UNC GREENSBORO
Board *of* Trustees

Meeting of the Full Board
September 29, 2022

Action Item

BOT-2 Designer Selection: Sullivan Science Building – Teaching Greenhouse Repairs

Background Information
The Greenhouse has not been performing up to full functionality and no longer maintains temperature and humidity parameters for effective teaching use. A study identified fundamental problems and provided recommendations, including a complete replacement of the HVAC system (2 AHUs, Fin Tube Radiators, Humidification System, Controls), the Motorized Shade System, and Intumescent Paint. The scope of the project is to complete this renovation work.

The University of North Carolina System website advertised the request for qualifications and letters of interest for design services for this project. Five (5) firms submitted letters of interest, of which one (1) design firm was from Guilford County.

The Designer Selection Committee reviewed the letters of interest and invited three (3) firms to an interview on September 15, 2022, to present their qualifications and recommend the following in ranking order.

1. Devita
2. Palma
3. Biloba

The firm Devita is an MEP Engineering firm and is recommended as the Designer for the following reasons:

1. Devita provided the most comprehensive answers to the selection criteria questions. They presented the complete team to tackle the specific challenges of this specialized project, including a HUB protege firm and a third-party cost estimator.
2. The design team illustrated the most sensitivity to cost and schedule challenges and detailed the most thorough approach to risk mitigation in today's volatile market.
3. Devita demonstrated the most interest and excitement in sustainability, energy conservation, conditioning, and control issues specific to our Greenhouse. They presented ideas most aligned with the selection committee's vision for the project.

Attachment: See Devita Letter of Interest below.

Requested Action

Based on the above information, that the Board of Trustees of the University of North Carolina at Greensboro approve the firm of Devita and authorize the administration to negotiate terms with the other firms in ranking order if agreeable terms with Devita cannot be met.

Robert J. Shea, Jr.
Vice Chancellor for Finance *and*
Administration

UNCG

Sullivan Science Building
Teaching Greenhouse Repairs
August 17, 2022

DEVITA

in association with

SGA | NW

a GF design company

and

Watlington Engineering, PLLC

A HUB/WMBE Mentor/Protégé Program participant

Atlanta | Charlotte | Durham | Greenville | Richmond

TAB 1

INFORMATION SHEET

DEVITA

THE UNIVERSITY of NORTH CAROLINA
GREENSBORO

Information Sheet

Firm Name	DeVita & Associates, Inc.

☐ HUB Certified — If HUB, Specify Type: ☐ Female ☐ Disabled ☐ American Indian ☐ Asian-American ☐ Hispanic ☐ Black ☐ Socially & Economically Disadvantaged

Point of Contact	Michael Rogers, PE, LEED AP, HFDP	E-mail Address	mrogers@devitainc.com
Street Address	205 Regency Executive Park Drive, Suite 315		
City	Charlotte	State / Zip Code	NC / 28217
County	Mecklenburg		
Phone #	980.312.5305	Fax #	864.242.4878
Type of Firm (e.g. Architectural, Civil Engineering, Surveying, Etc)	MEP/FP Engineering		

Consulting Firms

Architectural:	SGA NW a GF Design Company	☐ Check If HUB	Mechanical:	Watlington Engineering, PLLC	☒ Check If HUB
Electrical:		☐ Check If HUB	Plumbing:		☐ Check If HUB
Structural:		☐ Check If HUB	Civil:		☐ Check If HUB
Landscape:		☐ Check If HUB	Interior Design:		☐ Check If HUB
Other (specify type):		☐ Check If HUB			
Other (specify type):		☐ Check If HUB			

TAB 2

LETTER OF INTEREST

DEVITA

DEVITA
Engineering Great Ideas

August 17, 2022

Bill Chatfield, PE
UNC Greensboro Facilities Design & Construction
Gray Home Management House
105 Gray Drive
Greensboro, NC 27412

RE: Sullivan Science Building - Teaching Greenhouse Repairs
Solicitation #287-19-21594-01

Mr. Chatfield,

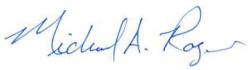
Thank you for this opportunity to provide our qualifications for engineering services for the above-referenced solicitation. We have had the privilege of providing MEP Professional Services on numerous public projects across North Carolina including UNCG. We are proud to say we have completed over 200 State Construction Office projects including 60+ LEED projects over the past 15 years. We have provided MEP renovations for numerous clients including architects and directly for facility/building owners as well.

We believe your project needs align perfectly with our project team's expertise and experience. DEVITA's staff are well-versed in designing, analyzing, and developing cost-effective mechanical engineering solutions to meet the Owner's budget. We provide life-cycle analysis to satisfy initial low-cost, energy efficient long-term operational cost and reliability requirements. We also understand the great importance of ensuring your staff and operations are minimally disrupted during mechanical and electrical equipment replacement projects.

DeVita & Associates, Inc. (DEVITA) is a professional MEP/FP and structural design, engineering, commissioning, and energy consulting firm, consisting of fifty-seven (57) professionals, and licensed in the State of North Carolina. DEVITA was founded in 1984 and has been employee-owned (through an Employee Stock Ownership Plan) since 2008. We are proud of our record of low employee turnover and of our diverse group of employee-owners. We strive to ensure that our team reflects the diversity of the communities we serve. We are proposing in association with Watlington Engineering, PLLC, a mechanical engineering HUB/MWBE firm, based out of Charlotte. In addition to our HUB participation commitment throughout design, our team will continue to perform outreach to HUB contractors and suppliers during the bidding phase to help meet your specific construction participation goals. We are also teamed with SGA NW, a GF design company, to take care of all architectural details and specifications.

I will personally oversee this service offering with the full support of all our MEP/FP engineers. We have the manpower and financial strength to properly execute your project. We look forward to being considered as your engineer of choice.

Best Regards,
DeVita & Associates, Inc.



Michael A. Rogers, PE, LEED AP, HFDP
Principal
205 Regency Executive Park Drive, Suite 315
Charlotte, NC 28217
Office Direct: 980.312.5305 / mrogers@devitainc.com

TAB 3
PROJECT TEAM
ORGANIZATION CHART

DEVITA

3.1 ADEQUATE STAFF AND PROPOSED DESIGN OR CONSULTANT TEAM AND THEIR RELEVANT PROJECT EXPERIENCE

Michael Rogers, PE, LEED AP, HFDP, Chief Mechanical Engineer
Education: Clemson University - BS Mechanical Engineering and MS Mechanical Engineering
Michael has over 30+ years of experience in mechanical, energy, and plumbing engineering and is a licensed PE in 12 states (including NC). As Chief Mechanical Engineer, Michael is responsible for the mechanical and plumbing work produced for DEVITA. His experience includes college and university campuses such as NCCU, ECU, GTCC, UNC Pembroke, UNC Charlotte, FSU, ECSU, and UNC Chapel Hill, with multiple assignments at each of these locations. Michael is adept at providing demand side load management controls for HVAC systems, life cycle cost analysis, and functional testing. He utilizes BlueBeam, Revit, AutoCAD, Trane Trace, Carrier HAP, NewForma, and Procore software. **Michael will be the Principal and Mechanical Engineer of Record for your project.**

Kim Wooten, PE, LEED AP, Principal
Education: The Johns Hopkins University – BS Electrical Engineering
Kim has 37+ years of experience in electrical and energy engineering, the past 17 years with DEVITA. She is licensed as a PE in NC, SC, and VA. She is the recipient of numerous energy, power, and lighting design awards and has designed engineering systems for over 200 NC public projects and 60 LEED projects. Kim currently serves on the North Carolina Building Code Council Standing Committees for Electrical, Energy and Fire Prevention Engineering, and she serves as the Chair of the Electrical Ad Hoc Committee and the Chair of the Energy Ad Hoc Committee. **Kim has worked on all of the projects included on our list of public higher education projects at the end of Section 4, including UNCG, and in our SF 330 Section F. Kim will be the Electrical Engineer of Record for your project.**

Jonathan S. Rhoads, PE
Education: Florida State University – BS Electrical Engineering
Jonathan has over four years of experience and is a licensed PE **i**n North Carolina. Jonathan is experienced on numerous electrical design service projects for college and university campuses in North Carolina at NCCU, UNCG, and UNC, to name a few. He performs detailed field investigations to gather existing conditions information. He designs replacement fire alarm systems, utility power distribution systems, generator additions and replacements, elevator modernizations, lighting efficiency upgrades, and upgraded electrical services for many project types, while meeting current North Carolina Building Code and SCO Guidelines. **Jonathan will be the Electrical Designer for your project**

Ryan A. Gray, PE
Education: University of South Carolina – BS Electrical Engineering
Ryan brings 14 years of electrical design engineering experience, all with DEVITA. Ryan designs fire alarm systems, electrical service, lighting, power distribution, and low voltage. His experience includes working on open-end design service agreements for NCCU, UNC and UNCG, to name a few, plus publicly funded projects such as JJ Henderson Housing Center MEP Renovations, Astor Dowdy Towers, Elm Towers and Hendersonville High School Additions and Renovations. He performs load calculations, sizes generators, does lighting photometrics, provides calculations for voltage drop, short circuit and arc-flash studies. He performs energy calculations for efficient designs including IECC, ASHRAE, California Title 24, Florida State Energy Conservation Code, LEED, and Energy Star. Ryan works closely with mechanical department team members to fully coordinate MEP designs. He also works closely with local authorities, jurisdictions, and power companies to ensure all projects are code compliant and meet all local requirements. **Ryan will be the Quality Control / Peer Reviewer on your project.**

Daniel Clauser, EIT, Mechanical Designer

Education: Bob Jones University - BS Mechanical Engineering

Daniel is a mechanical designer with three years of experience, all with DEVITA. Daniel participates in facility assessments, design engineering, and is accomplished in Revit, AutoCAD, Trace 700, Trace 3D, and energy modeling. He performs extensive field surveys, working to create design solutions in tight spaces in existing buildings. His designs address issues of phasing and installation challenges within existing buildings, and his detailed field investigations documented on the construction drawings helps owners avoid costly delays and change orders during the construction process. Some of Daniel's more recent NC publicly funded projects include Hendersonville High School Campus Renovations & Additions, Elizabeth City State University Jenkins Science, Williams Hall, University Towers, Viking Tower Renovations, JJ Henderson Housing Center MEP Renovations, Lenoir County Administrative Office HVAC Renovations and NCCU Stadium Locker Room HVAC Renovation. **Daniel will be the Mechanical Designer for your project.**

Shaneka Murphy

Education: Mount Olive College – BS College of Education
Fayetteville Technical Community College – A.A.S. Architecture Technology and A.A.S. Building Construction

Shaneka is a mechanical designer at DEVITA. In addition to her Associates Degree, Shaneka holds a certificate from FTCC in Green/Sustainable Architecture. Shaneka will assist Daniel Clauser with mechanical design and will participate in the field investigation process.

Keith F. Mattison, PE

Education: Clemson University - BS Mechanical Engineering

Keith is a Sr. Mechanical Engineer with 38 years of experience, the past nine years with DEVITA. Keith is a licensed mechanical PE in 23 states (including NC). His ability to coordinate mechanical solutions with BAS control systems and electrical systems provides great efficiency in producing a fully coordinated set of plans and specifications for his clients. Keith has worked on numerous mechanical replacement and installation projects such Tri-County Technical College, Veterans Affairs Clinic, Greenville Hospital System. Some of his recent NC publicly funded projects include five (5) Elizabeth City State University mechanical and controls upgrades projects**. Keith will be the Mechanical Quality Control / Peer Reviewer on your project.**

Derk Beutler, FPET, CPD and ARCSA AP, Sr. Plumbing & Fire Protection Designer

Education: South Broward Community College – Design Engineering
Central Piedmont Community College – Fire Protection Technologies

Derk has 35+ years of experience, 12 with DEVITA, and is a Certified Plumbing Designer, Licensed Sprinkler Contractor in NC, and Certified Engineering Technician in Fire Protection Systems. Derk's experience in contracting enables him to fully understand the existing field conditions and how to best repair, modify or replace them. He can easily trouble shoot issues for corrective action. Derk has provided services on the majority of the NC public higher education projects on the list at the end of Section 4. We understand the majority of this scope is mechanical and electrical, but it is a value-added benefit to have the in-house expertise of any coordination that may be required from the fire protection/sprinkler/plumbing perspective. **Derk will be the Sr. Fire Protection/Plumbing Designer on your project.**

Debra Chez, LEED GA, Project Coordinator

Education: University of Illinois – BS Civil Engineering

Debra has 40+ years in the Construction Management industry and supports DEVITA's North Carolina operation on all their projects. She coordinates, schedules, and tracks the design and construction progress. She works with the design team to review and track resource allocations to meet commitments and deadlines. After design completion, she facilitates the document control process with the client, contractors, architect and public agencies by complying with proper document distribution, protocols, and deadlines. This includes shop drawings, submittals, RFI's, OEC/OAC meetings, and close out documents such as O&M's, As-Builts, Record Drawings, warrantees, final pay applications, affidavits and all required documentation by plans and specs. **Debra will be the Project Coordinator for your project.**

DEVITA is proposing a strategic mentor/protégé partnership with Ms. Victoria Watlington, PE, PMP. Victoria is the owner of two HUB/MWBE companies: Watlington Engineering, PLLC and Watlington Construction, LLC, both organized in 2021. She serves along with DEVITA's participation on the North Carolina Building Code Council.

Victoria Watlington, PE, PMP, Mechanical Engineer Participant in DEVITA's Mentor/Protégé Program
Education: University of Florida – BS Mechanical Engineering
University North Carolina Charlotte - MS Engineering Management
Victoria organized Watlington Engineering, PLCC and Watlington Construction, LLC in 2021, in the engineering design and construction industry. Her previous experience included manufacturing engineering and project management. DEVITA and Ms. Watlington were recently awarded the Guilford County Schools Commissioning contract for the Brooks Elementary School in Greensboro.

DEVITA recognizes that it is good business to work with HUB/MWBE firms. We firmly believe it affords us a competitive advantage to look like our customers and to look like our communities. By establishing a relationship with Watlington Engineering, DEVITA's staff of highly skilled individuals will train her and provide valuable project experience, as she develops skills and competencies in a professional and nurturing environment. Our program approach includes Victoria as part of our mechanical engineering team. She will shadow on-site field investigations, surveys of the existing systems, and learn from observation and instruction by our staff. As a result of her participation through the design process and construction activities, she be qualified to offer her own independent services. Victoria is excited about this opportunity to be included on our team for this project. Our vision of successful mentoring is for Watlington Engineering be widely recognized as a firm of engineering excellence.

"If you give a man (or woman) a fish, you feed him (or her) for a day. If you teach a man (or woman) to fish, you feed him (or her) for a lifetime."

In addition to providing HUB/MWBE support on our proposed design team, DEVITA commits to encourage, promote, and manage HUB/MWBE participation on the construction side. We accomplish this by calling on HUB/MWBE firms to solicit their involvement, extend an invitation to HUB/MWBE contractors and suppliers, and follow up during the bid period and during construction to make sure the commitments to HUB/MWBE participation are met.

We are including Victoria's resume at the end of this section, as opposed to including it in the SF 330, as the format represents her overall professional work experience as of this point in time.

SGA/NW a GF design company, Charlotte, NC
DEVITA is submitting this proposal in association with SGA/NW a GF design company who are fully prepared to provide architectural details and specifications as required by the impact of the mechanical, electrical, and motorized shade system work. This would be architectural detailing for replacements and repairs to ceilings, flooring, paint, wall penetrations. In addition, we look to them for the intumescent paint design and specifications.

Douglas Burns, AIA
Education: Kent State University – BA Architecture
Washington University – MA Architecture/Urban Planning and MA Social Work
Doug has 47 years of experience and is a registered architect in six states including NC. His experience includes a large number of higher education projects across NC. He shares a rich history doing projects with DEVITA's proposed Principal and Mechanical Engineer, Michael Rogers. Together they will seamlessly and successfully deliver all A/E services required on these building projects. **Doug will be the Principal Architect for your project.**

Mark Sealey, AIA, LEED AP
Education: Pitt Technical Institute - AS Architectural Technology
UNC Charlotte – BA Architecture
Mark has 33 years of experience and is a registered architect in three states including NC. His experience includes numerous higher education facility projects across NC. He is currently working on projects for UNC Wilmington and NC AT&T State University. **Mark will be the Project Manager for your project.**

Added Value with In-House Structural Engineering:
DEVITA offers in-house structural engineering, enabling coordination as may be required for mechanical and/or electrical equipment, including pad design (based on structural loading), new penetration sizes and location limitations on the roof or on floor slabs, based on existing building structure, and other potential impacts of equipment and piping renovations on the existing utilities, buildings and sitework. DEVITA's 57-person staff includes mechanical, electrical, fire protection, plumbing and structural professional engineers and designers.

