



**Full Board Meeting  
July 13, 2022**

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**Action Item**

**BOT 2.4 – Approval of Designer Selection Cone Art Building Lighting and Controls  
Replacement Phases 2 and 3**

**Background Information**

The Art Museum's 2015 Facility Condition Assessment Program (FCAP) report noted that the lighting infrastructure, including the dimming controls and track systems, is obsolete and damaged. UNCG completed the first phase of the lighting project. The project's subsequent phases will address the remaining galleries and public spaces (Auditorium, Lobby, Atrium). The scope includes replacing lighting fixtures, controls, and new gallery ceiling areas and window shades. Phased implementation will be necessary to accommodate the Museum's exhibit schedule and minimize disruption to occupants.

The project goal is to improve the visitor experience of the Museum, address electrical safety issues, and enhance the art collection's presentation and long-term preservation. The lighting and controls upgrades will reduce energy consumption, provide annual savings, and reduce greenhouse gas emissions.

The University of North Carolina System website advertised the request for qualifications and letters of interest for design services for this project. Three (3) 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 the three (3) firms to an interview on June 8, 2022, to present their qualifications and recommends the following in ranking order.

1. SKA/Strada
2. AEI/Pivotal
3. McKim Creed

The firm, SKA/Strada, is an Engineering and an Architectural firm and is recommended as the Designer for the following reasons:

1. They presented the most client-focused and collaborative approach to the project. The Committee was most engaged by the enthusiasm and details the team presented for the project.
2. SKA/Strada assembled the most comprehensive team to meet the project's requirements.
3. They most effectively demonstrated risk mitigation strategies to address issues in design and construction.

**Attachment:**

*See SKA/Strada Letter of Interest below.*

**Requested Action**

Based on the above information, the Board of Trustees of the University of North Carolina at Greensboro approves the firm of SKA/Strada as designer for the Cone Art Building Lighting and Controls Replacement Project Phases 2 and 3. If agreeable terms cannot be met with the recommended firm, then the Board authorizes the administration to negotiate terms with the other firms in ranking order.



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

# UNCG CONE ART BUILDING

LIGHTING & CONTROLS REPLACEMENT PHASES 2 AND 3

## PROJECT SERVICES



ELECTRICAL  
ENGINEERING



CONDITION  
ASSESSMENTS



REPAIR/  
RENOVATION



CONSTR.  
ADMIN.

The Cone Art Building is a memorial for the Cone family who provided so much to the campus but is also an important public facing museum venue which serves the University and the larger community. A building which needs to be sustained for years of future service to the community.

**SKA**  
CONSULTING  
ENGINEERS



# 1 Submittal Checklist



- Info Sheet  
See page 4.
- Letter of Interest  
See page 6.
- Project Team Org Chart  
See page 8.
- Specialized or appropriate expertise in the type of project  
See pages 9-17, also see SF 330 Forms starting on page 29.
- Past performance on similar projects  
See pages 19-22, also see SF 330 Forms starting on page 29.
- Current workload and State projects awarded  
See page 23.
- Proposed design approach for the project  
See page 24.
- Recent experience with project costs and schedule  
See page 24.
- Construction administration capabilities  
See page 25.
- Proximity to and familiarity with the area where the project is located  
See page 25.
- Record of successfully completed projects without major legal or technical problems  

At this time, SKA has one pending claim against our company on a condominium project in Charleston, SC. The validity of this claim is currently being investigated. This is the only claim against SKA in the past decade. We have an outstanding track record with regard to claims due in large part to our intense focus on quality. Given that we participate in over 600 projects every year, claims are inevitable. On the rare occasion that a dispute has occurred with regard to our services, SKA has consistently responded with integrity and a sincere desire to resolve issues in a manner that maintains a positive relationship with our client. Over 80% of our business comes from repeat clientele – relationships and reputation are extremely important to us.
- Energy Conservation / Sustainability Experience  
See page 26.
- Minority Business Participation Plan  
See page 28.



THE UNIVERSITY of NORTH CAROLINA  
**GREENSBORO**

# Information Sheet

Firm Name

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

Point of Contact       E-mail Address

Street Address

City       State       Zip Code       County

Phone #       Fax #

Type of Firm (e.g. Architectural, Civil Engineering, Surveying, Etc)

## Consulting Firms

Architectural:	<input type="text" value="Strada"/>	<input type="checkbox"/> Check If HUB	Mechanical:	<input type="text"/>	<input type="checkbox"/> Check If HUB
Electrical:	<input type="text"/>	<input type="checkbox"/> Check If HUB	Plumbing:	<input type="text"/>	<input type="checkbox"/> Check If HUB
Structural:	<input type="text"/>	<input type="checkbox"/> Check If HUB	Civil:	<input type="text"/>	<input type="checkbox"/> Check If HUB
Landscape:	<input type="text"/>	<input type="checkbox"/> Check If HUB	Interior Design:	<input type="text"/>	<input type="checkbox"/> Check If HUB
Other (specify type):	<input type="text" value="Palacio Colaborative, Cost Estimating"/>				<input checked="" type="checkbox"/> Check If HUB
Other (specify type):	<input type="text"/>				<input type="checkbox"/> Check If HUB

April 28, 2022

UNC Greensboro  
Nina DeBusk, AIA, LEED AP  
UNC Greensboro  
105 Gray Drive  
Greensboro, NC 27412

Dear Ms. DeBusk:

SKA Consulting Engineers (SKA) is interested in providing lighting and controls replacement services for the Cone Art Building at the University of North Carolina at Greensboro (UNCG). From our experience with the Foust Building, we know first hand the concerns in updating to modern systems and elevators. We are aware of the challenges involved with this type of project and look forward to upgrading the lighting system for our UNCG partners. Joining our team is Melissa Wolter, AIA, from Strada Architects, a firm who has long served the higher education community with expertise on projects such as UNCG Cone Art building. Rounding out the team is minority firm Palacio Collaborative, who will bring their expertise in cost estimating. Our team's location and expertise makes SKA uniquely qualified to provide engineering and architectural services for the benefit of UNCG.

### Why Choose SKA / Strada / Palacio?

#### We Know UNCG

As we have always done, our goal is to provide exceptional service to UNCG at a reasonable price. SKA has extensive experience with UNCG having completed over 250 projects since 1963. Recent projects include Foust Building Electrical Upgrades, Carmichael Building Electrical Upgrades and 26 Dorms Condition Assessment.

#### Electrical Upgrade Projects are Extensive

SKA has extensive experience designing electrical systems. This includes designing projects at UNCG, NC A&T, ASU, the Greensboro Coliseum, ECU, Moses Cone, Wesley Long, RJ Reynolds, TE Connectivity, Lincoln Financial, Buncombe County Courthouse, WSSU, Guilford County Schools, Buncombe County Schools, and many others.

#### Experienced Team for The Cone Art Project

You will be in good hands with our experienced team:

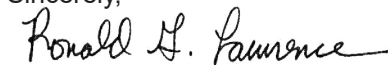
- 2 Licensed Electrical Engineers (PE's) with approximately 68 years of combined experience
- 1 Licensed General Contractor
- 1 Licensed Electrical Contractor
- 2 Electrical Designers (EI) with approximately 19 years of experience
- 2 Electrical Technicians with approximately 53 years of combined experience

#### Proximity

SKA's headquarters are in Greensboro, sharing the same home and community as UNCG. Our proximity to campus enable us to respond quickly and consistently to campus needs and also help to control costs with reduced travel time for meetings, site visits and construction observations.

We look forward to teaming with UNCG on this project and for years to come.

Sincerely,



Ron G. Lawrence, PE  
Project Manager

# UNC GREENSBORO



PM / ELECTRICAL ENGINEER



RON LAWRENCE, PE

ELECTRICAL DESIGNER



ANDY FLYNT, EI

ELECTRICAL DESIGNER



KENZIE OAKES, EI

**STRUCTURAL ENGINEER**

STRUCTURAL ENGINEER



AARON BOPP, PE,  
LEED AP BD+C

**ARCHITECT**

**Strada**

ARCHITECT



MELISSA WOLTER, AIA

**COST ESTIMATOR**

**PALACIO**

**MWBE**

MINORITY AND WOMEN  
BUSINESS ENTERPRISE

ESTIMATOR



TONY MURPHY



## CONSULTING ENGINEERS

## FIRM OVERVIEW

### COMPANY DATA

- Durham Office Opened in 2020
- Founded in 1957 in Greensboro, NC
- Currently, seven offices in NC, VA, and SC
- 50 design awards and rankings
- Registered in 18 states; licensed in 17 states
- 90 employees

### CORE COMPETENCIES

#### STRUCTURAL

Design & Consulting	Prime Design & Project Mngmt
Load Capacities & Structural Analysis	Finite Element Modeling
Structural Monitoring & Testing	Building Information Modeling
Specialties (see below)	(BIM)

#### BUILDING ENVELOPE

Design & Consulting	Commissioning
Roofing-Waterproofing-Facade	Flashing-Sealants-Coatings
Corrosion Detection & Remediation	Registered Roof Observers
Specialties & Testing (see below)	

#### TESTING

Moisture & Thermal Modeling	Water Testing: Veneers,
Infrared Thermography	Windows, Doors
Electronic Leak Detection	Concrete Reinforcing Corrosion
Concrete Chloride	Concrete Moisture Content
Concrete Carbonation	Concrete Bond
Concrete Cover	Additional Testing Available

#### MECHANICAL ELECTRICAL PLUMBING FIRE PROTECTION

Design & Consulting	Commissioning	Arc Flash Analysis
Short Circuit Analysis	Building Information Modeling (BIM)	
Energy Modeling	Specialties (see below)	

#### SPECIALTIES

Forensic Investigation	Litigation & Insurance	Condition Assmt
Special Inspection	Construction Administration	Peer Review
Repair & Renovation		

SKA is a national, award-winning, multidisciplinary engineering firm established in 1957 and headquartered in Greensboro, North Carolina. We provide **MEP, fire protection, and structural** engineering services, as well as comprehensive **building solutions**, for clients across the United States and Mexico. Since 1990, SKA has an entire division of the firm, the **Building Solutions Group**, dedicated to assessing, investigating, and repairing existing structures. Our clients select SKA for its reputation and commitment to quality, integrity, and innovation. SKA successfully serves clients across a broad range of market sectors, including: entertainment, hospitality, education, athletics, commercial, industrial, healthcare, multifamily housing, parks, water resources, and religious. Multi-use projects have always been an essential element to SKA's long-term business plan.

### KEY DIFFERENTIATORS

- Understand nuances of renovation and repair work
- Build partnerships that go beyond the project
- Multi-disciplined firm providing comprehensive building engineering services for our clients
- New design experience combined with knowledge from investigations and repair project

### LOCATIONS



### MEMBERSHIPS





# DESIGN WITH PEOPLE IN MIND®

At Strada, we create physical connections that forge social connections. Founded and led by a team of seasoned professionals, Strada is a cross-disciplinary design firm where collaboration among architects, interior designers, urban designers, landscape architects, and graphic designers is vital to creating places that people enjoy.

We task ourselves with producing well-conceived, well-crafted work that spans all scales, from the smallest of details to complete master plans. We refer to this as **Design with People in Mind®**.

