



ORANGE COUNTY NORTH CAROLINA

NEW ORANGE COUNTY DETENTION CENTER

Statement of Qualifications – May 21, 2015





Orange County
Financial Services Department
ADDENDUM #1
May 5, 2015

RFP 5203
Orange County Jail Project Design

To all Vendors:

Modifications to bid documents for the above-named Request for Proposal are made as follows and shall be included in the proposed amount.

See page 2 for questions received with County's responses

All other terms and conditions shall remain the same

By: David E. Cannell, Purchasing Agent; dcannell@co.orange.nc.us / (919) 245-2651

Acknowledgement of receipt of this addendum shall be included with your submittal (page 1 only)

Company Name: Corley Redfoot Architects Inc.

By: Kenneth E. Redfoot, AIA, LEED AP, President

Date Received: May 5, 2015

P.O. Box 8181 200 South Cameron Street Hillsborough, North Carolina 27278
Telephones: Area Code 919-245-2651 Fax: 919-636-4913

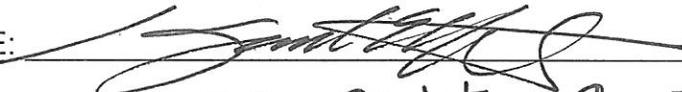
RESPONDER'S CERTIFICATION FORM

I have carefully examined the Request for Qualifications, the sample Agreement for Design Consultant Services and any other documents accompanying or made a part of this Request for Qualification.

I hereby propose to furnish the professional design consultant services for Orange County in accordance with the instructions, terms, conditions, and requirements incorporated in this Request for Qualification. I certify that all information contained in this response is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit this response on behalf of the firm as its act and deed and that the firm is ready, willing and able to perform if awarded the contract.

NAME OF FIRM: Corley Redfoot Architects, Inc.

BY: (printed name) Kenneth E. Redfoot

SIGNATURE: 

MAILING ADDRESS: 222 Cloister Court

CITY/STATE/ZIP CODE: Chapel Hill, NC 27514

TELEPHONE NUMBER: 919-401-8586

FAX NUMBER: 919-493-7306

ACKNOWLEDGEMENT OF ADDENDA

Responder hereby acknowledges receipt of all Addenda through and including:

Addendum No.	Date	Acknowledgement
<u>1</u>	<u>5/5/15</u>	<u>KER/PRP</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

NON-COLLUSION AFFIDAVIT

State of North Carolina
County of Orange

Proposal Request No. 5203

Kenneth E. Redfoot, being first duly sworn, deposes and says that:

1. He/She is the President of Corley Redfoot Architects Inc. the proposer that has submitted the attached proposal;
2. He/She is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such proposal;
3. Such proposal is genuine and is not a collusive or sham proposal;
4. Neither the said proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other proposer firm or Person to submit a collusive or sham proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such contract, or has in any manner, directly or indirectly sought by agreement or collusion of communication or conference with any other proposer, firm or person to fix the price or prices in the attached proposal or of any other proposers, or to fix any overhead, profit or cost element of the proposal price of the proposal of any other proposer or to secure through collusion, conspiracy, connivance or unlawful agreement any advantage against the County of Orange or any person interested in the proposed contract; and
5. The price or prices quoted in the attached proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

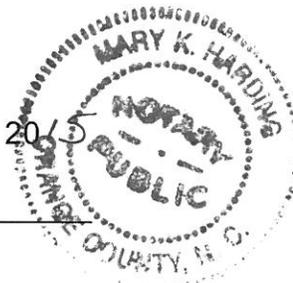

 Signature
President
 Title

Subscribed and Sworn to Before Me,

This 14th day of May, 2015

Notary Public Mary K. Harding

My Commission Expires: 5-1-2016



STATE OF NORTH CAROLINA

AFFIDAVIT

ORANGE COUNTY

I, Kenneth E. Redfoot, AIA (the individual attesting below), being duly authorized by and on behalf of Corley Redfoot Architects Inc (the entity bidding on project hereinafter "Employer") after first being duly sworn hereby swears or affirms as follows:

- 1. Employer understands that E-Verify is the federal E-Verify program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program used to verify the work authorization of newly hired employees pursuant to federal law in accordance with NCGS §64-25(5).
- 2. Employer understands that Employers Must Use E-Verify. Each employer, after hiring an employee to work in the United States, shall verify the work authorization of the employee through E-Verify in accordance with NCGS§64-26(a).
- 3. Employer is a person, business entity, or other organization that transacts business in this State and that employs 25 or more employees in this State. (mark Yes or No)
 - a. YES _____, or
 - b. NO XX
- 4. Employer's subcontractors comply with E-Verify, and if Employer is the winning bidder on this project Employer will ensure compliance with E-Verify by any subcontractors subsequently hired by Employer.