Victoria Watlington PE, PMP — Mentor/Protege

Victoria Watlington, PE, PMP
Mentor / Protégé — Mechanical Engineer

Education:
University of Florida
BS Mechanical Engineering
UNC Charlotte
Masters Engineering Management

Professional Licenses/Accreditations:
Professional Engineer NC and SC, Mechanical Engineering
Project Management Professional (PMP)
Licensed Building Contractor, North Carolina

LEAN Six Sigma Black Belt

WORK EXPERIENCE:

Watlington Engineering, PLLC, Charlotte, NC 2021 Certified NC HUB / MBE

Watlington Construction, LLC, Charlotte, NC 2021 Certified NC HUB / MBE

The Coca Cola Company, Charlotte, NC 2018-present
Regional Service Operations Manager, Mid-Atlantic (2018)

- Led cross-functional team of sales support, IT, and PMs to build SP capacity map tool and framework for improved project scheduling and management (impact: reduction in dry runs, OT, AIC effort hours; improvement in customer service)
- Leads joint business planning and performance management program with service providers to include SLA analysis, identification of opportunity areas, corrective action plans, and fields audits (54 SPs across five state region)
- Supports the planning and execution of innovation (equipment, parts, tools) with provider network (conduct assessment, support activation and training, issue resolution)

Sealed Air Corporation, Charlotte, NC, 2016-2018
Program Manager, Senior Mechanical Project Engineer (2016-2018)

- Led $10MM global cross-functional development program for mailer product line [manufacturing cost opportunity analysis and scope development, raw material sourcing, product/process/package development and manufacturing/equipment.
- Helped develop $1B global supply chain strategy analysis for mailer product line as Technology Workstream leader on director-level cross functional team. Specific tasks included market study, volume forecasting, capacity analysis, brownfield/greenfield site selection, supplier analysis, manufacturing footprint/capital & operating cost, logistics/distribution channels & freight cost, and hiring/separation costs.
- Led scope development for $8.5MM capacity increase project to procure and install broadbream cross-linking equipment . Considerations included facility upgrades, structural addition, and converting equipment.
- Led three additional capital projects (total $2.6MM) to upgrade and install manufacturing equipment in North American plants

Procter & Gamble, various locations, 2008-2016

- Engineering Project Manager, Technology Leader (2013-2016)
- Manufacturing Project Leader, Duracell Quantum & Project Engineer, CAVS (2013)
- Operating Department Leader, GNATs (2012)
- Site IWS Continuous Improvement Manager (2011-2012) & Operating Department Leader, Testing (2011-2012)
- Process Engineer, Cell Assembly & Testing Value Streams (2009-2011)
- Project Engineer Intern (2008)

COMMUNITY LEADERSHIP EXPERIENCE:

City of Charlotte, Charlotte, NC 2019-present
City Council Member, District 3 Representative
North Carolina Building Code Council (2019-present)
Delta Sigma Theta Sorority, Incorporated (2018-present)
CharlotteWorks Board
Discovery Place Board

AWARDS:

Charlotte Business Journal 40 Under 40 (2019)
Mecklenburg Times 50 Most Influential Women (2019)
UNCC Alumni Association Outstanding Young Alumna (2019)
Elevate Lifestyle Future Leaders of Charlotte 30 Under 30 (2018)
Pride Magazine Outstanding Millennial (2018)
Charlotte Chamber Young Professionals Business Leader - Large Enterprise (2017)

TAB 4

RELEVANT EXPERIENCE

DEVITA

4.1 SPECIALIZED OR APPROPRIATE EXPERTISE IN THE TYPE OF PROJECT

DEVITA has an extensive list of North Carolina public higher-education renovation projects. We have included this list at the end of this Section 4 and highlighted some of these projects in our SF-330 Section 6. We are excited to share that we recently completed design and bidding for five (5) HVAC renovation projects for Elizabeth City State University (ECSU), currently in construction. We are also currently designing three (3) HVAC renovation projects for Lenoir County, including their Administrative Office Building, the 1932 and 1982 Courthouse Building, and the Pink Hill Gymnasium, two of which require detailed construction phasing. DEVITA's HVAC renovation project expertise assists our clients in navigating the challenging logistics of phased construction in occupied buildings.

HVAC and electrical renovation design are two of DEVITA's core business markets. Our typical HVAC projects include replacement of air handling units, fan coil units, dedicated outside air units, VAV boxes, cooling towers, chillers, piping, ductwork, and Building Automation Systems (BAS). Our typical electrical projects include lighting upgrades for efficiency, daylighting, arc flash studies and typical power and distribution renovations. We will provide the engineering excellence and project management skills to execute your proposed repairs on time and on budget. The following examples are representative of our typical HVAC/Controls Renovation projects. With owner input, we design for the lowest total cost of ownership, addressing sustainability, energy efficiency, and ease of maintenance.

A. Elizabeth City State University – Multiple Building HVAC and Controls Upgrade Projects
DEVITA initially performed the HVAC and BAS design and engineering services for four buildings on campus. The projects included the University Towers Residence Hall HVAC, New BAS, and New Chiller Replacement; Viking Towers Residence Hall BAS Replacement; Williams Hall HVAC and BAS Renovation; and the Jenkins Science Hall HVAC and BAS Replacement. Our detailed field surveys drove our designs for cost-effective and energy efficient solutions and to minimize downtime. We provided probable cost estimates, project manuals, drawings, HVAC and electrical drawings, and specifications for bidding. Projects are now moving to the construction phase. Total Construction Cost: $2,400,000.

Viking Towers

University Towers

Jenkins Science Hall

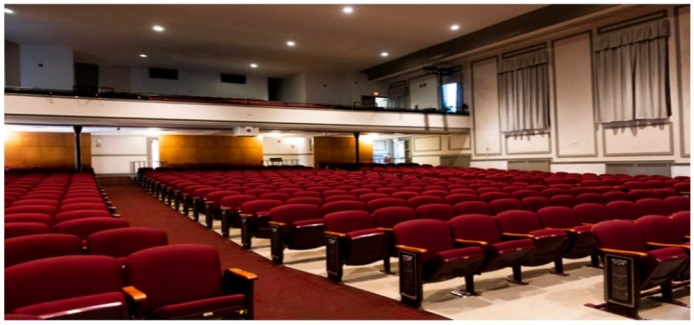
Williams Hall

With these projects underway, DEVITA was asked to study HVAC problems at the University Suites building. Through our site investigations, we determined that the bathroom fans ran continuously, the ductwork was undersized, there was insufficient air conditioning in the corridors, and most importantly, that the building pressure was negative, creating excessive humidity in the building. After providing our study, the University released DEVITA to design the remediation. Once constructed, our solution of new dedicated outdoor air (DOAS) units will create positive pressure in the building and condition the corridors and other public areas for thermal comfort. Total Construction Cost: $600,000.

University Suites

B. North Carolina Central University – BN Duke Auditorium HVAC and Controls Upgrade Projects

DEVITA provided design and engineering services for the HVAC replacement of the historic BN Duke Auditorium Building. The facility houses a large auditorium, performance stage, music room, and band room. This complex project required multiple site visits to work out removal and installation details for the proposed new units. With detailed field surveys, including structural, DEVITA designed new HVAC systems which will address NCCU's performance needs and energy goals. The building is constantly occupied for performances and practices, and DEVITA will be working closely with the Owner and the contractor for construction access and phasing of the replacement units. This project is ready for bidding. Projected Cost $490,000.



BN Duke Auditorium

C. Lenoir County – Administrative Office Building, 1932/1982 Courthouse Building, and Pink Hill Gym

DEVITA is currently developing phased construction plans for the Administrative Office Building and Courthouse. The Administrative Building will have a Variable Refrigerant Flow (VRF) system with a new DOAS, starting with the upper floor and moving to the lower floor. This allows us to maintain the existing HVAC units in place as the new units are installed.

For the two Courthouse Buildings, new air handling units and new outdoor chillers will be installed in phases to serve the courtrooms, magistrate, jail, and office areas. The new DOAS systems will be ducted in part through existing chases that we discovered during our surveys of the 1932 historic building. The 1982 Courtrooms will have a new catwalk system installed above the ceilings in the corridors for safe access to VAV boxes outside the high-ceilinged courtrooms. HVAC systems will be modular with new energy efficient chillers, air handling units, and DOAS units to provide the lowest total cost of ownership for the county. Phasing is critical to the success of these projects and our thorough planning will help minimize downtime and allow courts to be open. Energy efficiency is a high priority for the county. HVAC renovations will also include a new BAS and create a backbone for a county wide BAS. The buildings will be occupied during the renovations, requiring construction and occupancy phasing.

DEVITA recommended packaged outdoor air handling units for conditioning the Pink Hill Gymnasium. A simple BAS system will communicate with the overall BAS system that is being designed for the Administrative Office Building and Courthouse renovation projects. New envelope improvements are part of the project.

Administrative Office Building

Courthouse

Pink Hill Gymnasium

4.2 PAST PERFORMANCE ON SIMILAR PROJECTS TO SULLIVAN SCIENCE BUILDING – TEACHING GREENHOUSE REPAIRS

Repeat clients represent 95% of our business. This statistic is testimony to our engineering performance. We strive for engineering excellence and best in class service to all our clients. Our 38 years of continued growth comes from our unique dedication to client service – during design, throughout construction, and going above and beyond client expectations. For example, we have been working at the UNCC, NCCU and UNC Chapel Hill Campuses since 2006, and at UNC Greensboro since 2014. Our other clients have been with us for many years.

DEVITA performed energy analysis and retrofit design for Metrolina Greenhouses, a 4.4 million sf (100 Acre) heated greenhouse project in Huntersville, NC. This is one of the largest single-site greenhouse in the United States and is one of the most automated greenhouses in the country. Hot water generated from a natural gas boiler plant is distributed through piping under the greenhouse floor. This radiant heat is the most effective in a greenhouse environment. The building was retrofitted with energy saving solar curtains, resulting in an estimated savings of over $6,651,320 over ten years.

DEVITA provided MEP/FP assessment, engineering and design services for the Discovery Place science and technology museum in Charlotte, NC. It remained open during the renovation and is now filled with interactive exhibits that engage people in the wonder of science. Highlights included air handling unit and chiller replacements throughout the museum exhibit spaces and new HVAC systems in new dining rooms, offices, and meeting rooms, new backup chiller for aquarium, rainforest HVAC modification for better control of humidity and temperature for the animals and plants, animal housing renovations, and new building automation system.

DEVITA has provided MEP/FP professional assessment, design and engineering services for a number of hospitals and healthcare providers. These projects require careful attention to specifications for temperature controls in surgery suites and laboratories. Some past clients include: McLeod Hospital, Morehead Mem. Hospital, MRMC Bon Secours, NE Medical Center (now Atrium), and CaroMont Reg. Medical Center, to name a few.

Viewmont Surgery Center

St. Francis Hospital

Below are several project managers we are currently working with at North Carolina Central University and Elizabeth City State University. Feel free to reach out to them as client references for our performance.

Jamaal Fuller,	**NCCU**	**(919) 530-5212**	**jfuller24@nccu.edu**
Tim Williams,	**NCCU**	**(919) 530-6824**	**tjwilliams@nccu.edu**
Melanie Baker,	**ECSU**	**(252) 335-3791**	**mmbaker@ecsu.edu**

4.3 CURRENT WORKLOAD AND STATE PROJECTS AWARDED

DEVITA is proud that our current workload (currently valued at over $7 million annually) continues to be stable in these very unusual times and circumstances. We do not, however, take this for granted. We work hard to continue to maintain a backlog of work to support our company and its highly valued clients. We are confident that if DEVITA is fortunate enough to be awarded your project, we have sufficient in-house capacity and financial strength to properly execute the services required.
The following is our current workload for our North Carolina offices on State Projects:

ECSU University Towers Renovation, Elizabeth City (In Construction)
ECSU Viking Towers Renovation, Elizabeth City (In Construction)
ECSU Williams Hall Renovation, Elizabeth City (In Construction)
ECSU Jenkins Science Renovation, Elizabeth City (In Construction)
ECSU University Suites Renovation, Elizabeth City (In Construction)
NCCU Farrison Newton Theater Renovation, Durham (In Construction)
NCCU Walker Gymnasium Generator Addition, Durham (Bidding)
NCCU Boiler Plant Renovation, Durham (Bidding)
NCCU Stadium Locker Room Renovation, Durham (Bidding)
NCCU Photovoltaic Study, Durham (In Final Design)
NCCU Hubbard Totten Elevator Modernization, Durham (In Design)
NCCU Site Lighting Parking Lots and Street Upgrades Four Campus Locations, Durham (In Design)
NCCU Student Union Post Office Renovation, Durham (In Design)
NCCU BN Duke Auditorium, Durham (In Design)
NCCU Campus Wide Generator Study/Survey - Eight Buildings, Durham (In Study Phase)
UNC Provost South Building (In Design)

4.4 PROPOSED DESIGN APPROACH FOR THE PROJECT INCLUDING DESIGN TEAM AND CONSULTANTS

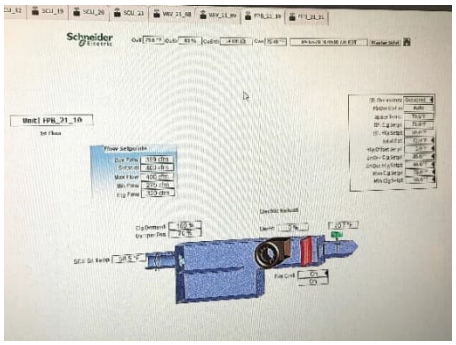
DEVITA's design approach will embrace UNC Greensboro's (UNCG) vision for its project goals to meet your budget, deliver quality engineering, and meet your schedule. Our approach is practical and collaborative.

We will help you make the best decisions for lowest cost and highest energy efficiency design.

SITE VISIT/SURVEY AND REPORT

We believe the single most important first step in renovation projects is for our team of engineers and architects to perform detailed field investigations to fully understand existing conditions and constraints. Through our surveys, we determine what may be salvageable or what may be re-useable for the most cost-effective approach. Although in many buildings there may be little to salvage, it is our goal to avoid any unnecessary cost to the Owner and minimize waste sent to landfills. We will determine what areas outside the renovation will be affected, develop plans to minimize/avoid outages, and determine how to best connect to existing systems. These factors are especially important for HVAC equipment and controls projects in existing buildings. This is an important component of our successful track record of low change orders (less than 3% on our challenging renovation projects where not all cases can be completely visualized during surveys).

- Identify deficiencies and condition of existing controls and HVAC equipment.
- Investigate energy conservation measures for all buildings.
- Determine optimal controls (BAS) equipment to integrate UNCG system and remove old controls.



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ASSESSMENT OF EXISTING SYSTEMS & CONDITIONS

Once we have completed the initial site visit, we will provide a preliminary design evaluation combining our findings with data from any existing drawings that can be provided by UNCG stakeholders. Our design recommendations will also be based on any UNCG preferences for design and equipment / material selection. At this stage we will also begin the discussion of the overall project schedule, including the sequencing of phased occupancy during construction.

COST ESTIMATION

- We will provide a probable cost estimate at the SD (Schematic Design), DD (Design Development), and CD (Construction Documents) major design milestones. The comparison of these cost estimates to the UNCG budget may drive the need for including alternates in bid packages. Potential savings may be realized during the competitive bid process.
- We will provide project life-cycle cost analysis at each major design milestone to assist in equipment selection and in finalizing design decisions.

DEVITA's design approach begins with understanding your goals for the project(s) to help you make the best decisions for the facility. We will gather data, survey the existing facility infrastructure, and discuss the results with your staff. Our design recommendations will be based on your directives for design, equipment, and material selection to match your project objectives. Early in the design process, we will provide you with options, including probable costs, based on life-cycle cost analysis. This information will help ensure that the project design aligns with your scope and stays within your budget.

We will produce schematic narratives and design development plans followed by construction documents. DEVITA has teamed with SGA NW Architects who are capable of providing plans and specs for repairing/replacing finishes such as paint, flooring, and ceiling tile, which may be impacted as a result of our scope of work. We also have in house structural engineering to quickly assist in roof loading, pad design, and other work items affecting the existing structure, as may be required.