## SERVICES

Architecture  
Interior design  
Landscape architecture  
Exhibit design  
Graphic design  
Historic preservation  
Urban design  
Sustainable design

## SECTORS

Education  
Corporate  
Workplace  
Science + tech  
Hospitality + retail  
Museum + exhibit  
Residential Community

## EDUCATION EXPERIENCE

**30+**

Educational Clients

**2,000,000+**

Total Sq. Ft. of Education Projects

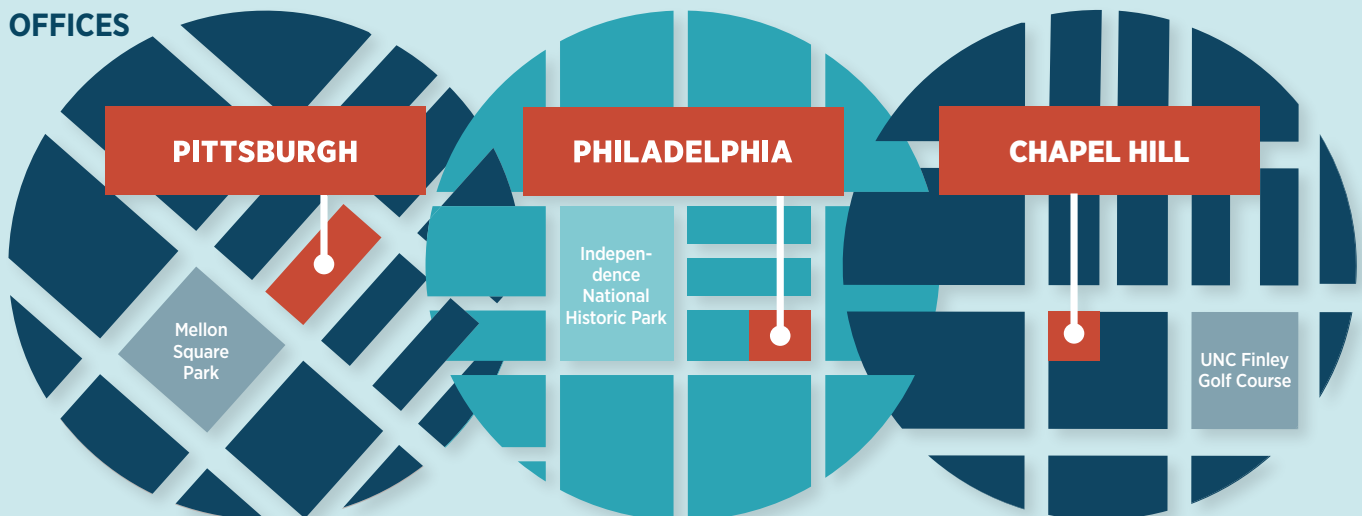
**85%**

Renovations & Additions of Existing Building

**320,000,000+**

Total Construction Cost of Education Projects

## OFFICES



**Designing with people in mind since 2000.**

# FIRM PROFILE

## Firm Overview

Palacio Collaborative is a minority-owned full service construction cost management firm with 7 locations serving clients nationwide. A certified DBE, MBE, and NC HUB firm, their team has over 150 years of combined team experience in providing higher education institutions accurate construction cost estimates through innovative tools and proactive collaboration. Palacio has completed a wide variety of projects on over 90+ campuses across the nation such as \$150 Million academic campuses to 500 sf ADA renovations. They have estimated 500+ higher education projects nationwide including 36 UNC System projects with 6 on the UNCG campus. Additionally, they have estimated over 20 visual arts projects.

## Firm Highlights

- **Establishment:** Founded in 2006, S-Corporation, DUNS #790798081
- **Staff Resources:** We have 15 employees (12 Cost Managers & 3 Operational Staff) located in 7 offices serving clients nationwide.
- **Capabilities:** Our services include preliminary budgeting/budget verification, conceptual cost modeling/estimating, design phase estimating, alternatives pricing, value engineering, sustainable design impact analysis, and contractor estimate review and reconciliation.
- **Minority Certifications:** We currently hold multiple minority designations including in Georgia (DBE, MBE), North Carolina (DBE, MBE, NC HUB), Texas (DBE), and Virginia (SWaM).
- **Litigation:** Palacio Collaborative has never had any claims made against us related to professional conduct or services.

## Firm Relevant Experience

### Key Differentiators

- 90+ university and college campuses projects were completed on
- 500+ higher education projects estimated nationwide
- 85+ NC university and college projects estimated
- 36 UNC system projects estimated
- 6 UNCG projects estimated
- 20+ visual arts/museum projects estimated
- Explore [recent higher ed projects](#) on our website
- 150+ years of combined team experience in cost estimating
- 10 million square feet of firm total cost estimated in 2021
- We provide accurate & timely estimates through the use of our proprietary conceptual estimating tool - Genesys® ([learn more about this tool](#) and [our accuracy performance data](#))

SPECIALIZED OR APPROPRIATE EXPERTISE IN THE TYPE OF PROJECT

## ELECTRICAL ENGINEERING



### DESIGNING FOR PERFORMANCE

Being passionate about the design of new facilities and complex renovations, SKA understands the need for building systems to provide a comfortable and healthy environment for users in a balanced internal setting. SKA MEP collaborates closely with the client, owners, and the entire design team to understand the end user's needs, building design parameters, and objectives and then create systems to meet or exceed those objectives. Offering a complete range of MEP design services, clients receive the benefit of cumulative years of experience delivering smart solutions, while maintaining project integrity and performance goals.

### Electrical Services

- Lighting
- Power Distribution
- Telephone
- Computer/Data
- Emergency/Power Generation
- UPS Systems
- Medium Voltage Systems
- Arc Flash Power Analysis
- Lightning Protection
- Short Circuit Coordination
- Fire Alarm Systems
- Security Systems
- Other Low Voltage Systems

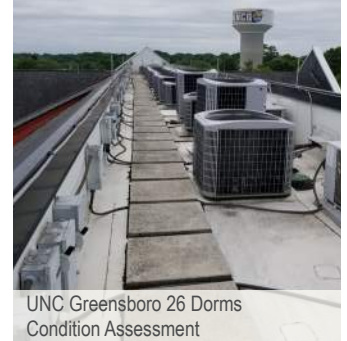
#### PROXIMITY

SKA is based in Greensboro, NC, and can be on-site in **eighteen minutes**. SKA will provide electrical engineering, assessment, bidding, and construction administration services.

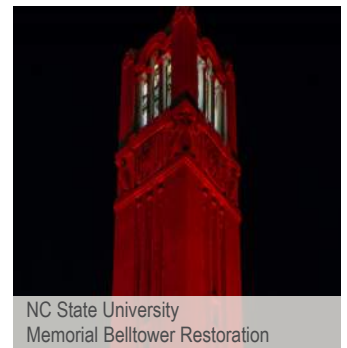




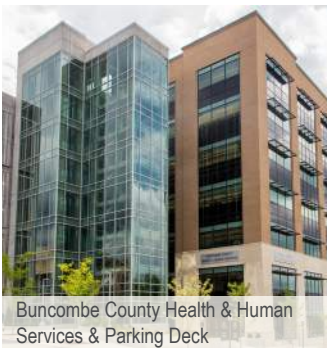
RJR Reynolds  
Kimpton Hotel Renovation



UNC Greensboro 26 Dorms  
Condition Assessment



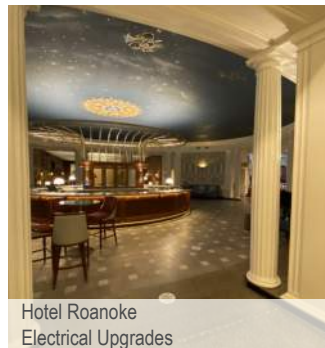
NC State University  
Memorial Belltower Restoration



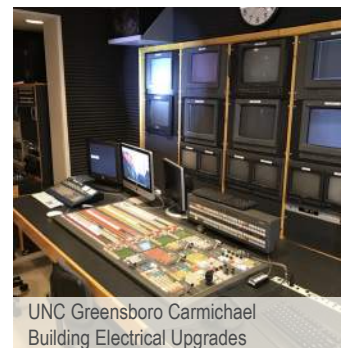
Buncombe County Health & Human  
Services & Parking Deck



Siler City Town Hall  
MEP Upgrades



Hotel Roanoke  
Electrical Upgrades



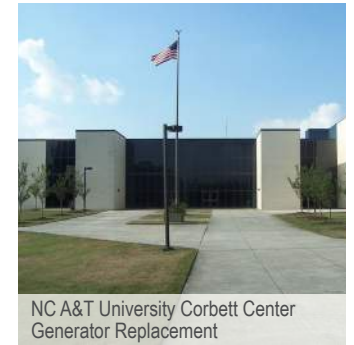
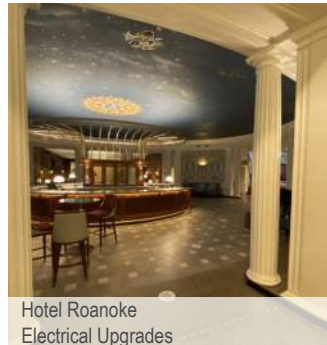
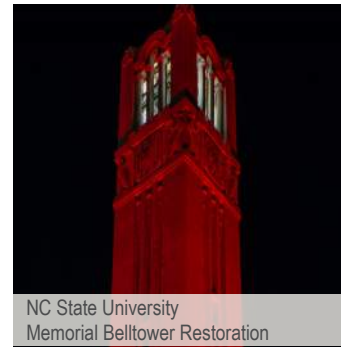
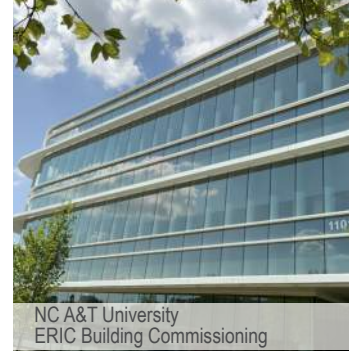
UNC Greensboro Carmichael  
Building Electrical Upgrades



QUALITY. INTEGRITY. INNOVATION.

**RON LAWRENCE** is the assistant department manager for the mechanical, electrical, plumbing, and fire protection services at SKA. Ron's extensive engineering experience includes project management, studies, peer reviews, condition assessments and arc-flash analysis. His design experience includes lighting, normal and emergency power distribution, telecommunications, security and TV distribution, fire alarm, contract documents, specifications and construction administration.

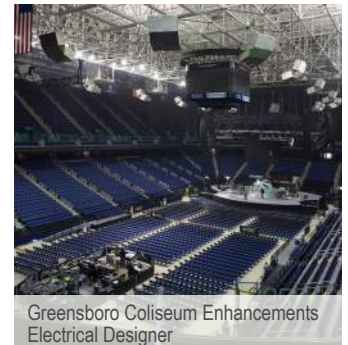
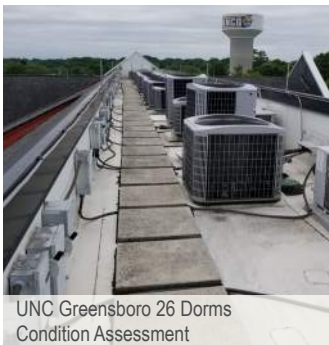
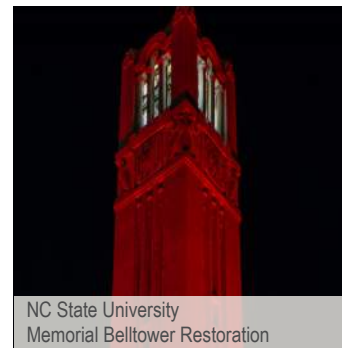
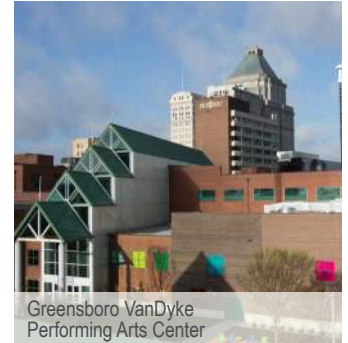
BS | Electrical Engineering  
UNC Charlotte  
registered  
North Carolina - Engineer  
North Carolina - Electrical  
Contractor  
North Carolina, Virginia - GC  
**35 years**  
experience



QUALITY. INTEGRITY. INNOVATION.

