spaces, administrative areas, and in common use functions such as the cafeteria and athletic areas; they also introduced sustainable design elements into the building. The new construction eliminated ten classrooms that were currently located in temporary mobile classrooms and moved high school athletic functions from the middle school and placed them back into the high school. A key ingredient to re-capturing classroom space was the conversion of an undersized auxiliary gym to classroom space on both the first and second floors.

The new lobby welcomes students into a day lit corridor and shortens access to the building from the main parking area. The administration and reception spaces were relocated to address the primary point of entry from the parking area. Visitors are now highly visible from administrative spaces. By relocating the previous administration suite into the new administration wing addition, key issues were resolved: 1) a clear point of entry was established allowing increased visibility, security, and control, and 2) the quality and functionality of the administration offices and support spaces were greatly improved. The previous administration suite was then converted to much-needed classroom spaces. The new location of the gymnasium improved the connectivity to the playing fields, track area, and stadium. It also allowed after hours access to the community without having to enter the school building. The gymnasium is day-lit with light monitors which reduce energy demands and provide carefully controlled, quality light.





OWNER

Roanoke County Public Schools
5937 Cove Road NW
Roanoke, VA 24019

CAVE SPRING ELEMENTARY SCHOOL RENOVATION & ADDITION

Roanoke County, VA

PROJECT TYPE

Design-Bid-Build

PROJECT SIZE

50,125 SF Renovation
15,586 SF Addition

PROJECT COST

\$7.4 Million

TEAM MEMBERS



RRMM Architects designed this school as part of a major capital improvement plan for five schools in Roanoke County. RRMM first performed a careful assessment of the existing conditions of all site and building systems as well as an evaluation of how the facilities were being utilized. With an eye toward the future, and working closely with the school staff, an educational program was developed to serve as the basis for the design. This project provided opportunity for new thinking about how to best use a facility as opposed to merely following long established patterns of use that may not be efficient. The design also had to consider the impact of ongoing school operations.

New construction provides a new administration area, kitchen and dining, and several new classrooms. These program areas were especially deficient in the original plan, and the decision to provide new construction was strategic in reducing the impact to ongoing school operations as well as providing a well-defined, safe, and pleasing new entrance to the school. The new construction also improves the fire safety and security of the school with selective upgrades to walls, doors, fire alarm systems, security systems, and the availability of water for fire-fighting purposes. Site improvements create safer conditions for the traffic flow and parking of buses and cars. The heating, cooling and ventilating systems were upgraded with a highly efficient geothermal system so that the entire facility has indoor environmental conditions that are suitable for learning.





OWNER

Albemarle County Public Schools
401 McIntire Road
Charlottesville, VA 22902

PROJECT TYPE

Design-Bid-Build

PROJECT SIZE

1,485 SF Addition

PROJECT COST

\$2.3 Million

TEAM MEMBERS



RED HILL ELEMENTARY SCHOOL SECURITY ADDITION & CLASSROOM MODERNIZATION

Albemarle County, Virginia

The existing elementary school was a 29,000 SF single-story building that was the result of two construction projects that replaced the original Red Hill School (which dated back to the early 1900s). The last addition was built in 1980, and the school system wanted to re-configure the educational spaces in the school to facilitate contemporary learning and multi-age instruction. They also wanted to implement their design imperatives of sustainability, flexibility, transparency, interactivity, and problem/project based learning.

This comprehensive renovation/addition project included multiple components including a new 1,485 SF security addition, which relocated and expanded the existing administration office and clinic, while providing a secure entrance to screen visitors. It also created a new front appearance for the school.

The classroom modernization reconfigured eight existing classrooms into three classroom pods to utilize multi-age instruction. The media center was relocated and expanded, resulting in an open and flexible space that incorporates the latest educational technology. A new art/maker space adjacent to the media center provides multiple opportunities for collaboration and project-based learning initiatives for the students.

New HVAC systems were provided throughout the majority of the building, including the provision of a new fresh air system that meets current building code requirements. A new wheelchair lift provides access to the existing stage/music classroom, and a new handicap accessible toilet provides needed restroom facilities adjacent to the Pre-K Classroom. This project was completed with a RRMM-developed phasing plan to allow for occupied construction.



OWNER

York County School Division
302 Dare Road
Yorktown, VA 23692

CONTRACT TYPE

Design-Bid-Build

PROJECT SIZE

34,120 SF Renovation
25,164 SF Addition

PROJECT COST

\$6.4 Million

TEAM MEMBERS



WALLER MILL ELEMENTARY SCHOOL RENOVATION/ADDITION

York County, Virginia

Waller Mill Elementary School was originally designed in 1968, and with only minor upgrades over the years, was in need of a complete renovation.

The original scope included the addition of 10 classrooms, a new gym, additional parking and associated site upgrades. RRMM's solution was to provide the requested additions, but also improve the look of the existing building by including a new entrance addition.

This new entrance feature improved several deficiencies, including an undersized administration area, a small library, but most importantly it improved security at the main entrance. With the new classrooms, the layout improved grade groupings, whereas the original building made it difficult to allow adequate grade separation. The renovation included a new HVAC system, group toilet upgrades, new interior finishes and upgrades to the existing building façade to improve the "curb appeal" of the existing building.





OWNER

City of Roanoke

PROJECT STATUS

Completed 2020

SERVICES

Survey
Environmental
Architecture
Structural Engineering
Civil Engineering
Landscape Architecture

TEAM MEMBERS



E911 VIRGINIA 811 COMMUNICATIONS CENTER

Roanoke, Virginia

The E911 Virginia 811 Communications Center in Roanoke, Virginia, is a unique, mission critical facility that houses the City of Roanoke's Emergency 911 Department and Virginia 811 Utility Protection Services.

The Communications Center is a Category IV Essential Facility, requiring specialty communications equipment and back-up power. The one-story, 31,000 square foot building sits on a 6.5-acre site and includes workout rooms, locker rooms, offices, quiet rooms, conference, training, and a covered outdoor patio. Building construction includes structural steel and concrete block, brick and CMU veneer, and a metal roof.



The Communications Center is a partnership that will operate 24-7, is expected to take more than 1 million phone calls per year, and is capable of assisting with major events and multi-jurisdictional incidents. The project is LEED certified.





OWNER

Carilion Clinic

PROJECT STATUS

Ongoing

SERVICES

Survey

Civil Engineering

Landscape Architecture

TEAM MEMBERS



CARILION HOSPITAL EXPANSION

Roanoke, Virginia

Balzer is working closely with the Robins & Morton/Branch Builds JV construction management team to provide civil engineering and design services for the new campus-wide \$400 million expansion to Roanoke Memorial Hospital in Roanoke, Virginia. The project is being delivered in a collaborative, team environment that included exhaustive preconstruction analysis and planning. This project represents the largest project in both Carilion's and the Roanoke Valley's history and includes a new patient tower to care for emergency and heart patients, a new parking garage and pedestrian skyway to connect it all.

The new structures replace older structures at the hospital including areas for clinical care, education, and research. The Crystal Spring Tower will consist several floors of parking, an expanded emergency department, and floors that will make up Carilion's Cardiovascular Institute. This will create space for Carilion's Roanoke-based heart and vascular services to be consolidated into one location. The emergency department will include 95 beds, in addition to a new 40-bed observation unit.

The new Jefferson Street Parking Garage will be located on the property where the existing Rehabilitation Building is located, adjacent to the Cancer Center. It will add approximately 550 new parking spaces at the medical center. A pedestrian walkway across Jefferson Street will be constructed to join the parking garage and the Crystal Spring Tower.



OWNER

Roanoke County Parks and
Recreation Roanoke County

PROJECT STATUS

2014 – Present

SERVICES

Survey
Environmental
Architecture
Structural Engineering
Civil Engineering
Landscape Architecture

TEAM MEMBERS



EXPLORE PARK

Roanoke, Virginia

Balzer and Associates is part of the Master Plan Design Team for Explore Park, an 1,100 acre outdoor adventure park with amenities such as woodlands, hiking trails, river frontage, campgrounds, bike courses, and obstacle courses. Since the adoption of the Master Plan, Balzer has been providing architecture, civil engineering, environmental, structural engineering, survey, and consulting services for a variety of projects identified in the master plan. As a local consultant, Balzer and Associates provides insight and local knowledge into each of the design opportunities.





OWNER

Roanoke College

PROJECT STATUS

Completed 2016

SERVICES

Civil Engineering
Land Planning
Landscape Architecture
Surveying

ROANOKE COLLEGE – CREGGER CENTER

Salem, Virginia

Balzer and Associates, Inc. provided all site plan civil engineering services for the Cregger Center facility at Roanoke College, which consists of a performance gym, field house, and offices. This project required extensive coordination with the College, the general contractor, and the architect, and was very detail-oriented, to ensure that the facility worked seamlessly with the existing features of the site. Balzer also provided all site engineering and survey services for a new parking lot along High Street and site engineering services for a new amphitheater that were developed in conjunction with the Cregger Center project.



Additional Project Experience

Roanoke County Experience

- Bonsack Elementary School, Roanoke County, VA
- Burlington Elementary School Renovation & Addition, Roanoke County, VA
- Cave Spring High School – VE Study & Renovation/Addition, Roanoke County, VA
- Cave Spring Junior High School – Computer Lab Air Conditioning & VE Study, Roanoke County, VA
- Clearbrook Elementary School Renovation & Addition, Roanoke County, VA
- Green Valley Elementary School Evaluation, Roanoke County, VA
- Herman L. Horn Elementary School Renovation & Addition, Roanoke County, VA
- Hidden Valley High School – Plumbing QC Check, Roanoke County, VA
- Mountain View Elementary School Renovation & Addition, Roanoke County, VA
- Oak Grove Elementary School Renovation & Addition, Roanoke County, VA
- Roanoke County Public Schools – Facilities Assessment, HVAC Study, & Mechanical Systems Redesign
- South Roanoke County High School – Plumbing QC Check, Roanoke County, VA
- West Side Elementary School, Roanoke County, VA
- William Byrd High School – Additions & Alterations, Chiller Replacement, New Chiller Plant/Relighting All Existing Corridors, Renovations & Additions, Science Wing Modifications/Casework Lab Revisions, Roanoke County, VA



High School / CTE Experience

- Culpeper Technical Education Center, Culpeper County, VA
- Salem High School Renovations & Additions, Salem, VA
- Stafford County High School – Full CTE Facilities, Stafford County, VA
- Louisa County High School – Full CTE Facilities, Louisa County, VA
- Washington & Lee High School, Westmoreland County, VA
- St. Charles High School, Charles County, MD
- Eastern View High School – New Construction & Ag/Tech Wing Renovations, Culpeper County, VA
- Kettle Run High School, Fauquier County, VA
- Fluvanna County High School, Fluvanna County, VA
- Franklin County High School – Tech Center Expansion, Franklin County, VA
- James Monroe High School, Fredericksburg, VA
- Halifax County High School, Halifax County, VA

Elementary School Experience

- Morningside Elementary School Renovation & Addition, Library/Administration Relocation, Roanoke, VA
- Round Hill Elementary School Renovation & Addition, Roanoke, VA
- Virginia Heights Elementary School Renovation & Addition, Roanoke, VA
- East Salem Elementary School Renovations & Additions, Salem, VA
- W.W. Robinson Elementary School Alternations & Additions, Shenandoah County, VA
- Berkeley Elementary School Renovations & Additions, Spotsylvania County, VA
- Courthouse Road Elementary School Addition, Spotsylvania County, VA
- Henry Elementary School Renovation & Addition, Franklin County, VA
- Varina Elementary School Additions, Henrico County, VA
- Irisburg Elementary School Renovation & Addition, Henry County, VA
- Rich Acres Elementary School Renovation & Addition, Henry County, VA
- Discovery STEM Academy, Newport News, VA
- R.C. Haydon Elementary School Renovations & Additions, Manassas, VA

Additional Project Experience

High School / CTE Experience

- Ruffner CTE Building, Roanoke, VA
- Culpeper Technical Education Center, Culpeper County, VA
- Auburn High School (Science, CTE, Music, Media and Art), Montgomery County, VA
- Blacksburg High School (Science, CTE, Music, Media and Art), Blacksburg, VA
- Halifax High School, Halifax, VA
- Arlington Career & Tech, Arlington, VA
- Minnie Howard High School, Alexandria, VA
- Christianburg High School, Christiansburg, VA
- Floyd County High School, Floyd County, VA
- Virginia Tech – CID Makerspace, Blacksburg, VA
- Shihadeh Innovation Center, Winchester, VA
- Tawes Career & Tech, Somerset County, MD
- Academies of Loudoun, Loudoun County, VA
- Thomas Jefferson High School for Science and Technology, Alexandria, VA
- Thomas Edison High School, Alexandria, VA
- Nelson County High School – Cosmetology Lab, Nelson County, VA
- Hanover Center for the Trades, Hanover County, VA
- Handley High School CTE Renovation, Winchester, VA
- George Mason High School Fabrication Lab, Falls Church, VA
- Al du Pont High School CTE, Wilmington, DE
- Cape Henlopen High School, Lewes, DE
- Delaware Technical Community College, Dover, DE
- Dickenson High School CTE, Wilmington, DE
- Phelps Architecture, Construction and Engineering High School, Washington, DC
- McKinley Technical High School & Middle School, Washington, DC
- Carver High School, Washington, DC
- Sollers Point Technical High School, Dundalk, MD
- Carver Career and Tech High School, Baltimore, MD
- Dorchester County Tech Center, Cambridge, MD
- Edison High School CTE, Montgomery County, MD
- Gaithersburg High School CTE, Gaithersburg, MD
- Seneca Valley High School CTE, Germantown, MD
- Wooten High School CTE, Rockville, MD
- University of Maryland Eastern Shore Engineering, College Park, MD
- University of Maryland Eastern Shore Pharmaceuticals, College Park, MD



Additional Project Experience

Roanoke County Experience

- Cave Spring High School Renovation, Roanoke County, VA

High School / CTE Experience

- Hanover Center for Trades & Technology, Hanover County, VA
- Heritage High School Culinary Arts Lab, Lynchburg, VA
- Smithfield High School Culinary Arts Lab, Isle of Wight County, VA
- C.D. Hylton High School Renovation, Prince William County, VA
- Hopewell High School Renovation, Hopewell, VA
- Union High School (PPEA), Wise County, VA
- Central High School (PPEA), Wise County, VA
- Hermitage ACE Center, Henrico County, VA
- Kettle Run High School Culinary Arts Lab, Fauquier County, VA
- Colgan High School, Stafford County, VA
- E.C. Glass High School, Lynchburg, VA
- Fauquier High School Dishroom Renovation, Fauquier County, VA
- Gar-Field High School, Prince William County, VA
- James Wood High School Survey, Frederick County, VA
- Jefferson Forest High School, Bedford County, VA
- Kettle Run High School Culinary Arts, Fauquier County, VA
- Patriot High School, Prince William County, VA
- North Stafford High School Dishroom Renovation, Stafford County
- Staunton High School Renovation, Staunton, VA
- Highland Springs High School, Henrico County, VA
- Unity Reed High School Renovation, Prince William County, VA
- James Wood High School, Frederick County, VA
- J.R. Tucker High School, Henrico County, VA
- Sherando High School Servery Renovation, Frederick County, VA

Elementary School Experience

- Hillpoint Elementary School, Suffolk, VA
- Camp Allen Elementary School (PPEA), Norfolk, VA
- Southside STEM Academy at Campostella (PPEA), Norfolk, VA
- Ocean View Elementary School (PPEA), Norfolk, VA
- Richard Bowling Elementary School (PPEA), Norfolk, VA
- Crestwood Elementary School, Chesterfield County, VA
- Reams Elementary School, Chesterfield County, VA
- Hardy Elementary School, Isle of Wight County, VA
- Baldwin Elementary School, Manassas, VA
- Belmont Elementary School, Prince William County, VA
- Bluestone Elementary School, Harrisonburg, VA
- Cassell Elementary School, Augusta County, VA
- Conway Elementary School, Stafford County, VA
- Featherstone Elementary School, Prince William County, VA
- Madison Elementary School, Caroline County, VA
- Ferlazzo Elementary School Renovation, Prince William County, VA



Solutions for the Culinary Arts

1.4. POINTS OF CONTACT

Provide the names, prior experience, addresses, and 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.



Catherine Underwood, *Design-Build Project Manager*
3635 Peters Creek Road | Roanoke, VA 24019
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1.5. FINANCIAL STATEMENT

Provide the current or most recent financial statements of the firm (audited financial statements to the extent available), and 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 the firm or its constituents have appropriate financial resources or operating histories for the project.

Available upon request.



1.6. CONFLICT OF INTEREST

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 (§ 2.2-3100 et seq.).

After review of applicable Virginia laws and regulations, specifically Chapter 31 of Title 2.2, to the best of our knowledge, no member of our proposed team has any conflicting interests and no member of our proposed team will participate in a future interest that would conflict in any manner with the performance of services required under this PPEA project for Roanoke County Public Schools.

1.7. QUALIFIED WORKERS

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

Designing and building multiple schools concurrently under one contract gives us the unique ability to identify challenges and opportunities in the marketplace and our staff is well versed in managing these risks on behalf of RCPS.

Having 60 years of experience working in partnership with trade partners across the Roanoke Valley and the Commonwealth as a whole, Branch offers exceptional knowledge of the local Roanoke and regional SW Virginia markets. Our projects are typically large and sophisticated endeavors, which has enabled our firm to work closely with the most competent and qualified trade partners in Roanoke and across Virginia – the subcontractors best suited for your project. We work closely with our outstanding local trade partners to achieve a high level of performance on all projects. Additionally, we operate in a climate of trust, respect and mutual benefit with our

trade partners, which allows our firm, and clients, to enjoy the cost savings associated with having large groups of trade partners who prefer to work with our firm due to Branch's partnering approach.

While our intent is always to work with trade partners within a project's immediate community, market conditions can necessitate expanding trade coverage across our vast network of Virginia and other Mid-Atlantic trade partners. Our ability to bring known, pre-qualified trade partners from other markets offers a tremendous advantage for our clients for the following reasons:

- We are experienced working with the Commonwealth's and Mid-Atlantic region's most qualified and capable trade partners – Branch has successful working relationships in place, eliminating efficiency-draining learning curves.
- Best value options – our relationships with trade partners are born in trust. This foundational trust allows us to look for the best project solutions through candid communications very early in the process.
- Best pricing – one of the primary drivers of cost is risk. Due to our long-standing relationships with our trade partners and our proven success in project delivery, we are able to maximize the budget by reducing fear and uncertainty, and therefore dollars, in our trade partners' estimates.
- In today's market, it can be challenging to ensure strong trade participation. Due to our footprint and experience in the Mid-Atlantic region we can communicate early and avoid bid conflicts with other large projects in the region.

We will use a multitude of methods to reach out to the subcontracting community and generate interest in this project. Our primary protocol for soliciting subcontractor participation includes the following:

- **Local Construction Offices** – We have three offices; Roanoke, Richmond and Chantilly, Virginia. We have a large number of trade partners that are actively soliciting work from each of our offices every day. We continuously communicate with our trade partners who regularly inquire about our upcoming opportunities and this project would be no different.
- **Mass Communication** – We will send out invitations to prequalify through mass email and faxes using our extensive database of qualified trade partners. These invitations will allow trade partners to access our online plan room to view and download forms, plans, specifications, photos, and other pertinent documents and information.
- **Branch's Website** – We will place information on our website that will allow trade partners to stay up to date with email in addition to accessing our online plan room.
- **Construction Solicitation/Reporting Services** – We will post the request for pre-qualifications with Reed, Dodge, and Bluebook. We will work directly with these companies to post information on their websites and to actively solicit trade partners from their databases. We have had great success working with these organizations to solicit trade partner interest over the years.
- **Advertisements** – We will advertise the project in a multitude of newspapers, with a specific aim at generating local interest.

Subcontractors are truly partners and not unlike the owner or the design team, their success and ours is directly related. As such, Branch conducts an extensive prequalification process for each subcontractor to ensure only qualified tradesman with acceptable safety, quality, schedule and financial records are invited to participate in the bidding process.