This 14th day of MAY, 2015.

[Handwritten Signature]

Signature of Affiant
Print or Type Name: _____

State of North Carolina Orange County

Signed and sworn to (or affirmed) before me, this the 14th

day of May, 2015.

My Commission Expires:

5/1/2016 Mary K. Harding
Notary Public

(Affix Official/Notarial Seal)



A photograph of a modern school cafeteria. The room features a blue staircase with metal railings leading to an upper level. The floor is light-colored with blue square tiles. There are several round tables with blue bases and silver tops. In the foreground, there is a service counter with a laptop on it. The walls are light-colored with blue doors and railings. The ceiling has recessed lighting.

STATEMENT OF QUALIFICATIONS

**Corley Redfoot Architects, Inc.** - NC License #50072

Role: Project Management, Architecture, Civil Engineering

222 Cloister Court, Chapel Hill, NC 27514

Phone: 919/401-8586 *Fax:* 919/493-7306 www.corleyredfootarchitects.com

Corley Redfoot Architects, Inc. offers in-house services in programming, architecture, interior design, civil engineering, and construction administration. Our firm has been locally owned and operated in Chapel Hill, North Carolina for over fifty years. Started as Construction Engineers, Inc. in 1965, the firm grew and diversified to become Hakan/Corley and Associates in 1975. Today, the firm is being led by a new generation of professionals that maintain the high standards of design excellence.

Contact Information**Kenneth E. Redfoot, AIA, LEED AP**

Corley Redfoot Architects, Inc.

222 Cloister Court

Chapel Hill, NC 27514

(O) 919.401.8586 (F) 919.493.7306 *Email:* kredfoot@corleyredfootarchitects.com

Firm's Former Names

- Corley Redfoot Zack, Inc., 1996
- Hakan Corley Redfoot Zack, Inc., 1995
- Hakan/Corley and Associates, 1975
- Hakan/Best, Inc., 1971
- Construction Engineers, Inc., 1965

Firm Partners - all are registered in North Carolina*Architecture and Interior Design*

- Kenneth E. Redfoot, AIA, LEED AP
- Andrew R. Cruickshank, AIA, LEED AP
- David M. Taylor, AIA, LEED AP

Civil Engineering

- Michael L. Hammersley, PE

OBrienAtkins

O'Brien/Atkins Associates, PA - NC License #50171

Role: Jail Architecture, Mechanical/Electrical/Plumbing Engineering

POB 12037, Research Triangle Park, NC 27709

Phone: 919/941-9000 *Fax:* 919/941-9006 www.obrienatkins.com

O'Brien/Atkins Associates, PA, is an architectural/engineering firm, with corporate headquarters in the Research Triangle Park area of North Carolina. Founded in 1975, O'Brien/Atkins has distinguished itself as a leader in the design services industry. In addition to providing architecture and engineering services, O'Brien/Atkins offers integrated site selection and analysis, landscape architecture/planning, interior design and construction contract administration.

Contact Information

John L. Atkins, III, FAIA, LEED AP

Principal

(O) 919.941.9000 x2004

Email: jatkins@obrienatkins.com

Principals - all are licensed in North Carolina and some in additional states.

- John L. Atkins, III, FAIA, LEED AP, Chairman and Chief Executive Officer
- Dudley B. Lacy, AIA, LEED AP, President and Chief Operating Officer
- Eric J. Erickson, AIA, LEED AP BD+C, Director of Science and Technology
- Kevin G. Montgomery, FAIA, LEED AP BD+C, Director of Architecture
- G. Edward Richert, PE, LEED AP, Director of Mechanical Engineering
- Jay W. Smith, RLA, ASLA, LEED AP, Director of Landscape Architecture/Planning
- Franklin L. Turner, Jr., AIA, Senior Project Manager
- Andrew L. Zwiacher, AIA, LEED AP BD+C, Senior Project Manager