**KENZIE OAKES** is an Electrical Engineer Intern and graduated from NC State University with a BS in Electrical Engineering. She assists other engineers and designers with the various electrical aspects of a project, including lighting, power, and fire alarm design.

**NC State University**  
BS Electrical Engineering  
**registered**  
EI - North Carolina  
**5 years**  
experience



QUALITY. INTEGRITY. INNOVATION.

**ANDY FLYNT** is a Senior Electrical Designer for SKA's mechanical, electrical, plumbing and fire protection department. His engineering experience includes electrical design and construction administration services. Specific design experience includes power, lighting, security, telephone, data, fire alarm, and emergency distribution systems.

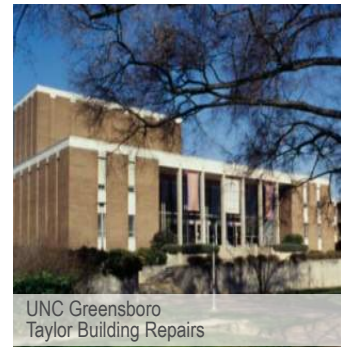
BS | Electrical Engineering  
North Carolina State University  
registered  
North Carolina - Engineering  
Intern  
**19 years**  
experience



Greensboro Coliseum  
Renovations



Greensboro VanDyke  
Performing Arts Center



UNC Greensboro  
Taylor Building Repairs



UNC Greensboro  
Quad Dorms



UNC Greensboro  
26 Dorms Condition Assessment



UNC Greensboro  
Nursing and Instructional Building



UNC Greensboro  
Brown Hall Theater Repairs



**AARON BOPP** serves as a Principal Engineer and project manager in the Structural Engineering Group as well as handling the responsibilities of the Director of Operations for SKA. His primary design responsibilities include structural designs and analysis, preparation of construction documents and construction contract administration. Aaron has also served as the Special Inspector of Record on numerous projects over the past decade. Throughout his career, he has gained extensive experience in the educational, institutional, commercial and mixed use facility markets, with a focus on the design and repair of structural steel, masonry and reinforced concrete structures of all shapes and sizes.

BS Civil Engineering  
Virginia Tech  
Pratt Fellowship  
recipient  
registered  
North Carolina, Georgia,  
Indiana, Nevada  
22 years  
experience  
member  
AISC, ASCE, A4LE, CEN,  
CPN, NSPE, SEA, USGBC



**Melissa Wolter** AIA, LEED AP BD+C, CDT  
Senior Associate | Architect



Inspirational Leader



Expert Code Navigator



Attention to Detail

**“Quality design is rooted in the experience offered to clients during the design process, and lives in the spaces created. A passionate team, committed to an intentional process is best positioned to deliver the quality necessary to inspire moments and create enriching experiences for the future of the project.”**

Melissa is a proven leader with 16 years of experience managing projects, and coordinating technical aspects throughout market sectors. She is skilled at balancing multifaceted positions, a trusted leader, team member and a natural motivator.

Melissa possesses advanced comprehension of codes, guidelines and regulatory agencies. She is flexible, adaptive and organized, bringing consistency and quality to all aspects of project and team management.



EDUCATION

Arizona State University  
Master of Architecture

University of Minnesota  
Bachelor of Science in Architecture



INVOLVEMENT

American Institute of Architects (AIA)

Construction Specifications Institute (CSI)

NAWIC (National Association of Women in Construction)



PROJECT EXPERIENCE

Arizona State University\*  
Greek Leadership Village  
Residences + Community Center  
*Tempe, Arizona*

Gila River Indian Community\*  
Huhugam Heritage Center  
Expansion + Alterations  
*Chandler, Arizona*

Scottsdale Airport\*  
Aviation Business Center +  
Executive Hangars  
*Scottsdale, Arizona*

Midwestern University\*  
Science Building  
*Downers Grove, Illinois*

City of Goodyear\*  
Community Recreation Center  
*Goodyear, Arizona*

UNC – Chapel Hill\*  
Emergency Operation Center  
*Chapel Hill, North Carolina*

UNC – Chapel Hill\*  
Abernethy Hall Renovation  
*Chapel Hill, North Carolina*

UNC – Chapel Hill\*  
Phillips Hall Lab  
*Chapel Hill, North Carolina*

Valleywise Health\*  
North + South Community

919.521.8465

[mwolter@stradallc.com](mailto:mwolter@stradallc.com)

*\*indicates experience prior to joining Strada.*










In 2019, SKA worked with a local architect to renovate the main lobby, bars, and kitchen areas at Hotel Roanoke & Conference Center. Design consisted of providing extensive decorative lighting and working with a kitchen equipment vendor to accommodate the new kitchens. The project scope also included converting an existing guest room into additional bathrooms and working with a landscape architect to provide patio, landscape, and site lighting for the new landscape design.

The Hotel Roanoke was built in 1882 by the Norfolk and Western Railroad in Roanoke, Virginia. It's original 34 rooms grew to 384 rooms by 1989 when it was donated to the Virginia Polytechnic Institute and State University. In 1995, a major renovation added a conference center, and in 1996, the hotel was listed on the National Register of Historic Places. SKA has been instrumental in the MEPFP design of the latest 2019 renovations to several of the main hotel social venues.

Key SKA Team Members: Ron Lawrence, PE, Project Manager; Kenzie Oakes, Electrical Engineer; Andy Flynt, Electrical Engineer

**SERVICES**

 <b>Structural</b>	 <b>Mechanical</b>	 <b>Electrical</b>
 <b>Plumbing</b>	 <b>Fire Protection</b>	

**PROJECT TEAM**

 <b>THE HOTEL ROANOKE &amp; CONFERENCE CENTER</b>	 <b>DESIGN SHOP</b>
	







The Van Dyke Performance Space was an addition to the Greensboro Cultural Arts Center. The addition provided a flexible performance space for Greensboro’s performing arts community. The 7,500 square foot Performance Space addition included a shock-absorbing stage and seating for 300 as well as back of house dressing rooms and toilets for the performers. SKA provided engineering design and construction administration services for structural and MEPFP systems. The project completed within scope, budget and schedule.

Key SKA Team Members: Aaron Bopp, PE, Structural Engineer; Andy Flynt, EI, Electrical Engineer

**SERVICES**

**PROJECT TEAM**

 <b>Structural</b>	 <b>Electrical</b>
 <b>Mechanical</b>	 <b>Plumbing</b>

 The City of <b>GREENSBORO</b>	 <b>ARTS</b> GREENSBORO
 <b>SKA</b> CONSULTING ENGINEERS	



SKA was selected to provide electrical engineering services for the renovation of the former Reynolds American, Inc. headquarters in downtown Winston-Salem. The iconic building, which was completed in 1929 and was a model for the Empire State Building in New York City, was purchased in June for \$7.8 million by PMC Property Group of Hartford, Conn. PMC spent \$60 million to convert the building into a mixed-use facility that includes a boutique hotel and restaurant, managed by the Kimpton Hotel & Restaurant Group of Philadelphia, on the bottom six floors. The seventh through twentieth floors were converted to 120 luxury rental apartments. SKA produced the engineering drawings for the entire electrical system, including new fire alarm, power and data communication lines throughout the building, as well as separate meters for the hotel, restaurant and each apartment. SKA also completed arc flash coordination among the overcurrent protective devices to limit the effects of an overcurrent fault to the smallest area and to protect equipment and personnel from short circuit faults.

Key Team Members: SKA - Bob Earnhardt, Electrical Engineer; Brad Anderson, Electrical Designer; Strada - Sean Beasley, AIA, Sam Kriegler, EI

**SERVICES**



Electrical

**PROJECT TEAM**

**PMC**Property Group

**Strada**

**SKA**  
CONSULTING  
ENGINEERS



This project will complete installation of a 55 bell carillon in conjunction with the repair, restoration and preservation of NC States iconic Memorial Belltower. Improvements will address tower accessibility and use restrictions to permit installation of the clavier in the tower and occupancy of the clockworks level to accommodate playing the carillon on site. SKA design services include new mechanical and electrical systems which will provide for conditioned space, lighting, new clock motor and controls.

Key SKA Team Members: Ron Lawrence, Electrical Engineer; Andy Flynt, EI, Electrical Engineer; Kenzie Oakes, Electrical Engineer

**SERVICES**

**PROJECT TEAM**



Structural



Mechanical



Electrical

**NC STATE  
UNIVERSITY**

walterrobbs

**SKA**  
CONSULTING  
ENGINEERS

**NewAtlantic**  
CONTRACTING, INC.

## CURRENT WORKLOAD

This team has the capacity to commence work on this project as soon as a notice to proceed (NTP) is provided by the owner. With close to 100 professionals on staff, including 14 MEP engineers and technicians, we are able to leverage resources, as needed, to accommodate multiple concurrent projects and overlapping deadlines.



### MEP DEPT. ELECTRICAL AT SKA

- 2 Licensed Electrical Engineers (PE's) with approximately 68 years of combined experience
- 1 Licensed General Contractor
- 1 Licensed Electrical Contractor
- 2 Electrical Designers (EI) with approximately 24 years of experience
- 2 Electrical Technicians with approximately 53 years of combined experience

## STATE PROJECTS AWARDED



UNC GREENSBORO



NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY

GTCC<sup>®</sup>

GUILFORD TECHNICAL COMMUNITY COLLEGE



WASHINGTON AND LEE UNIVERSITY



PROJECT APPROACH

- Listen** ▶ SKA's project approach is focused on meeting UNCG project goals and objectives. The end goal is to provide a design that will safely support the required loads, maximizes owner budget and functions as needed for the user.
- Understand** ▶ Project related challenges and potential limitations to inform design decisions early into the project.
- Collaborate** ▶ These critical decisions investigate in part schedule, occupancy, safety, access, service life, maintenance requirements, building aesthetics, construction sequence and costs.
- Evaluate** ▶ **PRELIMINARY DESIGN**  
Consists of information gathering and processing, evaluating framing systems to establish design for cost estimating and a full vetting of potential options with the UNCG / Designer Project Team.
- Constr. Contract Admin.** ▶ **FINAL DESIGN**  
Provide superior technical and detailed drawings in a clear set of bid / construction documents.
- Constr. Contract Admin.** ▶ **CONSTRUCTION ADMINISTRATION (CA)**  
Often undervalued and overlooked, we believe CA services are one of the most important services to be offered by design professionals and are essential to the completion of a successful construction project. SKA approaches CA with a “team” mentality, resulting in the completion of a successful project from the point of view of everyone involved. We work to minimize and quickly resolve conflicts, provide design interpretation and support, and ensure quality in all aspects of construction.