In addition to soliciting strategic trade partner input during the preconstruction phase, Branch continuously evaluates the market with an eye toward assembling a comprehensive list of highly qualified trade contractors to be considered later for competitive bidding. Trade prequalification is a very deliberate process that commences early in preconstruction. We utilize a standard in-house form which each trade partner is required to have on file and update annually.

Our process will include verifying references, visiting completed work when appropriate and conducting interviews. Although the evaluation basis will vary for each trade package, in general the governing criteria will be based on each trade's demonstrated capability to complete work of the complexity and value of the scope pursued. Prior to award, we conduct conferences with each low bidder to verify scopes of work, schedule, safety and quality standards.

Branch's philosophy of cultivating mutual respect and shared successes with our trade partners has been a crucial factor in the tremendous success our firm has achieved. We believe our collaborative partnering approach with subcontractors, and the resulting performance they provide our firm, is fundamental to Branch's success as a regional firm competing and regularly winning work against national competition.

1.8. 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 reference Section 5, Appendix for completed DGS Form 30-168.



1.9. SWAM BUSINESS

Describe efforts to facilitate participation of small businesses and businesses owned by women and minorities and the success of these efforts for the project.

Branch is one of the leaders in supporting Virginia's Small, Women and Minority-owned firms. We are long-time annual sponsors of Virginia's prominent SWaMFest event, where we engage and assist SWaM firms in obtaining SWaM certification and becoming prequalified to propose on Branch projects. During the design and preconstruction phase, our professionals structure trade packages to fit the scope of services offered by SWaM firms while partnering them with a larger, proven sub to collaborate with on that particular package. We have also served as a mentor in SWaM Mentor-Protégé relationships where we partner with a small SWaM general contractors to work alongside our professionals as an educational opportunity.

Branch is committed to maximizing participation of Small, Woman-Owned or Minority-Owned trade contractors on our projects and we regularly exceed SWaM participation goals. We utilize a number of internal processes, improved over many years, to help successfully meet client goals.

Our means and methods include:

- A Branch database of SWaM registered subcontractors
- Commonwealth of Virginia's "Minority Contractor's Registry"
- Blue Book, "Minority Contractors" section
- Small Business Administration's "National Directory of Women-Owned Construction Firms"
- City of Richmond Office of Minority Business Development's list of minority registered firms

In addition to the above, Branch has developed an outreach/partnering program where we will, under certain conditions, extend special terms, including:

- Waive bonding.
- Accelerate payment(s).
- Initiate two-party checks where credit has not been established, or purchase materials directly.
- Compel our large subcontract partners to contract prescribed percentages from SWaM suppliers or sub-tier subcontractors.
- Place print ads in local and larger metropolitan areas to announce opportunities for minority, women-owned and small business enterprises.
- Send electronic invitations to Branch's database of SWaM contractors.
- Conduct SWaM "open house" meetings to describe project requirements and encourage participation.

Most of Branch's projects that promote SWaM participation (with or without goal requirements) involve our substantial higher education program. Branch has partnered with many of the Commonwealth's most prestigious universities in the past to maximize SWaM participation on our projects. The following graphic illustrates our recent success:

PAST PROJECT SUCCESS – SWAM PARTICIPATION

VA Tech Torgersen Hall Bridge Restoration	Blacksburg, VA	86%
JMU Madison Hall Sky Bridge	Harrisonburg, VA	72%
VMI Science Building Renovations	Lexington, VA	42%
VMI Military & Leadership Field Training Grounds	Lexington, VA	45%
VA Tech West End Market Renovation	Blacksburg, VA	52%
VA Tech Infectious Disease Research Facility (IDRF)	Blacksburg, VA	42%
Radford University Fine Arts	Radford, VA	53%



OWNER

Baltimore City Schools &
Maryland Stadium Authority
200 E. North Avenue
Baltimore, MD 21202

PROJECT TYPE

Design-Bid-Build

PROJECT SIZE

45,000 SF Renovation
7,100 SF Addition

PROJECT COST

\$19.6 Million

TEAM MEMBERS



ROBERT COLEMAN ELEMENTARY SCHOOL RENOVATION & ADDITION

Baltimore, Maryland

This 45,000 SF, two-story school built in the early 1970's was both too small and inadequate to meet the current educational specifications for Baltimore City Schools. The school is a focus of the community and is used constantly for community events as well as for a school. The school is unique in that it contains a mindfulness program (space) where children learn to calmly address stressful situations.

The RRMM design team initially prepared a feasibility study of four different options. A solution was developed to completely gut the interior of the school and to construct a 7,100 SF addition to accommodate additional administrative, student services, cafeteria, and kitchen needs. A new circulation system was introduced, collaboration spaces, science classroom, music room and mindfulness space added. The expansions also provided an opportunity to enhance the architectural character of the school by adding a new front canopy, and colorful masonry additions to the school.

The site was also redesigned to accommodate a new drop-off loop, parking and public spaces at both the front entry and outside the cafeteria.





OWNER

Albemarle County Public Schools
401 McIntire Road
Charlottesville, VA 22902

PROJECT TYPE

Design-Bid-Build

PROJECT SIZE

51,530 SF Renovation
32,633 SF Addition

PROJECT COST

\$13.8 Million

TEAM MEMBERS



WOODBROOK ELEMENTARY SCHOOL MODERNIZATION/RENOVATION/ADDITION

Albemarle County, Virginia

Due to significant growth in Albemarle County, the need to expand the capacity of Woodbrook Elementary School was identified. The single-story, 51,530 SF renovation and 32,633 SF addition project doubles the school's capacity to about 600 students. The four separate additions accommodate over 280 additional students in several multi-grade learning areas, specifically designed for team teaching. The additions include collaborative learning spaces, a new Gymnasium, a Fitness Room, a Music room, after-hours program rooms, offices and various support spaces. The existing Kitchen is expanded, and the Cafeteria addition features a stage.

Renovations include modernizing the existing classrooms, creating connections to the exterior and corridors featuring integrated collaboration areas. The existing gym was converted into a multi-level collaborative learning space for almost 100 students. Many of the existing classrooms are converted to multi-grade team-teaching areas. Other enhancements include ADA improvements, an expansion to the administration area, new signage, new electrical switchgear and associated electrical panels and technology infrastructure upgrades. Site improvements include a new bus loop, additional car parking, a new parent drop-off, new playgrounds, and multiple outdoor learning areas. This was a phased, occupied construction project.



2.

PROJECT CHARACTERISTICS

2.1. DESCRIPTION OF THE PROJECT

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.

The Branch | RRMM | Balzer Team is proposing to design and construct three complex projects under one comprehensive agreement, which in general terms are as follows:

- a. A New Career and Technical Education Center that will propel the students of Roanoke County Public Schools to the highest level of preparedness for a career in their chosen technical field. The facility will be seen as a leader in the Commonwealth of Virginia and the Mid-Atlantic, and known as the gold standard for Career and Technical Education.
- b. A renovation to Glen Cove Elementary School, converting a dated open-classroom style educational facility into a modern school, suitable for teaching and learning. All building renovations at Glen Cove are anticipated to remain within the existing exterior walls. No additions or expansions are necessary to accommodate the anticipated future student enrollment capacity. Site work will include improving vehicular circulation and alleviating traffic backups by the addition of a new bus loop.
- c. A renovation and transformative expansion to W.E. Cundiff Elementary School, which also converts a dated open classroom style educational facility into a modern school, suitable for teaching and learning. Additionally, the building will be expanded to improve overcrowding, provide more classrooms, a new administration area, and a new kitchen and cafeteria. Like Glen Cove, site work will include improving vehicular circulation and alleviating traffic backups by the addition of a new bus loop.

Detailed information, including renderings, conceptual plans and narratives are included in Volume II.



2.2. WORK PERFORMED BY THE SCHOOL BOARD

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

This team begins any project with the end in mind and a common thread throughout the life of a project is collaboration. The Branch | RMM | Balzer team places an emphasis on participation by RCPS. It is needed and welcomed. To develop your projects in accordance with your requirements and to maximize the intended efficiency of the PPEA process, active engagement from RCPS is necessary. Fundamentally required is the opportunity to collaborate with you, your designees, and key stakeholders – including members of the community at large – to further refine the educational specifications, sites, and buildings to ensure your collective satisfaction. This may take many forms, but often entails visiting new schools to experience the facility in person, observe the relationship between programs and spaces, and witness first-hand the possibilities that abound.

Before entering into an agreement, we respectfully request/suggest RCPS confirms that you will:

- a. Appoint primary representatives and points of contact for all contractual, management, design and construction issues.
- b. Designate a committee to collaborate with our team to refine proposed conceptual plans in accordance with budget parameters, program goals, community needs and regulatory requirements.
- c. Provide reasonable access to the proposed sites without encumbrances or costs.

As with most construction projects, there are certain tasks that are best managed and paid for directly by the Owner, certain tasks that must be done by the Architect or Contractor, and certain tasks that could go either way depending on the project circumstances. Given the proposed project schedules and the nature of PPEA to identify project costs early in the process, we recommend that Roanoke County Public Schools promptly, if having not already done so, commission or pursue the following activities to assist in the early identification of project costs:

- a. Topographic and Utility Survey for all three school properties
- b. Identify or update hazardous materials impacts, including asbestos and lead-based paint testing, for the existing Glen Cove and W.E. Cundiff Elementary Schools for building demolition and/or renovation.
- c. Geotechnical Borings and Report (our team can offer recommendation on soil boring locations if needed). We understand that some preliminary geotechnical engineering was performed at the CTE Center site as part of an earlier due diligence phase; however, additional subsurface investigations will be necessary to better quantify the presence of rock. Geotechnical borings will also be necessary at both elementary school sites in areas of new drives, parking, stormwater management, and proposed building expansions.
- d. Identify the County's requirements related to building permits and utility connection fees;
- e. Initiate discussions with non-governmental utility providers (communications, internet services, natural gas, electrical power, to identify and quantify (preliminary estimate) where connection fees will be required.
- f. Engage the Virginia Department of Transportation regarding additional turn lanes, signals, etc. that may be required for the new CTE Center site (traffic study already underway).
- g. Manage any zoning applications or procedures associated with the new CTE Center (this work has already been initiated).

After the design-build team is selected and the construction is underway, the Owner typically handles the following activities directly:

- h. Remove all furniture, fixtures and loose equipment from the existing building and store items that may be salvaged or re-used. This effort will need to be coordinated with a detailed phasing plan developed by the design-build team;
- i. Purchase and install furniture, fixtures, and loose equipment that may be needed for all three projects. This is especially critical for the CTE Center equipment.
- j. Provide for a Clerk of the Works or third-party construction oversight where required by State and County guidelines or regulations;
- k. Provide for special inspections and commissioning services (unless the County desires to have these services within the Comprehensive Agreement. Most owners procure these services directly).

Note that the Branch | RMM | Balzer Team will gladly assist in the budget development for these Owner-provided tasks and services.

2.3. PERMITS & APPROVALS

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.

Branch | RRMM | Balzer's team of key professionals, with commensurate experience, will coordinate the permitting and approval processes, with which our team is extremely familiar given our unparalleled working experience with Roanoke County. All required submittals for the sites and buildings will be made with the appropriate reviewing agencies. Technical review meetings will be scheduled and held with building departments as appropriate.

Anticipated permits and approvals include the following regulatory agencies. For each, input is sought in the early design phases and permits / formal approvals are sought when construction documents are complete; note that intermediate approvals may be needed for any fast-track activities such as an early site package or an early foundation and steel package.) Most agencies also review and inspect the actual construction.

- a. Building Official (entire project)
- b. Health Department of Health (food service)
- c. Virginia Department of Education (entire project)
- d. County Planning Department
- e. VDOT (for entrances and internal site circulation)
- f. Army Corps of Engineers (to confirm presence of wetlands and streams if they are found on any sites)
- g. Department of Environmental Quality (permitting for streams and wetlands if needed)
- h. Virginia Marine Resources Commission "VRMC" (clearinghouse agency to process wetland and stream impact application)
- i. Roanoke County Emergency Services (for fire/emergency access review)

2.4. ADVERSE IMPACTS

Identify any anticipated adverse social, economic and transportation impacts of the project measured against the County'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 environmental and archaeological assessments have been completed.

We realize that with any large project there is the potential for adverse impacts. With these projects, we believe that the positive impacts significantly outweigh any potential limited adverse impacts that may be existing. Our team has the experience to develop a project plan that will stimulate public support based on rational project objectives and overall community priorities. We strive to include community involvement throughout the design process, including public meetings and assisting Roanoke County Public Schools with press releases and renderings that build trust, excitement, and momentum for the project.

Adverse impacts can arise from any number of sources including the existing site conditions, disruptions for utility connections, traffic inconveniences for street or lane closures and even the possible concerns of surrounding property owners. To the extent a team is already familiar with these and other potential factors, it is better equipped to mitigate or, better yet, avoid their impacts.

To lessen these inconveniences, we will implement a communications plan. Included in the plan will be a site logistics plan to identify the project limits on each of the three project sites, prepare and send communications to RCPS and surrounding neighbors as appropriate as well as offering employment opportunities through subcontractors. An emphasis will be on logistics and developing a materials delivery plan that schedules deliveries at ideal times to alleviate congestion on the roadways to the three sites.

2.5. POSITIVE IMPACTS

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

Rapid developments in technology have flattened our world, enabling students to think and work globally, seamlessly, and collaboratively. The new learning environments needed by today's students enable a broad reach from students to the school, the community, and the world beyond. A new CTE Center, designed for modern career and technology curriculums, will provide students with today's relevant skills and access to modern technology and equipment to ensure workforce readiness. The facility will require adjacency, connectivity, transparency and maximized flexibility to allow for rapidly evolving programs. Our Design will incorporate learning in the architecture itself – learning about the environment, but also the curriculum through the many opportunities a building and school grounds offer for teaching. Our dynamic, yet practical design embraces Career and Technical Education, providing students with the real-world skills, knowledge, and training needed to succeed in their future careers. Our Glen Cove Elementary School and W.E. Cundiff Elementary School designs provide for the thoughtful transformation of the antiquated open classroom style schools into modern educational facilities that meet the needs of today's young students.



All three projects provide numerous positive impacts. A list of just a few include:

- a. Improved facilities that enhance 21st century/next generation learning objectives;
- b. Fulfilling critical community needs for engaging civic spaces;
- c. Increased cost savings associated with new, energy efficient building systems;
- d. Facilities that are designed to be environmentally aware;
- e. Facilities that allow for future growth;
- f. Long-term investment in the communities;
- g. Positive impact on the local economy through the creation of employment and project expenditures during the construction phase;
- h. Assurance to prospective investors and employers that Roanoke County is forward-thinking;
- i. Solid foundation for Roanoke County's future workforce by placing a high priority and emphasis on Career and Technical Education;
- j. Advancement and growth of the local workforce in careers that are in dire need of well-trained employees;
- k. Relief to overcrowding and educational spaces shortages as well as improved security for the Glen Cove and W.E. Cundiff Elementary Schools;
- l. Additional after-hours community amenities; and
- m. More competitive teacher and staff recruitment based on newer, modern building.
- n. PPEA procurement specifically "Design-Build" project delivery will save time, money and offer options that otherwise would not be realized;
- o. Community recognition for the quality of education being offered to the children of Roanoke County employers/employees.

2.6. SCHEDULE

Identify the proposed schedule for the work on the project, including sufficient time for the County's review and the estimated time for completion

The Branch | RRMM | Balzer Team understands how critical the effective execution of the project delivery is to Roanoke County Public Schools. At the macro scale, taking on three major projects nearly simultaneously is a daunting task that must be examined carefully. This Team understands the logistical coordination that is required to deliver multiple projects, having completed several in recent history in this very manner. At a more micro scale and on a facility-by-facility basis, understanding how to phase construction in occupied K-12 schools is a skill only developed through experience and careful coordination. This Team knows through our extensive experience how to navigate and lead Roanoke County through the most difficult portions of construction. Well-coordinated phasing plans will be created to not only guide the construction activities, but also inform the staff, parents and public about what is happening on their school site. Working with RCPS leadership, school principals, and key custodial and facilities staff, this Team will strive for smooth transitions from one phase to the next by clearly defining the goals and schedule milestones for each step, working with the school calendar, events, and for the elementary schools renovations specifically, making the highest and best use of each summer.

The Team has developed project schedules at a high level to illustrate that all three projects can be delivered within your desired schedule. The Team will coordinate with you in greater detail through the design phases to populate these schedules with more information as we work together to discover the path forward.

Please refer to Volume II for more information.

2.7. CONTINGENCY PLAN FOR SCHEDULE

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

Although we do not anticipate an issue with completing these schools according to the projected schedule, unexpected events can arise (i.e. pandemics). In this case RCPS would continue utilizing their existing schools and we would work with the Owner's team to extend phases to limit disruption.

2.8. ASSURANCE FOR TIMELY COMPLETION

Propose allocation of risk and liability for work completed beyond the agreement's completion date, and assurances for timely completion of the project.

The contractual completion time for the project will be established cooperatively with Roanoke County Public Schools as part of the comprehensive agreement negotiations. The contractual completion date would be subject to change for reasons such as, but not limited to, a change in the scope of work, unforeseeable issues arising from zoning or permitting, or unforeseeable site conditions. In summary, this would include all factors outside of our control and is usually established in contract terms.

For your projects, we assume the risk for timely completion of the project for all items within our control. Roanoke County assumes and suffers no liability if the completion schedule is not within the contractual completion time under the contract terms.

Our team is prepared to assume the customary performance risks for development, design, and construction. We are prepared to provide guarantees for said risk and look forward to drafting a Comprehensive Agreement with you to properly allocate risks and define responsibilities for timely completion.

2.9. ASSUMPTIONS TO OWNERSHIP & LEGAL LIABILITY

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.

As with any school facility, ownership and operation will remain the responsibility of Roanoke County Public Schools and the responsibility to police those facilities will remain with local law enforcement. To the extent that the unique nature of a PPEA has the potential to alter those arrangements, clarification is provided below.

During the design/build phase of these projects, we will assume those legal liabilities normally and usually associated with our business practices while engaged in the project and on the site.

Law Enforcement: As is customary, the Roanoke County Public Schools will have, upon occupancy, full responsibility for enforcing any and all laws and restrictions pertaining to the safe and lawful use of the property where new construction is involved. Likewise, the school board will have full responsibility for enforcing any and all laws and restrictions pertaining to the safe and lawful use of any portions of the project that remain occupied and used for educational purposes throughout the process.