Services

- Architecture
- Interior Design
- Landscape Architecture
- Master Planning
- Mechanical/Electrical/Plumbing Engineering
- Construction Contract Administration

**O'Brien/Atkins
Justice Facilities
Experience**

Buncombe County, NC

- Detention Facility – 276 Beds

Cumberland County, NC

- Criminal Justice Facilities Master Plan

Durham, NC

- Police Headquarters Complex

Durham County, NC

- Durham County Courthouse (LEED® Gold) with Sheriff’s Department & Parking Deck – 900 Cars
- Detention Facility – 528 Beds
- Detention Facility New Security Entry Vestibule
- Emergency Jail – 175 Beds
- Jail Expansion Needs Assessment Study (2007)
- Expansion Program and Master Plan (2008)
- Remote Jail Expansion Study (2012)

Edgecombe County, NC

- Detention Facility with Sheriff’s Department 242 Beds

Randolph County, NC

- Detention Facility – 180 Beds

Wake County, NC

- Wake County Justice Center (LEED® Silver) 563,000 sf
- Justice System 30-Year Facilities Master Plan
- Public Safety Center with Sheriff’s Department; Subsequent Renovations – 492 Beds
- Hammond Road Detention Annex I – 144 Beds
- Detention Annex Phase 1A – 248 Beds
- Detention Annex Phase 1B – 416 Beds

City of Raleigh, NC

- Clarence E. Lightner Public Safety Center Feasibility and Planning Studies
- Police Headquarters Feasibility Study

NC Department of Public Safety

(formerly NC Department of Juvenile Justice)

- Stonewall Jackson School, Concord, NC Program Evaluation for Proposed 40 Beds
- Samarcand Manor School, Eagle Springs, NC Program Evaluation for Proposed 120 Beds
- Juvenile Evaluation Center, Swannanoa, NC Program Evaluation for Proposed 48 Beds
- C.A. Dillon School, Butner, NC – 100 Bed Classification Unit Conceptual Design Study
- Samarcand Manor School, Eagle Springs, NC Force Main Sewer & Security Fence
- Youth Development Centers: 224 Replacement Juvenile Beds – (1) 96 Bed Unit; (3) 32 Bed Units
Concord, Kinston, Rocky Mount & Siler City, NC

NC Department of Public Safety *(former NC DOC)*

- Polk Youth Institution Replacement Facilities 600 Beds
- Polk Youth Institution Expansion – 248 Beds
- Avery/Mitchell Correctional Facility – 624 Beds
- Six 1000 Bed Prototypical Close Custody Institutions – 6,000 Beds
- Morrison Youth Institution Expansion (228 beds) Dorm Renovation/Reroofing; New 34,000 sf (208-beds) Dormitory; 6,400 sf Close Custody
- Emergency Prison Facility Development Program 50 Man Dormitory/32 locations



May 21, 2015

Mr. David E. Cannell
Purchasing Agent
Orange County Purchasing Department
200 S. Cameron Street
Hillsborough, NC 27278

Re: New Orange County Detention Center

Dear David:

On behalf of the Corley Redfoot-O'Brien/Atkins team, we are pleased to submit our letter of interest to provide planning and design services for the New Orange County Detention Center. We confirm that the elements of the RFQ have been reviewed and understood.

This team offers:

- **Corley Redfoot's nearly 30 year track record of successful delivery for Orange County**
- we know and understand your expectations, requirements and pride of community
- **Correctional facilities expertise** - O'Brien/Atkins will serve as Jail Architect and MEP Engineer and has delivered more than 10,000 beds for North Carolina counties and the State
- **Significant Orange County firm participation on our team**
- **Strong desire to continue to be of service to the County** - we value our relationship with Orange County and would welcome this opportunity to collaborate.

Thank you for your consideration of our credentials and we look forward to the next steps.

Sincerely,
CORLEY REDFOOT ARCHITECTS INC.


Kenneth E. Redfoot, AIA, LEED AP
President



The Corley Redfoot-O'Brien/Atkins (CRA-OBA) design team understands our scope to be full architecture and engineering services for the design, documentation, permitting, bidding, construction administration, commissioning and turnover of Orange County's new Detention Center, composed of 144 – 216 beds configured in single and double occupancy cells, managed by indirect surveillance, along with support facilities supporting up to 250 inmates on a 6.8 acre site in Hillsborough, NC – all meeting the requirements of the North Carolina Jail Standards (10A NCAC 14J) – based on a facility program being prepared for the County by Solutions for Local Government. O'Brien/Atkins will draw on their experience designing over two thousand jail beds for North Carolina counties over the past thirty years – all in compliance with the North Carolina Jail Standards – to provide Orange County with a safe, secure, efficient and cost effective detention center.