RECENT EXPERIENCE WITH PROJECT COSTS AND SCHEDULE

Over 60 years in operation as a professional engineering corporation, with tens of thousands of projects completed, SKA has refined project management processes, procedures, and tools, as well as educated and trained its professional engineers to effectively manage project budgets and schedules. Our clients receive the benefit of our years of experience and project management refinement. Having over 80% of our clients as repeat clients is testament to this success.

PROJECTS	PROJECT DESCRIPTION	CONSTRUCTION COST (BID / GMP)	CHANGE ORDERS DUE TO ENG. TEAM	TIME EXTENSION DUE TO ENG. TEAM
NC State Belltower Restoration	Structural / MEP	\$5,700,000	\$18,800	0 days
Greensboro Aquatic Center	Structural / MEP	\$8,000,000	0%	0 days
Bluford STEM Cafeteria HVAC Rplc	MEP Renovations	\$159,400	0%	0 days
Buncombe Co Health Services Add.	Structural / MEP	\$39,706,000	0%	0 days

## PROXIMITY & FAMILIARITY



**We're just down the road!** You can REST COMFORTABLY knowing that SKA is within an 18 minute drive. SKA has ongoing projects at UNCG and has provided WEEKLY and sometimes DAILY OBSERVATIONS. We believe that our close proximity will further enhance our presence and responsiveness to UNCG. We have worked on numerous projects for UNCG including Foust Electrical Upgrades Phase 2, Alumni Building, Stone Building 1951 Wing masonry repair, Quad Dorm renovations, Student Recreation Center roof and facade, Student Education Center, and our first UNCG project Ayock Auditorium addition dating back to 1963. Based on past assessment and design experience, SKA has intimate knowledge of the campus of UNCG.

18

within 18  
minutes from  
project site

### SKA's philosophy regarding construction administration is for the designers and engineers of record to perform site

**observations** and review shop drawings. We have found this approach adds a layer of quality assurance that cannot be replicated. The designers understand the difficult parts of the structure and can more readily recognize missteps and field issues than other "administrators" unfamiliar with the design. We are also able to make timely decisions to keep the project moving. SKA strives to prepare and issue our field observation reports within 48 hours while also leaving a field copy of the report with the contractor prior to leaving the site.

Effective and successful construction administration begins during design. Better and more detailed construction documents result in fewer RFIs and changes in the field during construction. To minimize confusion

## CONSTRUCTION ADMINISTRATION

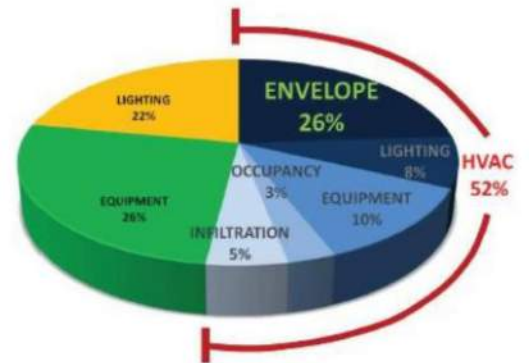
on a project, construction documents need to be clear and easy to understand. SKA takes pride in a long history of providing high-quality documents. In the more than 63 years that SKA has been engineering, there have been many "lessons learned" that have been passed onto the next generation of talent.

Successful construction administration, in our mind, provides **positive impact** on **schedule**, **costs** and **quality** of finished product. **Responsiveness**, understanding of the project, frequency of the visits, and communication are critical to the CA process. SKA has always followed through on the construction administration process making this phase a true priority. For instance, on the **recent Nursing Building Project**, **SKA made over 200 site visits** to the project for observations and coordination during the construction phase. Our close proximity to UNCG helps us provide frequent and consistent site visits and attention to detail.

SKA has been on the leading edge of sustainable design practices in the building industry. Our firm incorporates “Green Building” practices in all of the design services offered. Technologies utilized to provide a sustainable design include high efficiency lighting systems combined with daylighting controls to reduce lighting power, exterior lighting fixtures with night sky optics to reduce light pollution, solar domestic water heating systems to provide free water heating, low-flow and no-flow plumbing fixtures to minimize potable and waste water usage and high efficiency HVAC systems to reduce energy consumption.



**33** LEED Certified Projects



air barrier  
**abaa**  
association of  
america







**Our Sub-Consultants**

SKA recognizes the importance of involving a diverse cross section of the engineering community and the population of North Carolina for our projects. We are proud of our great working relationship with all of our HUB teammates. In addition, as we are often the prime designers for these projects, we are intimately familiar with minority participation requirements for the selected contractors, and often assist the contractors in soliciting and engaging additional subs.

**Partner not a sub-contractor**

When collaboration continues through the years, year after year and dependability is always delivered, collaborations turn into partnerships and friendships. **Palacio Collaborative** has been there, partnering right along with our engineers on some pretty impressive and fun projects. We are lucky that **Palacio** makes our projects a priority and we are blessed that they always come along beside us. This familiarity enables the team to proceed quickly, yet thoroughly, through the project, having communication lines already in place. For this pursuit, SKA has engaged **Palacio Collaborative** for cost estimating.



HarrisCost



TMG - CONSULTING ENGINEERS  
High Performance | High Quality



DAVENPORT  
— Celebrating 20 years | est. 2002 —



Waller & Associates, PC

Site Development - Infrastructure - Planners - Surveyors

Structural Capacity, PC  
STRUCTURAL CONSULTING GROUP



FROEHLING &  
ROBERTSON



**OVER \$324,000 IN TOTAL BILLINGS TO OUR MWBE PARTNERS IN LAST THREE YEARS**

SKA has partnered with many excellent MWBE companies in the last three years and have paid over \$324,000 in vendor payments to these companies.

# ARCHITECT-ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

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

**UNC Greensboro Cone Art Lighting & Controls Replacement Ph. 2 & 3 (Greensboro, NC)**

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

**Ron G. Lawrence, PE, Project Manager**

5. NAME OF FIRM

**SKA Consulting Engineers, Inc.**

6. TELEPHONE NUMBER

**336.855.0993**

7. FAX NUMBER




**336.855.6066**

8. E-MAIL ADDRESS

**rglawrence@skaeng.com**

### C. PROPOSED TEAM

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

	(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCONTRACTOR	TRACTOR			
a.	<input checked="" type="checkbox"/>				 <input type="checkbox"/> CHECK IF BRANCH OFFICE	7900 Triad Center Drive, Ste. 200 Greensboro, NC 27409	Electrical Engineering
b.			<input checked="" type="checkbox"/>		 <input type="checkbox"/> CHECK IF BRANCH OFFICE	1011 South Hamilton Road, Suite 201 Chapel Hill, NC 27517	Architecture
c.			<input checked="" type="checkbox"/>		 <input type="checkbox"/> CHECK IF BRANCH OFFICE	4819 Emperor Boulevard, Suite 400 Durham, NC 27703	Cost Estimating
d.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

*(Attached)*

# UNC GREENSBORO



PM / ELECTRICAL ENGINEER



RON LAWRENCE, PE

ELECTRICAL DESIGNER



ANDY FLYNT, EI

ELECTRICAL DESIGNER



KENZIE OAKES, EI

**STRUCTURAL ENGINEER**

STRUCTURAL ENGINEER



AARON BOPP, PE,  
LEED AP BD+C

**ARCHITECT**

**Strada**

ARCHITECT



MELISSA WOLTER, AIA

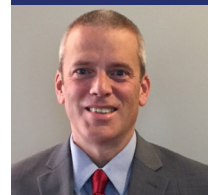
**COST ESTIMATOR**

**PALACIO**

**MWBE**

MINORITY AND WOMEN  
BUSINESS ENTERPRISE


ESTIMATOR



TONY MURPHY

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Ron Lawrence, PE</b>		13. ROLE IN THIS CONTRACT Project Manager / Electrical Engineer	14. YEARS EXPERIENCE	
			a. TOTAL 35	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION <i>(City and State)</i> <b>SKA Consulting Engineers, Inc. (Greensboro, NC)</b>	
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16. EDUCATION <i>(Degree and Specialization)</i>  <b>BS Electrical Engineering</b> University of North Carolina - Charlotte	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>  Registered Engineer NC Registered Electrical Contractor NC Registered General Contractor NC, VA
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> <b>UNC Greensboro Foust Building Phase 2 Electrical Work</b> <i>(Greensboro, NC)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(If applicable)</i> On going (2022)

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

The electrical system, upstream of the main switchgear, was recently replaced in Phase 1 of the project. SKA joined with a local architect for Phase 2 which involves completely replacing and modernizing the electrical system, downstream of the switchgear. Opened in 1892, Foust is on the national register of historic places and is built of stone, masonry, timber beams, wood joists, plaster and lathe. Numerous partial renovations have provided a mix of more modern partitions and wall surfaces. Internal electrical system is a mixture of very old and somewhat newer circuit panels, wire types and wiring pathways. Serving as project manager.



(1) TITLE AND LOCATION <i>(City and State)</i> <b>Siler City Town Hall Renovation</b> <i>(Siler City, NC)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> On going (2022)

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


The Town Hall building was built in 1941 to house the town's administration as well as serve as the police station, courthouse and fire station. Multiple renovations projects adapted the building to house more office space by removing the police station and fire station. First phase of renovation is to create spaces that better fit the needs of the town's services and restore some of the historic character of the building. SKA is providing designs for new mechanical, electrical and plumbing systems to serve the renovated areas. The Town Hall building is on the National Register of Historic Places. Serving as electrical engineer.



(1) TITLE AND LOCATION <i>(City and State)</i> <b>North Carolina State University Bell Tower Restoration</b> <i>(Raleigh, NC)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2021

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


This project completed an installation of a 55 bell carillon in conjunction with the repair, restoration and preservation of NC States iconic Memorial Belltower. Improvements addressed tower accessibility and use restrictions to permit installation of the clavier in the tower and occupancy of the clockworks level to accommodate playing the carillon on site. SKA design services included new mechanical and electrical systems which provided for conditioned space, lighting, new clock motor and controls. Served as electrical engineer.



(1) TITLE AND LOCATION <i>(City and State)</i> <b>Hotel Roanoke Renovation</b> <i>(Roanoke, VA)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> 2020

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


The Hotel Roanoke was built in 1882 by the Norfolk and Western Railroad in Roanoke, Virginia. It's original 34 rooms grew to 384 rooms by 1989 when it was donated to the Virginia Polytechnic Institute and State University. In 1995, a major renovation added a conference center, and in 1996, the hotel was listed on the National Register of Historic Places. SKA has been instrumental in the MEPFP design of the latest 2019 renovations to several of the main hotel social venues. Served as electrical engineer.



(1) TITLE AND LOCATION <i>(City and State)</i> <b>Kimpton Hotel Renovations</b> <i>(Winston-Salem, NC)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2018


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

SKA was selected to provide electrical engineering services for the renovation of the former Reynolds American, Inc. headquarters in downtown Winston-Salem, North Carolina. The building was converted into a mixed-use facility that included a boutique hotel and restaurant managed by the Kimpton Hotel & Restaurant Group of Philadelphia, on the bottom six floors. The seventh through twentieth floors were converted into 120 luxury rental apartments. SKA served as the electrical designer on the project to produce the engineering drawings for the entire electrical system, which included new fire alarm, power and data communication lines throughout the building, as well as separate meters for the hotel, restaurant and each apartment. Served as electrical engineer.