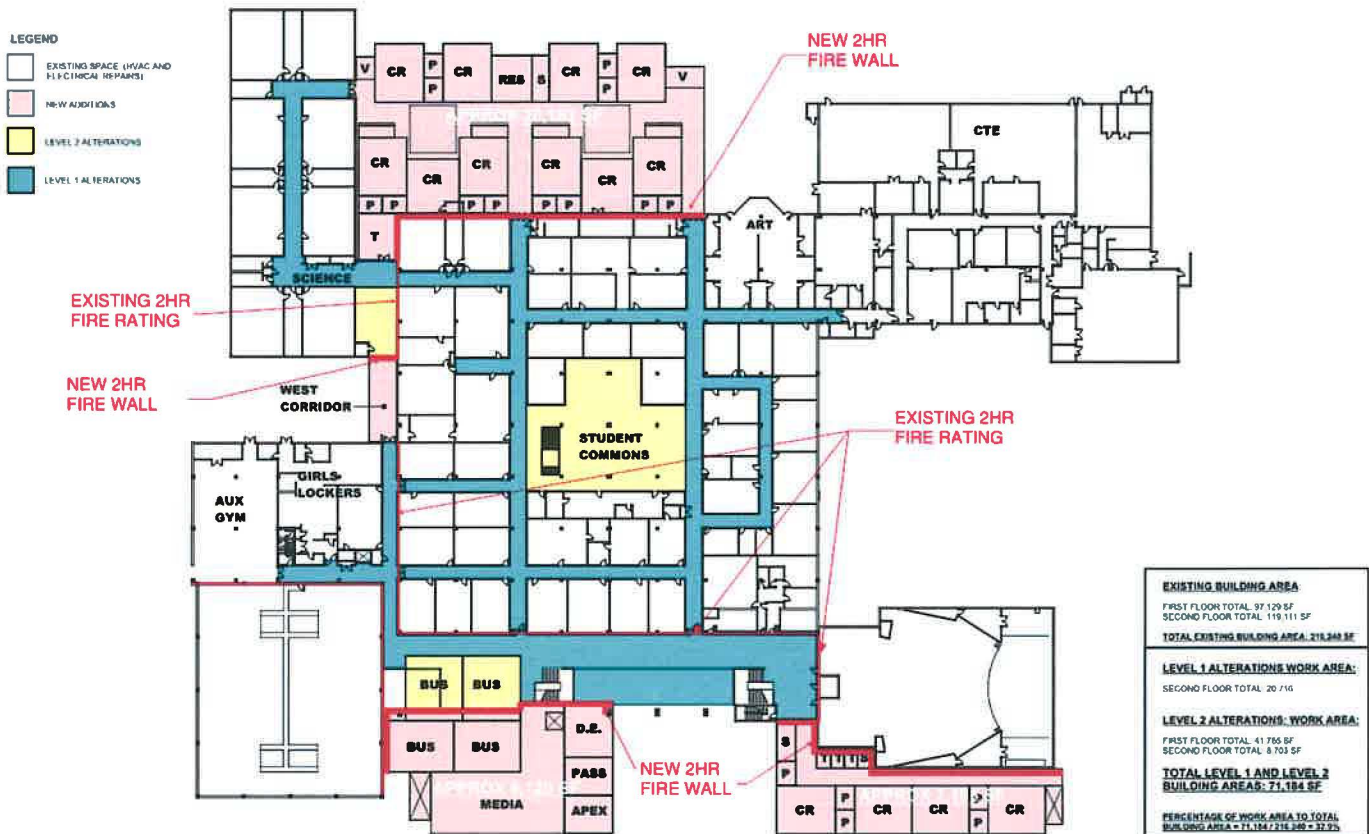
Restrictions: We do not foresee any restrictions on the use of the facility as long as any activity is allowed by local ordinance and School Board policy.



2.10. PHASED OPENINGS

Provide information relative to phased or partial openings of the proposed project prior to completion of the entire work.

The potential for phased openings has not yet been fully determined; however, this team has extensive experience in phased and occupied renovation and expansion projects. Through this experience, we have learned that phasing considerations need to be on the agenda early on. Working in an occupied school building (Glen Cove Elementary School and W.E. Cundiff Elementary School) requires continuous coordination between the design-build team and the Owner. In regular collaboration with administration, principals, and facilities maintenance personnel this team will create and execute a well-developed phasing plan as it is crucial to maintaining a project schedule and helps to ensure the well-being of the staff, students, and visitors to the school. Examples of phasing plans for other similar projects can be provided for review; however, the image below is indicative of the type of documentation that this team provides to navigate this complex project.



Our goal is to expedite the completion of this project so that RCPS can occupy each school facility as soon as possible. We anticipate the project will be delivered complete as indicated on the proposed project schedule.

Our team has an extensive resume of managing large, highly visible community-focused projects like the new Roanoke County CTE Center, Glen Cove Elementary School and Cundiff Elementary School projects. We have successfully delivered two almost identical projects (three separate facilities on three separate sites under one PPEA contract). As part of the professional design-build preconstruction services offered by Branch, our team will work closely with RCPS and end users to create schedules that ensure the safety of all who enter the school sites, allow for educational and extra-curricular activities to be maintained throughout construction and meet the occupancy needs of RCPS. We will work cooperatively with RCPS during the design and preconstruction phase as scopes of work are further defined to identify any necessary partial or phased openings, and we will incorporate these into our schedule as appropriate.

2.11. APPLICABLE STANDARDS

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

In addition to those typical code and regulatory agency requirements listed in Section 2.3 above, projects in the Commonwealth of Virginia, must comply with the Virginia High Performance Building Act per the following:

Beginning July 1, 2021, buildings for localities with populations of 100,000 or more must be designed, constructed, verified, and operated to comply with one of three high-performance building certification programs (LEED certification, Green Globes Certification, or VEES verification), have sufficient zero-emission vehicle charging and fueling infrastructure, include features that measure the energy consumption and associated carbon emissions, and incorporate appropriate resilience and distributed energy features.

Remaining localities must abide by these requirements beginning July 1, 2023.

Localities can seek an exemption if it is impractical to build or renovate to the standards. Local governments also have the option to adopt their own green design and construction program with standards that are more stringent than those required by law.

The above mandates apply to new buildings over 5,000 square feet and renovations where the cost of the renovation exceeds 50% of the value of the building. Smaller projects (those that are less than 20,000 gross square feet in size) have the option to achieve an ENERGY STAR certification with the implementation of mechanical, electrical, plumbing, and envelope commissioning instead.

3.

PROJECT FINANCING

3.1. PRELIMINARY ESTIMATE

Provide a preliminary estimate and estimating methodology of the cost of the work by phase, segment, or both.

Please reference Volume II, Redacted Copy for our Preliminary Estimate and Methodology.

3.2. PLANS FOR DEVELOPMENT

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. Include any supporting due diligence studies, analyses or reports.

Please reference Volume II, Redacted Copy for additional information regarding financing.

3.3. ASSUMPTIONS

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. In addition, complete disclosure of interest rate assumptions should be included. Any ongoing operational fees, if applicable, should also be disclosed as well as any assumptions with regard to increases in such fees.

It is our understanding that Roanoke County Public Schools has acquired or will be securing their own financing independently and thus does not need for our-design build team to address financial assumptions.

3.4. RISK FACTORS

Identify the proposed risk factors and methods for dealing with these factors. Describe methods and remedies associated with any financial default.

It is our understanding that Roanoke County Public Schools has acquired or will be securing their own financing independently and thus does not need for our-design build team to address risk factors.

3.5. PUBLIC RESOURCES

Identify any local, state or federal resources that the proposer contemplates requesting for the project. Describe the total commitment, if any, expected from governmental sources and the timing of any anticipated commitment, both one-time and on-going.

We understand that Roanoke County Public Schools will be securing their own financing independently, and therefore, does not need our design-build team to address potential revenue from government sources.

3.6. SUPPORT FOR RECOMMENDED FINANCE PLAN

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 County providing its general obligation or moral obligation backing.

We understand that Roanoke County Public Schools will be securing their own financing independently, and therefore, is not seeking a description of the underlying support and commitment required by the School Board.

3.7. DEDICATED REVENUE

Identify any dedicated revenue, source or proposed debt or equity investment on behalf of the private entity submitting the proposal.

We understand that Roanoke County Public Schools will be securing their own financing independently, and therefore, is not seeking our identification of any dedicated revenue.



4.

PROJECT BENEFIT AND CAPABILITY

4.1. COMMUNITY BENEFITS

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 County 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.

This project will provide a necessary resource in the overall mission of the Roanoke County School System: “To invest in our community’s future by preparing our students with Opportunity Ready skills as defined in the RCPS Profile of a Graduate.”

The greatest benefactor of this project will be the students, teachers and staff of the new facilities. It is a long-term investment in the future of your community that will continue to pay dividends to the community for many years. The long-term impact is that CTE programs prepare you for higher paying jobs that are experiencing a lot of growth — meaning that the demand for your students who can do these jobs is increasing. For example, the employment of solar energy system installers is predicted to grow by over 50% by 2030.

The immediate economic impact will be the opportunity to provide employment and project expenditures that will occur during construction of the project. This point is particularly important to our team given our ties to the local market and our significant stake in the health and well-being of the local economy. Our team will utilize local and regional businesses whose investment in the community and its long-term wellbeing is already firmly established. Sub-contractors, tradesmen/women, manufacturers, suppliers, engineers, inspectors, and other professionals who will provide services for this project will realize a much-needed boost.



4.2. ANTICIPATED SUPPORT

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.

With any large school construction project there will be proponents (those more focused on the quality of education than other minor inconveniences) and naysayers (those concerned about tax increases or other financial hardships a large project can produce). As we qualified earlier, we serve as information providers, and it is incumbent upon our team to create a design and teaching environment that transcends the peripheral issues and gets most citizens excited about what this new school will mean for their children and grandchildren. The need for enhanced CTE facilities and improved Glen Cove and Cundiff Elementary Schools in Roanoke County has been widely acknowledged locally. Our role will be to serve as an advocate for the project, including utilizing continuous positive and community-wide messaging during the design and preconstruction phase to address concerns and help generate excitement through a design that when complete, fulfills the expectations of the majority.

We believe our approach to providing facilities tailor-made for the curricula they will house and the communities they serve, our plans to expedite the delivery of each, and the opportunities for off-setting or otherwise deferring associated costs will give RCPS and the community confidence in selecting a direction for moving forward. Throughout the design process and construction, and in coordination with RCPS, our team will continue to work with all affected groups and individuals to provide up-to-date information to maintain the level of support from and for the administration and community.

As the need for a modern CTE facility and improved Glen Cove and Cundiff Elementary Schools has grown, two issues should be considered. The need for construction of enhanced, relevant school facilities to provide high-quality educational opportunities as well as the concern about maximizing the utilization of available funding. What is needed is a dynamic way of reaching a middle ground between these two issues. We believe the PPEA process provides that opportunity. We will utilize the PPEA process to develop new school facilities that will meet the current needs and future requirements of Roanoke County Public Schools, at a project cost that will be compatible with the prudent expenditure of available funds. Additionally, given the transparency of the process, RCPS will be informed and involved every step of the way.

Our PPEA team will be working and coordinating with many Roanoke County agencies to obtain the required plan approvals and permits for the project. An integral part of this process is maintaining an open line of communication with RCPS and other County agencies/officials. Communication is the key to addressing the two issues discussed above. The public and end users need to understand the needs of the school system are being met with a reasonable expense of funds. To this end, we anticipate significant support. We do not foresee any federal support or opposition to the project being proposed herein.

4.3. STRATEGY AND PLANS

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.

Our team has extensive experience in creating and managing dialogue and input from governmental agencies, the business community, and the public at large for public school projects.

As the project evolves, in conjunction with Roanoke County Public Schools, we can use a variety of methods to keep the general public informed about the project including:

- Articles in local newspapers discussing the project
- Educational updates to provide information about the scope, timing and benefits of the project
- Tours of the school to provide on-site illustrations of the project's benefits and progress
- Participation at local levels such as speaking opportunities and public forum events to provide updates, receive input, and to describe the benefits and rationale of the project design.

Our team will work closely with the Roanoke County Public School staff to develop a website which provides information about the project. That individual will also work with Roanoke County Public Schools to plan ceremonies that highlight significant milestones of the project and promote an inclusive environment for the entire community to celebrate the investment in the future of Roanoke County Public Schools and the community overall.

As is typical with most PPEA projects, until a design-build team is selected, there is a careful balance between keeping the public informed and honoring the confidential nature of the competitive process. For example, the pricing strategy and the design concepts proposed by competing teams are usually treated as proprietary, confidential information. Given the aggressive project schedule that is currently being contemplated, we would recommend public presentations as soon as an interim agreement has been negotiated, so that community input can be incorporated as early as possible.



We know that community support is a very important consideration for any school project. We will work carefully with you to craft a public relations strategy that fits the unique needs of your community.

4.4. ANTICIPATED SIGNIFICANT BENEFITS

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 business to the County or other affected jurisdiction.

New schools are a physical symbol that a community has pride in its infrastructure and has hope in the future. These investments are important when trying to attract new businesses to the area. It gives the prospective investors assurance that the community is forward-thinking and is providing a solid foundation for its future workforce. Roanoke County is also providing this same assurance to existing businesses and families by constructing a new CTE as well as Elementary Schools.

Roanoke County Public Schools "Profile of a Graduate" states that a recent graduate will display the characteristics of 1) Citizenship, 2) Collaboration, 3) Communication, 4) Career Plan, 5) Creativity, 6) Competence, 7) Centeredness and 8) Critical Thinking. These new facilities will provide a platform for students to develop skills that are subsets of these characteristics such as being skilled and knowledgeable, having a sense of purpose, resourcefulness, productive in a team setting and able to identify and solve problems.

Furthermore, these facilities align with the most recent strategic plan that stresses "Deeper Learning". New facilities will not only allow students to prepare for standardized tests, but will also develop Opportunity Ready skills that are critical to their future success. The collaborative spaces will help foster a physically, emotionally, and intellectually safe environment in which the students experience a sense of belonging and thus allow each student to thrive. The new technology in each of these facilities will support the instructional program and business functions of the school system. Finally, state-of-the-art facilities allow you to be more attractive to the ever-changing challenges you will face in the recruitment of a diverse workforce.



4.5. COMPATIBILITY

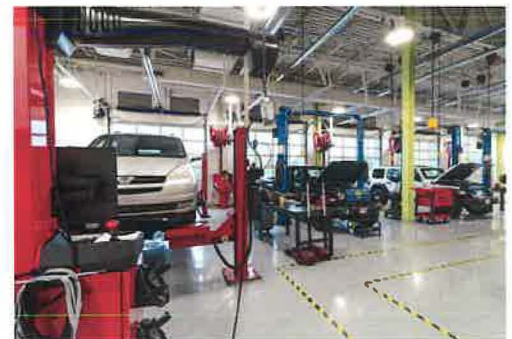
Describe the project's compatibility with the County's and/or other affected jurisdiction's local comprehensive plan (including related environmental, land use and facility standards ordinances, where applicable), infrastructure development plans, transportation plans, the capital improvements plan and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

This proposed new CTE and improved elementary schools project will improve the quality and relevancy of education Roanoke County is able to offer the community by providing modern learning spaces for students that meet the evolving needs of the County's residents and school programs. This improved quality of education is paramount when attracting new businesses and keeping existing businesses. While there are many variables that families use to consider different living areas, the state of the local school system can typically be considered one of the most important. Having a desirable school system with respectable facilities is a driving force when trying to attract working families, which are essential for businesses and communities as a whole to be successful.

While improving the school facilities in Roanoke County is not necessarily considered an economic development initiative, this project will have a positive economic impact. There will be hundreds of jobs created for the construction phase. Furthermore, workers associated with the project who do not live in the region will support local hotels, restaurants, and other stores. Finally, the education provided at the new CTE Center will directly impact the quality and quantity of our local skilled workforce, a critical factor in economic development success.

A skilled workforce is essential to economic development and a strong economy, and a solid educational foundation is critical to developing that skilled workforce. The completion of the new CTE will better equip students for the labor market, which benefits workers and businesses alike. Likewise, RCPS' commitment to providing quality schools also serves the County well in attracting new companies to the area.

Finally, RCPS can play a crucial complementary role in local economic development efforts by working with local municipalities and corporate employers to tailor programs specifically to the needs of a particular employer or market sector cluster. For example, a business may choose to relocate to Roanoke Valley due to the steady stream of potential apprentices and new hires that will become immediately available without an additional four-year college commitment. In addition, Principal Kish was clear in expressing the need for the new CTE to be flexible and therefore adaptable to constantly changing programs and needs. The versatility we have designed into the facility is highly conducive for creating and conducting tailor-made programs/courses that meet the ever-evolving needs of local employers, fulfilling a vital role in the economic health of our community.



4.6. SWAM PARTICIPATION

Participation of small and minority-owned business.

Our PPEA team includes **RRMM Architects, which is Virginia Certified Small Business (No. 652673)**, and other consultants who are Virginia SWaM certified:

- **Ascent Engineering Group, MEP & Fire Protection Engineering** – VA Certified Small Business (No. 93485)
- **Diversified Educational Systems (DES), CTE Consultant** – VA Certified Small Business (No. 654472)
- **Foodservice Consultants Studio, Foodservice Design** – VA Certified Small, Micro, Women-Owned Business (No. 661777)



Greene County High School & Middle School



BRANCH BUILDS

I. GENERAL INFORMATION

- | | |
|--|--|
| 1. SUBMITTED TO: | Roanoke County Public Schools |
| Address: | 5937 Cove Road
Roanoke, VA 24019 |
| 2. NAME OF PROJECT: | Roanoke County CTE Center & Multi-Elementary
School Facility Improvements |
| 3. TYPE OF WORK YOU WISH TO QUALIFY FOR: | General Construction |
| 4. CONTRACTOR'S NAME: | Branch Builds, Inc. |
| Mailing Address: | 3635 Peters Creek Road
Roanoke, VA 24019 |
| Street Address: | <i>Same as mailing</i> |
| (If not the same as mailing address) | |
| Website: | www.branchbuilds.com |
| Telephone Number: | 540-989-5215 |
| Contact Person: | Jason Hoyle |
| Contact Person's Phone Number: | 540-989-5215 |
| State Contractor's License Number: | 2701007213 Class A |
| Designated Employee Registered
with the Virginia Board for Contractors: | Catherine Underwood |



I. GENERAL INFORMATION (CONTINUED)

5. CHECK TYPE OF ORGANIZATION:

Corporation ☒ Partnership ☐ Individual ☐ Joint Venture ☐

6. IF A CORPORATION -

State of Incorporation: **Virginia**

Date of Incorporation: **April 1963**

Federal I.D. #: **54-1393120**

OFFICERS	NAME/CONTACT INFO	YEARS IN POSITION
Chief Executive Officer:	Don Graul 540-892-3246 donald.graul@branchgroup.com	3
Chief Financial Officer:	Bob Wills 540-982-1678 bob.wills@branchgroup.com	5
President:	Jason Hoyle 540-989-5215 jason.hoyle@branchbuilds.com	1
VP, Operations:	Berton Austin 540-989-5215 berton.austin@branchbuilds.com	3
VP, Estimating:	Tony Brown 540-283-3085 tony.brown@branchbuilds.com	19
Secretary:	Jeff Bourne 540-982-1678 jeff.bourne@branchgroup.com	2

Are you a Subchapter S Corporation?

Yes

7. IF A PARTNERSHIP -

Date organized:	Not Applicable
Type of partnership:	Not Applicable
List of General Partners:	Not Applicable
Name Phone # Years as G.P.	Not Applicable

8. IF INDIVIDUALLY OWNED -

Years in Business: **Not Applicable**

9. HAVE YOU EVER OPERATED UNDER ANOTHER NAME?

Yes

If yes - Other name:	Branch & Associates
Number of years in business under this name:	55 years
State license number under this name:	2701007213 Class A

**BUILDING LEGACIES
FOR A THRIVING FUTURE**

RELATIONSHIPS ■ EXCEPTIONALISM ■ OWNERSHIP



I. GENERAL INFORMATION (CONTINUED)

10. Department of Small Business and Supplier Diversity (DSBSD) Certifications:

Check all that apply:

- | | |
|--|--------------------------------|
| <input type="checkbox"/> Micro Business | DSBSD Certification No.: _____ |
| <input type="checkbox"/> Small Business | DSBSD Certification No.: _____ |
| <input type="checkbox"/> Small Women-Owned Business | DSBSD Certification No.: _____ |
| <input type="checkbox"/> Small Minority-Owned Business | DSBSD Certification No.: _____ |
| <input type="checkbox"/> Small Service Disabled Veteran-Owned Business | DSBSD Certification No.: _____ |



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.

1. Bonding Company's name: **Berkshire Hathaway Specialty Insurance Company**

Address: 100 South Jefferson Road, Suite 101
Whippany, NJ 07981

Representative (Attorney-in-fact):

Krystal Stravato
100 South Jefferson Road, Suite 101
Whippany, NJ 07981

2. Is the Bonding Company listed on the United States Department of the Treasury list of acceptable surety corporations?

Yes

3. Is the Bonding Company licensed to transact surety business in the Commonwealth of Virginia?

Yes

4. Describe the capacity the organization has to meet the project schedule and demands. Include an analysis of current workload.

Branch Builds, Inc. has a staff of over 90 employees who are professionals in their respective disciplines. We are currently completing several projects (detailed below) and are perfectly positioned to begin preconstruction work on the Roanoke County CTE Center & Multi-Elementary School Facility Improvements project.