In providing our design services we will consider proven prototypical county jail solutions, inmate and staff safety, inmate security, efficient staffing utilization, options for controlling construction costs, and options for reducing operating costs.

The agencies having jurisdiction (AHJ) over this project are many:

- Hillsborough Planning – for site plan approval
- Orange County Building Inspections – for building permits
- Hillsborough Engineering and Utilities – for utility and stormwater permits
- Orange County Fire Marshal/Hillsborough Fire Marshal – for code compliance and emergency access review
- North Carolina Department of Health and Human Services (DHHS), Division of Health Service Regulation, Jail and Detention Section – for compliance with North Carolina Jail Standards (10A NCAC 14J)
- North Carolina Department of Insurance (DOI) – for North Carolina State Building Code compliance
- North Carolina Department of Environment and Natural Resources (DENR), Divisions of Water Infrastructure and Storm Water – for sedimentation and erosion control permits
- Orange County Health Department – for food service facilities review and approval
- North Carolina Department of Labor, Elevator and Amusement Device Bureau – for elevator approvals
- North Carolina Department of Transportation - Driveway Permit

The CRA-OBA design team has extensive experience working with each of these agencies, coordinating their reviews and responding to their reviews and comments. This design team also has extensive experience designing projects in our local area, with its unique geotechnical conditions of plastic soils, rock, and high water tables, and is able to respond with cost-effective mitigating solutions.

ORGANIZATION CHART & RESUMES 5



ORANGE COUNTY NORTH CAROLINA

We commit to keeping the originally assigned project team through project completion.



PROJECT MANAGEMENT



David M. Taylor
AIA, LEED AP
Project Manager
Corley Redfoot Architects

EXECUTIVE OVERSIGHT



Kenneth E. Redfoot
AIA, LEED AP
Principal
Corley Redfoot Architects



John L. Atkins, III
FAIA, LEED AP
Principal
O'Brien/Atkins Associates, PA

COMMISSIONING



Michael S. Click, CBCP
Commissioning Team Leader
Affiliated Engineers, Inc.

COST ESTIMATOR



Frank Metts
Senior Cost Estimator
Metts Consulting Co., LLC

ARCHITECTURE & SPECIALTY



Franklin L. Turner, Jr., AIA
Jail Architect
O'Brien/Atkins Associates, PA



Keith Portnoy, CTS-D, RCDD
Audio-Visual Consultant
Waveguide Consulting Inc.



Michael SantaMaria
Acoustics Consultant
Waveguide Consulting Inc.



John Barja
Senior Food Service/Laundry
Consultant
Foodesign Associates, Inc.

SITE PLANNING & DESIGN



Michael L. Hammersley, PE
Senior Civil Engineer
Corley Redfoot Architects



**Susan Hatchell, FASLA,
PLA, LEED AP**
Senior Landscape Architect
SHLA, PLLC

ENGINEERING



C. Christian Berg, PE
Senior Structural Engineer
Summit Design and Engineering



G. Edward Richert, PE, LEED AP
Senior Mechanical Engineer
O'Brien/Atkins Associates, PA



**Dominick A. Santore, PE,
ATD, LEED AP BD+C**
Senior Electrical Engineer
O'Brien/Atkins Associates, PA



John Vincent, PE
Electronic Security Engineer
LattaTech



Kenneth E. Redfoot AIA, LEED AP, Corley Redfoot Architects, Principal-in-Charge, NC License #6565

Over the past twenty-nine years, Ken has concentrated on the public sector. The breadth of his work includes educational, civic, health care and recreational projects. Sustainability has been a high priority on many of his commissions including East Chapel Hill High School, the Chapel Hill Town Operations Center and the Chapel Hill Public Library Expansion.