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Andy Flynt, EI</b>		13. ROLE IN THIS CONTRACT Electrical Engineer	14. YEARS EXPERIENCE	
			a. TOTAL 19	b. WITH CURRENT FIRM 19

15. FIRM NAME AND LOCATION <i>(City and State)</i> <b>SKA Consulting Engineers, Inc. (Greensboro, NC)</b>	
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16. EDUCATION <i>(Degree and Specialization)</i>  <b>BS   Electrical Engineering</b> North Carolina State University	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i> <b>UNC Greensboro Foust Building Phase 2 Electrical Work</b> <i>(Greensboro, NC)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021	CONSTRUCTION <i>(If applicable)</i> On going (2022)

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


The electrical system, upstream of the main switchgear, was recently replaced in Phase 1 of the project. SKA joined with a local architect for Phase 2 which involves completely replacing and modernizing the electrical system, downstream of the switchgear. Opened in 1892, Foust is on the national register of historic places and is built of stone, masonry, timber beams, wood joists, plaster and lathe. Numerous partial renovations have provided a mix of more modern partitions and wall surfaces. Internal electrical system is a mixture of very old and somewhat newer circuit panels, wire types and wiring pathways. Served as electrical designer.



(1) TITLE AND LOCATION <i>(City and State)</i> <b>North Carolina State University Bell Tower Restoration</b> <i>(Raleigh, NC)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2021

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


This project completed an installation of a 55 bell carillon in conjunction with the repair, restoration and preservation of NC States iconic Memorial Belltower. Improvements addressed tower accessibility and use restrictions to permit installation of the clavier in the tower and occupancy of the clockworks level to accommodate playing the carillon on site. SKA design services included new mechanical and electrical systems which provided for conditioned space, lighting, new clock motor and controls. Served as electrical designer.



(1) TITLE AND LOCATION <i>(City and State)</i> <b>UNC Greensboro 26 Dorms Condition Assessment</b> <i>(Greensboro, NC)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2019

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


SKA completed a Housing and Residence Life Facility Condition Assessments project at UNC Greensboro. The scope of this project is to provide a Facilities Condition Assessment for twenty-six UNCG Residence Halls with a prioritized ten (10) year forecast of Capital, and Renovation and Repair projects. The on-site field evaluations occurred during two phases: Winter Break 2018 evaluation of eighteen (18) residence halls and Summer Break 2019 evaluation of eight (8) residence halls. The project's culmination resulted in the production of a single report document encompassing all evaluated buildings. Served as electrical designer.



(1) TITLE AND LOCATION <i>(City and State)</i> <b>Hotel Roanoke Renovation</b> <i>(Roanoke, VA)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i> 2020

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


In 2019, SKA worked with a local architect to renovate the main lobby, bars, and kitchen areas at Hotel Roanoke & Conference Center. Design consisted of providing extensive decorative lighting and working with a kitchen equipment vendor to accommodate the new kitchens. The project scope also included converting an existing guest room into additional bathrooms and working with a landscape architect to provide patio, landscape, and site lighting for the new landscape design. Hotel Roanoke & Conference Center was built in 1882 and is on the National Register of Historic Places. Served as electrical designer.



(1) TITLE AND LOCATION <i>(City and State)</i> <b>Kimpton Hotel Renovations</b> <i>(Winston-Salem, NC)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2018


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

SKA was selected to provide electrical engineering services for the renovation of the former Reynolds American, Inc. headquarters in downtown Winston-Salem, North Carolina. The building was converted into a mixed-use facility that included a boutique hotel and restaurant managed by the Kimpton Hotel & Restaurant Group of Philadelphia, on the bottom six floors. The seventh through twentieth floors were converted into 120 luxury rental apartments. SKA served as the electrical designer on the project to produce the engineering drawings for the entire electrical system, which included new fire alarm, power and data communication lines throughout the building, as well as separate meters for the hotel, restaurant and each apartment. Served as electrical designer.



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*






12. NAME <b>Kenzie McCollum, EI</b>		13. ROLE IN THIS CONTRACT <b>Electrical Designer</b>	14. YEARS EXPERIENCE	
			a. TOTAL <b>3</b>	b. WITH CURRENT FIRM <b>3</b>

15. FIRM NAME AND LOCATION <i>(City and State)</i> <b>SKA Consulting Engineers, Inc. (Greensboro, NC)</b>	
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16. EDUCATION <i>(Degree and Specialization)</i> <b>BS   Electrical Engineering North Carolina State University</b>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i> <b>EI - North Carolina</b>
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<b>UNC Greensboro Foust Building Phase 2 Electrical Work</b> <i>(Greensboro, NC)</i>	2021	On going (2022)
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The electrical system, upstream of the main switchgear, was recently replaced in Phase 1 of the project. SKA joined with a local architect for Phase 2 which involves completely replacing and modernizing the electrical system, downstream of the switchgear. Opened in 1892, Foust is on the national register of historic places and is built of stone, masonry, timber beams, wood joists, plaster and lathe. Numerous partial renovations have provided a mix of more modern partitions and wall surfaces. Internal electrical system is a mixture of very old and somewhat newer circuit panels, wire types and wiring pathways. Served as electrical designer. 		
<b>North Carolina State University Bell Tower Restoration</b> <i>(Raleigh, NC)</i>	2018	2021
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project completed an installation of a 55 bell carillon in conjunction with the repair, restoration and preservation of NC States iconic Memorial Belltower. Improvements addressed tower accessibility and use restrictions to permit installation of the clavier in the tower and occupancy of the clockworks level to accommodate playing the carillon on site. SKA design services included new mechanical and electrical systems which provided for conditioned space, lighting, new clock motor and controls. Served as electrical designer. 		
<b>UNC Greensboro 26 Dorms Condition Assessment</b> <i>(Greensboro, NC)</i>	2018	2020
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The scope of this project was to provide a Facilities Condition Assessment for twenty-six UNCG Residence Halls with a prioritized ten (10) year forecast of Capital and Renovation and Repair projects. The project's culmination resulted in the production of a single report document encompassing all evaluated buildings. Served as electrical designer. 		
<b>Hotel Roanoke Renovation</b> <i>(Roanoke, VA)</i>	2019	2020
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm In 2019, SKA worked with a local architect to renovate the main lobby, bars, and kitchen areas at Hotel Roanoke & Conference Center. Design consisted of providing extensive decorative lighting and working with a kitchen equipment vendor to accommodate the new kitchens. The project scope also included converting an existing guest room into additional bathrooms and working with a landscape architect to provide patio, landscape, and site lighting for the new landscape design. Hotel Roanoke & Conference Center was built in 1882 and is on the National Register of Historic Places. Served as electrical designer. 		
<b>Kimpton Hotel Renovations</b> <i>(Winston-Salem, NC)</i>	2018	2018
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SKA was selected to provide electrical engineering services for the renovation of the former Reynolds American, Inc. headquarters in downtown Winston-Salem, North Carolina. The building was converted into a mixed-use facility that included a boutique hotel and restaurant managed by the Kimpton Hotel & Restaurant Group of Philadelphia, on the bottom six floors. The seventh through twentieth floors were converted into 120 luxury rental apartments. SKA served as the electrical designer on the project to produce the engineering drawings for the entire electrical system, which included new fire alarm, power and data communication lines throughout the building, as well as separate meters for the hotel, restaurant and each apartment. Served as electrical designer. 		

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME <b>Aaron B. Bopp, PE, LEED AP BD+C</b>		13. ROLE IN THIS CONTRACT  Structural Engineer	14. YEARS EXPERIENCE	
			a. TOTAL 22	b. WITH CURRENT FIRM 22

15. FIRM NAME AND LOCATION <i>(City and State)</i> <b>SKA Consulting Engineers, Inc. (Greensboro, NC)</b>	
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16. EDUCATION <i>(Degree and Specialization)</i>  <b>BS Civil Engineering</b> Virginia Polytechnic Institute and State University	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>  <b>Engineer:</b> North Carolina, Georgia, Nevada, Indiana
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
**Awards:** Pratt Fellowship Recipient  
**Professional Associations:** ASCE, AISC, CPN, NSPE, SEA, A4LE, CEN, NAIOP

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<b>UNC Greensboro Nursing and Instructional Building</b> <i>(Greensboro, NC)</i>	2016	2021
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float:right"><input checked="" type="checkbox"/> Check if project performed with current firm</span> The project included the demolition of the existing McIver Building and the construction of a 180,000 sf building consisting of laboratory and support space, academic teaching facilities, and offices. The Nursing building was designed for maximum flexibility for rapidly changing academic programs. The project also included a stand-alone chiller plant with an initial build out of 2,000 tons with future expansion capabilities to an ultimate capacity of 7,500 tons. Served as project manager / structural engineer. 		
<b>UNC Greensboro 26 Dorms Condition Assessment</b> <i>(Greensboro, NC)</i>	2018	2019
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float:right"><input checked="" type="checkbox"/> Check if project performed with current firm</span> SKA completed a Housing and Residence Life Facility Condition Assessments project at UNC Greensboro. The scope of this project was to provide a Facilities Condition Assessment for twenty-six UNCG Residence Halls with a prioritized ten (10) year forecast of Capital, and Renovation and Repair projects. The on-site field evaluations occurred during two phases: Winter Break 2018 evaluation of eighteen (18) residence halls and Summer Break 2019 evaluation of eight (8) residence halls. The project's culmination resulted in the production of a single report document encompassing all evaluated buildings. Served as structural engineer. 		
<b>UNC Greensboro Quad Residences</b> <i>(Greensboro, NC)</i>	2010	2012
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float:right"><input checked="" type="checkbox"/> Check if project performed with current firm</span> SKA was selected for design, special inspections, renovations, design review, and construction administration on this dormitory facility. The goal of this project was to update seven, 90-year-old dormitories and provide the students with the modern conveniences, necessities and amenities expected with current collegiate life. Early in the design phase, SKA performed thorough reviews of the existing construction materials and overall condition of the structural and envelope components. Special inspections and observations were successful in identifying discrepancies during the construction so corrective measures could be made. Construction value \$50 million. <b>LEED Gold</b> . Served as project manager. 		
<b>UNC Greensboro School of Education</b> <i>(Greensboro, NC)</i>	2007	2011
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float:right"><input checked="" type="checkbox"/> Check if project performed with current firm</span> The new 110,500 square foot facility is the first LEED Certified building on the campus, providing a green learning environment that offers an array of tools and state of the art enhancements for use by the faculty and students. In keeping with the charge to provide a state of the art facility for the University, the design process utilized the latest three-dimensional Building Information Modeling software to design, detail and help facilitate the construction of the building from foundations through interior finishes. In addition to providing structural design services, SKA served as the Special Inspector during the construction process, helping to ensure the construction complied with the design documents. Additional services include envelope peer review and window testing. Served as principal-in-charge. 		
<b>UNC Greensboro Taylor Theater Multiple Projects</b> <i>(Greensboro, NC)</i>	2016	2021
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float:right"><input checked="" type="checkbox"/> Check if project performed with current firm</span> As part of our small services contract, SKA assisted UNCG with making structural modifications and improvements to Taylor Theater through multiple projects. The existing orchestra pit framing that was flagged during a safety audit. SKA reviewed the safety audit concerns, assessed the current conditions, and developed a scope of work to address the safety issues. Likewise, strengthening measures and improvements were designed for the roof access and protection, for emergency shoring of the hydraulic stage and for catwalk access to production equipment for the stage. Served as project manager and structural engineer. 		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
MELISSA WOLTER AIA, LEED AP BD+C, CDT	Project Manager	a. TOTAL 17	b. WITH CURRENT FIRM 1

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

Strada Architecture PLLC (*Chapel Hill, NC*)

16. EDUCATION ( <i>Degree and Specialization</i> )	17. CURRENT PROFESSIONAL REGISTRATION ( <i>State and Discipline</i> )
Bachelor of Science, Architecture Master of Architecture	Architecture: NC, AZ

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

Melissa is a trusted leader with 17 years of experience managing projects, and coordinating technical aspects throughout market sectors. She is skilled at balancing multifaceted positions as a team member, with an advanced comprehension of codes, guidelines and regulatory agencies. Flexible, adaptive, organized and a natural motivator, Melissa brings consistency and quality to all aspects of project and team management.