CURRENT WORKLOAD | ROANOKE OFFICE

Project	Completion Date	% Complete
Lancaster County Combined Middle/High School PPEA	2025	Precon
Roanoke College Science Complex	2025	Precon
Danville G.L.H. Johnson Elementary School PPEA	2025	1%
Carilion Roanoke Memorial Hospital Expansion	2025	34%
Augusta Health 3rd Floor Fit-Out	2024	15%
1435 Tom's Creek Apartments	2023	86%



Berkshire Hathaway
Specialty Insurance

June 6, 2023

Roanoke County Public Schools
5937 Cove Road
Roanoke, VA 24019

Re: Branch Builds, Inc.
Description: Arnold R. Burton CTE Replacement

Dear Sir or Madam:

It has been the privilege of American Global LLC and Hartford Fire Insurance Company and Berkshire Hathaway Specialty Insurance Company to provide surety bonds on behalf of Branch Builds, Inc., a subsidiary of The Branch Group. In our opinion, Branch Builds, Inc. remains properly financed, well equipped, and capably managed.

At the present time, Hartford Fire Insurance Company and Berkshire Hathaway Specialty Insurance Company provide a \$300,000,000.00 single project / \$1,250,000,000.00 aggregate surety program to Branch Builds, Inc. As always, Hartford Fire Insurance Company and Berkshire Hathaway Specialty Insurance Company reserves the right to perform normal underwriting at the time of any bond request, including, without limitation, prior review and approval of relevant contract documents, bond forms, and project financing. We assume no liability to your or any of your affiliates if for any reason we do not execute such bonds.

Hartford Fire Insurance Company is listed on the U.S. Treasury Department's Listing of Approved Sureties (Department Circular 570) and is rated A+, XV by A.M. Best Company.

Berkshire Hathaway Specialty Insurance Company is listed on the U.S. Treasury Department's Listing of Approved Sureties (Department Circular 570) and is rated A+ XV by A.M. Best Company.

Very truly yours,

Hartford Fire Insurance Company
Berkshire Hathaway Specialty Insurance Company

Krystal L. Stravato, Attorney-In-Fact



III. JUDGMENTS

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?

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.

Not Applicable



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 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?*

No

- b. *ever been found guilty on charges relating to conflicts of interest?*

No

- c. *ever been convicted on criminal charges relating to contracting, construction, bidding, bid rigging or bribery?*

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?*

No

- d. *ever been convicted on charges relating to employment of illegal aliens on construction projects?*

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?*

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?*

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?

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?

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?

No

3. Have any Performance or Payment Bond claims ever been paid by any surety on behalf of your organization?

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?

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.

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?

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.

No



Auburn High School



BRANCH BUILDS

V. EXPERIENCE

If your organization has multiple offices, provide the following information for the office that would handle projects under this prequalification. If that office has limited history, list its experience first.

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.*



COMPLETED PROJECTS | 2023 - 2013

The Vue Apartments | Blacksburg, Virginia | CM@Risk

Size: 271,000sf | 206 units
Contract Amount: \$33.6 Million
Completion Date: April 2023

Virginia Tech Dietrick Hall 1st Floor & Plaza Renovations Blacksburg, Virginia

Size: 18,845sf
Contract Amount: \$8.3 Million
Completion Date: March 2023

Christiansburg Elementary Schools 3-School PPEA Christiansburg, Virginia

Size: 106,978sf
Contract Amount: \$35 Million
Completion Date: February 2023

Fairfax County Adult Detention Center, Package A Fairfax, Virginia

Size: 1,500sf
Contract Amount: \$3.8 Million
Completion Date: December 2022

Henry L. Marsh Elementary School | Richmond, Virginia CM@RISK

Size: 100,000sf
Contract Amount: \$34.6 Million
Completion Date: Phases I-III: Completed August 2020
Phase IV: September 2022

Westmoreland High School | Montross, Virginia

Size: 148,500sf
Contract Amount: \$48.4 Million
Completion Date: July 2022

Reston Fire Station #25 | Reston, Virginia | LEED SILVER

Size: 17,150sf
Contract Amount: \$10 Million
Completion Date: January 2022

Centennial Terrace Apartments | Richmond, Virginia

Size: 49,043sf | 53 units
Contract Amount: \$9.1 Million
Completion Date: October 2021

The North Star School | Leesburg, Virginia

Size: 93,380sf
Contract Amount: \$32.2 Million
Completion Date: August 2021

Robert E. Aylor Middle School | Stephens City, Virginia CM@RISK

Size: 160,000sf
Contract Amount: \$41.1 Million
Completion Date: July 2021

Magnolia Green Apartments | CM@Risk | Moseley, Virginia

Size: 248 Units
Contract Amount: \$31 Million
Completion Date: March 2021

VMI - Post Infrastructure | CM@Risk | Lexington, Virginia

Size: Work consists of: building renovation,
Police Station, utility & infrastructure
upgrades, wall repair, bridge replacement
Contract Amount: \$27.7 Million
Completion Date: February 2021

Virginia Tech Student Athletic Performance Center Blacksburg, Virginia | LEED GOLD

Size: 24,890sf
Contract Amount: \$16.5 Million
Completion Date: December 2020

Prince William - Manassas Regional Adult Detention Center Manassas, Virginia

Size: 113,540sf Renovations
48,040sf Additions
Contract Amount: \$45.7 Million
Completion Date: November 2020

King George Middle School Additions and Renovations King George, Virginia

Size: 113,540sf Renovations
48,040sf Additions
Contract Amount: \$18 Million
Completion Date: November 2020

Park 37 Apartments | CM@RISK | Blacksburg, Virginia

Size: 105,022sf
Contract Amount: \$13.8 Million
Completion Date: September 2020

Pulaski County Middle School | Pulaski, Virginia

Size: 168,989sf
Contract Amount: \$37.1 Million
Completion Date: August 2020

Loudoun County Public Safety Firing Range Leesburg, Virginia

Size: 61,000sf
Contract Amount: \$21.3 Million
Completion Date: June 2020

Crossroads Station, Phase I & II | Fredericksburg, Virginia | CM@RISK

Size: 228,842sf
Contract Amount: \$20.3 Million
Completion Date: May 2020

Woolen Mills Adaptive Re-Use | CM@RISK Charlottesville, Virginia

Size: 100,000sf
Contract Amount: \$15 Million
Completion Date: May 2020



COMPLETED PROJECTS | 2023 - 2013

Radford University Reed & Curie Halls | CM@RISK **Radford, Virginia | LEED GOLD**

Size: 76,000sf
Contract Amount: \$23.5 Million
Completion Date: February 2020

RCC Aquatics Renovation | Reston, Virginia

Size: 13,300sf
Contract Amount: \$4.5 Million
Completion Date: October 2019

Lewinsville Intergenerational Center | Fairfax, Virginia **LEED SILVER**

Size: 32,000sf
Contract Amount: \$10.5 Million
Completion Date: April 2019

VWCC New Stem Building | CM@RISK **Roanoke, Virginia**

Size: 72,000sf
Contract Amount: \$24 Million
Completion Date: July 2019

Greene County HS & MS Improvements | CM@RISK **Stanardsville, Virginia**

Size: 62,000sf
Contract Amount: \$24.2 Million
Completion Date: July 2019

Virginia Tech Academic Buildings Renovations **Blacksburg, Virginia | LEED SILVER**

Size: 69,000sf
Contract Amount: \$26.7 Million
Completion Date: May 2019

Moore's Lake Apartments | Chester, Virginia | LEED SILVER

Size: 279,455sf | 200 Units
Contract Amount: \$29.3 Million
Completion Date: May 2019

AEP Parking Deck | Roanoke, Virginia

Size: 90,375sf
Contract Amount: \$5 Million
Completion Date: March 2019

City of Fairfax Firing Range | Fairfax, Virginia

Size: 11,000sf
Contract Amount: \$4 Million
Completion Date: December 2018

JMU West Campus Parking Deck

Harrisonburg, Virginia | CM@RISK
Size: 685 Parking Spaces
Contract Amount: \$11.7 Million
Completion Date: September 2018

Fairfax Connector Reston/Herndon Bus Garage **Herndon, Virginia | LEED SILVER**

Size: 24,140sf
Contract Amount: \$8.3 Million
Completion Date: September 2018

Providence Middle School Additions & Renovations **North Chesterfield, Virginia**

Size: 134,300sf
Contract Amount: \$22.7 Million
Completion Date: September 2018

Virginia Tech Rector Field House Improvements **Blacksburg, Virginia | CM@RISK**

Size: 110,900sf
Contract Amount: \$14.8 Million
Completion Date: April 2018

South Lakes High School Addition | Reston, Virginia

Size: 38,959sf
Contract Amount: \$8.3 Million
Completion Date: December 2017

Magnolia Green Clubhouse | Moseley, Virginia

Size: 17,738sf
Contract Amount: \$4.5 Million
Completion Date: October 2017

Deschutes Tasting Room, Renovations **Roanoke, Virginia**

Size: 5,018sf
Contract Amount: \$310,000
Completion Date: October 2017

Mullen Elementary School Renovation | Manassas, Virginia

Size: 66,000sf
Contract Amount: \$5.2 Million
Completion Date: September 2017

Mountain View High School Additions & Renovations **Stafford, VA**

Size: 22,800sf
Contract Amount: \$7 Million
Completion Date: August 2017

West Ox Bus Operations Center, Exp PH II | Fairfax, Virginia **LEED GOLD**

Size: 86,000sf
Contract Amount: \$11.5 Million
Completion Date: October 2017

Tysons Pimmit Regional Library | Fairfax County, Virginia **LEED SILVER**

Size: 58,920sf
Contract Amount: \$3.6 Million
Completion Date: July 2017



COMPLETED PROJECTS | 2023 - 2013

Ashleigh at Lansdowne Assisted Living Community Leesburg, Virginia

Size: 108,000sf
Contract Amount: \$17.2 Million
Completion Date: February 2017

Shockoe Valley View II | Richmond, Virginia **NEGOTIATED CM**

Size: 69,000sf
Contract Amount: \$7.3 Million
Completion Date: December 2016

Lincolnia Senior Center Renovation | Alexandria, Virginia

Size: 61,400sf
Contract Amount: \$6.9 Million
Completion Date: December 2016

Novant Health Centreville | Urgent Care and Imaging Centreville, Virginia

Size: 6,396sf
Contract Amount: \$1.4 Million
Completion Date: October 2016

Colonial Forge High School Additions & Renovations Stafford, Virginia

Size: 19,110sf
Contract Amount: \$6.9 Million
Completion Date: September 2016

Fort Belvoir Elementary School I & II | Fort Belvoir, Virginia **DESIGNED & CONSTRUCTED TO LEED SILVER STANDARDS**

Size: 95,000sf
Contract Amount: \$21.6 Million
Completion Date: August 2016

Frederick County Middle School | Winchester, Virginia

Size: 190,000sf
Contract Amount: \$42.3 Million
Completion Date: August 2016

Gramercy Row Apartments | Roanoke, Virginia | CM@RISK

Size: 92,000sf
Contract Amount: \$8.9 Million
Completion Date: August 2016

VMI Corps Physical Training Facility, Phase II Lexington, Virginia | CM@RISK | LEED SILVER

Size: 130,581sf
Contract Amount: \$32.5 Million
Completion Date: August 2016

Roanoke College Cregger Athletic Center Salem, Virginia | DESIGN-BUILD

Size: 155,000sf
Contract Amount: \$39.6 Million
Completion Date: August 2016

Emory & Henry School of Health Sciences DPT Marion, Virginia | New Marion CHS Campus | LEED SILVER DESIGN-BUILD

Size: 75,000sf
Contract Amount: \$12.7 Million
Completion Date: June 2016

Stringfellow Road Park & Ride Expansion Centreville, Virginia | LEED SILVER

Size: 1,300sf | 323 Parking Spaces
Contract Amount: \$5.5 Million
Completion Date: May 2016

Washington & Lee University Center of Global Learning Lexington, Virginia | CM@RISK

Size: 33,000sf
Contract Amount: \$10.6 Million
Completion Date: March 2016

Mountaineer Automotive | Beckley, West Virginia **LEAN Construction | CM@RISK**

Size: 53,434sf
Contract Amount: \$8.1 Million
Completion Date: March 2016

Dynax America Plant Expansion | Roanoke, Virginia **CM@RISK**

Size: 144,000sf
Contract Amount: \$7.5 Million
Completion Date: February 2016

Glenvar High School | Salem, Virginia

Size: 130,000sf
Contract Amount: \$24.3 Million
Completion Date: December 2015

Freedom High School Addition | South Riding, Virginia

Size: 12,979sf
Contract Amount: \$4.5 Million
Completion Date: August 2015

Richard Bland College Ernst Hall Renovation Petersburg, Virginia

Size: 33,324sf
Contract Amount: \$6 Million
Completion Date: August 2015

Emory & Henry College Woodrow W. McGlothlin Center for the Arts | Emory, Virginia | LEED SILVER

Size: 47,000sf
Contract Amount: \$16 Million
Completion Date: August 2015

Liberty University Science Hall | Lynchburg, Virginia **CM@RISK**

Size: 124,200sf / 5 stories
Contract Amount: \$32.6 Million
Completion Date: August 2015



COMPLETED PROJECTS | 2023 - 2013

Ridgeview High School & Middle School Clintwood, Virginia

Size: 285,000sf
Contract Amount: \$59.2 Million
Completion Date: July 2015

The Spectrum | Richmond, Virginia | **NEGOTIATED CM**

Size: 107,872sf
Contract Amount: \$8 Million
Completion Date: May 2015

Roanoke Higher Education Center Renovation Roanoke, Virginia | **CM@RISK**

Size: 152,000sf
Contract Amount: \$7.4 Million
Completion Date: April 2015

Novant Tysons Corner Imaging Suite | McLean, Virginia

Size: 2,200sf
Contract Amount: \$780,000
Completion Date: April 2015

Prince William Household Hazardous Waste Facility Manassas, Virginia | **DESIGN-BUILD**

Size: 9,500sf
Contract Amount: \$2.2 Million
Completion Date: March 2015

Broad Run Business Center | Sterling, Virginia

Size: 36,706 sf
Contract Amount: \$4.1 Million
Completion Date: February 2015

Liberty University Softball Stadium Lynchburg, Virginia | **DESIGN-BUILD**

Size: 1,000 seats
Contract Amount: \$8.7 Million
Completion Date: January 2015

Auburn Middle School | Riner, Virginia | **DESIGN-BUILD**

Size: 120,000sf
Contract Amount: \$18.4 Million
Completion Date: December 2014

Interbake Apartments | Richmond, Virginia **NEGOTIATED CM**

Size: 250,000sf
Contract Amount: \$23.3 Million
Completion Date: December 2014

Liberty University Parking Deck | Lynchburg, Virginia **DESIGN-BUILD**

Size: 460,000sf | 1,455 spaces
Contract Amount: \$18.4 Million
Completion Date: August 2014

JMU Madison Hall Sky Bridge | Harrisonburg, Virginia

Size: 2,000sf
Contract Amount: \$1 Million
Completion Date: August 2014

Loudoun County High School Restroom Building Leesburg, Virginia

Size: 1,800sf
Contract Amount: \$2.4 Million
Completion Date: August 2014

Huntington Bus Garage Renovation and Expansion Lorton, Virginia

Size: 4,800sf
Contract Amount: \$2.5 Million
Completion Date: July 2014

City of Manassas Public Works Building Re-Roof Manassas, Virginia

Size: 77,500sf
Contract Amount: \$1.1 Million
Completion Date: June 2014

Dulles Airport Snow Equipment Storage Facility Chantilly, Virginia

Size: 86,000sf
Contract Amount: \$1.9 Million
Completion Date: May 2014

The Shenandoah Building | Roanoke, Virginia **CM@RISK**

Size: 70,638sf
Contract Amount: \$8.2 Million
Completion Date: December 2013

Liberty University Library | Lynchburg, Virginia **CM@RISK**

Size: 200,000sf
Contract Amount: \$48.5 Million
Completion Date: November 2013

Blacksburg High School | Blacksburg, Virginia **DESIGN-BUILD**

Size: 300,000sf
Contract Amount: \$54.4 Million
Completion Date: August 2013

Auburn High School | Riner, Virginia | **DESIGN-BUILD**

Size: 175,000sf
Contract Amount: \$34.7 Million
Completion Date: August 2013

VMI Science Building | Lexington, Virginia | **CM@RISK**

Size: 55,350sf
Contract Amount: \$15.6 Million
Completion Date: August 2013



COMPLETED PROJECTS | 2023 - 2013

The Locks | Richmond, Virginia | CM@RISK

Size: 200,000sf | 175 apartments
Contract Amount: \$18.5 Million
Completion Date: August 2013

Brookland Middle School | Henrico, Virginia

Size: 117,560sf
Contract Amount: \$22.8 Million
Completion Date: July 2013

NVMS Headquarters & QDD Aquatic Facility Manassas, Virginia | DESIGN-BUILD

Size: 44,217sf
Contract Amount: \$5 Million
Completion Date: 2013 (QDD) 2014 (NVMS)

Gaithersburg Millwork Expansion | Warrenton, Virginia

Size: 44,340sf
Contract Amount: \$4.2 Million
Completion Date: 2013

West Ox Road Bus Operations Maintenance Facility Fairfax, Virginia | LEED SILVER

Size: 10,021sf
Contract Amount: \$2.15 Million
Completion Date: 2013

Fairfax County Courthouse Historic Renovation Fairfax, Virginia

Size: 4,169sf
Contract Amount: \$3.1 Million
Completion Date: 2013

Grace Church | Manassas, Virginia | DESIGN-BUILD

Size: 25,000sf
Contract Amount: \$2.8 Million
Completion Date: 2013

N to N Fiber | Manassas, Virginia

Size: 44,217sf
Contract Amount: \$2.3 Million
Completion Date: 2013



Blacksburg High School

BRANCH BUILDS

V. EXPERIENCE (CONTINUED)

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

LANCASTER COUNTY COMBINED MIDDLE/HIGH SCHOOL PPEA | KILMARNOCK, VIRGINIA

Owner: Lancaster County Public Schools
2330 Irvington Road
Weems, VA 22576

Contact: Travis Pittman | 804-462-5100

Architect: VMDO
200 E. Market Street
Charlottesville, VA 22902

Contact: Rob Winstead | 434-296-5684

Contract Amount: \$72 Million

Size: 136,700sf

% Complete: Preconstruction

Project Type: **Design-Bid-Build**

Schedule Completion: December 2025

FAIRFAX COUNTY ADULT DETENTION CENTER, PACKAGES B-F | FAIRFAX, VIRGINIA

Owner: Fairfax County DPWES
Building Design and
Construction Division
12000 Government Center Parkway
Suite 449
Fairfax, VA 22035

Contact: Tim Danforth | 703-324-5133

Email Address: Timothy.Danforth@fairfaxcounty.gov

Architect: Hellmuth, Obata & Kassabaum, P.C.
3223 Grace Street, NW
Washington, DC 20007

Contact: Julie Steele | 202-944-1458

Email Address: julie.steele@hok.com

Contract Amount: \$33 Million

Size: 550,000sf

% Complete: 6%

Project Type: **Design-Bid-Build**

Scheduled Completion: August 2025

ROANOKE COLLEGE SCIENCE COMPLEX | SALEM, VIRGINIA

Owner: Roanoke College
221 College Avenue
Salem, VA 24153

Contact: David Mowen | 540-375-2500

Architect: EYP Architects
1000 Potomac Street NW
Washington, DC 20007

Contact: Elissa Kellett | 202-471-5000

Contract Amount: \$50 Million

Size: 150,000sf

% Complete: Preconstruction

Project Type: **Design-Build**

Scheduled Completion: August 2025

DANVILLE G.L.H. JOHNSON ELEMENTARY SCHOOL PPEA DANVILLE, VIRGINIA

Owner: Danville Public Schools
341 Main St., Suite 100
Danville, VA 24541

Contact: Walter Lucas | 434-799-6400 x254

Architect: Dewberry
551 Piney Forest Road
Danville, VA 24540

Contact: Amanda Schlichting, AIA, NCARB
434-549-8506

Contract Amount: \$39.5 Million

Size: 73,000sf

% Complete: 1%

Project Type: **Design-Build**

Scheduled Completion: June 2025

CARILION ROANOKE MEMORIAL HOSPITAL EXPANSION ROANOKE, VIRGINIA

Owner: Carilion Clinic
213 McClanahan Street
Roanoke, VA 24014

Contact: Martin Misicko | 540-981-8834

Architect: ESa
1033 Demonbreun Street
Nashville, TN 37203

Contact: Sam Burnette | 615-329-9445

Contract Amount: \$400 Million

Size: 895,000sf

% Complete: 34%

Project Type: **CM@Risk**

Scheduled Completion: April 2025

CROSSROADS STATION APARTMENTS, PHASE III FREDERICKSBURG, VIRGINIA

Owner: Crossroads Associates, LLC
101 East Commonwealth Blvd
Martinsville, VA 24115