Relevant Experience

Orange County

- Orange County Justice Expansion
- Central Orange Senior Center

Chatham County

- Chatham County Justice Center

Town of Chapel Hill

- Chapel Hill Public Library Expansion
- Town Operations Center

Durham Technical Community College

- Orange County Off-Campus Center

Education

Master of Architecture

University of Pennsylvania

Bachelor of Science

Pennsylvania State University

Registered Architect

North Carolina and Pennsylvania

Member

American Institute of Architects



David M. Taylor AIA, LEED AP, Corley Redfoot Architects, Project Manager, NC License #5730

Following nine years of experience in Charlotte, North Carolina, David joined Corley Redfoot Architects, Inc. in 1995 as the Project Architect for the North Carolina Women's and Children's Hospital in Chapel Hill. Since then, David has led the design of the firm's municipal, county and educational markets.

Relevant Experience

Orange County

- Orange County Social Services Center
- Piedmont Food and Agricultural Processing Center
- Orange County Justice Expansion
- Central Orange Senior Center
- West Ten Soccer Center
- Orange Co. Government Services Center

Town of Chapel Hill

- Public Library Expansion
- Town Operations Center

Chatham County

- Chatham County Justice Center

Orange County Schools

- Cedar Ridge High School
- Gravelly Hill Middle School

Education

Master of Architecture and Bachelor of Science Clemson University

Registered Architect

North Carolina



John L. Atkins, III, FAIA, LEED AP, Principal, NC License #2180

John is a co-founder of the firm and has served as managing principal for many of its justice facilities projects. He has served as a Managing Principal for the State of North Carolina’s 1000 Cell Prototypical Prison (6000 beds), for the Durham County Detention Center and Courthouse, the Buncombe County Detention Center and all of the firm’s justice/correctional facilities for Wake County.



Franklin L. Turner, Jr., AIA, O’Brien/Atkins, Jail Architect, NC License #6450

Frank Turner is a principal of the firm and a specialist in correctional facilities. He has had involvement with almost every one of O’Brien/Atkins’ justice facilities projects, typically serving as project manager and/or project architect. Frank is a member of AIA, ACA and AJA.

Justice Facilities Experience

- **Durham County Detention Facility Expansion, Programming and Master Plan**
Role: Project Manager
- **Durham County Courthouse (LEED® Gold)** – Role: Project Manager
- **Buncombe County Detention Center** – Role: Job Captain
- **Randolph County Detention Center** – Role: Project Manager
- **Wake County Public Safety Center** – Role: Job Captain
- **Wake County Detention Annex Phases 1A and 1B** – Role: Project Manager
- **Wake County Public Safety Center** – Role: Job Captain
- **Wake County Public Safety Center CCBI Area Renovations** - Role: Project Manager
- **Wake County Justice System Master Plan**, Criminal Court Complex and Hammond Road Detention Center Master Plan – Role: Project Manager
- **N.C. Department of Public Safety** (formerly NC Department of Correction)– (6) 1000 Cell Prisons in North Carolina – project was designed by the Collaborative Design Entity (CDE) of Little Diversified Architectural Consulting, O’Brien/Atkins and Walter Robbs Callahan and Pierce
Role: O’Brien/Atkins’ Project Manager
- **N.C. Department of Public Safety** (formerly NC Department of Correction) – Morrison Youth Institution Expansion – Role: O’Brien/Atkins’ Project Manager
- **N.C. Department of Juvenile Justice & Delinquency Prevention** (now NC Department of Public Safety)– 4 Youth Centers (Cabarrus, Chatham, Edgecombe, Lenoir Counties, NC); Programming and Facility Evaluation Studies for Proposed 208 New Beds at Stonewall Jackson School and Samarkand Manor; Juvenile Evaluation Center Evaluation – Role: Project Manager



Michael S. Click, CBCP #852, Commissioning Team Leader, Affiliated Engineers Inc.

Mike leads the North Carolina office commissioning team. He has fifteen years of experience in design, start-up and commissioning within the construction and power industry. He is a strong communicator whose skills and expertise include HVAC commissioning, controls engineering, heat rejection studies, start-up engineering, DDC implementation and DCS start-up/implementation.

Certification

Certified Building Commissioning Professional /AEE (2012) #852

Selected Relevant Experience

Chatham County Judicial Facility Commissioning

- Project Manager for a three story 90,000 sf facility. This facility consolidates the Offices of the Clerk of Superior Court, District Attorney, the Public Defender, the Department of Juvenile Justice and Community Corrections under one roof. District Court functions will be housed on the second floor, while Superior Court functions are accommodated on the third. Sustainable features will include a geothermal mechanical system and day-lighting strategies.