American Institute of Architects | NCARB Certified | LEED Accredited Professional | Construction Documents Technologist

### 19. RELEVANT PROJECTS

(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If applicable</i> )
<p><b>The University of North Carolina at Chapel Hill, Abernethy Hall Alterations</b> <i>Chapel Hill, North Carolina</i></p> <p>a. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><b>Project Manager.</b> This project will renovate 1,600 sq. ft. of office, break-out and kitchen space into an active and vibrant environment to support the pride and culture of the University's Latin student community. As one of UNC's oldest buildings, hazardous materials, outdated electrical and a design focus to bring out the character of the original construction were key attributes of this project. <b>Cost:</b> \$160,000</p>	2020	TBD
<p><b>The University of North Carolina at Chapel Hill, Emergency Operations Center Alterations</b> <i>Chapel Hill, North Carolina</i></p> <p>b. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><b>Project Manager/Construction Administration.</b> A 1,445 sq. ft. interior renovation for the University's Emergency Operations Center (EOC). The project consisted of renovating an existing space to create an office suite to bring the previously dispersed EOC team into a centralized area. Included with the project is a kitchenette, maintenance provisions, storage space and ADA accommodations. <b>Cost:</b> \$300,000</p>	2019	2020
<p><b>The University of North Carolina at Chapel Hill, Phillips Hall Renovation</b> <i>Chapel Hill, North Carolina</i></p> <p>c. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><b>Project Manager/Construction Administration.</b> This project consisted of a renovation to transform an existing underutilized storage area into a new teaching lab. The 400 sq. ft. project includes the addition of a laboratory bench and storage space as well as new program-related equipment upgrades. Phillips Hall is an aging campus building, and a critical look at existing conditions and planned future remediations consistent with the building's FCAP report and pending renovations was critical to this project's long-term success. Key considerations for this project included new heat loads, increased electrical needs and plumbing retrofits. <b>Cost:</b> \$100,000</p>	2019	2020
<p><b>Arizona State University, Greek Leadership Village</b> <i>Tempe, Arizona</i></p> <p>d. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><b>Specification Writer.</b> A LEED Silver Certified, 33,000 sq. ft. Community Center designed for the use by Greek fraternities and sororities on the Arizona State University campus. With a 12,000 sq. ft. floor plate, level one has council suites and meeting spaces, as well as a small grocery/convenient store, level two has a large ballroom for formal community events and an outdoor balcony and level three has student and chapter offices.</p>	2017	2018
<p><b>Northern Arizona University, Student &amp; Academic Services Building</b> <i>Flagstaff, Arizona</i></p> <p>e. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm</p> <p><b>Specification Writer.</b> A 94,444 sq. ft., LEED Gold certified four-story building featuring a one-stop-shop for student services and admissions, staff offices, the Lumberjack Math Center, classrooms, meeting rooms, 162 departmental offices and 5,000 sq. ft. auditorium with seating for 154 people.</p>	2014	2015



**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME		13. ROLE IN THIS CONTRACT		14. YEARS EXPERIENCE	
Tony Murphy		Senior Cost Manager		a. TOTAL	b. WITH CURRENT FIRM
				31	4
15. FIRM NAME AND LOCATION (City and State)					
Palacio Collaborative – Durham, NC					
16. EDUCATION (Degree and Specialization)			17. CURRENT PROFESSIONAL REGISTRATIONS		
B.S. Construction Management			N/A		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
Tony Murphy has worked in the Carolina region for over 30 years providing timely and accurate Construction Cost Estimating.					
19. RELEVANT PROJECTS					
a.	(1) TITLE AND LOCATION (City and State)			(2) YEAR COMPLETED	
	University of North Carolina Tate & Gate Arts Venue Greensboro, NC			PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
				In Progress	TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			X	Check if project performed with current firm
Lead Cost Manager   20,000 sf   \$10.3M Provided Cost Management for a new 20,000 sf, multi-purpose cultural arts venue including flexible performance space, gallery, instructional and practice rooms, office and administrative space, a retail component, as well as underground parking to support the needs of the venue.					
b.	(1) TITLE AND LOCATION (City and State)			(2) YEAR COMPLETED	
	University of North Carolina Taylor Hall Theater Renovation Greensboro, NC			PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
				In Progress	TBD
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			X	Check if project performed with current firm
Lead Cost Manager   32,460 sf   \$8.2M Provided Cost Management for a 32,460 sf renovation of a 3-story building with office and theatre space.					
c.	(1) TITLE AND LOCATION (City and State)			(2) YEAR COMPLETED	
	University of North Carolina Foust Building Electrical Renovation Phase 2 Greensboro, NC			PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
				2021	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			X	Check if project performed with current firm
Lead Cost Manager   30,108 sf   \$962,826 Provided Cost Management for a 30,108 sf renovation to replace electrical systems.					
d.	(1) TITLE AND LOCATION (City and State)			(2) YEAR COMPLETED	
	North Carolina Central University BN Duke Arts Complex Study Durham, NC			PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
				2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			X	Check if project performed with current firm
Lead Cost Manager   84,000 sf   \$48M Provided Cost Modeling for a 84,000 sf renovation and addition to the university arts complex.					
e.	(1) TITLE AND LOCATION (City and State)			(2) YEAR COMPLETED	
	North Carolina Museum of Art Expansion Raleigh, NC			PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
				2008	2010
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE			X	Check if project performed with current firm
Lead Cost Manager   100,000 sf   \$40M Provided Cost Management for renovations to the existing museum and the construction of a 100,000 sf gallery building. The expansion included day-lit galleries with a public lobby, restaurant, bookshop, art storage and mechanical space.					

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b> <p style="text-align: center;">01</p>
<b>21. TITLE AND LOCATION (City and State)</b> <p style="text-align: center;"><b>Hotel Roanoke Pub Renovation (Roanoke, VA)</b></p>	<b>22. YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES</b> <p style="text-align: center;">2019</p>	<b>CONSTRUCTION (If applicable)</b> <p style="text-align: center;">2020</p>

**23. PROJECT OWNER'S INFORMATION**


<b>a. PROJECT OWNER</b> Hotel Roanoke	<b>b. POINT OF CONTACT NAME</b> RD Wright	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 540-853-8207
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

In 2019, SKA worked with STITCH Design Shop to renovate the main lobby, bars, and kitchen areas at Hotel Roanoke & Conference Center. Design consisted of providing extensive decorative lighting and working with a kitchen equipment vendor to accommodate the new kitchens. The project scope also included converting an existing guest room into additional bathrooms and working with a landscape architect to provide patio, landscape, and site lighting for the new landscape design. Hotel Roanoke & Conference Center was built in 1882 and is on the National Register of Historic Places.



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**


a.	(1) FIRM NAME 	(2) FIRM LOCATION (City and State) <p style="text-align: center;">Greensboro, NC</p>	(3) ROLE <p style="text-align: center;">MEP Engineering</p>
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>02</b>
21. TITLE AND LOCATION <i>(City and State)</i> <b>Van Dyke Performance Arts Space (Greensboro, NC)</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2016
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Greensboro	b. POINT OF CONTACT NAME Mike Perdue	c. POINT OF CONTACT TELEPHONE NUMBER 336-373-7457
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

The Van Dyke Performance Space was an addition to the Greensboro Cultural Center. The addition provided a flexible performance space for Greensboro's performing arts community. The 7,500 sf Performance Space addition included a shock-absorbing stage and seating for 300 as well as back of house dressing rooms and toilets for the performers. SKA provided engineering design and construction administration services for structural and MEPFP systems.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME 	(2) FIRM LOCATION <i>(City and State)</i> Greensboro, NC	(3) ROLE MEP Engineering Structural Engineering Construction Administration
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b> <p style="text-align: center;">03</p>
<b>21. TITLE AND LOCATION (City and State)</b> <b>Greensboro Coliseum Concourse Expansion</b> <i>(Greensboro, NC)</i>	<b>22. YEAR COMPLETED</b>	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2013

**23. PROJECT OWNER'S INFORMATION**


<b>a. PROJECT OWNER</b> Greensboro Coliseum Complex	<b>b. POINT OF CONTACT NAME</b> Michael Perdue	<b>c. POINT OF CONTACT TELEPHONE NUMBER</b> 336-373-2192
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**24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT** *(Include scope, size, and cost)*

Continuing a long-standing client relationship dating back to 1957, SKA served as the prime designer, contract administrator, and special inspector for the two-phase Upper Concourse Expansion and Arena Enhancement project. The scope included replacement of the all of the arena seats, improving site lines, and expansion of the upper concourse by 15 feet around the entire arena. In addition, the project added approximately 100 bathroom fixtures to the upper concourse and expanded the concession areas, making the upper concourse an inviting and exciting destination within the complex. The Upper Concourse toilets were expanded and ADA accessibility was improved. The expansion and renovation project, like all projects at the Coliseum, took place while the venue remained in operation. Scheduling, phasing and coordination between all parties was critical to maintaining operation and accommodation of the variety of different performances scheduled during the construction. The work was completed in 8 months for each phase, and required multiple shifts to accommodate the event schedule and tight construction duration.