Contact: Barry Fulcher | 276-656-3250

Architect: Edward H. Winks – James D. Snowa
2119 East Franklin St., Suite 200
Richmond, VA 23223

Contact: Brent Grizzle | 804-643-6196

Contract Amount: \$33.5 Million

Size: 240,000sf
195 Units

% Complete: 12%

Project Type: **Design-Bid-Build**

Scheduled Completion: July 2024



PROJECTS IN PROGRESS

FCPS SCHOOL RENOVATION CAPITAL PROJECT – JAMES WOOD HIGH SCHOOL & INDIAN HOLLOW ELEMENTARY SCHOOL WINCHESTER, VIRGINIA

Owner: Frederick County Public Schools
1415 Amherst Street
Winchester, VA 22601

Contact: Kevin Kenney | 540-662-3888

Architect: RRMM Architects
28 Church Avenue
Roanoke, VA 24011

Contact: Ben Motely | 540-344-1212

Contract Amount: \$74 Million

Size: 317,865sf

% Complete: James Wood HS 22%
Indian Hollow ES 40%

Project Type: **CM@Risk**

Scheduled Completion: May 2024 (IHES) | May 2025 (JWHS)

KING GEORGE COUNTY COURTHOUSE | KING GEORGE, VIRGINIA

Owner: King George County
10459 Courthouse Drive, Suite 201
King George, VA 22485

Contact: Christopher Miller | 540-775-9181

Architect: Moseley Architects
3200 Norfolk Street
Richmond, VA 23230

Contact: Sumita Carpenter, AIA
804-794-7555

Contract Amount: \$27.8 Million

Size: 50,800sf

% Complete: 12%

Project Type: **CM@Risk**

Scheduled Completion: April 2024

SEVEN CORNERS FIRE STATION #28 FALLS CHURCH, VIRGINIA

Owner: Fairfax County DPWES
12000 Government Center Pkwy,
Suite 449
Fairfax, VA 22035

Contact: Marianita Artner | 571-641-5425

Architect: BKV Group
1054 31st Street NW
Canal Square, Suite 410
Washington, DC 20007

Contact: Rodrigo Uribe | 571-594-1040

Contract Amount: \$11 Million

Size: 13,800sf

% Complete: 9%

Project Type: **Design-Build**

Scheduled Completion: April 2024

AUGUSTA HEALTH 3RD FLOOR FIT-OUT FISHERSVILLE, VIRGINIA

Owner: Augusta Health
78 Medical Center Drive
Fishersville, VA 22939

Contact: Alisha Nix | 540-932-4853

Architect: Environment for Health
Architecture (E4H)
14291 Park Meadow Drive, Suite 300
Chantilly, VA 20151

Contact: Kristin Dommer | 888-781-8441

Contract Amount: \$7.7 Million

Size: 24,000sf

% Complete: 15%

Project Type: **Design-Bid-Build**

Scheduled Completion: March 2024

LANCASTER MIDDLE SCHOOL | KILMARNOCK, VIRGINIA

Owner: Lancaster County Public Schools
2330 Irvington Road
Weems, VA 22576

Contact: Travis Pittman | 804-462-5100

Architect: VMDO
200 E. Market Street
Charlottesville, VA 22902

Contact: Bryce Powell, AIA | 434-296-5684

Contract Amount: \$11.9 Million

Size: 73,700sf

% Complete: 52%

Project Type: **Design-Bid-Build**

Scheduled Completion: November 2023

PHILIP A. BOLEN MEMORIAL PARK PHASE-II CONCESSIONS AND RESTROOM FACILITIES | LOUDOUN COUNTY, VIRGINIA

Owner: Loudoun County
Division of Procurement
1 Harrison Street, S.E. | 4th Floor

Contact: Kristy Varda | 571-258-3144

Architect: Stantec
3001 Washington Blvd | Suite 500
Arlington, VA 22201

Contact: Annette McDaniels | 202-471-5000

Contract Amount: \$11 Million

Size: 71,000sf

% Complete: 77%

Project Type: **Design-Bid-Build**

Scheduled Completion: July 2023



PROJECTS IN PROGRESS

1435 TOM'S CREEK APARTMENTS | BLACKSBURG, VIRGINIA

Owner: TC Partnership LLC
15091 Taylors Mill Place
Haymarket, VA 20169
Contact: Shivon Dosky | 571-969-1328
Architect: BSB Design, Inc.
220 North Smith Street, Ste 210
Palatine, IL 60067
Contact: Mike Roach | 847-705-2200
Contract Amount: \$15.5 Million
Size: 97,500sf
% Complete: 86%
Project Type: **CM@Risk**
Scheduled Completion: June 2023

VSU MT CARTER RESEARCH BUILDING PETERSBURG, VIRGINIA

Owner: Virginia State University
2916 Myster Macklin Street; Box
9414
Virginia State University, VA 23806
Contact: Debbie Albert | 804-524-5719
Architect: RRMM Architects
1317 Executive Boulevard, Suite 200
Chesapeake, VA 23320
Contact: Christopher Smith | 757-213-6429
Contract Amount: \$7.8 Million
Size: 14,500sf
% Complete: 99%
Project Type: **CM@Risk**
Scheduled Completion: June 2023



Auburn Middle School



BRANCH BUILDS

V. EXPERIENCE (CONTINUED)

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".*

Please see data sheets on the following pages for:

1. MCPS Christiansburg Multi-Elementary School PPEA
2. MCPS Combined 3-School PPEA
3. Greene County High School/Middle School CM@Risk



CHRISTIANSBURG ELEMENTARY SCHOOLS

3-SCHOOL PPEA

CHRISTIANSBURG, VIRGINIA



Montgomery County Public Schools

OWNER | MONTGOMERY COUNTY PUBLIC SCHOOLS

750 Imperial Street
Christiansburg, VA 24073
Tommy Kranz | 540-382-5100

ARCHITECT | 5 DESIGN, LLC

597 Depot Street
Christiansburg, VA 24073
J.D. Price | 540-230-2619

CONTRACT TYPE | Design-Build

CONTRACT AMOUNT | \$35M

SIZE | 106,978sf

COMPLETION DATE | February 2023

PPEA

Branch was selected as the design-builder through a competitive public-private partnership procurement process on this multi-faceted project that involved the improvements of three separate elementary schools for long-time repeat client, Montgomery County Public Schools. Branch worked in partnership with 5 Design, LLC to design and manage the renovations and additions to existing Christiansburg Primary, Christiansburg Elementary & Belview Elementary Schools. Additions included new classrooms, a new gym, connector corridors, bathrooms, new canopy entrances, parking lots and student drop-off areas. Renovations consisted of classrooms, administration areas (new paint, flooring, casework and storefront), and minor renovation work in existing gyms. The project required Branch to safely and unobtrusively work within, and around, the occupied schools utilizing thoughtfully planned, phased scheduling. Christiansburg Primary work consisted of 22,800sf of additions and 40,500sf of renovations; Christiansburg Elementary School work consisted of 21,250sf of additions and 4,200sf of renovations; Belview Elementary School work consisted of 18,828sf of additions and 2,908sf of renovations.

Value-Added Preconstruction Services | Our preconstruction professionals worked diligently with MCPS and 5 Design, LLC in providing value management services to successfully develop a project that met the needs of each of the three elementary schools while falling within MCPS' strict \$35 million budget.



CHRISTIANSBURG ELEMENTARY SCHOOLS 3-SCHOOL PPEA

Value-Added Preconstruction Services

- Our professionals worked closely with 5 Design and MCPS during the design/preconstruction phase to assist with a redesign of the mechanical systems to better align with the project phasing plan. This resulted in better performance with savings to both the schedule and budget.
- Our professionals also worked closely with 5 Design and MCPS during the design/preconstruction phase to assisted in altering the roof insulation type due to supply chain issues right after the peak of COVID. Roof performance was not affected and neither was the warranty. Our recommended solution allowed for the project to remain on schedule.

Lessons Learned

- We ordered as much material/equipment as possible early in the project given our understanding of COVID-period materials shortages. We were able to secure owner-warehousing close to the project, thus maintaining a steady supply of materials for our team in close proximity to one of the three project sites. As a result, Branch successfully finished each phase early, during a very challenging time in our industry.
- This project once again demonstrated the value of PPEA design-build procurement. We were able to prequalify only the most-experienced and best-suited trade partners, who we knew could adequately staff the three projects and perform to our strict quality and safety standards. Our trade partners executed their work exceptionally and there were no defaults, claims or issues to speak of on any of the three separate school projects.



AUBURN MIDDLE SCHOOL



AUBURN HIGH SCHOOL



BLACKSBURG HIGH SCHOOL



MONTGOMERY COUNTY PUBLIC SCHOOLS PPEA

BLACKSBURG HIGH SCHOOL, AUBURN HIGH SCHOOL, AUBURN MIDDLE SCHOOL



Montgomery County Public Schools

OWNER | MONTGOMERY COUNTY PUBLIC SCHOOLS

200 Junkin Street
Christiansburg, VA 24073
Connie L. Froggatt | 540-818-9340

ARCHITECT | SHW (BLACKSBURG HS)

609 East Market Street, Suite 202
Bill Bradley | 434-295-8200

ARCHITECT | RRMM (AUBURN MS & HS)

28 Church Avenue, SW
Roanoke, VA 24011
Ben Motley | 540-344-1212

CONTRACT TYPE | Design-Build

CONTRACT AMOUNT | \$107.5M

SF | 595,000sf

COMPLETION DATE | December 2014

PPEA

This \$107.5 million PPEA design-build project was a complex, multi-faceted undertaking that involved the design and construction of three separate schools for Montgomery County Public Schools and included two separate design teams. The entire scope of work was procured under a single design-build contract. Blacksburg High School (BHS) is a new 3-story, 300,000sf project that Branch coordinated with our design partners SHW Group, OWPR and Gay & Neel. Auburn High School (AHS) is a new 175,000sf high school project that Branch coordinated with design partners RRMM Architects, OWPR, Stroud Pence and Lawrence Perry & Associates. Due to extreme time constraints, both of these high school projects were constructed on fast-track schedules with partial Guaranteed Maximum Pricing (GMP) breakouts to facilitate early site grading, foundation and structural steel packages.

Both high school projects had similar building design components including brick in contrasting patterns, extensive high-performance glass, sloping metal roofs, energy modeling, dimmable lighting controlled by sensors, light shelves, sloped ceilings, a high performance "energy star" rated 4-pipe HVAC system and siting of the auditorium and gymnasium spaces partially below grade to minimize contrasting articulation. They both included all of the features typical of modern classroom and learning environments as well as new athletic facilities. Overall, both projects were constructed in less than 20 months.

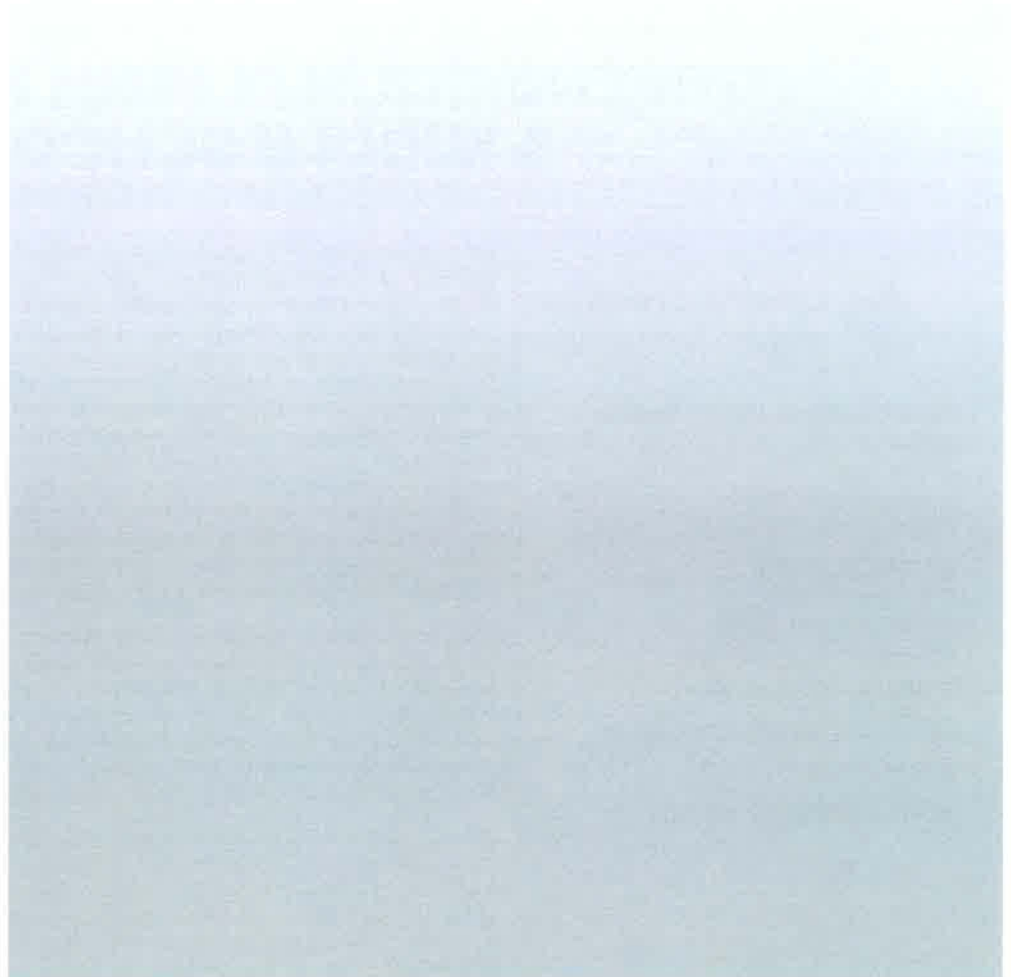
The 120,000sf Auburn Middle School (AMS) project involved the comprehensive renovation of the old Auburn High School into the new middle school. The project captures and re-uses the primary façade and 1953 addition of the former high school while adding in-fills to create a new 120,000sf learning center; specific areas re-used include the auditorium, gymnasium and vocational buildings.



MONTGOMERY COUNTY PUBLIC SCHOOLS PPEA

Value-Added Preconstruction Services & Lessons Learned:

- At the outset of the project, a group of residents who lived adjacent to the BHS project site were extremely vocal about their concerns for the disruption our work would create for their neighborhood. We set up a communications plan that included continually updated information provided to the local community to offer notice of upcoming activities and to manage expectations as well as in-person visits to neighboring homes to provide information and to receive feedback. Our plan worked beautifully and the result was the successful construction of a high-profile project with no issues from adjacent residents during construction.
- On the renovation of the of Auburn High School, our professionals had concerns about the amount of additional abatement that would be required that was uncovered during our initial demo work. Concerned for how this would affect the schedule, Branch worked in partnership with the architect and owner to develop an alternative structure design for critical path of building so the steel subcontractor could erect one section of building while the mason built load bearing walls in another section. Expertise in analyzing project challenges in preconstruction is critical to the success of the project; demonstrated once again on this project.





GREENE COUNTY HIGH SCHOOL & MIDDLE SCHOOL

STANARDSVILLE, VIRGINIA



**Greene County
Public Schools**

**OWNER | GREENE COUNTY PUBLIC
SCHOOLS**

40 Celt Road
Stanardsville, VA 22973
Brian Huber | 540-560-8858

ARCHITECT | VMDO

200 E. Market Street
Charlottesville, VA 22902
Bryce Powell | 434-409-3046

CONTRACT TYPE | CM@Risk

CONTRACT AMOUNT | \$24.2 Million

SIZE | 62,000sf

COMPLETION DATE | July 2019

In partnership with VMDO Architects, Branch Builds, Inc. was selected to serve as the Construction Manager at Risk on this dynamic and challenging campus improvement project for Greene County Public Schools in Stanardsville, Virginia. Located on a single campus, Greene County Public Schools had a primary school, middle school, and high school with insufficient facilities and parking. The project consisted of an occupied, phased renovation and addition to the high school which required Branch to develop a phasing plan in 30 days that allowed for demolition of the middle portion of the high school – to rebuild the library, add a new entrance, add a new commercial kitchen and cafeteria, and add a media center. To accommodate the school, Branch constructed a temporary enclosed walkway between the two sections of the school around the construction area to allow students to access the cafeteria during construction. In addition to the enclosed temporary walkway, Branch provided temporary bathrooms attached to the temporary walkway. Upon completion of the phase 1 segment of construction, Greene County occupied the newly constructed space; Branch demolished the temporary facilities and existing kitchen/cafeteria and constructed new student space.

While construction progressed at the High School, a separate and concurrent construction project at the adjacent Middle School consisted of demolishing the school library in the middle of the school facility and constructing a new entrance and library space as phase 1. Upon completion of phase 1 at the Middle School in April 2019, students and staff occupied this space and Branch took over the existing kitchen and cafeteria to begin a complete remodel of this space between June 2019 and August 2019. Following school closing in June 2019, Branch performed a complete remodel of classroom areas into administrative offices and the old office area into classroom space.

Compounding building construction was a major sitework project to provide a new water line, sewer line, gas line, and add significant parking areas along with relocating the entrance to the school, developing a new bus lane, and providing bus parking. Sitework began in June 2018 with a major milestone of turning over two of five parking areas in August 2018. Utility work consisted of relocating overhead utilities to underground pathways to improve the overall look of the Greene County Campus. Additionally, a new parking area was constructed in an adjacent Town to provide additional parking for the Ruckersville Elementary school.



GREENE COUNTY HIGH SCHOOL & MIDDLE SCHOOL

Value-Added Preconstruction Services

This combined Middle School / High School additions and renovations project was a highly complex, logistically challenging project involving significant renovations and new infill construction on a severely congested shared HS/MS campus. Branch provided extensive preconstruction analysis and planning efforts to create a phasing plan that met the strict scheduling and budgetary requirements of the project. Our exhaustive preconstruction planning led to a perfectly executed project plan, despite the unimaginable logistical obstacles to turn the school over in time for the start of the fall academic semester.

The description on the previous page clearly outlines the complexity of the project and the advanced level of planning Branch undertook as part of our partnering approach on this collaborative CM@Risk project.

Lessons Learned

- This project demonstrated the importance of properly planning and then executing any necessary enabling work during summer months on K-12 projects. Our professionals expertly fast-tracked the utility relocation and associated road work during the summer months, which allowed for the most unobtrusive vehicular traffic logistics once school resumed that fall. This initial work set the stage for all other complicated occupied renovation work to be accomplished according to plan, which ultimately resulted in highly appreciative client and architect partners.
- We once again demonstrated the critical importance of high-level communications when working in occupied, fully operational school facilities. We were able to work with the owner to adjust school-use schedules in shared HS/MS spaces (i.e., lunch periods in shared cafeteria) to allow for work in and around these spaces with no disruption. Our project team executed a communications plan on-site that ensured the continual updating and sharing of upcoming work plans so the school could adjust accordingly or offer feedback that called for an adjustment on our part. The entire team (owner, design team, Branch, our trade partners and vendors, etc...) proved to be the epitome of a high-performing team.