Town of Chapel Hill - Chapel Hill Public Library Building Expansion

- Project Manager for the partial renovation of the existing 28,000 sf municipal library and a 45,000 sf addition to the library.



Frank Metts, Lead Cost Estimator, Metts Consulting Co., LLC

Frank will serve as Lead Cost Estimator drawing on his years of extensive hands-on experience in all phases of the construction process including pre-construction, site development, construction management, turnaround management, oversight evaluations and the complex aspects of construction claims, litigation, and claim avoidance.

Education: Bachelor of Building Construction from Auburn University - School of Architecture and the Arts

Work Experience: (1997-present) Founder and President of Metts Consulting Co., LLC serving as Chief Executive Officer/President and Managing Principal for company's pre-construction and construction management consulting services on multi-million dollar Judicial, Governmental, Healthcare, Educational, and Commercial projects. Prior to 1997: Group Contract Manager, Senior Construction Manager, Director of Pre-Construction Services, Senior Estimator, Senior Project Manager, Project Manager, Estimator, Assistant Superintendent, and Project Engineer for judicial, health care, educational, military, commercial, and industrial projects.

PROJECT TEAM RESUMES **5**



Michael L. Hammersley, PE, Corley Redfoot Architects, Civil Engineer, NC License #13350

Mike is the principal engineer of Corley Redfoot Architect’s in-house Civil Engineering Department. He is well versed in the regulatory processes required to get a project built and works closely with NCDOT, NCDENR, county and municipal planning, erosion control, sewer and water, and utility agencies.

Selected Experience

Orange County

- Orange Justice Expansion
- Central Orange Senior Center
- Whitted Building Renovations

Chatham County

- Chatham County Justice Center

Town of Chapel Hill

- Transit Department Maintenance Facility
- Public Works Fleet Maintenance Facility

Education

Bachelor of Science, Civil Engineering

North Carolina State University

Bachelor of Science, Biology

Gannon University

Professional Engineer

North Carolina



Susan Hatchell, FASLA, PLA, LEED AP, Landscape Architect, SHLA, PLLC, NC License #528

Susan created SHLA, PLLC in 1994, a firm that focuses on the design of public works such as parks and recreation facilities, greenways, university and downtown pedestrian projects and plazas and streetscapes. She has extensive experience in master planning, renovations and assessments, public input processes, project management and construction administration.



C. Christian Berg, PE, Summit Design and Engineering, Structural Engineer, NC License #020609

Chris has served as the structural engineer for over 4 million square feet of building space in the last 24 years, first as an employee and officer of GKC Associates, and currently with Summit Design and Engineering Services, which acquired GKC in 2014.

Selected Experience

Durham County Detention Facility, Durham, NC

Wake County Jail –Phase 1B, Raleigh, NC

Wake County Jail –Phase 1A, Raleigh, NC

Edgecombe County Jail, Tarboro, NC

Randolph County Jail, Asheboro, NC

Dillon School Renovations, Butner, NC

Education

Bachelor of Science, Civil Engineering

University of Tennessee

Professional Engineer

North Carolina & 4 other states



G. Edward Richert, PE, LEED AP, Mechanical Engineer, O'Brien/Atkins, NC License #026373

Ed Richert joined O'Brien/Atkins in 2009 as Director of Mechanical Engineering. He brings a unique, well-rounded base of engineering knowledge to every project and has held engineering positions in manufacturing, facilities engineering, engineering consulting, and mechanical contracting during his 20+ years of engineering experience. Ed is an expert in the design, start-up, and commissioning of mechanical systems for critical facilities.

Relevant Experience

Wake County Justice Center LEED® Silver

Durham County North Carolina

- Durham County Courthouse LEED® Gold
- Former Judicial Building Renovation

NC DENR: Green Square Complex, Raleigh

- DENR Headquarters – LEED® Platinum
- Nature Research Center – LEED® Platinum
- Underground Parking

Education

Master of Science - Engineering Science-Mechanics
Bachelor of Science - Engineering Science-Biomedical
 University of Florida

Professional Engineer

North Carolina and 8 other states



Dominick A. Santore, PE, ATD, LEED AP BD+C, Electrical Engineer, O'Brien/Atkins, NC #025007

Nick Santore serves as Director of Electrical Engineering. A licensed professional engineer and graduate of NC State University with over 30 years of professional experience, Nick specializes in the design of systems for high technology environments. His experience includes classified, federal government and military projects. Nick is responsible for the conceptualization and design of power, lighting and fire alarm systems. Nick is an Uptime Institute Accredited Tier Designer for data systems.