PROJECT BIDDING, CONTRACT NEGOTIATIONS AND AWARD

- Perform outreach to HUB contractors and suppliers during the bidding phase, aligned with UNCG priorities and goals.
- Coordinate, advertise, attend, conduct and document Pre-Bid walk through meetings with potential bidders.
- Provide Addenda in response to questions during the bid period.
- Review bids, recommend award, and assist in contract preparation in full coordination, transparency, and approval from UNCG project stakeholders.
- Coordinate, schedule, attend, conduct and document Pre-Award meetings.
- Coordinate, schedule, attend, conduct and document Pre- Construction meetings.
- Engage in maximizing contractor and supplier participation for achieving HUB goals.

4.5 RECENT EXPERIENCE WITH PROJECT COSTS AND SCHEDULES (including projects most similar to Sullivan Science Building – Teaching Greenhouse Repairs

DEVITA's higher education new construction project change orders are primarily the result of Owner Scope Changes. Even with these, our experience is this rate typically falls below 1%. On renovation projects, such as this, most change orders are the result of unforeseen conditions, and renovation change orders are usually less than 3%. Many of our recent projects at NCCU, where we have worked since 2006, have resulted in ZERO change orders.

To assist in managing the budget and mitigating potential cost overruns, we recommend the utilization of alternates for the Owner's consideration. When alternates are clearly defined in the bid documents, the Owner can take advantage of pricing provided during the competitive bidding process.

DEVITA recognizes that the momentum of any project depends on meeting design milestone dates. Losing time at the onset of a project results in lost efficiency and potential increases in construction costs. DEVITA's project coordinator assists with the internal process of meeting design deadlines as well as tracking the project through the construction phase for submittal reviews, RFI's, performance testing, punch lists, and timely project close-out. The project coordinator assigns and tracks responsible parties with posted deadlines on the office calendars. Deliverables are diligently reviewed several times a week to ensure staff availability and performance. Our management processes are designed to ensure that projects are delivered on schedule.

The construction industry has been hard hit by the COVID virus and subsequent supply chain challenges. We are seeing high variability in pricing and longer delivery times for major mechanical, electrical, and controls equipment. We will track manufacturing delivery times and strategize our specifications and submittal reviews to help ensure on time deliveries. **One recommendation we have implemented on other projects is to issue a pre-purchase equipment package prior to issuing installation documents to procure long lead items.**

4.6 CONSTRUCTION ADMINISTRATION CAPABILITES

- Assist in the permitting process.
- Attend and document OAC meetings.
- Follow up during construction to assist in meeting your HUB/WMBE participation goals.
- Timely review of shop drawings, submittals and RFI's.
- Review contractor PCO's, proposals and Change Order requests for extra work.
- Review and approve contractor monthly applications for payment of work in place.
- Perform the punch list and final inspections.
- Provide site visit status reports with observations and photos.
- Provide visual inspections for compliance with design intent and specifications. Any noncompliance issues and/or work deficiencies will be noted.
- Perform witness testing of mechanical and electrical systems.
- Provide 11-month post occupancy walk through and performance verification for a final warranty check before the one-year period is up, to ensure that equipment and systems are still functioning as intended.

- Perform functional testing of the installed systems, to verify controls and equipment are functioning as intended and per the contract documents. Two examples of this include:
    1. During functional testing of a BAS renovation at Montgomery Community College, it was observed that the BAS contractor had incorrectly set up the schedule for building warmup, costing the College thousands of dollars of wasted energy. DEVITA caught the error and the contractor reimbursed the College nearly $10,000 for the needless expense.
    2. During the testing of the North Hills 4 Office Tower building, the BAS contractor had incorrectly set up the outside air quantities, starving the building of outside air. DEVITA discovered the error and the controls vendor corrected the outside air to the proper setting.

BOTTOM LINE: WE CHECK EVERYTHING! (And we do not stop until it is done right!)

PROJECT CLOSE OUT

- Collect all close out documents such as contractor affidavits, warranties, guarantees, O&M manuals, training, receipt of attic stock, punch list completion, contractor final application for payment, sales tax report, HUB participation, surety consent if applicable, lien waivers, contractor directory, UL certifications as applicable, and final SCO and Owner acceptance.
- Provide RECORD DRAWINGS from contractor furnished As-Builts.
- Utilizes field verification forms for special systems checks.
- Perform off season testing and inspections.
- Develop a maintenance strategy and schedule for UNCG project stakeholders and contractors to follow for all new installations. This will ensure compliance with manufacturer's warranties to minimize unnecessary out of pocket expenses for repairs.

4.7 PROXIMITY TO AND FAMILIARITY WITH THE AREA WHERE PROJECT IS LOCATED

DEVITA has offices in Charlotte and Durham, both conveniently located to serve your campus. We have worked for UNCG on multiple past campus building projects such as the Curry Building Fire Alarm Replacement project and the Gove Student Health Center Generator Addition project. We recently were awarded a Guilford County Schools assignment for commissioning Brooks Academy (with our named proposed TEAM member, Watlington Engineering, PLLC), and recently completed the Guilford County Emergency Services Facility Project. We are familiar with the local area, regulatory jurisdictions, utilities, and contractors in the community and believe that is another added advantage. DEVITA also currently holds an MEP open end service contract with UNCG which we remain hopeful that it will generate additional opportunities to work together.

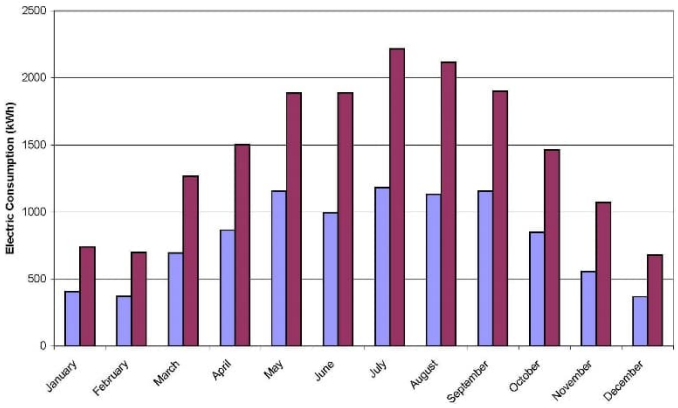
4.8 RECORD OF SUCCESSFULLY COMPLETED PROJECTS WITHOUT MAJOR LEGAL OR TECHNICAL PROBLEMS

DEVITA is proud to state that for the last 38 years, we have served our higher education clients without litigation or major disputes. When issues arise on projects, from time to time, we respond quickly with an appropriate and equitable engineering solution that will not result as a financial burden to our clients.

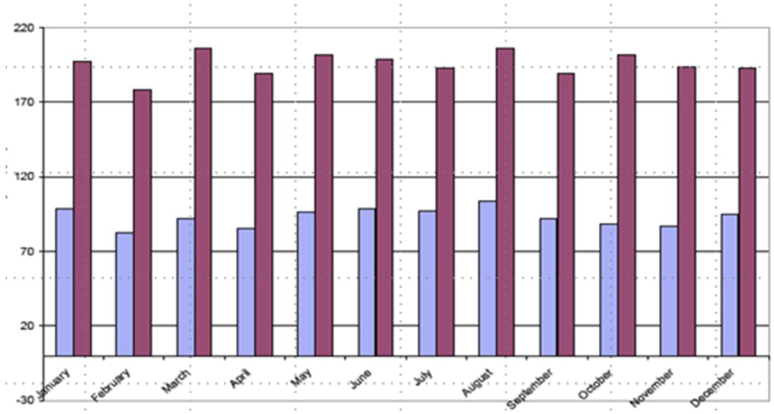
4.9 ENERGY CONSERVATION / LEED EXPERIENCE

DEVITA is proud to have a list of over 60 LEED projects in our portfolio. One of our principals, and proposed Electrical Engineer of Record for your projects, Kim Wooten, is a Standing Member on the North Carolina Building Code Council (NCBCC) and serves as Chair for the Energy Ad Hoc Committee, writing the new NC Energy Code which will be based on the IECC 2021. She, along with the rest of our proposed team, will assist in providing the team with the most cost effective and highly energy efficient mechanical/electrical design solutions for lowest total ownership costs on your projects. These histograms represent some of our HVAC design results vs. ASHRAE baseline regarding energy consumption – baseline in red, our system in blue.

Variable Refrigerant Flow Energy Model for /Ashley Hall



Geothermal Heat Pump Energy Model for Ashley Hall

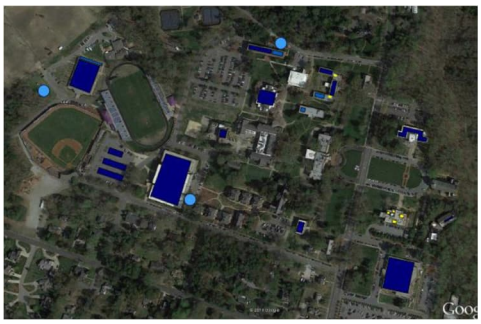


An example of sustainable building performance design was our work for Catawba College, Salisbury. As part of the Catawba College 2030 Green Step Initiative, DEVITA conducted preliminary assessments, detailed analysis, construction documents and construction administration for sustainable systems for the campus, inlcuding:

- Solar Water Heating in four Residential Halls
- Water Reduction Initiatives in 57 campus buildings
- Web Based Green Monitoring System
- Photovoltaic Systems consisting of 900 KW total
- Daylighting
- Energy Efficient HVAC systems

Additional Energy Efficiency Improvements included the following measures:

- **Abernethy Physical Education Center**: New DOAS unit, pipe insulation for heating hot water inside mechanical room, domestic solar hot water on roof and inside mechanical room.
- **Barger-Zartman Residence Hall:** Controls for domestic hot water recirculation pump, domestic hot water pipe insulation within mechanical room, replace heating hot water boiler with a high efficiency unit, new HVAC system with DOAS.
- **Haynes Field House:** Insulate heating hot water piping at heat exchanger.
- **Stanback Residence Hall:** Insulate domestic and heating hot water system, replace water source heat pumps, replace domestic water boiler and storage tanks.
- **Woodson Residence Hall:** Replace ¾ ton water source heat pumps.

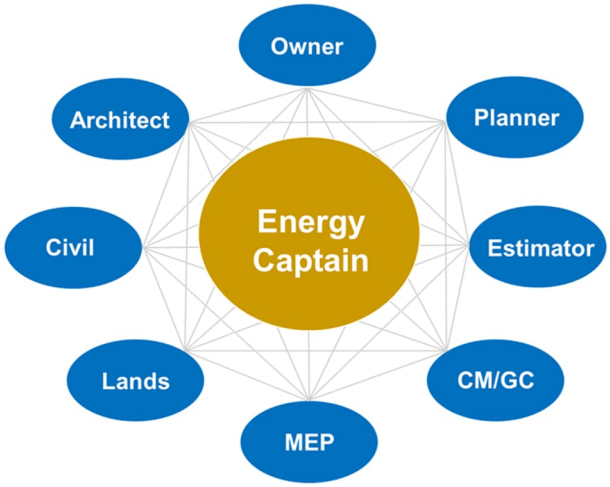


Locations of rooftop solar at the Catawba College campus

Another example of DEVITA's leadership in energy efficiency is our NET ZERO School, the Isaac Dickson Elementary School, in Asheville. DEVITA designed a geothermal system coupled to a biphasic chiller, with central AHU's, VAV's, and DOAS systems. Other key green systems included: daylighting; energy efficient building shell; high-efficiency lighting; 600KW PV sysetm, rainwater cistern and low-flow pumping fixtures; a solar hot water system; low VOC paint and finishes; recycled content and local materials; a waste reduction specification; storm water management; and constructed wetlands, and other green design features to achieve a goal of NET ZERO ENERGY USE.

Energy Captain:

For your project, we would create an **Energy Captain** to work with all invested parties to achieve optimal results – renovation to the HVAC system that will result in buildings that are the best to own and to live in. Investment and commitment to excellence in the realms of energy and airflow modeling allow for impeccable HVAC system design. Our process is an iterative integrated design, first using goal setting, moving to analysis, documentation, and feedback.



Our team utilizes sophisitcated energy modeling software, airflow modeling tools, and maintains the expertise to utilize these tools effectively. We use eQUEST and other programs to perform detailed, hourly building energy simulations to understand the behavior of building elements on the building heating and cooling loads. This allows us to accurately calculate the annual building electrical and natural gas consumption. Once built, our builidngs are remarkably close to predicted usage and performance. We create three-dimensional computer models of our engineering designs, with individual definitions of all the engineering and mechanical components in the project. Weather data available in the form of TMY2 weather files is used to simulate the building in accordance with the geographic location and climate that is specific to the project. We define hourly schedules for occupancy, daylighting, interior lighting, equipment, and all mechanical system components in order to precisely simulate the daily, monthly, and annual building energy performance.

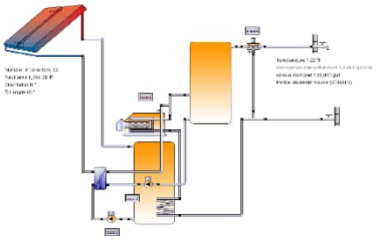
The main elements that we analyze through the energy simulations include:

- Building shell alternatives involving insulation amounts and types, cool-roofs, and high performance glazing types;
- Daylighting systems including but not limited to daylight monitors, clerestory windows, and efficient artificial lighting systems;
- HVAC system alternatives including geothermal, VRF and biphasic chillers; and
- Energy-efficient interior equipment with plug load management.

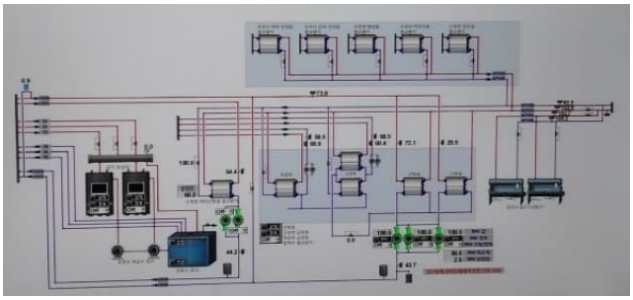
HVAC, Lighting and Plug Load Controls
Residential occupancies present challenges for colleges and universities. *At ECSU, we designed residential unit controls for each of the residential suites to enable temperature management and energy consumption monitoring*. Spaces can be controlled to setpoints corresponding to occupancy status (occupied vs unoccupied), similar to systems used in hotels to conserve energy. The goal of the interior lighting is to create a better indoor environment by providing an optimal, quality illumination throughout the facility – thus maximizing energy savings. A key factor in energy saving is the proper scheme of lighting controls. Building Automation System controls, vacancy sensors and plug load management can all be implemented to obtain significant energy savings.

Photovoltaics
Photovoltaic (PV) systems can be incorporated to reduce peak electricity demand. Photovoltaic panels provide energy-independent sources of electrical power and help achieve zero net energy consumption. Pricing for PV systems is at an all-time low – making these systems even more attractive for energy cost avoidance on buildings that will be owned for more than five years. Battery storage can provide continuous availability; computer monitors track the energy consumption of the building to determine the KWH contribution from the PV system.

Solar Hot Water System
A solar water heating system can be incorporated into buildings to address residential hot water loads. At Catawba College, solar water heating systems were installed to supplement and preheat the central water heating system for residential halls.