Westmoreland High School



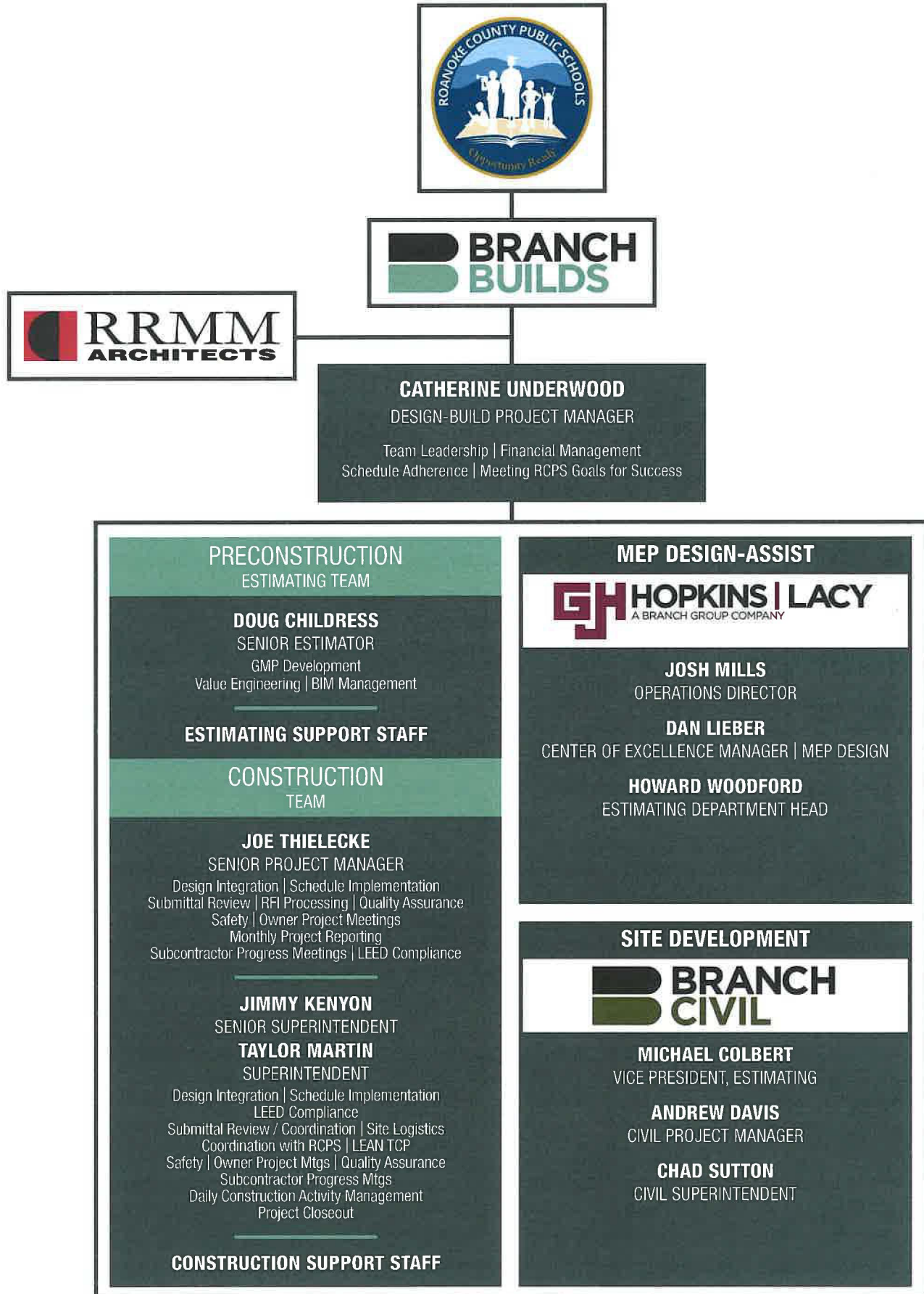
BRANCH BUILDS

V. EXPERIENCE (CONTINUED)

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.*
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. For all key personnel to be assigned to this project, provide as an attachment a resume which includes:*
 - a. *Title (Principal, Project Manager, Superintendent, etc.).*
 - b. *Number of years of experience in the construction industry.*
 - c. *Summary of education, including the name(s) of the institution(s) from which the individual graduated and the year(s) of graduation.*
 - d. *Listing of professional registrations, including registration numbers and dates that the respective registrations were first obtained, per state, along with any certifications relevant to the individual's proposed function on this project.*
 - e. *List of any professional / trade organization affiliations and associations in which the individual actively participates.*
 - f. *Identification of at least three (3) similar or comparable projects on which each proposed key personnel have served in that capacity or positions of similar or comparable responsibility within the last ten (10) years, including at least one of those within the last five years. For these three (3) projects, if the project is NOT a "Firm Representative Project" for which this information was previously provided above, then provide the names, addresses, and phone numbers of the Owner's and Architect's contact person for each that can be contacted to obtain an assessment of the individual's competencies and capabilities for the project.*
6. *Provide additional attachments, as required, in response to any additional agency-specified prequalification criteria provided in the RFQ.*

ORGANIZATIONAL CHART

CONSTRUCTION PHASE





CATHERINE UNDERWOOD, LEED AP DESIGN-BUILD PROJECT MANAGER

EDUCATION

MS, Biological Systems Engineering | 2000
Virginia Tech, Blacksburg, Virginia

BS, Biological Systems Engineering | 1998
Virginia Tech, Blacksburg, Virginia

The Management Institute | 2003
Roanoke College, Salem, Virginia

Leadership Roanoke Valley | 2017

CERTIFICATION

LEED, AP Certification | 2009

23 YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

VWCC New STEM Building

Roanoke Higher Education Center

Frederick County Middle School

Mooreville High School

Stanley Middle School

Frederick Douglass Elementary School

Franklinton High School

Douglas Freeman High School Reno/Addts

Highland Springs High School

Meadowbrook High School

G.H. Moody Middle School

Virginia Tech CRC Integrated Life
Sciences Building

Emory & Henry College

Woodrow W. McGlothlin Center for the Arts

Washington & Lee University, Center
for Global Learning

Pulaski County Middle School

Virginia Tech CRC RB1901

Virginia Tech Rector Field House
Improvements

Virginia Tech CRC Knowledge Works I & II

Virginia Tech New Residence Hall at
Career Services

Virginia Tech Special Purpose Housing

VMI Military South Institute Hill Parking Lot

VMI Military & Leadership Field
Training Grounds

Tecton Products, Inc.

Emory & Henry College of Health Sciences

Virginia Tech Infectious Disease
Research Facility

VMI Science Building Renovation

Catherine Underwood joined Branch Builds in May 2000 after completing her master's degree at Virginia Tech and began her employment as an Estimator. She has worked as a Project Manager and then as a Project Executive where her organizational and problem-solving skills have proven invaluable in bringing projects to successful completion. She has led a variety of projects over her long career using different procurement methods including CM@Risk, Design/Build (including PPEA) and competitive bid. Catherine has successfully managed numerous highly visible, large-magnitude projects ranging in value up to \$107.5 million. She has earned an outstanding reputation for establishing true partnerships with her clients by ensuring that client objectives drive all of Branch's efforts. Having demonstrated over two decades of dedicated client service, analytical expertise, operations leadership, solutions-oriented collaboration and high character, Catherine is responsible for executive-level team leadership on Branch K-12 PPEA projects, which is Cathy's forte and passion.

HIGHLIGHTED PROJECT EXPERIENCE

MONTGOMERY COUNTY PUBLIC SCHOOLS 3-SCHOOL PPEA | MONTGOMERY COUNTY, VIRGINIA

Montgomery County Public Schools
200 Junkin Street
Christiansburg, VA 24073
Connie Froggatt | 540-818-9340

SHW (Blacksburg HS)
Bill Bradley | 434-295-8200
RRMM (Auburn MS & HS)
Ben Motley | 540-344-1212

This \$107.5 million PPEA design-build project was a complex, multi-faceted undertaking that involved the design and construction management of three separate schools for Montgomery County Public Schools. The entire scope of work was procured under a single design-build contract. Blacksburg High School was a new 3-story, 300,000sf high school, Auburn High School was a new 175,000sf high school and Auburn Middle School involved the comprehensive renovation of the historic 120,000sf Auburn High School into the new middle school. The project required extensive preconstruction planning and due to extreme time constraints and the vast site development involved, both of the high school projects were constructed on fast-track schedules with partial Guaranteed Maximum Pricing (GMP) breakouts to facilitate early site grading, foundation and structural steel packages.

CHRISTIANSBURG ELEMENTARY SCHOOLS 3-SCHOOL PPEA | CHRISTIANSBURG, VIRGINIA

Montgomery County Public Schools
750 Imperial Street
Christiansburg, VA 24073
Tommy Kranz | 540-382-5100

5 Design, LLC
597 Depot Street
Christiansburg, VA 24073
J.D. Price | 540-230-2619

Branch was selected as the design-builder through a competitive public-private partnership procurement process on this multi-faceted project that involved the improvements of three separate elementary schools for long-time repeat client, Montgomery County Public Schools. Branch worked in partnership with 5 Design, LLC to design and manage the renovations and additions to existing Christiansburg Primary, Christiansburg Elementary & Belview Elementary Schools. Additions included new classrooms, a new gym, connector corridors, bathrooms, new canopy entrances, parking lots and student drop-off areas. Renovations consisted of classrooms, administration areas and minor renovation work in the existing gyms. The project required Branch to safely and unobtrusively work within, and around, the occupied schools utilizing thoughtfully planned, phased scheduling. Christiansburg Primary work consisted of 22,800sf of additions and 40,500sf of renovations; Christiansburg Elementary School work consisted of 21,250sf of additions and 4,200sf of renovations; Belview Elementary School work consisted of 18,828sf of additions and 2,908sf of renovations.

RIDGEVIEW HIGH SCHOOL, MIDDLE SCHOOL & CAREER CENTER | CLINTWOOD, VIRGINIA

Dickenson County School Board
309 Volunteer Avenue
Clintwood, VA 24228
Haydee Robinson | 276-926-4643

Perkins + Will
1315 Peachtree Street, NE
Atlanta, GA 30309
John Poelker | 404-443-7450

Branch was the successful low bidder on the new \$59.2 million, 285,000sf Ridgeview High School, Middle School, and Career Center project in Clintwood, Virginia. The primary structure contained the high school, middle school, auditorium, and various athletic and arts program spaces, while an additional free-standing structure houses the career education programs. The Ridgeview school consolidated the former Clintwood, Ervinton, and Haysi High Schools and created a new middle school for the County.



DOUG CHILDRESS

PRECONSTRUCTION MANAGER

Doug has over 33 years of experience as a Construction Management at Risk preconstruction estimator. His diverse estimating experience includes a focus on education and healthcare preconstruction services as well as significant industrial, science/laboratory, institutional and commercial projects involving both new construction and additions/renovations. He is skilled in developing estimates at all levels of design and detail from conceptual stage to final construction documents. Doug's strengths include comprehensive value analysis and the development of cost-saving alternative methods, systems and materials options. A gifted communicator, Doug works in partnership with clients and design professionals to maximize the value Branch clients receive for each and every construction dollar budgeted.

EDUCATION

Civil Engineering
Virginia Tech, Blacksburg, Virginia

CERTIFICATIONS & ORGANIZATIONS

ASHE Health Care Construction
Certification (HCC)

33+ YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

Lewis-Gale Medical Center Emergency Room/
Facility Modernization

Lewis-Gale Medical Center EP Cath Lab
Addition & Renovations

Augusta Medical Center Cancer Center

Augusta Medical Center Lifetime
Education Center

Augusta Medical Center Health &
Wellness Center

Lewis-Gale Clinic Dermatology/Orthopaedic Upfit

Carilion Information Systems Facility

Carilion Westlake Medical Center

Dynax America Plant Expansion

Hollins University Wyndham Robertson Library

Hollins University Pleasants Hall Renovation

Mary Baldwin College PEG Residence Hall

Arden Courts Alzheimer's Assisted
Living Facility

Lexington Medical Office Building

Washington & Lee University Science Center

Washington & Lee University Student Commons

Washington & Lee University Law School
Renovations

Cox Communications Office & Broadcast Center,
Phases I & II

WDBJ Channel 7 New Facility

Washington & Lee University Tennis Center

Thomas Alzheimer's Care Facility at Richfield

Mary Baldwin College King Building

R.R. Donnelley & Sons Manufacturing/
Printing Facility

Old Commonwealth of Virginia Building
Renovations

Lucy Addison Aerospace Magnet School

Washington & Lee University Sorority Houses

Augusta County Government Center
ACSA Addition

Roanoke Country Club Renovations & Additions

Patrick Henry High School

HIGHLIGHTED PROJECT EXPERIENCE

CHRISTIANSBURG ELEMENTARY SCHOOLS 3-SCHOOL PPEA | CHRISTIANSBURG, VIRGINIA

Montgomery County Public Schools
750 Imperial Street
Christiansburg, VA 24073
Tommy Kranz | 540-382-5100

5 Design, LLC
597 Depot Street
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DANVILLE G.L.H. JOHNSON ELEMENTARY SCHOOL PPEA | DANVILLE, VIRGINIA

Danville Public Schools
341 Main St., Suite 100
Danville, VA 24541
Walter Lucas | 434-799-6400 x254

Dewberry
551 Piney Forest Road
Danville, VA 24540-3353
Amanda Schlichting | 434-549-8506

Branch was selected in partnership with Dewberry on this highly competitive public-private partnership (PPEA) design-build collaboration. Our team is providing turn-key PPEA design-build services to design and construct this much needed new Elementary School for Danville Public Schools (DPS). The new G.L.H. Johnson Elementary School will be constructed adjacent to DPS' existing Elementary School as a replacement to accommodate a baseline 650-student population. Ongoing operations at the existing campus will be uninterrupted via our phased work plan, which creates a new staff parking area allowing the existing parking to be converted into a safe temporary student drop-off route. This in turn, allows construction to begin on the new school with its planned future drop-off circulation. The new building's 2-story classroom wing follows the contour of the sloping site and provides entry and exit along the upper side with access to outdoor play areas from the lower side. A new cafeteria incorporating an elevated stage and adjacent music room provides views overlooking the media center. The durable masonry-bearing structure uses brick veneer, colorful metal panels, and extensive windows on its exterior, allowing natural light into the interior spaces. The Branch design-build team explored a number of design iterations to respond to the restrictive site, steep grades and challenges of poor bearing soils, subterranean water and limited access as part of our professional PPEA preconstruction services.

CARILION ROANOKE MEMORIAL HOSPITAL EXPANSION | ROANOKE, VIRGINIA

Carilion Clinic
213 McClanahan Street
Roanoke, VA 24014
Martin Misicko | 540-981-8834

ESa
1033 Demonbreun Street
Nashville, TN 37203
Sam Burnette | 615-329-9445

Carilion Clinic selected Robins & Morton/Branch Builds as the Construction Manager at Risk to provide preconstruction planning and construction services for the new campus-wide \$400 million expansion to Roanoke Memorial Hospital in Roanoke, Virginia. The project is being delivered in a collaborative, team environment and includes a new patient tower to care for emergency and heart patients, a new behavioral health hospital across Jefferson Street and a parking garage and pedestrian skyway to connect it all. The contract value of Branch's Joint Venture partnership position is \$130 million.



JOE THIELECKE

SENIOR PROJECT MANAGER

EDUCATION

BS, Finance | 2003
Virginia Tech, Blacksburg, Virginia
Center for European Studies &
Architecture

Finance & Marketing | Spring 2002
Riva San Vitale, Switzerland

University of Lugano
Market Research & Finance | Spring 2002
Lugano, Switzerland

CERTIFICATION

Commonwealth of VA Real Estate
Salesperson License, 2005

Certified Commercial Investment Member
Designation, 2005-Present

14 YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

Blacksburg High School

NC Montgomery Central High School &
CTE Building

Magnolia Green Golf Clubhouse

Gramercy Row Apartments

Roanoke Higher Education Center

Oak Grove Apartments

Caymus Properties Apartments

Chestnut Creek

Fairway Oaks Townhouses

MCPS Bus Garage

Little Italy Restaurant

South Pavilion Escalator Tower

Breckenridge Middle School Add/Reno

Morningside Elementary School Add/Reno

Wythe County Administration Building
Renovation

Joe Thielecke graduated from Virginia Tech's Finance program in 2003 and upon graduation began his career with his family's real estate investment business where he found his niche with commercial construction projects. Joe joined Branch in 2011 as an estimator. He has since been promoted first into project engineering and later into project management roles on highly visible, large-scale construction projects due to his exceptional attention to detail and communication skills. Joe has proven effective in generating consensus on critical, project-shaping solutions and has served Branch well with his client-centric focus. His diverse background and commitment to thoughtful planning and execution have proven invaluable to the success of his projects. His recent experience includes the Washington & Lee Center for Global Learning project as well as the \$36 million Auburn High School and \$19 million Auburn Middle School projects, both of which included CTE facilities and were part of our \$107.5 million PPEA project for Montgomery County Public Schools.

HIGHLIGHTED PROJECT EXPERIENCE

MCPS AUBURN HIGH SCHOOL | RINER, VIRGINIA

Montgomery County Public Schools
200 Junkin Street
Christiansburg, VA 24073
Connie L. Froggatt | 540-818-9340

RRMM
28 Church Avenue, SW
Roanoke, VA 24011
Ben Motley | 540-344-1212

Auburn High School is one of three packaged Design-Build schools (overall value \$107.5M) awarded to Branch Builds, Inc. through a highly competitive PPEA selection process conducted by the Montgomery County School Board. The orientation of the 175,000sf new high school created a strong connection between CTE, sporting, performance and academic areas with the center of the classroom areas designed to provide flexible, technology-rich spaces for student-centered learning. To address the building's character to the adjoining school (former historic Auburn High School) the team chose brick in contrasting patterns, extensive high-performance glass for clerestory and roof monitors and complementing sloping metal and flat roofs. The project was constructed on a fast-track schedule with partial Guaranteed Maximum Pricing (GMP) breakouts to facilitate early site grading, foundation and structural steel packages. Overall, the project was constructed in 20 months.

MCPS AUBURN MIDDLE SCHOOL | RINER, VIRGINIA

Montgomery County Public Schools
200 Junkin Street
Christiansburg, VA 24073
Connie Froggatt | 540-818-9340

RRMM Architects
28 Church Avenue, SW
Roanoke, VA 24011
Ben Motley | 540-344-1212

Auburn Middle School is a 120,000sf Design-Build project Branch and design partners RRMM Architects, OWPR, Stroud & Pence and Lawrence Perry & Associates were awarded via a highly competitive Public Private Partnership selection process. The new Auburn Middle School captures and re-uses the primary façade and 1953 addition of the former high school while creating a new 120,000sf learning center. To address the building's historic character, the new Auburn Middle School segues with the existing structure through use of matching brick, massing, roof shapes and building articulation to complement the original design. Construction incorporates sophisticated energy modeling, new dimmable lighting controlled by sensors, light shelves and a high-performance "energy star" HVAC system which includes both 4-pipe and packaged HVAC units. The project commenced immediately following construction of the new Auburn High School and was constructed on an accelerated fast-track schedule.

WASHINGTON & LEE UNIVERSITY CENTER FOR GLOBAL LEARNING | LEXINGTON, VIRGINIA

Washington & Lee University
190 W. Denny Circle
Lexington, VA 24450
Carole Bailey | 540-458-5313

SMBW
111 Virginia Street, Suite 111
Richmond, VA 23219
Fred Hopkins | 804-233-5343

Branch served as the Construction Manager at Risk for Washington & Lee University's new \$10.6 million Center for Global Learning project, which consisted of partial demolition, renovation and expansion of the existing duPont Hall and a new 19,800sf, 2-story addition. The new Center for Global Learning functions as a central point of "engagement" for W&L and includes curriculum from many different disciplines, common space for informal and formal contact, and flexible office space to adapt to the presence of full departments as well as to provide work space for colleagues and international visitors involved in common projects or research on global issues. The project was situated adjacent to many active campus buildings and therefore required careful safety planning; delicate utility relocation was also involved. This facility serves as a marketplace for thinking and acting on global issues and provides W&L a world-class facility for 21st-century learning.