Relevant Experience

Durham County North Carolina

- Durham County Courthouse LEED® Gold
- Former Judicial Building Renovation
 Durham, N.C.

Education

Bachelor of Science - Electrical Engineering
NC State University

NC DENR: Green Square Complex

- DENR Headquarters – LEED® Platinum
- Nature Research Center – LEED® Platinum
- Underground Parking
 Raleigh, N.C.

Professional Engineer

North Carolina and 6 other states



John Vincent, PE, Electronic Security Engineer, LattaTech, NC License #39586

John has over 30 years of experience in the electrical design field and has designed electronic security systems for correctional facilities, justice centers and law enforcement facilities.

Selected Experience

Prince William County

- Regional Adult Detention Center Expansion
 - Regional Adult Detention Center Renovation
- Manassas, VA

Artesia Justice Center

Artesia, NM

Nolan County Jail

Sweetwater, TX

Rio Grande County Sheriff's Facility

Del Norte, CO

Texas County Jail

Houston, TX



Keith Portnoy, CTS-D, RCDD, AV Consultant, Waveguide Consulting Inc.

Keith Portnoy, CTS-D, RCDD, is director of Waveguide's North Carolina operations and a senior consultant on data/telecom projects. Keith has been with Waveguide since 2002 and has extensive experience managing structured cabling projects including the Orange County Courthouse Expansion and the Chatham County Justice Center.



Michael SantaMaria, Acoustics Consultant, Waveguide Consulting Inc.

Michael SantaMaria is a senior acoustics consultant with Waveguide and has primary responsibility for Waveguide's national acoustics consulting practice. Michael joined Waveguide in 2011 with nearly 20 years of professional acoustics consulting experience on more than 200 projects throughout the United States, Europe and Asia. He has provided comprehensive consulting, design and measurement services—including in room acoustics design, sound isolation design, acoustics design of HVAC systems, acoustics measurements, environmental noise, and noise/vibration control of mechanical, electrical and plumbing equipment.



John Barja, Senior Food Service/Laundry Consultant, Foodesign Associates, Inc.

John, principal and president of Foodesign Associates, has over 35 years experience involving all aspects of food facilities and laundry design including existing facility evaluation, renovation, and new project planning, programming, technical execution, and site supervision. He has been instrumental in providing systems analysis, on-site evaluation reports and future planning recommendations for correctional centers. He is familiar with conventional and cook-chill production systems for direct and indirect supervision facilities. He has completed numerous correctional facility projects on county, state and federal levels.



The construction phase of a building is when the Owner's goals for a project finally begin to be realized. Understanding this, we attach as much importance to this phase of our services as we do to the design phases. The design team has a staff of full-time Construction Contract Administrators. This team enjoys a reputation for strong construction administration procedures including timely response to contractors' requests for information, thorough review of requests for payments, close analysis of change proposal requests, timely and thorough review of submittals, strong construction observation, and unbending, but fair completion of closeout procedures. We understand that failure in any of these aspects of construction administration unnecessarily opens our clients to contractors' claims. Therefore, we will track each item requiring timely response.

This team will seek to properly protect the Owner against defects and deficiencies in the work through four basic procedures:

First, we will provide thorough site observations. The purpose of these observations is to make determinations regarding: the contractors' conformance to the requirements of the contract, the quality of his work, and the state of completion of the work.

Second, we will accurately document our field observations, issuing reports to the contractors and Orange County. All deficient items will be placed on an action list and will be removed only upon review by the architect or engineer after a request from the contractor.

Third, we will attend pre-installation conferences on major systems.

Fourth, we will approach construction problems professionally. Problems occur during construction. If approached incorrectly, the resolution can lead to delay of work or the unfortunate acceptance of lesser quality of work. To reduce the number of problems, we have established quality control procedures which control the project in terms of budget, schedule, codes and regulations, site constraints, interdisciplinary coordination and completeness. Although these procedures do not entirely eliminate the problems, they significantly reduce them.