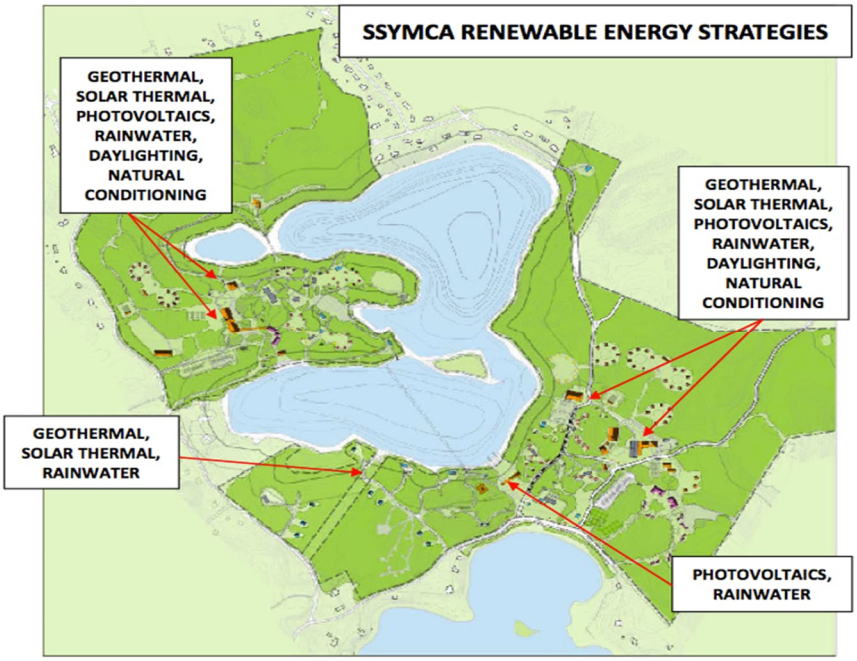


Monitoring of Energy and Environmental Systems and Student Engagement
Measurement and Verification Systems (M&V) provide owners a method to continuously track energy performance of their buildings to ensure the building performs at the level intended and designed. Building automation systems and energy performance monitoring are critical components to guarantee the ongoing success of building energy efficiency. An M&V system not only allows for reconciliation of the predicted energy use with the actual but is a useful tool for teaching about energy use and different building energy systems. *Residents are engaged to learn about their building's performance with a green monitoring system interactive display and website*. We implemented a system like this at Catawba College, among others, for enhanced student engagement.



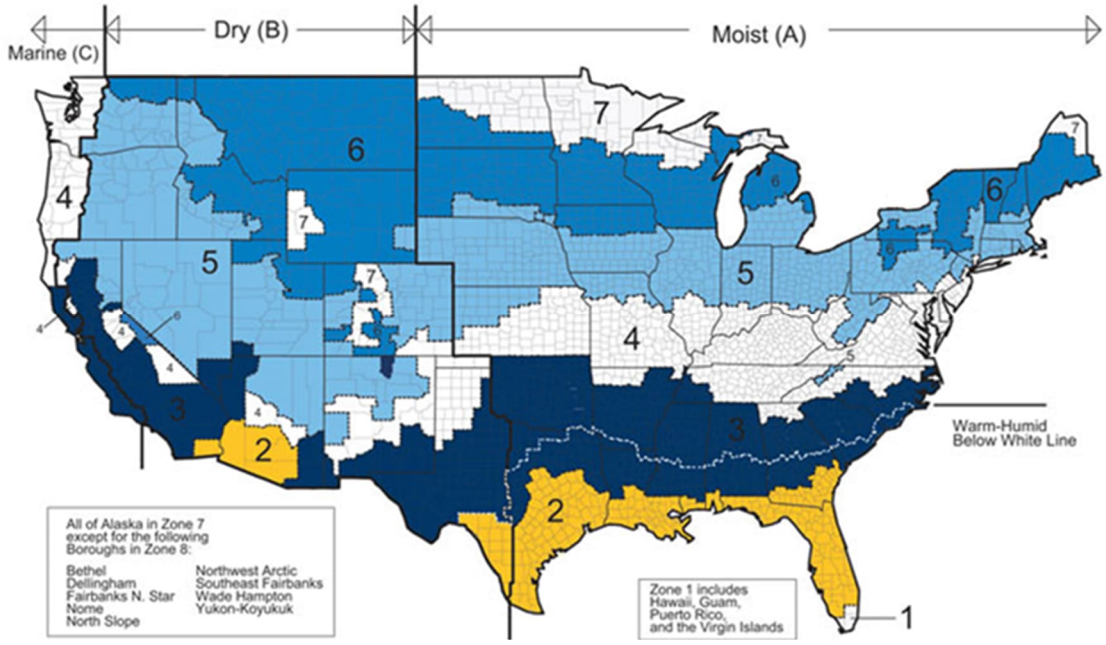
Indoor and Outdoor Air Quality
There are few issues more important to address in the operations of a facility than indoor air quality (IAQ) and outdoor air quality (OAQ). Proper selection of building materials that eliminate harmful volatile organic compounds (VOC) is crucial to maintaining healthy IAQ. Our team addresses healthy IAQ by specifying environmentally benign materials such as low VOC paint, incorporating ASHRAE standards for air ventilation strategies and rates, and using pollutant sensors and air quality monitoring equipment to control fresh air make-up. Outside air quantities are a critical component to healthy buildings and beneficial residential environments. *At ECSU, we designed a new DOAS system to address the negative building pressure, which contributed to high levels of moisture and mold growth in the residence hall.*

Electrification and Decarbonization
One of the most important issues facing institutions and society in general, is not only the energy usage but also how to mitigate carbon emissions. The emphasis is increasingly on improved efficiency and away from gas and coal.



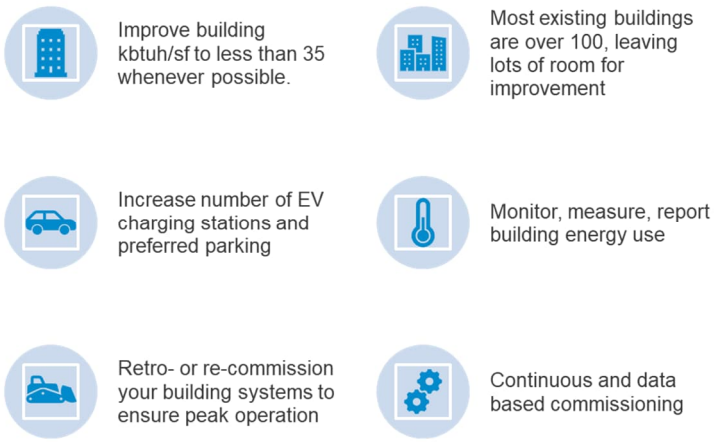
Existing buildings account for more than 32% of greenhouse gas emissions. Retrofits of existing buildings are effective to reduce life cycle costs. Not only are HVAC system efficiencies important, but also integrating building envelope improvements, daylighting, renewable energy, and receptacle controls will provide significant GHG reductions and cost savings. Our familiarity with the proposed Energy Code and with high performance buildings gives us the knowledge and expertise to provide you with the best options for an HVAC replacement project. We design to a budget but look for creative ways to incorporate energy efficiency and renewable energy into your building projects.

For the SSYMCA residential campus in Massachusetts, we proposed several sustainable and energy efficient systems (see graphic above).

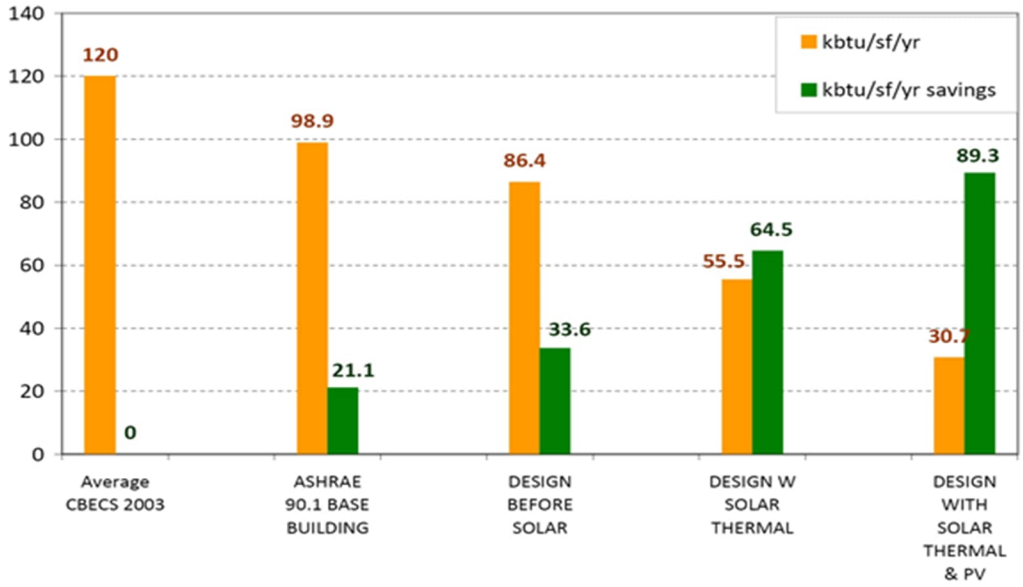


The most recent climate zone charts show that climate zones are changing. North Carolina now has only a very small area that is climate zone 5. Much of North Carolina, including Greensboro, is moving rapidly into the “Warm Humid” climate zone – which means that any design now should accommodate future climate change, especially as new HVAC systems will be in place for approximately 25-30 years before replacement. Our designs will help you “future-proof” your buildings.

How do we get to lower energy usage and sustainability in existing buildings?



When retrofitting, institute plug load management and discrete, individualized HVAC controls.
Add Photovoltaic systems to rooftops. We have designed a number of PV systems for apartment and hotel buildings, both new and retrofits. Below is an example of another one of our buildings which approaches net zero.



Our energy and sustainability goals will be organized to emphasize:

- The health of residents
- Lowest GHG emissions
- Engagement and resident interaction
- Thermal comfort
- Indoor air quality
- Measurement and verification
- Ease of maintenance
- Lowest total ownership costs

DEVITA
Engineering Great Ideas

North Carolina Public College Experience

CATAWBA VALLEY COMMUNITY COLLEGE – HICKORY, NC
- Turf Management Building,
- Bookstore Renovation

CENTRAL PIEDMONT COMMUNITY COLLEGE - CHARLOTTE, NC
- Owner's Rep for Performance Contracting Phase 1 & 2
- Taylor Building Renovation and Addition
- IT Building Computer Lab Renovation
- IT Building Architectural Department Renovation
- Harper HVAC Retro-Commissioning
- Huntersville Storage Building Renovation

GASTON COLLEGE - DALLAS, NC
- Robinson Workforce Preparation Classroom Building

GUILFORD TECH COMMUNITY COLLEGE - JAMESTOWN, NC
- Business Hall Renovation
- Dental Sciences Building Renovation

HAYWOOD COMMUNITY COLLEGE - CLYDE, NC
- Creative Arts Building

ISOTHERMAL COMMUNITY COLLEGE - SPINDALE, NC
- Campus Wide Lighting Renovation

MONTGOMERY COMMUNITY COLLEGE – TROY, NC
- Building 200 HVAC Replacement

ROWAN CABARRUS COMMUNITY COLLEGE - SALISBURY, NC
- Building 300 & 500 Building

WAKE TECHNICAL COMMUNITY COLLEGE - RALEIGH, NC
- Energy Study
- Health Sciences, Library, & Education Bldg. Lighting Renovations
- Holding Hall Renovation Commissioning

North Carolina Public University Experience

APPALACHIAN STATE UNIVERSITY - BOONE, NC
- Reich College of Education Building
- Miles Annas Chiller Replacement & Cooler Relocation
- Regional Chiller Plant Renovations
- Steam Distribution Study
- Raley Hall Emergency Generator & Data Center Renovation
- Plemmons Student Union Solar Water Heating
- Women's Dormitory Solar Water Heating
- Justice Residence Hall Fire Alarm & Fire Sprinkler Renovation
- Solar Decathlon Engineering -2011
- Field Hockey Fieldhouse

ELIZABETH CITY STATE UNIVERSITY – ELIZABETH CITY, NC
- University Towers, Viking Towers, Williams Hall & Jenkins Science HVAC Upgrades
- University Suites HVAC & Controls Replacement/Renovation
- MEP Engineering Open End Design Agreement 2022
- CX Open End Design Agreement 2022

NORTH CAROLINA CENTRAL UNIVERSITY – DURHAM, NC
- Baynes Residence Hall Fire Alarm & Fire Suppression Replacement
- Education Building UPS & Emergency Power Systems
- Student Health Electrical Modifications
- Campus Police Station Renovation
- Campus Wide Energy Improvements (11 Buildings)
- Lee & Taylor Buildings Elevator Renovations
- Taylor Building Electrical Infrastructure Upgrades
- James Shepard Library Renovations
- James Shepard Library Archive Vault HVAC Renovation
- BN Duke Auditorium HVAC and Electrical Renovation
- Taylor Building Testing Center Renovation & Chiller Replacement
- Pool Bonding & Grounding Remediation
- Three New Generators / Two Elevators Replacements for Residence Halls
- Mary M. Townes Science Building Retro Commissioning
- Mary M. Townes HVAC Controls Revisions
- Ticket Office
- O'Kelly – Riddick Football Stadium & McDougald - MacLendon Arena Electrical and Mechanical Service Upgrades
- Photovoltaic and Solar Thermal Study
- Chancellor's Residence Electrical Renovation

NORTH CAROLINA CENTRAL UNIVERSITY – DURHAM, NC
- Farrison Newton Renovation
- Walker Gymnasium Elevator Modernization
- Walker Gymnasium Generator Addition
- Boiler Plant Renovation
- Hubbard Totten Elevator Modernization

NORTH CAROLINA STATE UNIVERSITY – RALEIGH, NC
- Cox Hall Room 206 Renovation
- Dabney Hall Room 124 Renovation
- Parking Deck Pay Station & Canopies Renovations
- Ricks Hall Bioinformatics Third Floor Renovation
- Ricks Hall First Floor Classrooms and Lab Renovations
- Winston Hall Bathroom Renovation
- Vet School Study
- Harris Pullen Study
- Peele Hall Renovation

UNIVERSITY OF NORTH CAROLINA – ASHEVILLE, NC
- MEP Engineering Open End Design Agreement 2022

UNIVERSITY OF NORTH CAROLINA – CHAPEL HILL, NC
- Phillips Hall Science Building Lab Renovation Scale Up
- Fetzer Gymnasium Renovation
- South Building Renovation
- Dey Hall Building Classroom 205 & 207 Renovation
- Four Parking Decks LED Lighting Renovations
- Dental Classroom 150 Modifications
- Photovoltaic Installation
- Electrical Engineering Open End Design Agreement 2021
- Electrical Engineering Open End Design Agreement 2022

UNIVERSITY OF NORTH CAROLINA – CHARLOTTE, NC
- Cameron Building Emergency Power Renovation
- Cameron Building Generator Replacement
- Belk Building Emergency Power Renovation
- Burson Laboratory Research Building Emergency Power, Chiller Replacement & Labs 249 and 251 Renovations
- EPIC Building Photovoltaics Lab
- Site Lighting for Craver Road and Phillips Road
- Parking Lot Site Lighting
- Landscape Lighting for Pedestrian Mall
- RUP1 Emergency Generator
- Cone Building Computer Lab Renovations
- Rowe Building Art Gallery & Student Workshop Renovations
- Bioinformatics Building Server Room 322 Renovation
- Bioinformatics Building Server Room 129
- Griggs Building Hydrogen Generator Lab Renovation
- Facilities Management Generator Replacement
- Solar Decathlon Engineering
- Greek Village Shelters
- Campus Wide LED Site Lighting Upgrades
- University Place office Renovation
- Garinger Hall, Smith Building, Scott Hall, Woodward Hall & Atkins Building HVAC Renovations
- CRI Entrance Lighting Design & Electrical / Circulation Improvements Site Lighting

UNIVERSITY OF NORTH CAROLINA - GREENSBORO, NC
- GOVE Student Health Center Generator Addition
- CONE Museum Lighting Study
- Mossman Building Generator
- Curry Building Fire Alarm Replacement
- MEP Engineering Open End Design Agreement 2021
- MEP Engineering Open End Design Agreement 2022

UNIVERSITY OF NORTH CAROLINA – PEMBROKE, NC
- Chavis Center Canopies

WINSTON-SALEM STATE UNIVERSITY - WINSTON-SALEM, NC
- Campus Police Station Renovation