JIMMY KENYON

SENIOR SUPERINTENDENT

EDUCATION

North Surry High School | 1997

CERTIFICATIONS

OSHA 30-Hour

First Aid | CPR

25 YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

The Vue Apartments

Park 37 Apartments

Emory & Henry College, School of Health Sciences

Franklinton High School

Montgomery Central High School

Pulaski County Middle School

Auburn High School

Virginia Tech Student Athletic Performance Center

Virginia Tech Academic Buildings Renovations

Dudley High School

Southwest Elementary School

Kernersville Middle School

UNCG Alumni House

UNCG Gove Health Center

GTCC Career Technical Center

Blarney Creek Office Building Parking Deck

AEP Appalachian Power Parking Deck

Winston-Salem Joint Firearms Training Facility

Virginia Tech ICTAS Engineering Building

Jimmy Kenyon is a versatile field construction professional with over 25 years of construction industry experience, primarily on highly sophisticated, large-magnitude K-12 and higher education projects. A client-focused and results-oriented field leader, he has established a track record for building consensus among project team members toward the achievement of client objectives. His experience includes developing partnerships and building positive rapport with architects, engineers, vendors and clients while maintaining costs and turning over projects ahead of absolute occupancy deadlines. Jimmy prefers a "hands-on" approach to field supervision and maintains close involvement in coordinating and overseeing subcontractor activities. He has successfully supervised numerous large-magnitude education projects over the course of his career, including the state-of-the-art athletic nutrition dining hall at Virginia Tech.

HIGHLIGHTED PROJECT EXPERIENCE

MONTGOMERY COUNTY PUBLIC SCHOOLS 3-SCHOOL PPEA | MONTGOMERY COUNTY, VIRGINIA

Montgomery County Public Schools
200 Junkin Street
Christiansburg, VA 24073
Connie Froggatt | 540-818-9340

SHW (Blacksburg HS)
Bill Bradley | 434-295-8200
RRMM (Auburn MS & HS)
Ben Motley | 540-344-1212

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CHRISTIANSBURG ELEMENTARY SCHOOLS 3-SCHOOL PPEA | CHRISTIANSBURG, VIRGINIA

Montgomery County Public Schools
750 Imperial Street
Christiansburg, VA 24073
Tommy Kranz | 540-382-5100

5 Design, LLC
597 Depot Street
Christiansburg, VA 24073
J.D. Price | 540-230-2619

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RIDGEVIEW HIGH SCHOOL, MIDDLE SCHOOL & CAREER CENTER | CLINTWOOD, VIRGINIA

Dickenson County School Board
309 Volunteer Avenue
Clintwood, VA 24228
Haydee Robinson | 276-926-4643

Perkins + Will
1315 Peachtree Street, NE
Atlanta, GA 30309
John Poelker | 404-443-7450

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EDUCATION

BS, Business Administration | 2018
Liberty University | Lynchburg, Virginia

CERTIFICATIONS & ORGANIZATIONS

OSHA 30-Hour

First Aid | CPR

The Management Institute | 2017
Roanoke College | Salem, Virginia

10 YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

Radford University Reed & Curie Halls

VA Tech Student Athletic
Performance Center

Belview Elementary Addition/Renovation

MCPS Bus Garage

RCPS PHHS Field House

Deschutes Tasting Room

TAYLOR MARTIN

SUPERINTENDENT

Taylor Martin is a RCPS Burton CAT graduate who has developed into one of Branch's finest Field Superintendents, as illustrated by his track record of success on some of our most sophisticated, highly visible projects. Taylor is a cerebral team leader known for his ability to efficiently analyze and identify value-added solutions in the field. In addition to his partnering spirit and advanced communication skills, he is highly organized and enjoys lending hands-on support whenever required. Taylor is experienced managing projects via collaborative PPEA design-build and CM@Risk delivery. He builds high-performing project teams on these cooperative partnering projects by excelling in directing Branch's Team Centered Planning process, our proprietary LEAN-based management protocol, to ensure precise coordination, efficiency and accountability. Taylor has supervised projects for several of Branch's repeat clients, including Virginia Tech, Roanoke College, Radford University and Montgomery County Public Schools.

HIGHLIGHTED PROJECT EXPERIENCE

CHRISTIANSBURG ELEMENTARY SCHOOLS 3-SCHOOL PPEA | CHRISTIANSBURG, VIRGINIA

Montgomery County Public Schools
750 Imperial Street
Christiansburg, VA 24073
Tommy Kranz | 540-382-5100

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ROANOKE COLLEGE CREGGER CENTER | SALEM, VIRGINIA

Roanoke College
221 College Lane
Salem, VA 24153
Mike Maxey | 540-375-2200

VMDO
200 E. Market Street
Charlottesville, VA 22902
David Oakland | 434-296-5684

The Cregger Center is a new \$39.6 million, 155,000sf state-of-the-art athletic and events facility for our valued repeat client, Roanoke College, located in Salem, Virginia. Branch was hired to provide comprehensive design-build services, which included assisting in the architect selection process as well as providing Branch's professional preconstruction services. The new multi-level center includes a modern performance gymnasium with seating for 2,500, a multi-sport field house with a 200-meter indoor track, event space and seating for 3,500, numerous social spaces, conference rooms, sports administration offices, and recruitment facilities. Also included are cutting-edge Physiology and Kinesiology fitness labs, weight rooms, training rooms, athletic laundry facilities, and ample multi-purpose space. It also houses the college's Athletic Hall of Fame, reflecting the rich tradition of Roanoke College Maroon athletics. As part of this facility, Branch created a new central plant to serve the Cregger Center and two existing buildings on campus. This beautiful new facility is a hallmark of best educational and athletic practices today, intentionally designed to enrich engagement between and among students, student athletes, faculty, and the community at large.

VWCC NEW STEM BUILDING | ROANOKE, VIRGINIA

Virginia Western Community College
Business Science Building | M230
Roanoke, VA 24015
Robert Sandel | 540-857-8922

SFCS
305 South Jefferson Street
Roanoke, VA 24011-2003
Brenda D. Landes | 540-344-6664

Branch was selected over national competition by Virginia Western Community College (VWCC) and the Virginia Community College System to serve as the Construction Manager at Risk on this new \$24 million sciences, technology, engineering and mathematics facility for VWCC in Roanoke, Virginia. Branch provided our professional preconstruction services, including design-stage feedback to reduce costs during the establishment of a Guaranteed Maximum Price (GMP) prior to construction. The new STEM building is a 4-story steel-frame building with an attractive brick and curtain wall exterior. The building has approximately 72,000sf of high-tech academic classrooms, two-tiered lecture, laboratory, and administrative space. It houses engineering and engineering technology programs and includes multiple science, math, computer, electronic, mechatronics and fabrication labs. A unique feature of this facility is a STEM STREAM area that includes a teaching flume, interactive display pool and natural outdoor water environment. Departmental offices, faculty offices and collaborative student study and gathering spaces are located throughout the building. At the completion of the new STEM building, Branch also managed the demolition of Anderson Hall, the old science building that was replaced by this beautiful new collegiate research facility.



JOSH MILLS OPERATIONS DIRECTOR

Josh Mills began his MEP career at Hopkins | Lacy while he was still a full-time student at Virginia Western Community College in Roanoke, Virginia, where he ultimately earned numerous degrees. He started as a plumber's helper and has steadily advanced through the organization, holding positions in estimating, project management and operations management. Josh's experience has touched most all aspects of the mechanical construction environment, across virtually every project sector and market. He offers a detail-oriented approach to complement his insistence on continuous, advanced-level communications. Josh manages major accounts such as the Virginia Tech Corporate Research Center where Hopkins | Lacy is the specified MEP contractor on their complex research/laboratory facilities.

EDUCATION

BS, Engineering Technology, Old Dominion University

AAS, Mechanical Engineering Technology, Virginia Western Community College

AAS, Computer and Electronics Technology, Virginia Western Community College

AAS, Architectural/Civil Engineering Technology, Virginia Western Community College

Emerging Managers Institute (FMI)

Project Manager's Academy Boot Camp (ABC-Virginia Chapter)

Management Institute of Roanoke College

EXPERIENCE

Operations Director of Large Projects
Oct 2022 - Present

Senior Mechanical Project Manager
May 2021 - Oct 2022

Labor Manager
Oct 2017 - Oct 2022

Mechanical Project Manager
Jun 2016 - May 2021

Mechanical Estimator
2009 - 2016

Plumber's Helper
2007 - 2009

HIGHLIGHTED PROJECT EXPERIENCE

VT-VBI Data Center

Hollins University Dana Science Center

VT English Field

Fallon Park Elementary

VTCRC Bldg 1311

VTCRC 1861 Swing/Lab Space

VTCRC 1331

VMI Scott Shipp Hall

VTCRC Block One

VTCRC Moss Building Renovation

NRV Waterworks

**Carilion Rockbridge Community Hospital
Pharmacy Renovation**

VTCRC Intuitive Surgical

VT Johnson Hall Phase 2 Renovations

VTCRC 1600 Swing Space

CRCH OR & Sleep Study

**Breckinridge Middle School HVAC
Replacement**

VTCRC 1715 Intuitive

**Raleigh Court Presbyterian Church HVAC
Reno**

VTCRC CoGro

VTCRC VTOIATI

VT Student Wellness - Facility

VT Student Wellness - Pool Area

VT Student Wellness - Table Tennis

VTCRC Garvin Building

VT Donaldson Brown Ductwork Replacement

Mineral Gap Data Center

VT Football Lounge Renovation

VTCRC NOAA

Galax Behavioral

VT Owens Hall Renovations

VTI CIB Project

VT West End Market Replacement Pumps

VT Dietrick Hall Replacement Pumps

**VT Student Wellness – Underground CHW
Piping**

**VT Peddrew-Yates AHU Replacement and
CHW Piping**



DAN LIEBER

CENTER OF EXCELLENCE MANAGER | MEP DESIGN

Dan Lieber is a professional mechanical engineer with over 20 years of high-end MEP design experience. Holding a Bachelor of Science degree in Mechanical Engineering from VMI, Dan has been designing complex HVAC and plumbing systems for many of the most sophisticated healthcare and education projects in SW Virginia, in addition to state-of-the-art and highly sensitive U.S. Department of Defense projects. Dan is an environmentally conscientious designer possessing a great deal of LEED project experience. He is well respected by his clientele for his extensive knowledge/expertise and his ability to find creative design solutions on the most challenging of projects.

EDUCATION

BS, Mechanical Engineering, Virginia Military Institute

CERTIFICATIONS

Professional Engineer License
Commonwealth of Virginia Certification
Date: 7/2/2009

EXPERIENCE

Center of Excellence Manager
Oct 2022 - Present

Mechanical Engineer / Engineering Leader
Sep 2013 - Oct 2022

Associate / Project Lead/ Engineer III /
Senior Mechanical Engineer
Dec 2010 - Sep 2013

Project Lead / Engineer III / Senior
Mechanical Engineer
May 2010 - Dec 2010

Project Lead / Engineer II
Jun 2004 - Jun 2008

Production Engineer
Feb 2004 - Apr 2004

Applications / Sales Engineer
Jun 2001 - Feb 2004

HIGHLIGHTED PROJECT EXPERIENCE

Carilion Riverside Clinic

Carilion Roanoke Memorial Hospital Consolidation

VTCRC RB 16 Lewis Gale Clinic Major Renovation

VTCRC RB 16 Virginia Tech Occupational Health Assurance Program Major Upfit

VTCRC RB 1901 Intuitive Surgical Major Upfit

Carilion OB & GYN New River Valley Major Renovations

Carilion Giles Community Hospital Energy Study

Carilion New River Valley Medical Center 1st Floor Angiography Alterations

Carilion New River Valley Medical Center Lower Level Biomedical Alterations

Carilion New River Valley Medical Center Entry Level ED Fast Track Alterations

Carilion New River Valley Medical Center ED Residency Renovations

Carilion New River Valley Medical Center EN&T Suite Major Renovations

Carilion New River Valley Medical Center Fitness Center

Carilion New River Valley Medical Center ED Behavioral Health Holding Alteration

Carilion New River Valley Medical Center OB Alterations

Carilion New River Valley Medical Center AHU-21 Replacement

Carilion New River Valley Medical Center ED Alterations for Forensic Exam Area

Carilion New River Valley Medical Center OR Education Space Alterations

Carilion New River Valley Medical Center Dialysis Renovation

Carilion New River Valley Medical Center Cardiology Relocation and Alterations

Carilion Roanoke Community Hospital Exhaust Fans Relocation

Carilion Roanoke Memorial Hospital 6th Floor TEE Room

Carilion Roanoke Memorial Hospital 14th Floor Pharmacy Renovations

Carilion Roanoke Memorial Hospital CT #4 Alterations

Carilion Roanoke Memorial Hospital 2 East Patient Transportation Alterations

Carilion Roanoke Memorial Hospital 6th Floor Hybrid Operating Room

Carilion Wellness Roanoke Locker Room Renovations

Carilion Clinic Blacksburg Sports Medicine and Physical Therapy Upfit

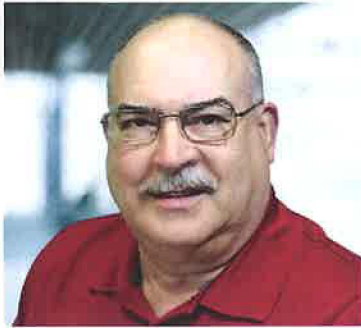
Carilion Clinic FM Clifton Forge Office Major Alterations

Carilion Clinic Urology Christiansburg Major Renovation

Carilion Clinic Community Care Outpatient Major Alterations

Carilion Clinic Cancer Center Chiller Main Replacement

Carilion Franklin Memorial Hospital OR Addition and Pharmacy Renovations



GH **HOWARD WOODFORD** ESTIMATING DEPARTMENT HEAD

Howard Woodford is an MEP industry veteran of over 35 years, having spent much of his career specializing in the electrical field. As one of Hopkins | Lacy's most senior leaders, Howard offers decades of lessons-learned experience across all sectors and delivery approaches. He has served in field supervisory, project management and estimating roles over the course of his career primarily on healthcare, education, industrial or general commercial projects. He is well known for his ability to cultivate long-term working relationships with clients as well as designers, building officials and other industry partners. Howard's expertise with highly sophisticated systems offers clients peace of mind in knowing their complex projects are thoroughly understood, planned and executed.

EXPERIENCE

Estimating Department Head
2013 - Present

Chief Electrical Estimator
2006 - PRESENT

Electrical Project Manager
1993 - 2006

Electrical Estimator
1990 - 1993

Electrical Superintendent
1988 - 1990

HIGHLIGHTED PROJECT EXPERIENCE

Carilion Mountain Pavilion

Carilion Consolidation (South Tower Addition)

Carilion Clinic

Carilion Giles Memorial Hospital

Carilion Franklin Memorial OR Addition

Carilion Crystal Springs Tower

Carilion CEP Co-Gen

CRCH OR Renovation

CRCH Anatomy Lab

Carilion Simulation Lab

Carilion West Electrical Room Relocation

CRMH 2nd Floor ED Relocation

Galax Behavioral Health

Danville SOVAH ER Renovation and Addition

Augusta Medical 3rd Floor Fit-Out

Centra Southside Emergency Electrical System Replacement

Mount Regis Center

United Therapeutics

VTC -- School of Medicine and Research Institute

VTC -- Biomedical Research

VT -- English Field

VT -- Basketball Practice Facility

VT -- Lane Stadium South Endzone

VT -- HABBI

VT -- Student Wellness

VT -- South Chiller Plant

VT -- Marching Virginians Practice Facility

VT -- VBI Data Center

VT -- O'Shag Renovations

VMI -- Scott Shipp Hall

VMI -- Indoor Training Facility

Roanoke College Cregger Center

Radford University CAIC

Emory & Henry Health Sciences

Washington & Lee Center for Global Learning

Washington & Lee Natatorium

VWCC Anderson Hall (STEM)

MCPS Auburn High School

Riverheads High School Central Plant

Henry County Adult Detention Center

Verizon Roanoke Emergency Generator & HVAC Replacement

Vinton OTB

GTI Low Moor Facility



EDUCATION

Construction Management,
University of Texas, El Paso
1990-1992

EMPLOYMENT HISTORY

Vice President, Estimating
Branch Civil, Inc.
2016 - Current

Operations Manager
Branscome - Richmond, Inc.
2012 - 2015

Senior Estimator
Allan Myers, Inc.
2006 - 2012

34 YEARS OF EXPERIENCE

KEY AREAS OF EXPERTISE

- Extensive experience delivering bids on a wide range government, commercial, industrial, and private construction projects
- An in-depth knowledge of the constructability review and value engineering process
- Excellent knowledge of the design-build/alternative delivery procurement process

MICHAEL COLBERT

CIVIL - VICE PRESIDENT, ESTIMATING

Mike is an estimating professional with extensive knowledge of the design-build procurement process. In his current role, Mike manages all preconstruction activities, from discovery through contract execution. He develops and maintains relationships with designers, subcontractors, vendors, and joint venture (JV) partners and leads a team of estimators to deliver quality estimates that exceed customer expectations. He also sets guidelines for and manages the execution of JV estimate collaborations. Mike will lead our team's estimating efforts from start to finish, including developing a bottoms-up, production-based project estimate ensuring appropriate contingencies and assumptions are used to create an accurate project budget based on the project plans, requirements, and specifications of various design milestones. His former roles at Branch include chief estimator and senior estimator.

HIGHLIGHTED PROJECT EXPERIENCE

ROUTE 58 LOVER'S LEAP DESIGN-BUILD | PATRICK COUNTY, VIRGINIA

Role: Pursuit and Estimating Manager

Owner: Virginia Department of Transportation (VDOT)

This \$300M, 7.4-mile portion of US Route 58 presents many challenges, including excavating more than 11M cubic yards of earth, deep drainage structures, and numerous environmental impacts, including more than five miles of streams. Mike worked with the VDOT Salem District's location and design team to develop the conceptual estimate for the project to establish the initial project budget and Guaranteed Maximum Price (GMP). Upon moving to the project development stage of the procurement, Mike led the development of the bottoms-up, production-based estimate that would ultimately result in a negotiated lump sum agreement with VDOT. Throughout this stage, Mike worked with the design team to develop value engineering (VE) concepts and cost analysis upon every design milestone. Additionally, he collaborated with VDOT to develop and implement the open-book pricing methodology that was used by Branch, VDOT, and its Independent Cost Estimator (ICE) to determine Opinions of Probable Construction Costs (OPCCs) for the project's various stages. He facilitated numerous meetings with VDOT and the ICE to compare quantities, means and methods, workforce, and equipment, scheduling, and risk items impacting project cost.

I-95 EXPRESS LANES FREDERICKSBURG EXTENSION DESIGN-BUILD | STAFFORD COUNTY, VIRGINIA

Role: Pursuit and Estimating Manager

Owner: VDOT

This \$400M+ project for Transurban will extend the I-95 Express Lanes approximately 10 miles south of Route 610 (Garrisonville Road) in Stafford County to the vicinity of Route 17 (I-95 Exit 133). The project included seven bridges, several of which impacted environmentally sensitive areas, and two reversible high-occupancy toll lanes and associated tolling gantries built in the existing median of I-95. Mike was responsible for leading all estimating activities for this project, providing constructability reviews, and collaborating with the design team to provide value engineering and schedule-saving opportunities throughout the procurement. He was also integral in the planning process for Early Works Packages during the pursuit of the project.

AUTOZONE DISTRIBUTION CENTER | NEW KENT COUNTY, VIRGINIA

Role: Estimating Manager/Lead Estimator

Owner: AutoZone Texas

This \$34 million, 140-acre site work project will have a 807,000 SF facility that will serve as AutoZone's East Coast distribution operation. Mike oversaw a team of estimators as they pulled together the estimate for the 515,000 CY of excavation, 3 miles of storm drainage, 1.3 miles of sanitary sewer, 2 miles of water and fire line, 100,000 tons of stone base, 2.5 miles of curb and gutter, and associated landscaping, trees, and shrubs. He oversaw the team's efforts to develop a responsive proposal that met the owner's needs and offered value engineering ideas.

HIGHLIGHTED PROJECT EXPERIENCE (Continued)

I-295 FAYETTEVILLE OUTER LOOP DESIGN-BUILD | CUMBERLAND AND ROBESON COUNTY, NORTH CAROLINA

Role: Estimating Manager/Lead Estimator

Owner: North Carolina Department of Transportation

This \$235 million, 6.1-mile project will eventually be part of a 39-mile fully controlled-access highway. Mike was responsible for working with the JV team to develop an efficient design and, ultimately, a successful offer to NCDOT. He collaborated with our JV partner to create a detailed, production-based estimate that included innovative solutions, including using a conveyor system to transport 1.5 million cubic yards of borrow material over I-95 instead of traditional over-the-road trucking methods. This solution allowed the borrow to be moved into position using off-road dump trucks, removing over 150,000 truckloads from public roads and reducing the project's carbon footprint to provide a safer, faster project delivery with minimal impact on the surrounding environment. During construction, NCDOT initiated discussions with the JV to add a planned upgrade to I-95 to our contract to fast-track the project timelines. This additional work was procured using progressive design-build elements. Mike worked with the JV and NCDOT to develop the initial conceptual budget and a detailed cost estimate for the additional scope shared with NCDOT using open-book pricing methodologies.