**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**


a.	(1) FIRM NAME 	(2) FIRM LOCATION <i>(City and State)</i> Greensboro, NC	(3) ROLE MEP Engineering Structural Engineering Project Management
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>04</b>
21. TITLE AND LOCATION <i>(City and State)</i> <b>Buncombe County New Courts (Asheville, NC)</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2013
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER <b>Duncan Hargrove Architects PA</b>	b. POINT OF CONTACT NAME <b>Keith Hargrove</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>828-232-1191</b>
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

SKA provided electrical, mechanical, and structural design on the new 118,000 sf, four story building. The new building includes courtrooms, judicial offices, holding cells, and administrative support areas. SKA provided the design on the complex fire alarm system which included a fire command center and secure areas.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME 	(2) FIRM LOCATION <i>(City and State)</i> Greensboro, NC	(3) ROLE MEP Engineering Structural Engineering
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>05</b>
21. TITLE AND LOCATION <i>(City and State)</i> <b>First Presbyterian Church</b> <b>(Greensboro, NC)</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION <i>(If applicable)</i> <b>2014</b>

23. PROJECT OWNER'S INFORMATION


a. PROJECT OWNER <b>First Presbyterian Church</b>	b. POINT OF CONTACT NAME <b>Tim Millisor</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>336-478-4793</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

First Presbyterian Church is one of the oldest congregations in Greensboro. The church selected SKA to design repairs for the 84-year-old facilities. The overarching goals for the design were to modernize the facilities, make the church more efficient, reduce future operating costs, and restore the historic character of the structures. SKA's scope of work included all disciplines across the firm (structural, MEP/FP, and building envelope). Faced with unique challenges, as one would expect in a historic structure, such as: limited space, access, boiler room, and historic materials, careful attention to detail was required in both the design and construction to bring the vision to life. SKA analyzed extensive problems including deteriorated mortar joints in cast stone, sealant failures where copper flashing meets stone turrets, cracking within cast stone components, degradation of cementitious paste on cast stone components, deteriorating crockets, cracked coping stones, cracked scuppers, and cracked and deteriorating balustrades. SKA provided condition assessment, master planning, predesign, schematic design, design development and construction documents for structural, mechanical, electrical, plumbing, fire protection and building façade systems. SKA provided construction administration services for structural, mechanical, electrical, plumbing, fire protection and building facade systems including attendance of OAC meetings, regular site visits and inspections.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a. (1) FIRM NAME 	(2) FIRM LOCATION <i>(City and State)</i> <b>Greensboro, NC</b>	(3) ROLE <b>MEP Engineering Structural Engineering Building Envelope Consulting</b>
b. (1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c. (1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d. (1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e. (1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f. (1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <b>06</b>
21. TITLE AND LOCATION <i>(City and State)</i> <b>North Carolina State University Memorial Belltower Restoration (Raleigh, NC)</b>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018	CONSTRUCTION <i>(If applicable)</i> 2021

23. PROJECT OWNER'S INFORMATION


a. PROJECT OWNER <b>Walter Robbs Callahan &amp; Pierce</b>	b. POINT OF CONTACT NAME <b>Matt Messick</b>	c. POINT OF CONTACT TELEPHONE NUMBER <b>336-725-1371</b>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This project completed installation of a 55 bell carillon in conjunction with the repair, restoration and preservation of NC States iconic Memorial Belltower. Improvements addressed tower accessibility and use restrictions to permit installation of the clavier in the tower and occupancy of the clockworks level to accommodate playing the carillon on site. SKA design services included new mechanical and electrical systems which provided for conditioned space, lighting, new clock motor and controls.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME 	(2) FIRM LOCATION <i>(City and State)</i> <b>Greensboro, NC</b>	(3) ROLE <b>MEP Engineering Structural Engineering</b>
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

20. EXAMPLE PROJECT KEY #

**07**

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

21. TITLE AND LOCATION ( <i>City and State</i> ) <b>EVANSDALE CROSSING</b> <b>WEST VIRGINIA UNIVERSITY</b> Morgantown, West Virginia	22. YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION ( <i>If applicable</i> ) 2014-2016 2014-2016	
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23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER West Virginia University	b. POINT OF CONTACT NAME John Sommers, Construction Manager	c. POINT OF CONTACT TELEPHONE NUMBER 304.293.2856

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

**Evansdale Crossing**  
*West Virginia University*

*Morgantown, West Virginia*

**Campus Master Plan inspires a mixed-use “connector” building**

Strada’s master plan for West Virginia University’s Evansdale Campus identified the need for a new programmatic element at the center of the campus—a “connector” building. This new building, Evansdale Crossing, sits at the critical intersection of various campus quadrants as well as the main PRT station, and was designed as both a vertical and horizontal connection across the hilly campus. This P3 project was realized through a partnership between WVU and Fresh Hospitality, combining academic classrooms and student services as well as dining options and social spaces, and it quickly became the most popular destination on campus. Along with a new building, Strada also designed the interiors for Evansdale Crossing, including a series of highly-anticipated restaurants and specialized workspaces for the Reed College of Media.



*Evansdale Crossing Dining*



*Reed College of Media*

***“Evansdale represents what is new and progressive about our institution.” - Gordan Gee, President of WVU***



*Evansdale Crossing*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a. (1) FIRM NAME Strada Architecture PLLC	(2) FIRM LOCATION ( <i>City and State</i> ) Pittsburgh, PA	(3) ROLE Architecture, Interior Design, Landscape Architecture
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**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY #

**08**

21. TITLE AND LOCATION ( <i>City and State</i> ) <b>GLOBAL HUB</b> <b>UNIVERSITY OF PITTSBURGH</b> Pittsburgh, Pennsylvania	22. YEAR COMPLETED PROFESSIONAL SERVICES 2016-2019	CONSTRUCTION ( <i>If applicable</i> ) 2017-2020
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23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER University of Pittsburgh	b. POINT OF CONTACT NAME Owen Cooks, Assistant Vice Chancellor	c. POINT OF CONTACT TELEPHONE NUMBER 412.354.7583

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

**Global Hub**  
*University of Pittsburgh*

*Pittsburgh, Pennsylvania*

**Offering new ways of exploring and connecting with the world.**

The University of Pittsburgh sought an inviting space that would celebrate international cultures and spark interest in connection and exploration. The underutilized location was on the first floor of Wesley W. Posvar Hall, a 1970's brutalist building on campus.

The existing space posed a circulation challenge, as it was a major through-way used to reach elevators, two department entrances, and an emergency stair. Analysis revealed the circulation paths, sightlines, and occupiable remainder. To fully incorporate the existing five-story light-well, an internal stair was added—which forged a welcome connection to the second-floor study lounge and broke the vast volume of the light-well to bring first floor spaces to a human scale. Thoughtful placement of screens and fixed furniture, alongside deliberate lighting and floor treatments shaped intimate spaces without obscuring sightlines or circulation.

Privacy needs were met through the addition of three enclosed nooks. The colors, textures, and patterns of the Global Hub are a delicate blend of international influences, giving a sense of many cultures without directly connecting to any one in particular. The interactive media wall invites users to learn more about programs that match their interests, while the two-story experience wall features abstract time displays and shows videos and information about various locations around the world. The Global Hub is a reminder of Pitt's ever-growing international connection and an invitation to join them in their exploration.



**"The Global Hub reflects the University's innovative commitment to meeting students where they are and offering them new ways of connecting with the world."**

- Belkys Torres, Executive Director of Global Engagement  
 - University Center for International Studies (UCIS)

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a. (1) FIRM NAME Strada Architecture PLLC	(2) FIRM LOCATION ( <i>City and State</i> ) Pittsburgh, PA	(3) ROLE Architecture, Interior Design
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**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY #

**09**

21. TITLE AND LOCATION ( <i>City and State</i> )		22. YEAR COMPLETED	
<b>LIBERTY BELL EXHIBITS</b> <b>INDEPENDENCE NATIONAL HISTORIC PARK</b> Philadelphia, Pennsylvania		PROFESSIONAL SERVICES  2003	CONSTRUCTION ( <i>If applicable</i> )  2003
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER  National Park Service	b. POINT OF CONTACT NAME  Dennis Reidenbach, Regional Director for Northeast Region of NPS	c. POINT OF CONTACT TELEPHONE NUMBER  215.597.7013	

**Liberty Bell Exhibits**  
*Independence National Historical Park*

*Philadelphia, Pennsylvania*

**A place that allows the story of the Bell to unfold as the visitor moves through the gallery to reach the viewing chamber.**

Each year, over a million people visit the Liberty Bell, which has evolved from a utilitarian object into a national icon and more recently, into an international symbol of freedom. The National Park Service retained the services of Strada/UJMN to design the exhibits for the new Liberty Bell Center. The exhibits offer the visitor expanded interpretation that addresses three major themes: Pennsylvania's State House Bell, America's Liberty Bell, and the World's Symbol of Freedom. Befitting of the national treasure, the exhibits incorporate glass, stone, stainless steel, and porcelain enamel that reflect a sense of permanence, durability, and quality while seamlessly integrating the exhibits with the building architecture. Content is layered to accommodate a quick or extended visit, young and old, and those with special needs.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Strada Architecture PLLC	(2) FIRM LOCATION ( <i>City and State</i> ) Philadelphia, PA	(3) ROLE Exhibit Design, Graphic Design
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**F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT**

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY #

**10**

21. TITLE AND LOCATION ( <i>City and State</i> ) <b>GOOGLE</b> <b>PITTSBURGH OFFICE</b> Pittsburgh, Pennsylvania	22. YEAR COMPLETED PROFESSIONAL SERVICES 2009-2014	CONSTRUCTION ( <i>If applicable</i> ) 2010-2014
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23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Google	b. POINT OF CONTACT NAME Mike McManus, Project Manager	c. POINT OF CONTACT TELEPHONE NUMBER 412.394.9853

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

**Google**  
*Pittsburgh Office*

*Pittsburgh, Pennsylvania*

**An activity-based workplace design shaped by user engagement.**

The design of Google's workplace in Pittsburgh's Bakery Square resulted from an early focus on understanding the unique culture and needs of the local Googlers (employees). Placing the users and their culture at the forefront of the process allowed the team to create a highly tailored work environment that speaks to the unique culture of this company. With a third phase completed in 2014, Strada has now designed more than 100,000 sq. ft. of office space for Google, including multiple casual venues for employees and their guests.



**"Pittsburgh's most incredible workspace? No doubt about it." - Sean Collier, Pittsburgh Magazine**



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a. (1) FIRM NAME Strada Architecture PLLC	(2) FIRM LOCATION ( <i>City and State</i> ) Pittsburgh, PA	(3) ROLE Architecture, Interior Design, Sustainable Design, Historic Preservation & Adaptive Reuse
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**G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS**

26. NAMES OF KEY PERSONNEL <i>(From Section E, Block 12)</i>	27. ROLE IN THIS CONTRACT <i>(From Section E, Block 13)</i>	28. EXAMPLE PROJECTS LISTED IN SECTION F <i>(Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)</i>									
		1	2	3	4	5	6	7	8	9	10
Ron Lawrence, PE	Project Manager / Electrical Engineer	X			X		X				
Andy Flynt, EI	Electrical Designer	X		X	X	X	X				
Kenzie Oakes, EI	Electrical Designer	X					X				
Aaron Bopp, PE, LEED AP BD+C	Structural Engineer		X	X							
Melissa Wolter, AIA	Architect										
Tony Murphy	Cost Estimator										

**29. EXAMPLE PROJECTS KEY**

NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>	NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>
1	Hotel Roanoke Renovation	6	NC State University Memorial Belltower Renovation
2	Greensboro Van Dyke Performing Arts Studio	7	West Virginia University Evansdale Crossing
3	Greensboro Coliseum Renovation	8	University of Pittsburgh Global Hub
4	Buncombe County New Courts	9	Independence National Historic Park Liberty Bell Exhibits
5	First Presbyterian Greensboro	10	Google Pittsburgh Office

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## H. ADDITIONAL INFORMATION

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

### About SKA Consulting Engineers, Inc.

SKA is a national, award-winning, multidisciplinary engineering firm established in 1957 and headquartered in Greensboro, North Carolina. SKA provides MEP and structural engineering services, as well as comprehensive building solutions, for clients across the United States and abroad. SKA's discerning clients select SKA for its reputation and commitment to **quality, integrity, and innovation**. With six additional branch offices strategically located across the southeast, including Asheville, Charlotte, Raleigh-Durham, Wilmington, Charleston and Charlottesville. SKA successfully serves clients across a broad range of market sectors, including: education, sports and recreation, commercial, healthcare, industrial, structured parking, and places of worship.