DEVITA Partial LEED Project List

LEED PROJECT EXPERIENCE LIST	LOCATION	LEED LEVEL	STATUS
Appalachian State University College of Education	Boone, NC	Silver NC 2.2	Certified
Ashley School Science and Media Center	Charleston, SC	Silver (LEED for Schools 1.0)	Certified
BB&T Ballpark - Home of the Charlotte Knights	Charlotte, NC	Certified NC 3.0	Certified
Tower 1 at North Hills	Raleigh, NC	Gold CS 2.0	Certified
Tower 2 at North Hills	Raleigh, NC	Gold CS 2.1	Certified
Tower 3 at North Hills	Raleigh, NC	Gold CS 3.0	Certified
Tower 4 at North Hills	Raleigh, NC	Gold CS 4.0	Certified
Tower at North Harrington Street	Raleigh, NC	Gold CS 4.0	Construction
Circle at Concord Mills	Concord, NC	Certified NC 2.2	Certified
Circle at South End	Charlotte, NC	Certified NC 2.2	Certified
Tower 5 at North Hills	Raleigh, NC	TBD	
County Bank	Greenwood, SC	Silver NC 2.2	Certified
Davidson College, Admissions Building	Davidson, NC	Silver NC 2.2	Certified
Davidson College, Duke Dormitory	Davidson, NC	Certified NC 2.2	Certified
Dillon Office Building	Raleigh, NC	Gold CS 4.0	Certified
Duke Training Center	Kings Mountain, NC	Silver NC 2.2	Certified
Family Dollar Store #115	Woodruff, SC	Gold NC 2.2	Certified
Greensboro Transit Authority Maintenance Facility and Administrative Offices	Greensboro, NC	Gold	Certified
Guilford Technical Community College Business Hall	Greensboro, NC	Silver NC 3.0	Certified
Guilford Technical Community College Dental Sciences Hall	Greensboro, NC	Silver NC 3.0	Certified
Haywood Community College Creative Arts Building	Clyde, NC	Platinum NC 3.0	Certified
HSBC - North America Fort Mill, SC Building	Fort Mill, SC	Silver NC 2.1	Certified
Isaac Dickson Elementary School	Asheville, NC	Platinum (LEED for Schools)	Certified
Korean Airlines Hyatt Regency Hotel	Incheon, Korea	Gold NC 3.0	Certified
Mecklenburg County Freedom Center	Charlotte, NC	Silver CI 2.0	Certified
Northeast Remote Operations Facility (3 Buildings)	Raleigh, NC	Certified NC 3.0	Certified
Northwest Wilkesboro NC Visitor Center	North Wilkesboro, NC	Gold NC 2.1	Certified
Piedmont Natural Gas Nashville Office	Nashville, TN	Gold NC 2.2	Certified
Piedmont Natural Gas Tarboro Office	Tarboro, NC	Silver NC 2.1	Certified
Progress Energy US1 North Consolidation	Raleigh, NC	Silver NC 3.0	Certified
Marriott Raleigh Residence Inn	Raleigh, NC	Silver NC 3.0	Certified
Rowan Cabarrus Community College Classroom Bldg	Salisbury, NC	Silver NC 3.0	Certified
RDU 3 Office Building	Cary, NC	Silver CS 2.0	Certified
Revolution Regional Sports & Learning Academy	Charlotte, NC	Silver NC 2.2	Certified
Sunland Office Building	Charlotte, NC	Certified NC 2.0	Certified
North Hills Expansion	Raleigh, NC	TBD	
Time Warner Cable Morrisville	Morrisville, NC	Silver NC 2.2	Certified
Transylvania County Public Safety	Brevard, NC	Silver NC 2.2	Certified
Virginia Renaissance Academy	Norfolk, VA	Gold (LEED for Schools)	Certified
Wake Technical College Holding Hall	Raleigh, NC	Silver 3.0	Certified
Winthrop University Lois Rhame West Center	Rock Hill, SC	Silver NC 2.1	Certified
Wolfe Development Center	Monroe, NC	Certified NC 2.2	Certified

TAB 5

MINORITY BUSINESS PARTICIPATION PLAN

DEVITA

5. MINORITY BUSINESS PARTICIPATION PLAN (include design and construction efforts to reach UNCG HUB goals)

Over the years we have seen, time and time again, a "check the box" approach used by both designers and contractors. This means a minimal amount of effort is made to say their goals have been met by identifying vendors or service providers for the sake of checking the accounting box that a certain percent of dollars flowed through the hands of HUB/MWBE firms. This disingenuous activity serves no real long-term purpose or change in vendors or service providers' ability to grow and succeed as a result of these "one off" experiences.

As a previously owned NC HUB/WBE in the electrical design and engineering field, one of DEVITA's principals, and proposed team members, Ms. Kim Wooten, has seen the hard truth first-hand as to the real lack of qualified HUB/MWBE firms in our industry. When there is a legitimate firm, they are rarely taken very seriously. This has stirred a real desire to make a difference. She has developed a keen sensitivity to this situation, as a result of her personal experience, and has genuine drive to be a change agent. It is rare to find this authenticity unless you have walked in her shoes. As a result, Kim has routinely gone above and beyond in her efforts to include HUB/MWBE firms on her past projects and, hopefully, as evidenced in this proposal.

DESIGN EFFORTS:
DEVITA is fortunate to have a qualified HUB participant in our mentor/protégé program. As discussed in Section 3, Project Team, we believe by partnering with HUB and M/WBE firms, we are improving our client relationships and adding value in our service offering. Our strategic mentor/protégé partnership is with Ms. Victoria Watlington, PE, PMP. Victoria is the proud owner of two HUB/MWBE companies: Watlington Engineering, PLLC and Watlington Construction, LLC, and currently serves with DEVITA's Kim Wooten on the North Carolina Building Code Council.

Victoria organized two HUB/WMBE firms, Watlington Engineering, PLCC and Watlington Construction, LLC in 2021, in the engineering design and construction industry. Her previous experience included manufacturing engineering and project management. DEVITA along with Watlington Engineering, were recently awarded the Guilford County Schools Commissioning contract for the Brooks School in Greensboro, NC.

DEVITA recognizes that it is good business to work with HUB/MWBE firms. We firmly believe it affords us a competitive advantage to look like our customers and to look like our communities. By establishing a relationship with Watlington Engineering, DEVITA's staff of highly skilled individuals will train her and provide valuable project experience, as she develops skills and competencies in a professional and nurturing environment. Our program approach includes Victoria as part of our mechanical engineering team. She will shadow on-site field investigations, surveys of the existing systems, and learn from observation and instruction by our staff. As a result of her participation through the design process and construction activities, she be qualified to offer her own independent services. Victoria is excited about this opportunity to be included on our team for this project. Our vision of successful mentoring is for Watlington Engineering be widely recognized as a firm of engineering excellence.

"If you give a man (or woman) a fish, you feed him (or her) for a day. If you teach a man (or woman) to fish, you feed him (or her) for a lifetime."

CONSTRUCTION EFFORTS:
In addition to providing HUB support on our proposed design team, DEVITA commits to encourage, promote, and manage HUB participation on the construction side. We will accomplish this by:

- Securing the latest HUB list
- Calling on HUB/MWBE firms to solicit their involvement.
- We then will extend an invitation to HUB/MWBE contractors and suppliers and follow up with them during the bid period to encourage their participation.
- We will collaborate with your designated HUB representative to make every effort to achieve maximum compliance,
- We will emphasize the importance for all prospective bidders to include an outreach effort of their own at the pre-bid conferences and walk throughs.
- Follow up during construction to make sure the effort to make the commitments to HUB/MWBE participation are met.
- Careful review of the initial Schedule of Values indicating allocated contract amounts to participating HUB contractors have been properly assigned.

TAB 6

CURRENT SF-330

DEVITA

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*
UNC Greensboro Sullivan Science Building -Teaching Greenhouse Repairs
Greensboro, NC

2. PUBLIC NOTICE DATE	3. SOLICITATION OR PROJECT NUMBER
July 12, 2022	**287-19-21594-01**

B. ARCHITECT- ENGINEER POINT OF CONTACT

4. NAME AND TITLE
Michael A. Rogers, PE, LEED AP, HFDP

5. NAME OF FIRM
DeVita & Associates, Inc.

6. TELEPHONE NUMBER	7. FAX NUMBER	8. E-MAIL ADDRESS
980.312.5305	**864.242.4878**	**mrogers@devitainc.com**

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check) PRIME	J-V PARTNER	SUBCON-TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	X			**DeVita & Associates, Inc.** ☐ CHECK IF BRANCH OFFICE	**205 Regency Executive Park Drive, Suite 315 Charlotte, NC 28217**	**Mechanical, Electrical, and Plumbing Engineering**
b.			X	**Watlington Engineering, PLLC** ☐ CHECK IF BRANCH OFFICE	**1324 Bethel Rd. Charlotte, NC 28208**	**Mechanical/Plumbing Engineering Mentor/Protégé Participant**
c.			X	**SGA/NW a GF design company** ☐ CHECK IF BRANCH OFFICE	**2459 Wilkinson Boulevard Suite 120 Charlotte, NC 28208**	**Architecture**
d.				☐ CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM ☒ *(Attached)*

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

UNC Greensboro
Sullivan Science Building
Teaching Greenhouse Repairs

SGA | NW
a GF design company

UNCG

DEVITA

Douglas Burns, AIA
Principal

Mark Sealy, AIA, LEED AP
Project Manager

Michael Rogers, PE, LEED AP, HFDP
Principal /Mechanical Engineer of Record

Victoria Watlington, PE, PMP
Watlington Engineering
Mechanical Engineer
Mentor/Protégé Program

Daniel Clauser, EIT
Mechanical Designer

Debra Chez, LEED GA
Project Coordinator

Keith Mattison, PE
Mechanical QC/Peer Review

Additional Support
BIM/Functional Testing
HUB Participation/Structural Engineering

Shaneka Murphy
Asst. Mechanical Designer

Derk Beutler, FPET, CPD
ARCSA AP
Sr. Plumbing/FP Designer

Kim Wooten, PE, LEED AP
Electrical Engineer of Record

Jonathan Rhoads, PE
Electrical Designer

Ryan Gray, PE
Electrical QC/Peer Review

Additional Support
5 Electrical Engineers
10 Electrical Designers

Additional Support
5 Mechanical Engineers
12 Mechanical Designers

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Michael Rogers, PE, LEED AP, HFDP	**Principal & Mechanical Engineer of Record**	a. TOTAL **31**	b. WITH CURRENT FIRM **1**

15. FIRM NAME AND LOCATION *(City and State)*
DeVita & Associates, Inc. – Charlotte, North Carolina

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
Clemson University
Bachelor of Science – Mechanical Engineering
Clemson University
Master of Science – Mechanical Engineering

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Professional Engineer License CO, DE, FL, GA, NC, NY, OK, SC, TN, TX, VA, and WV - Mechanical Engineering

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
LEED AP; Healthcare Facility Design Professional (HFDP); American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE); American Society of Healthcare Engineering (ASHE)

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University – Viking Towers Residence Hall HVAC and Controls Renovation and Williams Hall HVAC Upgrades and Repairs
Elizabeth City, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2021** | CONSTRUCTION *(If Applicable)* **2022**

(3) **BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE** [X] Check if project performed with current firm

DEVITA provided mechanical, electrical, and building controls engineering design, after performing field surveys, where we determine the most cost-effective means of getting these buildings back on-line with energy efficient performance. Scope of work included control system upgrade to communicate with the campus central control system and all associated replacement piping, ductwork, balancing, air flow, venting, programming, and electrical work for complete working systems. Cost: Viking Towers $220,000. Williams Hall $436,000. Specific Role: Mechanical Quality Control / Oversight.

b.

(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University - Boiler Plant Replacement
Durham, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2021** | CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

DEVITA provided mechanical, electrical, and structural engineering design services on this replacement boiler project. DEVITA studied the existing conditions and had the 1800 hp boiler replaced with a 600 hp boiler. Work was done in 2 phases: Phase I: Pre-purchased the equipment to save long lead time in the schedule with specs and drawings. Phase II: Produced construction documents to bid the installation and alternates to address potential work for other failing equipment. Cost: $550,000. Specific Role: Mechanical Engineer of Record.

c.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University - University Suites HVAC / Controls Upgrades
Elizabeth City, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2021** | CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

After the initial award of (4) buildings from ECSU, DEVITA was commissioned to study the HVAC systems in University Suites. It progressed to the assignment for this fifth project, Michael provided mechanical engineering design for this student residential building on campus for mechanical equipment and controls replacements. Cost: $600,000. Specific Role: Mechanical Engineer of Record.

d.

(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University – O'Kelly Stadium Locker Room HVAC Upgrades
Durham, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2022** | CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

DEVITA designed the HVAC, controls, energy recovery system, and electrical systems to remediate the temperature and humidity issues in locker rooms, bathrooms, showers, and offices at the football stadium. Work included a new outside air unit in the existing mechanical room, reusing but cleaning existing ductwork, new electrical circuits to serve the new equipment, and demo of steam piping and existing chiller. Cost: $350,000. Specific Role: Mechanical Engineer of Record.

e.

(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University - Student Union Post Office Renovation
Durham, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2022** | CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

DEVITA is providing design engineering for mechanical and electrical renovation work including new circuits, rework existing panelboards, lighting, power, diffusers, and ductwork (to provide thermal comfort). Cost: $450,000. Specific Role: Mechanical Engineer of Record.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Kim Wooten, PE LEED AP	**Electrical Engineer of Record**	a. TOTAL **37**	b. WITH CURRENT FIRM **17**

15. FIRM NAME AND LOCATION *(City and State)*
DeVita & Associates, Inc. – Durham, North Carolina

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
The Johns Hopkins University **Bachelor of Science - Electrical Engineering**	**Professional Engineer License** **NC, SC, and VA - Electrical Engineering**

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Professional Associations: LEED AP, Founding Member UNCC Chapter of IEEE Women Engineers; Illuminating Engineering Society; NC Building Code Council Member for Electrical, Energy & Fire Prevention Engineering; Chair for Ad-Hoc Electrical and Energy committees; Institute of Electrical & Electronics Engineers (IEEE); USGBC **Professional Awards**: Numerous Edwin F. Guth Lighting Design Awards **Professional Teaching:** NC Environmental, Energy, Health &Safety School; Boiler MACT Seminars; USGBC, AIA, UNC & USC Seminars.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Lenoir County Administrative Office Building & Courthouse
HVAC Renovations
Kinston, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2021**; CONSTRUCTION *(If Applicable)* **2023**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Kim is currently providing electrical engineering design for three HVAC options: Variable Refrigerant Flow (VRF), traditional boiler/chiller with central air handling units and VAV boxes, and packaged rooftop units with VAV boxes. The most cost effective/energy efficient system will be chosen based on the results of the life cycle analysis. Cost Office Building: $900,000. Cost Courthouse $1,000,000. Specific Role: Principal in Charge/Electrical EOR.

b.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University – Jenkins Science & Williams Hall
HVAC & Controls Replacements
Elizabeth City, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2021**; CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Kim is the primary client contact for Jenkins Science which included new instruments and gauges and all piping, ductwork, programming, replacement of a rooftop air handling unit and electrical work needed for a complete working system. Williams Hall included replacement chilled water piping, building controller and unit controls to tie into campus control system, balancing existing diffusers and return air, and allowing outside air for new air flow, extending and connecting new supply duct from air handler to existing supply and return duct trunks, supply and install gravity relief vents and connect to existing ductwork Cost Jenkins Science: $537,000. Cost Williams Hall: $436,000. Specific Role: Principal in Charge/Electrical EOR.

c.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University – University Towers and Viking Towers Residence Halls
HVAC and controls Replacements
Elizabeth City, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2021**; CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Kim is the primary client contact on University Towers which included the removal and replacement of (1) chiller, (28) air handlers, (11) fan coil units and (1) pump, excavation and installation of new pre-insulated undergrounf piping to chiller with heat tracing as required, piping valves and fittings at all units, including CHW/HW drains with auxiliary drains, removal and replacement of ductwork and reinstallation of smoke detectors and shut down wiring for AHU & FCU, insulation, wiring, and Test & Balancing. Viking Towers included providing control system upgrades to communicate with the campus central control system with all associated piping, ductwork, programming, and electrical work for complete working systems. Cost University Towers: $1,205,533. Cost Viking Towers: $220,000. Specific Role: Principal in Charge/Electrical Engineer of Record.

d.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University - University Suites Humidity Issue Repairs
Elizabeth City, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2021**; CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X) Check if project performed with current firm

As a result of our work on four previously awarded projects, DEVITA was asked to provide a building assessment/ study for University Suites, a student residential building on campus. DEVITA was then awarded this project for HVAC upgrades. This project included mechanical and electrical specifications, project manuals, probable cost estimates and HVAC plans for bidding purposes. Cost: $600,000. Specific Role: Principal in Charge/Electrical Engineer of Record.

e.