PROJECT SOLOMON | DANVILLE, VIRGINIA

Role: Estimating Manager/Lead Estimator

Owner: Clayco, Inc.

Mike oversaw a preconstruction and estimating team that delivered an \$8M site work bid on this project for a 325,000 SF facility that included 200,000 CY of excavation, installation of bio-retention basins, 4,000 LF of storm drainage ranging in size from 10 inches to 54 inches, sanitary sewer, waterline, fire line, concrete curb, sidewalk, stone base, asphalt paving, striping, and signs. The project also included a TrueGrid Permeable Paving System.

PATHWAY TRIANGLE | MORRISVILLE, NORTH CAROLINA

Role: Estimating Manager/Lead Estimator

Owner: The Conlan Company

Mike oversaw a preconstruction and estimating team that delivered a \$9.8M estimate/bid for a 33-acre laboratory site. The project included clearing, erosion control, 145,000 CY of excavation, 1.5 miles of storm drainage, 1.5 miles of waterline, 2,000 LF of sanitary sewer, 25,000 tons of aggregates, asphalt paving, curb, sidewalks, and stamped concrete. The project also included a pedestrian bridge and retaining walls.



EDUCATION

MS, Civil Engineering,
Virginia Tech | Currently Pending Receipt

BS, Civil Engineering,
Virginia Tech | 2016

EMPLOYMENT HISTORY

Project Manager
Branch Civil, Inc.
2021 - Current

Assistant Project Manager
Branch Civil, Inc.
2020 - 2021

Project Engineer
Branch Civil, Inc.
2017 - 2021

Engineering Scholar/Materials
Department Technician
Virginia Department of Transportation
2014 - 2017

REGISTRATIONS

Engineer-in-Training | Virginia

9 YEARS OF EXPERIENCE

KEY AREAS OF EXPERTISE

- Extensive project management experience on a wide range government, commercial, industrial, and private construction projects
- Excellent history of the cost management and constructability review process

ANDREW DAVIS, EI

CIVIL - CONSTRUCTION PROJECT MANAGER

Andrew oversees project management on the job level at Branch. His daily responsibilities include project oversight, project delivery, scheduling, bid review, cost management, subcontract management, internal resource scheduling, contract administration, special provision and specification management. He also leads the process for forecasting, submittal and RFI oversight, and design review/coordination. Regionally, he is responsible for managing Branch's West Division through project collaboration, regional relationships with trade partners and owners, project bid review, regional resource collaboration, targeted regional growth and development, and overall regional project knowledge and input.

HIGHLIGHTED PROJECT EXPERIENCE

WESTROCK LANDFILL 5, PHASE 3A/B | COVINGTON, VIRGINIA

Role: Project Manager

Owner: WestRock

Andrew manages this \$4.5 million~ contract to drill, shoot, excavate and grade 430,000 CY for a future landfill expansion. His responsibilities include overall management, drill and shoot planning/coordination, contractor coordination with others in the work area, survey and quantity tracking coordination, owner coordination for potential cost savings or schedule gain through combining this project resources with landfill operations, and plan review and design coordination for next landfill phase construction.

H71 ROUTE 311 CONNECTOR ROAD | PITTSYLVANIA COUNTY, VIRGINIA

Role: Project Manager

Owner: Virginia Department of Transportation

Andrew is the project manager for this \$17.5 million contract with VDOT Lynchburg District for 2.2 miles of new highway connecting US Route 58 to Route 311. The project's scope of services includes the installation of seven box culverts, 200,000 CY earthwork, storm drainage, domestic water, asphalt, and wetland impacts. Andrew's responsibilities include plan review and design change review during startup, cost forecasting, project scheduling, resource scheduling, adhering to all special provisions and specifications, and overall project management to ensure project is on budget and on time.

PROJECT SOLOMON | PITTSYLVANIA COUNTY, VIRGINIA

Role: Project Manager

Owner: Clayco, Inc.

Branch is working as a subcontractor on this approximately \$11 million dollar industrial site work project that includes earthwork, subbase stone, storm drainage, domestic sewer and water, fire water, inside building grading after roof and walls, SWPPP management, deep shoring for waste treatment structures, bioretention ponds, concrete flatwork, retention pond lining, and design review and coordination. Andrew is responsible for overseeing the SWPPP planning and administration, design change review and coordination, work planning and coordination with BIM 360 underground, budget management, schedule management, and overall project management.

TROUTVILLE SAFETY REST AREA | BOTETOURT COUNTY, VIRGINIA

Role: Project Manager

Owner: Virginia Department of Transportation

This \$4.5 million contract for the VDOT Salem District included improvements to the existing rest area along I-81. The scope of work included earthwork, grading, storm drainage, stone subbase, asphalt, storm pipe rehabilitation, concrete flatwork, concrete barrier wall, guardrail and lighting. Andrew was responsible for plan review and design change review during startup, cost forecasting, project scheduling, resource scheduling, adhering to all special provisions and specifications, subcontractor management, DBE compliance management, and overall project management to ensure that the project was delivered to VDOT on budget and on time.



ANDREW DAVIS, EI

CIVIL - CONSTRUCTION PROJECT MANAGER

HIGHLIGHTED PROJECT EXPERIENCE (Continued)

JAMESTOWN PARKWAY | GUILFORD COUNTY, NORTH CAROLINA

Role: Project Manager

Owner: North Carolina Department of Transportation

Andrew was the project manager for this \$81 million contract value that consisted of approximately five miles of four-lane highway, seven bridges with drilled shafts, 750,000 CY of cut/fill, 500,000 CY of rock blasting/excavation, 250,000 CY of borrow, and 35,000 LF of piping. His responsibilities included daily coordination and assistance to the superintendent and foremen, contract implementation, plan review, specification review, budget adjustments, scheduling, cost analysis and forecasting, quantity tracking and verification, material certifications, redesign and redesign submittals, major change order design and pricing. This project was recognized as one of Road and Bridges Magazine's 2022's Top 10 Roads in the US.

I-74/NC 68 INTERCHANGE IMPROVEMENTS | GUILFORD COUNTY, NORTH CAROLINA

Role: Project Manager

Owner: North Carolina Department of Transportation

This \$32 million contract consists of interchange improvements and reconfiguration, widening of I-74 and NC 68, bridge widening and rehabilitation, storm drainage, domestic water and sewer, sound barrier wall, signalization, and concrete flatwork. Andrew's responsibilities include daily coordination and assistance to the superintendent and foremen, contract implementation, plan review, specification review, budget adjustments, scheduling, cost analysis and forecasting, quantity tracking and verification, material certifications, redesign and redesign submittals, major change order design and pricing.

WESTROCK LANDFILL OPERATIONS | COVINGTON, VIRGINIA

Role: Project Manager

Owner: WestRock

Andrew is the project manager for this \$4 million~per year operate-and-maintain contract. His responsibilities include project management and owner coordination roles, excavation plans and rock/boring analysis, ABA shale sampling, landfill strength testing via boring, estimation for small excavation/construction bids, yearly budgets and costs, certifications, contract negotiations and monthly survey.



CHAD SUTTON

CIVIL - CONSTRUCTION SUPERINTENDENT

In his current role at Branch, Chad is responsible for the overall success of projects, including meeting the schedule, controlling costs, and managing manpower and equipment on assigned projects. He provides continuous hands-on field supervision of all construction operations, including subcontractors and other construction-related personnel.

HIGHLIGHTED PROJECT EXPERIENCE

H71 ROUTE 311 CONNECTOR ROAD | PITTSYLVANIA COUNTY, VIRGINIA

Role: Superintendent

Owner: Virginia Department of Transportation

Chad is the superintendent for this \$17.5 million contract with VDOT Lynchburg District for 2.2 miles of new highway connecting US Route 58 to Route 311. Chad maintained the project schedule and oversaw the project's workforce, equipment utilization, and scheduling subs, and the overall project budget.

TROUTVILLE SAFETY REST AREA | BOTETOURT COUNTY, VIRGINIA

Role: Superintendent

Owner: Virginia Department of Transportation

This \$4.5 million contract for the VDOT Salem District included improvements to the existing rest area along I-81. The scope of work included earthwork, grading, storm drainage, stone subbase, asphalt, storm pipe rehabilitation, concrete flatwork, concrete barrier wall, guardrail and lighting. Chad maintained the project schedule, staffing, equipment utilization, scheduling sub and monitored costs compared to budget.

I-81 WIDENING MM 141 TO 143 | ROANOKE COUNTY, VIRGINIA

Role: Superintendent

Owner: Virginia Department of Transportation

This \$29 million contract for the VDOT Salem District added an additional lane to both northbound and southbound of I-81 from Exit 141 to 143. The scope of services included the installation of 42,000 SF of sound barrier wall, moving of 110,000 CY of dirt, and placing of 60,000 tons of asphalt. Chad maintained the project schedule and oversaw the project's workforce, equipment utilization, scheduling subs, and the overall project budget.

PULASKI MIDDLE SCHOOL EARLY GRADING PACKAGE | PULASKI, VIRGINIA

Role: Project Manager

Owner: Pulaski County Schools

This \$3.6 million contract included blasting for mass excavation, blasting for sewer line installation, earthwork, and utilities. The project was rough-graded for a future football field while building out soccer, baseball, and softball fields. As the project manager, Chad worked closely with the superintendent and project staff to ensure overall direction, completion, and financial outcome. He oversaw the allocation of resources to ensure a safe, timely, and quality project while meeting all project goals. He was also the project's primary contact with owner's representative(s), subcontractors, suppliers, and other company departments/personnel and pursues exemplary business relationships with same.

EMPLOYMENT HISTORY

Superintendent
Branch Civil, Inc.
2020 - Current

Project Manager
Branch Civil, Inc.
2018 - 2020

Project Engineer
Branch Civil, Inc.
2012 - 2020

11 YEARS OF EXPERIENCE

KEY AREAS OF EXPERTISE

- Extensive construction management/supervision experience
- Excellent history of delivering construction projects ahead of schedule and on budget



Ridgeview High School



**BRANCH
BUILDS**

VII. SMALL BUSINESS PARTICIPATION ON PREVIOUS PROJECTS



BRANCH SWaM PROGRAM



Branch is committed to maximizing participation of Small, Woman-Owned or Minority-Owned trade contractors on our projects and we regularly exceed SWaM participation goals. We utilize a number of internal processes, improved over many years, to help successfully meet client goals.

Our means and methods include:

- A Branch database of SWaM registered subcontractors
- Commonwealth of Virginia's "Minority Contractor's Registry"
- Blue Book, "Minority Contractors" section
- Small Business Administration's "National Directory of Women-Owned Construction Firms"
- City of Richmond Office of Minority Business Development's list of minority registered firms

In addition to the above, Branch has developed an outreach/partnering program where we will, under certain conditions, extend special terms, including:

- Waive bonding.
- Accelerate payment(s).
- Initiate two-party checks where credit has not been established, or purchase materials directly.
- Compel our large subcontract partners to contract prescribed percentages from SWaM suppliers or sub-tier subcontractors.
- Place print ads in local and larger metropolitan areas to announce opportunities for minority, women-owned and small business enterprises.
- Send electronic invitations to Branch's database of SWaM contractors.
- Conduct SWaM "open house" meetings to describe project requirements and encourage participation.

Most of Branch's projects that promote SWaM participation (with or without goal requirements) involve our substantial higher education program. Branch has partnered with many of the Commonwealth's most prestigious universities in the past to maximize SWaM participation on our projects. The following graphic illustrates our recent success:

PAST PROJECT SUCCESS

VA Tech Torgerson Hall Bridge Restoration	Blacksburg, VA	86%
JMU Madison Hall Sky Bridge	Harrisonburg, VA	72%
VMI Science Building Renovations	Lexington, VA	42%
VMI Military & Leadership Field Training Grounds	Lexington, VA	45%
VA Tech West End Market Renovation	Blacksburg, VA	52%
VA Tech Infectious Disease Research Facility (IDRF)	Blacksburg, VA	42%
Radford University Fine Arts	Radford, VA	53%

**BUILDING LEGACIES
FOR A THRIVING FUTURE**

RELATIONSHIPS ■ EXCEPTIONALISM ■ OWNERSHIP



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.

Branch Builds, Inc.

By: Name of Signer

Jason Hoyle

Signature

Title:

President

Date:

June 8, 2023

Notary:

State of:

Virginia

County/City of:

Roanoke

Subscribed and sworn to before me this 8th day of June 2023

Notary Public Signature

My commission expires:

December 31, 2024

Notary Seal:





RCPS New CTE Center & Elementary Schools Improvements

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
LIST A MAXIMUM OF 3 PROJECTS ON THIS FORM; THESE 3 PROJECTS SHOULD BE THE SAME 3 PROJECTS LISTED IN THE RFQ, PARA VI.3 (EXPERIENCE) OF THE CO-16 THAT BEST DEMONSTRATE YOUR FIRM'S RELEVANT QUALIFICATIONS. Provide the project's name, location, and function (i.e.: office/admin, higher education instructional, etc).	Provide your firm's role in this project (i.e.: CM, prime/GC, or sub).	Enter CM for Construction Management at Risk, D-B for Design-Build, D-B-B for Design-Bid-Build, or other appropriate description.	FOR CM@RISK ONLY: Were preconstruction services provided? (Enter YES or NO or N/A if not CM.)	Provide the size in SF (new and/or renovated) and # parking spaces in a deck (if any).	Succinctly describe how the referenced project is similar/relevant to our project.	Enter % construction complete. if complete, identify the original substantial completion date (at contract award); the actual substantial completion date (at owner acceptance); the number of months late or early, and the % late or early. If not yet completed, enter the required contract completion date.	Enter original contract value (GMP for CM) at award; current or final (at owner acceptance) contract value; \$ growth; % growth; and total number of change orders.	Enter the number and value of all NON-OWNER requested change orders, disputes or claims.	Provide the names of any key personnel for our project who ALSO participated in the firm's referenced project. At a minimum, key personnel must include Project Manager, Superintendent, and Preconstruction Services Manager(CM@RISK ONLY). Provide the role and the # of months they participated on this firm representative project.
Project 1: MCPS 3-School PPEA, Montgomery County, Virginia; Large-scale, multi-building preconstruction & construction services project across 3 separate sites.	CM	D-B (PPEA)	YES	600,000+/- SF (new & renov)	Highly complex, multi-school PPEA project involving 3 separate school projects on 3 separate sites. Our CM preconstruction services were utilized to develop a plan for 2 new high schools and a renovated historic high school into a new middle school. Extremely challenging fast-track schedule with absolute occupancy deadlines. Required high-level team communications and coordination across the three project sites. Included science and research labs, CTE engineering facilities and historic renovation components.	100% complete. November 2014; November 2014; On-Schedule.	\$110M; \$107.5M; -\$2.5M; 0% growth; Delivered \$2.5M under GMP.	0	Cathy Underwood (Design-Build Project Manager; 30 months); Joe Thielecke (Project Manager; 30 months); Jimmy Kenyon (Superintendent; 30 months)
Project 2: MCPS Christiansburg 3-Elementary School Renovations PPEA, Montgomery County, Virginia; 3 separate occupied elementary school renovation projects in 1 PPEA contract.	CM	D-B (PPEA)	YES	106,978 SF (renov)	Complex PPEA design-build project involving significant phased renovations to to three separate occupied elementary school facilities on three separate project sites. Required high-level team communications and coordination across the three project sites with a high focus on project sequencing to ensure the safety of the young children, teachers, staff and visitors throughout construction.	100% complete. February 2023; February 2023; On-Schedule.	\$35M; \$32.7M; -\$2.3M; 0% growth; Delivered \$2.3M under budget.	0	Cathy Underwood (Design-Build Project Manager; 32 months); Doug Childress (Sr. Estimator; 8 months); Joe Thielecke (Project Manage; 20 months) Jimmy Kenyon (Sr./Gen. Superintendent; 32 months)
Project 3: Pulaski Middle School, Pulaski, Virginia; new K-12 school in Southwest Virginia designed and built by our exact proposed team.	GC	D-B-B	N/A	168,989 SF (new)	High-profile Southwest Virginia K-12 school project that involved all three Branch Divisions: Branch Builds, Branch Civil and Hopkins Lacy. Likewise, RRRMM was our A/E partner on the project and we utilized the same project management professionals as our proposed RCPS team.	100% complete. August 2020; August 2020; On-Schedule.	\$37.1M; \$32.5M; -\$4.6M; 0% growth; Owner-purchased items reduced contract.	0	Cathy Underwood (Project Executive; 24 months); Doug Childress (Sr. Estimator; 3 months); Jimmy Kenyon (Sr./Gen. Superintendent; 24 months)

SEE DATA REQUIRED AT MULTIPLE TABS!!



RCPS New CTE Center & Elementary Schools Improvements

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
List those key/critical personnel who will participate ON OUR PROJECT. At a minimum, the following key personnel must be listed on this form: Project Manager, Superintendent, and Preconstruction Services Manager(CM at Risk ONLY). ALSO, include the number of months that this individual will be expected to spend ON OUR PROJECT AND the percentage of time he/she will devote to our project during this window.	For each key person, provide their corresponding MOST relevant projects. (A MAXIMUM OF 3)	Provide role and # months in that role.	enter CM for construction management at risk, D-B for design build, D-B-B for design bid build, or other appropriate description.	Provide the size in sf (new and/or renovated) and # parking spaces in a deck (if any).	Succinctly describe how the referenced project is similar/relevant to our project.	Enter % construction complete. if complete, identify the original substantial completion date (at contract award); the actual substantial completion date (at owner acceptance); the number of months late (or early), and the % late (or early). If not yet completed, enter the required contract completion date.	Enter original contract value(GMP for CM) at award; current or final (at owner acceptance) contract value; \$ growth; % growth; and total number of change orders.	Enter the number and value of all NON-OWNER requested change orders, disputes or claims.
Cathy Underwood (Project Executive); 34 months	Firm Representative Projects 1, 2 & 3 (SEE DATA AT PRIOR SHEET)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Doug Childress (Preconstruction Manager); 12 months	Firm Representative Projects 2 and 3 (SEE DATA AT PRIOR SHEET)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	GLH Johnson Elementary School PPEA	Preconstruction Manager, 12 months	D-B	73,000 SF (new)	This project, procured through the exact same PPEA process proposed, solved Danville's long overdue need for an improved elementary school. Branch was selected in the summer of 2022 to manage this PPEA design-build project and after quiding the owner through the design/preconstrcution phase, construction commenced in June of 2023. This project represents another successful PPEA preconstruction process where a transformation school project was once again developed, and in the face of severe industry/supply volatilitiy at the time.	1% complete. June 2025; June 2025; Just Commenced; On-Schedule.	\$39.5M; \$39.5M; 0% growth; 0 change orders. Just Commenced.	0
Joe Thielecke (Sr. Project Manager); 34 months	Firm Representative Projects 1 and 2 (SEE DATA AT PRIOR SHEET)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Washington & Lee University Center for Global Learning	Project Manager, 26 months	CM	33,000 SF (new & renov)	Complex comprehensive, multi-phased addition and renovations to historic educational building. Included state-of-the-art upgrades to modernize the learning environments and assembly areas as well as building systems and technology modernization. Collaborative partnering project involving preconstruction and construction services delivery.	100% complete. March 2016; March 2016; On-Schedule.	\$9.9M; \$10.6M; \$700K; 7% growth; 5 change orders (all owner initiated - added IT scope, site work and re-roofing of existing building after GMP).	0
Jimmy Kenyon (Sr./Gen. Superintendent); 34 months	Firm Representative Projects 1, 2 and 3 (SEE DATA AT PRIOR SHEET)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