### Select Design Awards

#### Honors and Awards – Firm Specific

2017 Best Places to Work

2017 Fast 50 Company

Atlanta Urban Design Award (*Southern Education Foundation*)

2007-2018 No. 1 on Top Engineering Firms List (*Triad Business Journal*)

2011 Piedmont Business Ethics Award Finalist (*The Society of Financial Service Professionals, Greensboro*)

#### Honors and Awards – Project Specific

2021 Engineering News-Record Award of Merit

North Carolina State University Memorial Belltower Restoration

2019 “Excellence in Longevity of Repairs” Merit Award (ICRI)

Sound of the Sea II Concrete Repairs

2017 “Excellence in Concrete” Award (ACI Carolinas)

Mitchell Water Treatment Plant Structural Repairs & HVAC Improvement Project

2017 Project of the Year Award (ICRI – Carolinas)

Nissan Stadium Upper Deck – Concourse Waterproofing & Concrete Repairs

2017 Star Award (CPN)

PTIA Terminal Ceiling and Office Renovation Project

Union Square Campus

UNC Greensboro Leonard J. Kaplan Center for Wellness

2016 Star Award (CPN)

UNC Charlotte Holshouser Residence Hall Renovation

H. ADDITIONAL INFORMATION

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

2015 Project of the Year Award (International Concrete Repair Institute - Carolinas)  
Dockside Condominiums Balcony and Garage Concrete Repair and Cathodic Protection

2013 Star Award (Construction Professionals Network)  
UNC Greensboro "Quad"

2013 Award of Merit (International Concrete Repair Institute)  
Shipyards Village Condominiums Structural and Façade Repairs

2013 Citation Award (AIA North Carolina)  
Haw River State Park, ADA Improvements to Youth Conference Building and Administration Building

2012 Star Award (The Construction Professionals Network of North Carolina)  
Joint School of Nanoscience and Nanoengineering, Greensboro, North Carolina

2011 Project of the Year Award (International Concrete Repair Institute – Carolinas)  
Wake Forest University Baptist Medical Center Helical Ramp Repairs

2004 ICRI Honor Award for Structural and Coating Renovation  
Davie Street Parking Deck, Greensboro, NC



I. AUTHORIZED REPRESENTATIVE  
*The foregoing is a statement of facts.*

31. SIGNATURE

*Ronald G. Lawrence*

32. DATE

4/28/2022

33. NAME AND TITLE

Ron Lawrence, PE, Project Manager / Electrical Engineer

# ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## PART II – GENERAL QUALIFICATIONS

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

2a. FIRM (OR BRANCH OFFICE) NAME SKA Consulting Engineers, Inc.			3. YEAR ESTABLISHED 1957	DUNS NUMBER 067439547
2b. STREET 7900 Triad Center Drive, Suite 200			5. OWNERSHIP	
2c. CITY Greensboro			a. TYPE Corporation	
2d. STATE NC		2e. ZIP CODE 27409		
6a. POINT OF CONTACT NAME AND TITLE Ron Lawrence, PE   Project Manager			b. SMALL BUSINESS STATUS Yes	
6b. TELEPHONE NUMBER 336.855.0993			6c. E-MAIL ADDRESS rglawrence@skaeng.com	
8a. FORMER FIRM NAME(S) (If any)			7. NAME OF FIRM (If block 2a is a branch office)	
Sutton-Kennerly & Associates, Inc. John V. Sutton Consulting Engineers			8b. YR. ESTABLISHED 1967 1957	
			8c. DUNS NUMBER 067439547	

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 (2) BRANCH		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
02	Administrative	4	9	A06	Airports; Terminals; & Hangers; Freight	1
08	CADD Technician	12	5	A11	Auditoriums & Theatres	2
14	Computer Programmer	3	3	B01	Barracks; Dormitories	4
21	Electrical Engineers	2	2	B02	Bridges	1
25	Fire Protection Engineer			C06	Churches; Chapels	2
42	Mechanical Engineers	2	1	C10	Commercial Building; (low rise); Shopping	3
57	Structural Engineers	17	10	E02	Educational Facilities; Classrooms	5
58	Technician/Analyst	16	14	F02	Field Houses; Gymnasiums; Stadiums	2
	Building Envelope Engineers (Str)	15	4	G01	Garages; Vehicle Maintenance Facilities;	4
				H07	Highways; Streets; Airfield Paving; Parking	1
				H09	Hospitals & Medical Facilities	5
				H10	Hotels; Motels	1
				H11	Housing (Residential, Multifamily	5
				I01	Industrial Buildings; Manufacturing Plants	5
				J01	Judicial and Courtroom Facilities	3
				L04	Libraries; Museums; Galleries	2
				O01	Office Building; Industrial Parks	3
				P13	Public Safety Facilities	1
				R04	Recreational Facilities (Parks; Marinas; etc.)	4
				U03	Utilities (Gas and Steam)	2
	Other Employees	21	6	W01	Warehouses & Depots	2
	<b>Total</b>	91	55	W03	Water Supply; Treatment and Distribution	2

<p>11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)</p> <table style="width: 100%;"> <tr> <td>a. Federal Work</td> <td style="text-align: center;">2</td> </tr> <tr> <td>b. Non-Federal Work</td> <td style="text-align: center;">8</td> </tr> <tr> <td><b>c. Total Work</b></td> <td style="text-align: center;"><b>8</b></td> </tr> </table>	a. Federal Work	2	b. Non-Federal Work	8	<b>c. Total Work</b>	<b>8</b>	<p style="text-align: center;">PROFESSIONAL SERVICES REVENUE INDEX NUMBER</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">1. Less than \$100,000</td> <td style="width: 50%;">6. \$2 million to less than \$5 million</td> </tr> <tr> <td>2. \$100,000 to less than \$250,000</td> <td>7. \$5 million to less than \$10 million</td> </tr> <tr> <td>3. \$250,000 to less than \$500,000</td> <td>8. \$10 million to less than \$25 million</td> </tr> <tr> <td>4. \$500,000 to less than \$1 million</td> <td>9. \$25 million to less than \$50 million</td> </tr> <tr> <td>5. \$1 million to less than \$2 million</td> <td>10. \$50 million or greater</td> </tr> </table>	1. Less than \$100,000	6. \$2 million to less than \$5 million	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million	4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million	5. \$1 million to less than \$2 million	10. \$50 million or greater
a. Federal Work	2																
b. Non-Federal Work	8																
<b>c. Total Work</b>	<b>8</b>																
1. Less than \$100,000	6. \$2 million to less than \$5 million																
2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million																
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million																
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million																
5. \$1 million to less than \$2 million	10. \$50 million or greater																

### 12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	DATE 4/28/2022
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c. NAME AND TITLE  
Ron Lawrence, PE, Project Manager | Electrical Engineer

# ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

## 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
Strada Architecture PLLC			2000	00-981-8167
2b. STREET			5. OWNERSHIP	
1011 S Hamilton Road, Suite 201			a. TYPE	
2c. CITY	2d. STATE	2e. ZIP CODE	PLLC	
Chapel Hill	NC	27517	b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE			N/A	
Melissa Wolter AIA, LEED AP BD+C, CDT Senior Associate			7. NAME OF FIRM (If Block 2a is a Branch Office)	
6b. TELEPHONE NUMBER		6c. E-MAIL ADDRESS		Strada Architecture LLC
919.521.8465		mwolter@stradallc.com		
8a. FORMER FIRM NAME(S) (if any)		8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER	
N/A				

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
06	Architect	28	1	C10	Commercial Buildings (low rise); Shopping Centers	4
15	Construction Inspector	1		C11	Community Facilities	2
37	Interior Designer	7		D07	Dining Halls, Clubs, Restaurants	4
39	Landscape Architect	2		E02	Educational Facilities; Classrooms	6
47	Planner: Urban/Regional	2		F02	Field Houses; Gyms; Stadiums	1
56	Specifications Writer	1		G01	Garages; Vehicle Maintenance Facilities; Parking Decks	1
02	Administrative	6		G06	Graphic Design	1
	Graphic Designer	2		H06	Highrise; Air-Rights-Type Buildings	6
				H08	Historic Preservation	4
				H10	Hotels; Motels	3
				H11	Housing (Residential, Multi-Family; Apartments; Condos)	4
				I05	Interior Design, Space Planning	5
				L01	Laboratories; Medical Research Facilities	4
				L03	Landscape Architecture	3
				L04	Libraries; Museums; Galleries	2
				O01	Office Buildings; Industrial Parks	6
				P05	Planning (Community, Regional, Areawide & State)	2
				R08	Research Facilities	4
				S08	Special Environments; Clean Rooms, Etc.	1
				S11	Sustainable Design	3
				U02	Urban Renewal, Community Development	4
	Other Employees					
<b>Total</b>		<b>49</b>	<b>1</b>			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	<b>3</b>	1. Less than \$100,000		6. \$2 million to less than \$5 million	
b. Non-Federal Work	<b>8</b>	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million	
c. Total Work	<b>8</b>	3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million	
		4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million	
		5. \$1 million to less than \$2 million		10. \$50 million or greater	

12. AUTHORIZED REPRESENTATIVE  
The foregoing is a statement of facts.

a. SIGNATURE	b. DATE
	April 28, 2022

c. NAME AND TITLE  
Abby Mountain AIA, LEED AP, AICP Principal




**ARCHITECT - ENGINEER QUALIFICATIONS**  
PART II - GENERAL QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

2a. FIRM (or branch office) NAME			3. YEAR ESTABLISHED	4. DUNS NUMBER
Palacio Collaborative – Durham Office			2006	790798081
2b. STREET			5. OWNERSHIP	
4819 Emperor Blvd, Suite 400			a. TYPE	
2c. CITY	2d. STATE	2e. ZIP	S-Corporation	
Durham	NC	27703	b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE			DBE, MBE, NC HUB	
Tony Murphy, NC Business Director and Senior Cost Manager			7. NAME OF FIRM (if block 2a is a branch office)	
6b. TELEPHONE NUMBER		6c. E-MAIL ADDRESS		N/A
919.605.8952		tmurphy@palaciocollaborative.com		
8a. FORMER FIRM NAME(s) (if any)			8b. YR. ESTABLISHED	8c. DUNS NUMBER
N/A			N/A	N/A

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR THE LAST FIVE YEARS		
a. Function Code	b. Discipline	c. No of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative/Operations	3	0	C18	Cost Management/Estimating	6
18	Cost Managers/Estimating	12	1			
Total		15	1			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (insert revenue index number shown at right)												
a. Federal Work	1	<p align="center">PROFESSIONAL SERVICES REVENUE INDEX NUMBER</p> <table border="0"> <tr> <td>1. Less than \$100,000</td> <td>6. \$2 million to less than \$5 million</td> </tr> <tr> <td>2. \$100,000 to less than \$250,000</td> <td>7. \$5 million to less than \$10 million</td> </tr> <tr> <td>3. \$250,000 to less than \$500,000</td> <td>8. \$10 million to less than \$25 million</td> </tr> <tr> <td>4. \$500,000 to less than \$1 million</td> <td>9. \$25 million to less than \$50 million</td> </tr> <tr> <td>5. \$1 million to less than \$2 million</td> <td>10. \$50 million or greater</td> </tr> </table>	1. Less than \$100,000	6. \$2 million to less than \$5 million	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million	4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million	5. \$1 million to less than \$2 million	10. \$50 million or greater
1. Less than \$100,000	6. \$2 million to less than \$5 million											
2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million											
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million											
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million											
5. \$1 million to less than \$2 million	10. \$50 million or greater											
b. Non-Federal Work	6											
c. Total Work	6											

12. AUTHORIZED REPRESENTATIVE (the foregoing is a statement of facts)	
a. SIGNATURE	b. DATE
	4/27/2022
c. NAME AND TITLE	
Michael D. Palacio, President and Chief Cost Manager	