(1) TITLE AND LOCATION *(City and State)*
UNC Greensboro Curry Building Fire Alarm Replacement
Greensboro, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2017**; CONSTRUCTION *(If Applicable)* 2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Kim design engineered a replacement fire alarm system with new fire alarm detection, alarm control panel and fire alarm system in compliance with NFPA 72, SCO and DOI requirements. It included voice notification capable of two-way mass notification and connected via the UNCG Campus-wide IT system and appliances in the building. This was a phased plan as the building remained occupied during installation. Cost: $499,000. Specific Role: Principal in Charge/Electrical Engineer of Record.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Jonathan Rhoads, PE	**Electrical Engineer of Record**	a. TOTAL **4.5**	b. WITH CURRENT FIRM **3**

15. FIRM NAME AND LOCATION *(City and State)*
DeVita & Associates, Inc. – Charlotte, North Carolina

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Florida State University **Bachelor of Science – Electrical Engineering**	**Professional Engineer License: PE North Carolina Electrical Engineering**

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
North Carolina Central University - Generator Additions at Eagle Landing, Martha Street and McLean Street Durham, NC	**2019**	**2020**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Jonathan provided electrical design services for the addition of (3) generator sets on the campus. Each generator set provides needed life safety systems power for lighting and fire alarm in the buildings. New transfer switches with options for testing and maintenance were installed. Cost $260,000. Specific Role: Sr. Electrical Designer.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
North Carolina Central University - Stadium Service Upgrades Durham, NC	**2020**	**2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Jonathan designed the electrical infrastructure to serve new industrial grade washers and dryers in the stadium and gym. Design included step down transformers, new panelboards, circuitry and power for new laundry and HVAC equipment. The design involved replacing the existing underground service and new main panel to correct code deficiencies. Cost $330,000. Specific Role: Sr. Electrical Designer.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
University North Carolina Greensboro – Gove Student Health Center Generator Addition Greensboro, NC	**2019**	**2020**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Jonathan served as the electrical designer for this standby generator set and power distribution system that provides power to selected outlets for vaccine storage and research labs in the Gove Building during a power outage. The generator set was located outside and has diesel fuel storage for 48 hours of operation. Cost $65,000. Specific Role: Sr. Electrical Designer.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
North Carolina Central University – Walker Gymnasium Generator Durham, NC	**2021**	**2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Jonathan provided a study of the existing conditions prior to providing design services for a new generator to serve the new covid clinic, while the existing generator was relocated for reuse. Scope included reconnecting existing life safety system circuits in existing panelboards and outdoor manual transfer/ portable generator switch with load bank lugs. Also provided were structural pad design, construction drawings, specifications, and demolition drawings for the existing life safety generator set in the pit. Cost $270,000. Specific Role: Sr. Electrical Designer.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
University North Carolina Greensboro - Curry Building Fire Alarm Replacement Greensboro, NC	**2017**	**2018**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Jonathan participated in the design of the replacement fire alarm and detection system in this 1926 historic, 3 level building, including a new fire detection and alarm system conforming to NFPA 72, NC SCO and DOI requirements. The project included a new mass communication system connected to the campus police station. Existing field condition surveys drove the design for efficient routing and placement of wiring and devices. Cost $499,000. Specific Role: Electrical Designer.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT
Ryan Gray, PE	**Electrical Quality Control/Peer Review**	**14**	**14**

15. FIRM NAME AND LOCATION *(City and State)*
DeVita & Associates, Inc. – Greenville, South Carolina

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
University of South Carolina
Bachelor of Science – Electrical Engineering

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Professional Engineer License AZ, CO, CT, FL, IN, IA, MD, MA, MI, NV, NH, NC, RI, SC, TN, VA, Wash. DC - Electrical Engineering

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
United States Green Building Council (USGBC)

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
University North Carolina – Parking Deck LED Lighting Safety Upgrades
Chapel Hill, NC

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2018	**2020**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Ryan provided electrical engineering services for LED lighting and safety upgrades at Cobb, Ram's head, Jackson (pending release for construction), and School of Business structured parking decks on campus. Major phasing and sequencing logistics were required as the decks remained operational during construction. Cost $896,000. Specific Role: Electrical Design Engineer/Construction Administration/Quality Control Review.

b.

(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University - Generator Additions (3) locations
Durham, NC

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2019	**2020**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Ryan provided electrical design and engineering services for the addition of (3) generator sets on the campus. Design documents included drawings and specs, suitable for pricing and permitting from regulatory agencies. One used gas fuel and two used diesel, one of which required new panelboards to make room for the new emergency power equipment. Cost $260,000. Specific Role: Electrical Design Manager/Quality Control Reviews.

c.

(1) TITLE AND LOCATION *(City and State)*
University North Carolina Greensboro - Curry Building Fire Alarm Replacement
Greensboro, NC

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2017	**2018**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Ryan engineered the replacement fire alarm system in this historic, 3 level building from 1926. This new fire detection and alarm system conforms to NFPA 72, NCSCO and DOI requirements. This was tied into campus mass communication network. Existing field condition surveys drove the design for efficient routing and placement of wiring and devices. Cost: $499,000. Specific Role: Electrical Design Manager/Quality Control Reviews/Construction Administration.

d.

(1) TITLE AND LOCATION *(City and State)*
University North Carolina – South Building Renovation
Chapel Hill, NC

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2017 - 2019	**TBD**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Ryan provided electrical engineering and design services for power, lighting, HVAC, plumbing and fire protection equipment, required to renovate half of the first floor for the provost's offices. The existing Historic Preservation Building from 1792 systems were documented for a future renovation project, recently being revived. Cost: $1,950,000. Specific Role: Electrical Design Manager/Quality Control Review.

(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University – Stadium Service Upgrades
Durham, NC

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2020	**2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Ryan provided electrical engineering infrastructure design to serve new industrial grade washers and dryers in the stadium and gym. Design included step down transformers, new panelboards, circuitry and power for HVAC equipment. All work complied with regulatory agencies and current North Carolina building Code and SCO guidelines. Cost: $330,000. Specific Role: Electrical Design Manager/Quality Control Reviews.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Daniel Clauser, EIT	**Mechanical Designer**	**3**	3

15. FIRM NAME AND LOCATION *(City and State)*
DeVita & Associates, Inc. – Charlotte, North Carolina

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bob Jones University **Bachelor of Science – Engineering, Mechanical Focus**	**Engineer In Training License: South Carolina Mechanical Engineering**

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
ASHRAE member, Green Globes Professional Certified with the Green Building Initiative

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Hendersonville High School Campus Renovations & Additions
Hendersonville, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2019**; CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Daniel served as the mechanical designer to replace all the HVAC equipment in the existing Stillwell Building, part of the renovation portion of the project. This project required careful planning for detailed construction phasing as well as student safety. We performed fly through Revit modeling throughout the design phase. The project is under budget and significantly ahead of schedule as the first Certificate of Occupancy was secured one year earlier than originally planned. All work is being completed in compliance with regulatory agencies and current North Carolina Building Code. Cost $56,000,000. Specific Role: Mechanical Designer.

b.

(1) TITLE AND LOCATION *(City and State)*
NCCU – Stadium HVAC Renovation - Locker Room
Durham, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2022**; CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Daniel is currently providing mechanical design on this renovation project. He designed the replacement of the existing steam/chiller heating system, within extremely limited electrical parameters, by leveraging new energy efficient solutions. These included energy recovery ventilation, hot gas reheat, and a variable refrigerant flow heat pump. Utilizing this design completely eliminated the need for an additional 54 KW of electric heating. Cost $350,000. Specific Role: Mechanical Designer.

c.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University - Williams Hall, Jenkins Science Hall, University Towers Residence Hall, and Viking Tower Residence Hall
Elizabeth City, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2021**; CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Daniel provided mechanical design services and site visits for Williams Hall, Viking Towers, University Towers and Jenkins Science HVAC Replacements, and Control Upgrades projects. Some elements included AHU replacements, chiller replacements, underground chilled water piping replacements, ductwork, and associated BAS controls upgrades. Cost: $2,400,000. Specific Role: Mechanical Designer

d.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University - University Suites
Elizabeth City, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2021**; CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Through site investigation surveys, we found that there was negative building pressure, meaning the air conditioning system exhausted more air than was brought in. This was creating excessive humidity issues. Daniel designed a means to create positive pressure in the building. He also found the bathroom fans ran continuously, and this, combined with undersized ductwork, created insufficient air conditioning in the corridors. DEVITA recommended new DOAS units to remediate the situation. Cost: $600,000. Specific Role: Mechanical Designer.

e.

(1) TITLE AND LOCATION *(City and State)*
Lenoir County Administrative Office Building
HVAC Renovation
Kinston, NC

(2) YEAR COMPLETED: PROFESSIONAL SERVICES **2022**; CONSTRUCTION *(If Applicable)* **2023**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — [X] Check if project performed with current firm

Daniel is currently providing mechanical design services for this renovation considering three different HVAC systems: Variable Refrigerant Flow (VRF), traditional boiler/chiller with central air handling units with VAV boxes, and packaged rooftop units with VAV boxes. The most cost effective/energy efficient system will be chosen. This will be based on the results of the life cycle analysis. Cost: $900,000 Specific Role: Mechanical Designer

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Keith F. Mattison, PE	**Mechanical Engineer**	**38**	**9**

15. FIRM NAME AND LOCATION *(City and State)*
DeVita & Associates, Inc. – Greenville, South Carolina

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Clemson University **Bachelor of Science - Mechanical Engineering**	**Professional Engineer License: AZ, FL, GA, ID, IL, IN, KY, LA, MA, MI, NE, NJ, NY, NC (16469), OH, PA, RI, SC, UT, VA, WA, Washington DC, Washington, WA, WI – Mechanical Engineering**

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Professional Associations: American Society of Mechanical Engineers (ASME)
Professional Certifications: NFPA Fire Protection Specialist

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University – Chick-fil-A Student Center
Durham, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: **2021** | CONSTRUCTION *(If Applicable)*: **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X] Check if project performed with current firm**

Keith provided mechanical and plumbing site visit/construction administration services for the build out of a Chick-fil-A in the Student Center on campus. Keith also made site visits for Chic Fil A's multi-site roll out at additional universities including High Point University and served as the Mechanical EOR for Georgia Southern Armstrong Campus and their Savannah State campus. Cost: Ranges. Specific Role: Mechanical Site Visits / Construction Administration.

b.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University - Viking Towers Residence Hall HVAC and Controls Renovation
Elizabeth City, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: **2021** | CONSTRUCTION *(If Applicable)*: **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X] Check if project performed with current firm**

Keith provided mechanical and building controls engineering design, after performing field surveys, where he determined the most cost-effective means of getting this building back on-line with energy efficient performance. Scope of work included control system upgrade to communicate with the campus central control system and all associated replacement piping, ductwork, balancing, air flow, venting, programming, and electrical work for complete working systems. Cost: $220,000. Specific Role: Mechanical Facility Assessment/ Mechanical Engineer of Record.

c.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University - University Suites HVAC / Controls Upgrades
Elizabeth City, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: **2021** | CONSTRUCTION *(If Applicable)*: **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X] Check if project performed with current firm**

As a result of our good work on the initial bundle of projects initially awarded, ECSU gave DEVITA another problematic building with severe humidity issues to redesign. Keith provided mechanical design and engineering to fix these issues. Cost: $600,000. Specific Role: Mechanical Facility Assessment/QC oversight.

d.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University – Jenkins Science Hall HVAC Controls Upgrades and Renovations
Elizabeth City, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: **2021** | CONSTRUCTION *(If Applicable)*: **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X] Check if project performed with current firm**

Keith provided mechanical and building controls engineering design, after performing field surveys, where he determined the most cost-effective means of getting this building back on-line with energy efficient performance. Scope of work included new instruments and gauges and all piping, ductwork, the replacement of a rooftop air handling unit, programming, and electrical work needed for a complete working system. DEVITA provided probable cost estimates, project manuals, mechanical and electrical drawings, and specifications for bidding. Cost: $537,000. Specific Role: Mechanical Facility Assessment/ Mechanical Engineer of Record.

e.

(1) TITLE AND LOCATION *(City and State)*
Elizabeth City State University - Williams Hall HVAC Upgrades and Repairs
Elizabeth City, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: **2021** | CONSTRUCTION *(If Applicable)*: **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — **[X] Check if project performed with current firm**

Keith provided mechanical and building controls engineering design, after performing field surveys, where he determined the most cost-effective means of getting this building back on-line with energy efficient performance. Scope of work included control system upgrade to communicate with the campus central control system and all associated replacement piping, ductwork, balancing, air flow, venting, programming, and electrical work for complete working systems. Cost. $436,000. Specific Role: Mechanical Facility Assessment/ Mechanical Engineer of Record.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Derk Beutler, FPET, CPD, ARCSA AP	**Sr. Plumbing & Fire Protection Designer**	a. TOTAL **35**	b. WITH CURRENT FIRM **12**

15. FIRM NAME AND LOCATION *(City and State)*
DeVita & Associates, Inc. – Charlotte, North Carolina

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
South Broward Community College **Design Engineering** **Central Piedmont Community College** **Fire Protection Technologies**	**Certified Plumbing Designer - CPD ID 1-17214** **Certified Engineering Technician in Fire Protection Systems – FPET 77553** **NC Licensed Fire Sprinkler Contractor – License # 24534**

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

National Institute for Certification in Engineering Technologies (NICET)
American Society of Plumbing Engineers (ASPE)
American Rainwater Catchment Systems Association (ARCSA)

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University B.N. Duke Auditorium HVAC Renovation
Durham, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2018-2019/hold Resub to SCO 2022**
CONSTRUCTION *(If Applicable)* **TBD**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Derk provided design for renovations to the plumbing systems to add a new boiler, remove existing steam connection and associated piping, provide new air handling units to serve the auditorium and music sections of the building, while reusing as much existing ductwork as possible. In addition, repairs to the existing Building Automation System (BAS) will be completed. Projected cost $490,000. Specific Role: Plumbing Designer.

b.

(1) TITLE AND LOCATION *(City and State)*
University North Carolina Chapel Hill Phillips Hall MEP/FP Renovation Classroom Scale Up
Chapel Hill, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2017**
CONSTRUCTION *(If Applicable)* **2018**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Derk designed the plumbing/fire protection upgrades to the classrooms and common spaces. A comprehensive field investigation took place to assess the existing conditions, layout and deficiencies. Improvements for ADA as well as for MEP/FP and architectural modifications were determined that were not compliant as shown on the latest as–builts. Specific items that were addressed for ADA concerns included: relocating, removing and/or replacing existing drinking fountains to become code compliant. Cost $148,000. Specific Role: Sr. Plumbing/FP Designer/Construction Administration.

c.

(1) TITLE AND LOCATION *(City and State)*
JJ Henderson Housing Center
Durham, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2020**
CONSTRUTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Derk is responsible for designing all the replacement plumbing waste and vent systems which are to be installed while the building is occupied. In addition, he designed the replacement of the central electric domestic water boiler with tankless gas water heaters, replacing outdated plumbing fixtures with high efficiency /water reducing units.

Cost: $11,000,000. Specific Role: Sr. Plumbing and Fire Protection Designer.

d.

(1) TITLE AND LOCATION *(City and State)*
University North Carolina Chapel Hill South Building ME/FP Renovation
Chapel Hill, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2017-2019**
CONSTRUCTION *(If Applicable)* **2019**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X) Check if project performed with current firm

Derk provided fire protection design in coordination with electrical and mechanical designs services provided by DEVIITA to renovate half of the first floor of the provost offices. The existing building systems were documented for a future construction renovation project. Cost $270,000. Specific Role: Fire Protection Designer.

e.

(1) TITLE AND LOCATION *(City and State)*
Hendersonville High School Campus Renovations & Additions
Hendersonville, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2019**
CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Derk provided all the required plumbing and fire protection design for this major renovation and addition project. Systems include all hot and cold water, fire sprinklers toilets, kitchen grease traps, to meet NC Building Standards including compliance with ADA accessibility. The project required major phasing logistics. Cost $60,000,000. Specific Role: Plumbing and Fire Protection Designer.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Debra Chez, LEED GA	**Project Coordinator**	**43**	**2**

15. FIRM NAME AND LOCATION *(City and State)*
DeVita & Associates, Inc. – Charlotte, North Carolina

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
University of Illinois
Bachelor of Science – Civil Engineering
London Business School – Executive Development Program

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Professional Engineer License (INACTIVE):
NY Civil Engineering

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Founding Board Member of the USGBC Charlotte Region Chapter, Past Executive Board Member
NCA&T School of Technology, Past Advisory Board Member for IUPUI Construction Technology

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University Generator Additions (3) locations
Durham, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2019**
CONSTRUCTION *(If Applicable)* **2020**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Debra provided project coordination services during the construction administration of this electrical project for the addition of (3) generator sets on the campus. Design documents included drawings and specs, suitable for pricing and permitting from regulatory agencies. Cost $260,000. Specific Role: Project Coordinator.

b.

(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University Stadium MEP Service Upgrades
Durham, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2020**
CONSTRUCTION *(If Applicable)* **2022**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Debra provided project coordination for the MEP design to serve new industrial grade washers and dryers in the stadium and gym. Design included step down transformers, new panelboards, circuitry and power for the newly installed plumbing and HVAC equipment. All work complied with regulatory agencies, current North Carolina Building Code and SCO Guidelines. Cost: $330,000. Specific role: Project Coordinator.

c.

(1) TITLE AND LOCATION *(City and State)*
University North Carolina Greensboro Gove Student Health Center Generator Addition
Greensboro, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2019**
CONSTRUCTION *(If Applicable)* **2020**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Debra assembled the close out documents from the electrical contractor for the final report to UNCG. This replacement fire alarm and detection system was tied into campus mass communication network. Items assembled included as-builts, record drawings, O&M manuals processed for final engineer approval, DOA final inspection, final punch lists, contractor final application for payment, sales tax reports, MBE reports, affidavits, and engineer's certificate of compliance. Cost: $65,000. Specific Role: Project Coordinator.

d.

(1) TITLE AND LOCATION *(City and State)*
University North Carolina Parking Deck LED Lighting & Safety Upgrades
Chapel Hill, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2018**
CONSTRUCTION *(If Applicable)* **2020**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Debra was responsible for assembling the close out documents from the electrical contractor in preparing the final report to UNC. This project was the design four parking deck renovations. Assembly of as-builts, record drawings, O&M Manuals, warrantees, final application for payment, change order reconciliation, negotiations and approvals, owner acceptance of punch list, DOA SCO acceptance, sales tax reports, MBE reports, affidavits, and engineer's certificate of compliance. Cost: $896,000. Specific Role: Project Coordinator.

e.

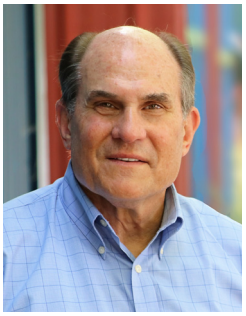
(1) TITLE AND LOCATION *(City and State)*
North Carolina Central University Elevator Replacements
Durham, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES **2019**
CONSTRUCTION *(If Applicable)* **2020**

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE [X] Check if project performed with current firm

Debra was responsible for the maintenance of RFI and shop drawing submittals scheduling, seeking approvals and returning reviewed documents to the client. She provided overall coordination services for the replacement of two (2) elevators on campus at Miller Morgan and the Criminal Justice Center. Cost: $275,000. Specific Role: Project Coordinator.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS PROJECT



12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Douglas Burns, AIA	Principal-in-Charge	a. TOTAL: 47	b. WITH CURRENT FIRM: 3

15. FIRM NAME AND LOCATION *(City and State)*
SGA|NW, a GF design company, Charlotte, NC

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Master of Architecture and Urban Design, Master of Social Work: Washington University Bachelor of Architecture: Kent State University	NCARB Certified; Registered Architect: NC, SC, GA, VA, NY, OH

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
American Institute of Architects, American Planners Association, American Institute of Planners, NC Economic Development Association, Charlotte-Mecklenburg Planning Commission, Charlotte-Mecklenburg Historic District Commission, Charlotte Chamber Leadership School

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Dudley Hall Renovation and Restoration, NC A&T State University
Greensboro, North Carolina

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
Ongoing	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

A registered historical landmark, this traditional brick three-story facility housed the first President of North Carolina A&T State University. The project will include renovation to the existing gallery spaces, creation of a new gallery, accessibility upgrades both internally and on the exterior among other areas. The renovation will include work to the HVAC, Humidity Controls additional lighting, up-fit of finishes and security. There will also be work done to the exterior of the building including concrete maintenance and accessibility.
Role: Principal-in-Charge

b.

(1) TITLE AND LOCATION *(City and State)*
UNC Charlotte – Oak Residence Hall Renovation
Charlotte, NC

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
2013	2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

The project consists of the advanced planning design and construction to bring Oak Hall up to current UNC Charlotte Standards, NC Code and ADA compliance. The scope including adding new chillers to serve Oak, Elm, Maple and Pine Residences Halls with a 4-pipe system.
SF: 51,465 Cost: $7.2 M projected Role: Principal-in-Charge

c.

(1) TITLE AND LOCATION *(City and State)*
UNC Charlotte – Elm, Maple and Pine Residence Halls Renovation
Charlotte, NC

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
2013	2015

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

This project represents Phase Two of the Two Phase renovations tying into the 4-pipe system developed under Phase One (Oak Hall). In addition to providing new stairwell and elevator elements, the residential suites were reconfigured to include stacked washer/dryers, modernized kitchens and bathrooms and the creation of 8 accessible units. In addition, windows and roofs were replaced. The new stairwell design and sidewalk ramp system resulted in the transformation of the 1980s design to contextually reflect the new identity of UNC Charlotte. SF: 94,000 Cost: $48 M Role: Principal-in-Charge

d.

(1) TITLE AND LOCATION *(City and State)*
UNC Charlotte – Scott Hall Renovation
Charlotte, NC

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
2016	2018

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Renovation of an existing 11-story high-rise residential building constructed in the early 1970s to: re-clad the building exterior to align with the evolving campus architectural fabric, replace windows to improve energy performance, replace interior finishes to provide consistency with recently opened residence halls, reconfigure common bathroom facilities to increase fixture count and improve accessibility, replace mechanical, electrical, plumbing, and telecommunications systems to coordinate with current campus standards, and reprogram 1st and ground floors for additional student commons areas in space vacated by housing and residence life offices. Role: Principal-in-Charge

e.

(1) TITLE AND LOCATION *(City and State)*
The VUE at Liberty Mountain – New Student Housing
Lynchburg, VA

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
2014	2016

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

With a goal to provide a higher level of purpose-built student housing for students attending Liberty University, off-campus developer The Vue selected KSQ to design the first of three phases of new apartment-style housing and clubhouses. While the ultimate goal of the development is to offer 1,776 student beds and three clubhouses, phase one features 678 units in one, two, four, and six-bed apartment configurations set in the rolling foothills of Lynchburg, Virginia. Five four-story, resort-style apartment buildings will surround recreational outdoor amenities including a lounge-style pool, outdoor cooking spaces. Role: Principal-in-Charge

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS PROJECT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Mark Sealy, AIA, LEED AP	Project Manager/Architect	33	2

15. FIRM NAME AND LOCATION *(City and State)*

SGA|NW, a GF design company, Charlotte, NC

16. EDUCATION *(Degree and Specialization)*	17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*
Bachelor of Architecture, UNC Charlotte; B.A. Architecture, UNC Charlotte; A.S. Architectural Technology, Pitt Technical Institute	Registered Architect: NC, SC, VA

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Member, American Institute of Architects; LEED Accredited Professional

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*

Dudley Hall Renovation and Restoration, NC A&T State University
Greensboro, North Carolina

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
Ongoing	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

A registered historical landmark, this traditional brick three-story facility housed the first President of North Carolina A&T State University. The project will include renovation to the existing gallery spaces, creation of a new gallery, accessibility upgrades both internally and on the exterior among other areas. The renovation will include work to the HVAC, Humidity Controls additional lighting, up-fit of finishes and security. There will also be work done to the exterior of the building including concrete maintenance and accessibility.

b.

(1) TITLE AND LOCATION *(City and State)*

Mitchell Community College Health Sciences Building
Statesville, NC

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
2018	2019

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

New 40,000 sf building that will be the flagship building for the School's Health Science program and the first new building on the old Davis Hospital site. This project will provide state of the art classrooms with active learning capabilities, Simulation Labs, EMS Flex Lab and departmental offices. A two story central lobby and student lounge is developed around the salvaged and restored entrance portico from the original Davis Hospital. $12,000,000 project cost. (previous experience with EYP, architect of record)
Size: 40,000 SF Cost: $12 M Role: PIC/PM

c.

(1) TITLE AND LOCATION *(City and State)*

UNC Wilmington Coastal Engineering Building
Wilmington, NC

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
Ongoing	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

14,225 sf Coastal Engineering facility featuring a 24-meter wave flume as a key feature of the 2,400 sf wave lab for the new Coastal Engineering degree program. The new wave lab research facility will enable coastal and ocean engineering studies of real-world problems involving waves and/or the transport of sand, such as the naturally occurring beach erosion-recovery cycles on barrier islands.
Size: 14,225 Cost: $6M Role: Project Principal / Architect

d.

(1) TITLE AND LOCATION *(City and State)*

UNC Wilmington Allied Health Building (Veteran's Hall)
Wilmington, NC

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
2019	2020

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Principal/Project Director for this new 145,000 sf building that will complete the Health Services Quad at the west end of Chancellors Walk. In addition to departmental and faculty office space the project also includes; Active Learning Classrooms, Intra-Professional Clinic, Movement Analysis Labs, Hydro-Therapy Labs, Clinical Assessment Areas, Cadaver Lab, Wet and Dry Chemistry Research Labs. Multiple Collaboration areas are located throughout the building as well as a student success center and the new home for the Department of Military Affairs.
Size: 145,000 SF Cost: $66 M Role: Project Principal/Director

e.

(1) TITLE AND LOCATION *(City and State)*

UNC Charlotte Student Counseling Center
Charlotte, NC

(2) YEAR COMPLETED

Professional Services	Construction *(if applicable)*
2016	2017

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[ ] Check if project performed with current firm

Principal/Project Director for this new 10,000 sf building intended to improve counseling services for students. The project provides a more direct connection with campus student health services and greater capacity for private as well as group counseling sessions. $4,000,000 project cost. (previous experience with EYP, architect of record)
Size: 10,000 SF Cost: $4 M Role: PM

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 1

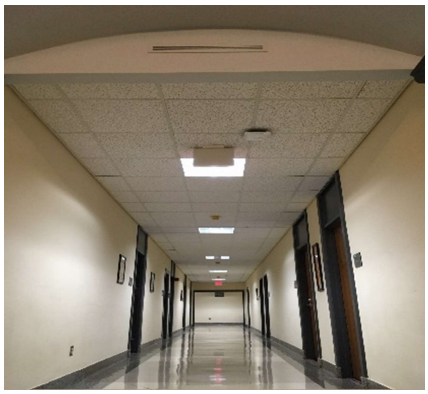
21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
University North Carolina Greensboro Curry Building Fire Alarm Replacement Greensboro, North Carolina	2017	2018

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
University North Carolina Greensboro	Timothy Rouse	336.334.5269

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT ***(Include scope, size, and cost)***

DEVITA designed and engineered a replacement fire alarm system with new fire alarm detection, alarm control panel and fire alarm system in compliance with NFPA 72, SCO and DOI requirements. It included voice notification capable of two-way mass notification and connected via the UNCG Campus-wide IT system and appliances in the building. We integrated smoke detectors and speakers and designed economic conduit routing in the acoustic tile ceiling to minimize disturbing the walls; assisted with management of phased construction and noise control of equipment during work hours as the building remained occupied, including summers; completed thorough site investigations for strategic placement of supports and hangers; coordinated staging logistics with existing site constraints; implemented separate testing of Annex Area for Mass Notification System; coordinated Owner preferences for Child Care Area and 911 calling as a separate system; evaluated the existing air handling systems to verify duct detectors were appropriately placed, and included new duct detectors if any systems were found to be lacking code required duct smoke detectors; designed an elevator recall system for the existing elevator in the building; and maintained the existing fire alarm control system during the renovations. The design was coordinated with keeping the existing fire alarm system in operation for notification and detection appliances during construction. Life safety systems were maintained during construction. Our services included coordinating the connection to the existing campus fire alarm central reporting station at the campus police station. Cost $499,000.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	DeVita & Associates, Inc.	Durham, NC	Mechanical and Electrical Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 2

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
University North Carolina Greensboro Gove Student Health Center Generator Addition Greensboro, North Carolina	2019	2020

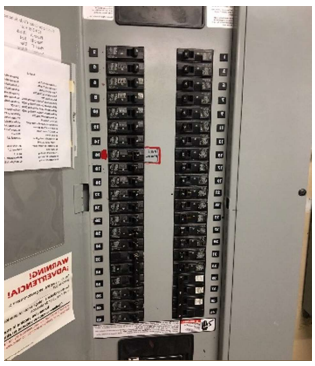
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
University North Carolina Greensboro	Jeffery Manter	336.655.8478

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT ***(Include scope, size, and cost)***

DEVITA provided electrical engineering services for the addition of a generator for the Gove Student Health Center. Electrical design development and construction documents including plans and specifications were provided suitable for pricing and permitting from regulatory agencies. The scope of work included the addition of a standby generator set to provide power to selected outlets for vaccine storage in the Gove Building during a power outage. The generator set was located outside and has diesel fuel for 48 hours of operation.

Services included preparation of probable cost analysis at the study phase and at the construction document phase. In addition, we coordinated with local code officials, SCO, and the University, as required, to obtain information pertinent to design. Comprehensive construction administration services included attendance of the pre-bid meeting and preconstruction meeting, shop drawing reviews and RFI reviews, construction visits, and final punch list/demonstration site visit. A final report was provided to the University with all pertinent SCO requirements such as final Application for Payment, affidavits, warranties, DOA Inspection and Approval, Punch Lists, O&M's, As-Builts and Record Drawings. Cost $65,000.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	DeVita & Associates, Inc.	Charlotte, NC	Electrical Engineering & Construction Administration

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 3

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Elizabeth City State University Jenkins Hall HVAC Controls Upgrades and Renovation Elizabeth City, North Carolina	2021	2022

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Elizabeth City State University	Melanie Baker	252.335.3791

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

DEVITA provided mechanical, electrical, and building controls engineering design services for Jenkins Science Hall building on campus. By doing an in-depth field survey DEVITA was able to determine the most cost-effective means of providing controls upgrades that include connecting and communicating with the campus central control system. The scope includes new instruments and gauges and all piping, ductwork, programming, and electrical work needed for a complete working system. The scope also includes replacement of a rooftop air handling unit.

DEVITA provided probable cost estimates, project manuals, mechanical, electrical drawings, and specifications for bidding. Cost: $537,000.

Jenkins Science Hall

a.	(1) FIRM NAME DeVita & Associates, Inc.	DEVITA	(2) FIRM LOCATION *(City and State)* Durham, NC	(3) ROLE Mechanical and Electrical Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 4

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Elizabeth City State University Williams Hall HVAC Upgrades and Repairs Elizabeth City, North Carolina	2021	2022

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Elizabeth City State University	Melanie Baker	252.335.3791

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

DEVITA provided mechanical, electrical, and building controls engineering design services for Williams Hall on campus. By doing an in-depth field surveys DEVITA was able to determine the most cost-effective means of getting this building back on-line with energy efficient performance. The project includes replacement chilled water piping, replacement of building controller and unit controls to tie into campus control system, balancing existing diffusers and return, to allow for outside air to new air flow, extend and connect new supply duct from air handler to existing supply and return duct trunks, supply and install gravity relief vents and connect to existing ductwork.

DEVITA provided probable cost estimates, project manuals, mechanical and electrical drawings, and specifications for bidding. Cost: $436,000.

Williams Hall

a.	(1) FIRM NAME DeVita & Associates, Inc.	(2) FIRM LOCATION *(City and State)* Durham, NC	(3) ROLE Mechanical and Electrical Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 5

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Elizabeth City State University Viking Towers HVAC and Controls Renovation Elizabeth City, North Carolina	2021	2022

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Elizabeth City State University	Melanie Baker	252.335.3791

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT ***(Include scope, size, and cost)***

DEVITA provided mechanical, electrical, and building controls engineering design services for Viking Towers on this campus. By doing in depth field surveys DEVITA was able to determine the most cost-effective means of getting this three-story dorm building back on-line with energy efficient performance. Scope of work includes providing a control system upgrade to communicate with the campus central control system with all associated piping, ductwork, programming, and electrical work for a complete working system. Provisions included all new condensate drains with p traps to be run to closest existing drains for all air handling units and equipment with cooling coils

DEVITA provided probable cost estimates, project manuals, mechanical and electrical drawings, and specifications for bidding. Cost: $220,000.

Viking Towers

a.	(1) FIRM NAME DeVita & Associates, Inc.	DEVITA	(2) FIRM LOCATION *(City and State)* Durham, NC	(3) ROLE Mechanical and Electrical Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 6

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Elizabeth City State University University Towers HVAC Replacement & Controls Renovation Elizabeth City, North Carolina	2021	2022

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Elizabeth City State University	Melanie Baker	252.335.3791

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT ***(Include scope, size, and cost)***

DEVITA provided mechanical and building controls engineering design services for University Towers on campus. By doing an in-depth field survey DEVITA was able to determine the most cost-effective means of getting this building back on-line with energy efficient performance. DEVITA provided probable cost estimates, project manuals, mechanical and electrical plans/specs for bidding.

The scope of work included the removal and replacement of (1) chiller, (with 110 ton air cooled chiller), (28) air handlers, (11) fan coil units and (1) pump, excavation and installation of new pre-insulated undergrounf piping to chiller with heat tracing as required, piping valves and fittings at all units, including CHW/HW drains with auxiliary drains, removal and replacement of ductwork and reinstallation of smoke detectors and shut down wiring for AHU & FCU, insulation, wiring, and Test & Balancing. Cost: $1,205,533.

University Towers

a.	(1) FIRM NAME DeVita & Associates, Inc.	(2) FIRM LOCATION *(City and State)* Durham, NC	(3) ROLE Mechanical & Electrical Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 7

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Elizabeth City State University University Suites HVAC Renovation Elizabeth City, North Carolina	2021	2022

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Elizabeth City State University	Melanie Baker	252.335.3791

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT ***(Include scope, size, and cost)***

DEVITA provided mechanical, electrical, plumbing, and building controls engineering design services for University Suites on campus.

After DEVITA's initial work on Viking Towers, Williams Hall, Jenkins Science Hall, and University Towers, DEVITA was asked to provide a study for University Suites' existing HVAC systems. DEVITA was since released to proceed on the engineering for this project. We found through our site investigation that there was negative building pressure, meaning that the air conditioning system exhausted more air than was brought in. This was creating excessive humidity issues. We engineered a means to create positive pressure in the building. We also found the bathroom fans ran continuously, and this, combined with undersized ductwork, created insufficient air conditioning in the corridors. We recommended new DOAS units to remediate the situation. Cost: $600,000.

University Suites

a.	(1) FIRM NAME DeVita & Associates, Inc.	(2) FIRM LOCATION *(City and State)* Durham, NC	(3) ROLE Mechanical and Electrical Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 8

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Lenoir County Administrative Office Building Renovation Kinston, NC	2022	2023

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Lenoir County Government	b. POINT OF CONTACT NAME Adam Short	c. POINT OF CONTACT TELEPHONE NUMBER 252.559.2260 ext. 7249

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

DEVITA was recently awarded the design and engineering of MEP systems for the Administrative Office Building. Three different HVAC systems were initially studied and considered for the buildings:

- **Variable Refrigerant Flow (VRF)**
- **Traditional boiler/chiller with central air handling units and VAV boxes**
- **Packaged rooftop units with VAV boxes**

The Administrative Building will have a Variable Refrigerant Flow (VRF) system with a new DOAS, starting with the upper floor and moving to the lower floor. This allows us to maintain the existing HVAC units in place as the new units are installed. This was chosen as the most cost effective/energy efficient system, based on life-cycle analysis. The HVAC renovation will include a new open-protocol building automation system for communication with county-wide systems. We are currently developing phased construction plans for the Administrative Office Building as it will remain occupied during construction. Cost: $900,000.

Scope of work items include:

- **Design power distribution systems to suit the HVAC renovation for the facilities.**
- **Perform structural evaluation of roof to accommodate proposed new HVAC equipment load.**
- **Coordinate code requirements with appropriate city, county, and state officials.**
- **Prepare specifications for mechanical and electrical systems using Masterspec format.**
  Provide bidding services such as addenda, and attendance at pre-bid meeting.
- **Prepare and advertise the bid documents for bidding.**
- **Provide preconstruction kick off meeting.**
- **Provide construction administration services**
- **Prepare project closeout documents, including record drawings from contractor's as-built drawings.**

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	DeVita & Associates, Inc.	Charlotte, NC	Mechanical, Electrical, Plumbing & Structural Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 9

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Lenoir County Courthouse HVAC Renovation Kinston, NC	2022	2023

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Lenoir County Government	b. POINT OF CONTACT NAME Adam Short	c. POINT OF CONTACT TELEPHONE NUMBER 252.559.2260 ext. 7249

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT ***(Include scope, size, and cost)***

DEVITA was recently awarded the engineering design of MEP systems for the Lenoir County Courthouse. New air handling units and new outdoor chillers will be installed in phases to serve the courtrooms, magistrate, jail, and office areas. The new DOAS systems will be ducted in part through existing chases that we discovered during our surveys of the 1932 historic building. The 1982 Courtrooms will have a new catwalk system installed above the ceilings in the corridors for safe access to VAV boxes outside the high-ceilinged courtrooms. HVAC systems will be modular with new energy efficient chillers, air handling units, and DOAS units to provide the lowest total cost of ownership for the county. Energy efficiency is a high priority for the county. HVAC renovations will also include a new building automation system and create a backbone for a county wide building automation system. The building will be occupied during the renovations. Phasing is critical to the success of these projects and our thorough planning will help minimize downtime and allow courts to be open. Cost: $1,000,000.

Scope of work items include:

- **Design power distribution systems to suit the HVAC renovation for the facilities.**
- **Perform structural evaluation to accommodate proposed new HVAC equipment load.**
- **Coordinate code requirements with appropriate city, county, and state officials.**
- **Prepare specifications for mechanical and electrical systems using Masterspec format.**
- **Provide bidding services, addenda, and attendance at pre-bid meeting.**
- **Prepare and advertise bid documents for bidding.**
- **Provide preconstruction kick off meeting.**
- **Provide construction administration services.**
- **Prepare project closeout documents, including record drawings from contractor's as-built drawings.**

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
a.	(1) FIRM NAME DeVita & Associates, Inc.	DEVITA	(2) FIRM LOCATION *(City and State)* Charlotte, NC	(3) ROLE Mechanical, Electrical and Plumbing Engineering

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 10

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
Lenoir County Pink Hill Gym Renovations Kinston, NC	2022	2023

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Lenoir County Government	Adam Short	252.559.2260 ext. 7249

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

DEVITA was recently awarded the design and engineering of the mechanical, electrical, and plumbing systems for the Pink Hill Gymnasium.

DEVITA recommended packaged outdoor air handling units for conditioning the Pink Hill Gymnasium. A simple BAS system will communicate with the overall BAS system that is being designed for the Administrative Office Building and Courthouse renovation projects. New building envelope improvements are part of the project along with new electrical service upgrades to serve the new air handling unit(s). We recommended the design of a packaged outdoor air handling unit as the best solution to air conditioning the gym. Depending on natural gas availability at the site, we may design a combined heating and cooling package unit. If not, we may specify electric heat in the proposed unit(s). The building will be occupied during the renovations so phasing will be planned for construction. Cost: $300,000.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
a.	DeVita & Associates, Inc.	Charlotte, NC	Mechanical, Electrical and Plumbing Engineering

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Michael Rogers, PE, LEED AP, HFDP	**Principal/ Mechanical Engineer of Record**			X	X	X	X	X	X	X	X
Kim Wooten, PE, LEED AP	**Electrical Engineer of Record**	X	X	X	X	X	X	X	X	X	X
Jonathan Rhoads, PE	**Electrical Designer**	X	X	X	X	X		X			
Ryan Gray, PE	**Electrical Quality Control / Peer Review**	X									
Keith Mattison, PE	**Mechanical Quality Control / Peer Review**			X	X	X	X	X			
Daniel Clauser, EIT	**Mechanical Designer**			X	X	X	X	X	X	X	X
Derk Beutler, FPET, CPD, ARCSA AP	**Sr. Fire Protection/Plumbing Designer**	X		X	X	X	X	X	X	X	X
Debra Chez, LEED GA	**Project Coordinator**		X	X	X	X	X	X	X	X	X

29. EXAMPLE PROJECTS KEY

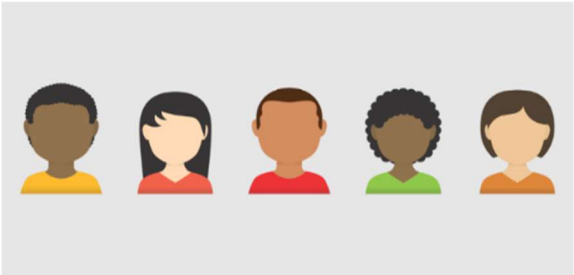
NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	**University North Carolina Greensboro – Curry Building Fire Alarm Replacement**	**6**	**Elizabeth City State University –University Towers HVAC and Controls Renovations**
2	**University North Carolina Greensboro – Gove Student Health Center Generator Addition**	**7**	**Elizabeth City State University –University Suites HVAC and Controls Upgrades**
3	**Elizabeth City State University – Jenkins Science Hall HVAC and Controls Upgrades and Renovations**	**8**	**Lenoir County Government – Administrative Office Building MEP Renovations**
4	**Elizabeth City State University - Williams Hall HVAC Upgrades and Repairs**	**9**	**Lenoir County Government – Courthouse MEP Renovations**
5	**Elizabeth City State University - Viking Towers HVAC and Controls Renovation**	**10**	**Lenoir County Government – Pink Hill Gymnasium MEP Renovations**

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

WHY DEVITA / SGA NW / Watlington Engineering:

- Knowledge and familiarity with NC public project procurement, bidding, and permitting processes.
- Expertise on small mechanical and electrical repair projects.
- Detailed field surveys and studies will avoid change orders during construction.
- Provision of phasing logistics and design strategies for shutdowns and turnovers to minimize disruptions to operations, students, and staff.
- In-house structural engineering support readily available for coordination, as may be required.
- Architect team member to provide architectural specifications for repair and replacement of finishes impacted by our scope of work such as paint, ceiling tile, and flooring and intumescent paint.
- DEVITA staff is from all sides: Contractors, construction project managers, and design engineers. We execute projects with effective communication among all team members – Owner, Engineer, and Contractors.
- DEVITA is providing project experience opportunity to a small, qualified start up a HUB/MWBE engineering firm in North Carolina through our Mentor/Protégé program.
- DEVITA will continue to commit to encourage, promote, and manage additional HUB/MWBE participation. DEVITA will work hard on your behalf and with your designated administrative staff assigned to this effort, to support HUB/MWBE contractor participation for construction. We accomplish this by calling and extending an invitation to HUB/MWBE contractors and follow up with them during the bid period to encourage their participation. We emphasize HUB/MWBE participation with all prospective bidders at the pre-bid conferences and walk through's and follow up during construction to make sure a good faith effort is made for HUB participation by the contractors.



I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE	32. DATE
Michael A. Rogers	8/17/2022

33. NAME AND TITLE
Michael A. Rogers, PE, LEED AP, HFDP
Principal

ARCHITECT ENGINEER QUALIFICATIONS	1. SOLICITATION NUMBER *(If any)* 287-19-21594-01

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME	3. YEAR ESTABLISHED	4. UNIQUE ENTITY IDENTIFIER
DeVita & Associates, Inc. (MEPS DIVISION)	**1984**	**00178050316**

2b. STREET	5. OWNERSHIP
215 Regency Executive Park Drive, Suite 315	a. TYPE **Corporation**
2c. CITY **Charlotte** / 2d. STATE **NC** / 2e. ZIP CODE **28217**	b. SMALL BUSINESS STATUS **Yes**
6a. POINT OF CONTACT NAME AND TITLE **Michael A. Rogers, PE, LEED AP, HFDP, Principal**	7. NAME OF FIRM *(If block 2a is a branch office)* **DeVita & Associates, Inc.**
6b. TELEPHONE NUMBER **980.312.5305** / 6c. E-MAIL ADDRESS **mrogers@devitainc.com**	

8a. FORMER FIRM NAME(S) *(If any)*	8b. YR. ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH*	a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
02	Administrative	**9**	**1**	A05	Airport Lighting/Fueling	**1**
21	Electrical Engineer	**8**	**2**	A06	Airport Terminal/Hangars	**1**
	Electrical Designer	**10**	**1**	A11	Auditoriums/Theaters	**1**
42	Mechanical Engineer	**7**	**1**	C06	Churches	**2**
	Mechanical Designer	**15**	**6**	C10	Commercial/Low Rise/Shopping Centers	**4**
48	Project Manager	**5**		C13	Computers/Data Centers	**1**
	BIM Manager	**1**	**1**	D07	Dining Halls/Restaurants	**5**
57	Structural Engineer	**2**		E02	Education Facilities/Classrooms	**2**
				G01	Garages/Parking Decks	**1**
				H01	Harbors/Piers	**1**
				H09	Hospitals/Medical Facilities	**2**
				H10	Hotels/Motels	**1**

				H11	Multi-family/Residential	**5**
				I01	Industrial	**2**
				I03	Water/Waste Treatment Facilities	**1**
				M08	Modular Systems	**1**
				O01	Office Buildings	**4**
				R04	Recreation/Parks	**1**
				S06	Solar/PV	**1**
				W01	Warehouse/Distribution	**2**
				__	Commissioning MEP	**1**
				F03	Fire Protection Design	*
				H04	HVAC Design	*
				__	Electrical Design	*
				P07	Plumbing and Piping Design	*
Total		57	12**		* These design revenues are Included in the market codes	

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS *(Insert revenue index number shown at right)*	
a. Federal Work	
b. Non-Federal Work	7
c. Total Work	**7**

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000.
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE

8/17/2022

c. NAME AND TITLE

Michael A. Rogers, PE, LEED AP, HFDP

Principal

****Branch operations as defined by North Carolina (Durham + Charlotte)**

ARCHITECT-ENGINEER QUALIFICATIONS | SF330 PART II – GENERAL QUALIFICATIONS

1. SOLICITATION NUMBER

2a. FIRM (OR BRANCH OFFICE) NAME
SGA|NW, a GF design company

3. YEAR EST.

4. DUNS NO.
84-2860103

2b. STREET
2459 Wilkinson Blvd., Suite 120

5. OWNERSHIP

a. TYPE
C Corporation

2c. CITY
Charlotte

2d. STATE
NC

2e. ZIP CODE
28208

b. SMALL BUSINESS STATUS
No

6a. POINT OF CONTACT NAME AND TITLE
Doug Burns, AIA, Principal-in-Charge

7. NAME OF FIRM *(If block 2e is a branch)*
SGA|NW, a GF design company

6. TELEPHONE NUMBER
704.877.3181

8. E-MAIL ADDRESS
dburns@sganwdesign.com

8a. FORMER FIRM NAME(S) *(If any)*

	3. YEAR EST.	4. DUNS NO.
The Litchfield Company Architecture & Engineering Division	1984	60-3367913
Steven Goggans & Associates, Inc. (1987);	1987	60-3367913
NarmourWright Architecture	1971	56-2191416
SGA | NarmourWright Design	2018	84-2860103

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
02	Administrative	7	2
06	Architect	25	7
08	CAD/Revit Technician	2	1
37	Interior Designer	6	2
39	Landscape Architect	4	0
	Designers/Intern Architect	13	8
	Landscape Designers	2	0
	Construction Administrator	2	2
	Other Employees		
	Total	61	22

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
C06	Churches, Chapels	4
C10	Commercial Building (Low Rise)	3
C11	Community Facilities	3
D07	Dining Halls; Clubs; Restaurants	3
E02	Educational Facilities; Classrooms	5
F02	Field Houses	2
H08	Historic Preservation	3
H11	Housing (Residential, Multi-Family, Condo)	7
I05	Interior Design; Space Planning	3
L03	Landscape Architecture	4
P05	Planning (Community, Regional)	3
P06	Planning (Site, Installation & Project)	2
R04	Recreational Facilities (Parks, Marinas, etc.)	3
R06	Rehabilitation (Buildings, Structures, Facilities)	2
R12	Roofing	3
S11	Sustainable Design	2
S12	Swimming Pools	2
U02	Urban Renewals; Community Development	3
Z01	Zoning; Land Use Studies	1

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS
(Insert revenue index number shown at right.)

a. Federal Work	0
b. Non-Federal Work	6
c. Total Work	6

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE
August 15, 2022

c. NAME AND TITLE
Douglas C. Burns, AIA, Principal-in-Charge