Final inspections which are conducted under the direct leadership of the project architect/engineer are part of a larger set of closeout procedures including final code testing and inspection, receiving certificates of occupancy and coordination of Owner move-in. We will assist the general contractor in coordinating these critical activities. Our goal in performing these inspections is to assure the Owner that they have received the project with the quality of work specified

ORANGE COUNTY LOCAL BUILDER PARTICIPATION

7



If the County chooses to bid to general contractors under the statutes regulating bidding for publicly-funded projects, the Corley Redfoot-O'Brien/Atkins team can encourage local contractor participation by working with the Association of General Contractors (AGC) to make local contractors, and material and equipment providers, aware of the project. To this end, we can hold public events open to local contractors to review the project and answer their questions.

If the County chooses to enter into an agreement with a Construction Manager at Risk (CMAR) for the construction of the project, we will have more opportunities for local engagement available to us:

1. In the request for proposals to the CMAR firms, we can state goals for local participation, to which each CMAR can respond.
2. With the CMAR, we can hold public meetings with local subcontractors and vendors, including small, disadvantaged, minority-owned and women-owned firms to encourage and assist them in preparing bids for different construction packages.
3. With the CMAR, we can breakdown bid packages into smaller scopes of work, which will allow smaller local contractors and vendors, with lower bonding limits, to participate in the project.

CURRENT PROJECTS

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Corley Redfoot Architects is an Orange County firm and is already working for Orange County, Orange County Schools and Hillsborough Presbyterian Church. Team members are routinely in Hillsborough.

Orange County Social Services Expansion, Hillsborough, NC

Size: 10,000 sf Completion: 2016 Phase: Construction Documents

Hillsborough Presbyterian Church Renovation, Hillsborough, NC

Size: 8,000 sf Completion: 2016 Phase: Construction Documents

Cary Tennis Center, Cary, NC

Size: 50,000 sf Completion: 2016 Phase: Schematic Design

UNCW Boseman Softball Stadium, Wilmington, NC

Size: 3,000 sf Completion: 2015 Phase: Construction Documents

NCSU Reynolds Coliseum Renovation, Raleigh, NC

Size: 100,000 sf Completion: 2016 Phase: Construction

NCSU Indoor Practice Facility, Raleigh, NC

Size: 100,000 sf Completion: 2015 Phase: Construction

Chatham County Bus Maintenance Facility, Pittsboro, NC

Size: 50,000 sf Completion: 2015 Phase: Construction

CURRENT PROJECTS



O'Brien/Atkins' Current Projects	Start Date	Design End Date	Construction End Date	Project Cost	Average FTE Assigned
Cisco Building 9 Clinic	07/20/14	03/20/15	07/31/15	\$2.2 million	0.13
DTCC Campus Master Plan	05/01/15	09/30/15	N/A	N/A	0.63
Durham Co. Facilities Master Plan	01/31/15	09/30/15	N/A	N/A	1.13
Durham Co. Judicial Building	02/28/15	01/31/16	02/28/18	Being Deter.	5.20
Durham Police HQ Complex	03/10/15	04/13/16	02/07/18	\$62 million	6.99
NetApp Building 3 Restack	02/06/15	07/06/15	10/13/15	\$1.75 million	1.25
Novozymes Granulation Tower	02/13/15	03/13/15	08/14/15	\$1.1 million	0.63
Novozymes Potassium Reduction	05/11/15	09/11/15	08/31/16	\$500K	1.75
Novozymes Space Analysis	05/01/15	05/15/15	N/A	N/A	1.50
Proto Labs Manufacturing Facility	04/15/15	09/30/15	11/30/16	\$15 million est.	2.50
Raumedic	03/23/15	06/08/15	03/31/16	\$9.6 million	1.25
RDU Terminal 1 Demolition	04/30/15	10/31/15	01/21/16	\$7.5 million	0.65
Umstead New Steam Plant	08/13/10	02/09/11	06/12/15	\$2 million	0.10
WTCC Facilities Master Plan	05/01/15	08/18/15	N/A	N/A	1.54
WTCC Parking	12/20/13	05/21/14	11/26/16	\$5.2 million	0.18
TOTAL AVERAGE FTE REQUIRED					25.43
TOTAL PROFESSIONAL FTE ON STAFF					34.00
TOTAL FTE IMMEDIATELY AVAILABLE					8.57

Orange County Justice Expansion Hillsborough, NC



The Orange County Justice Expansion is located in the heart of historic Hillsborough, and as a result, had to be sensitively designed to fit into the downtown's historic context. The expanded courthouse maintained the historic main entrance which leads through a security checkpoint to a light-filled, undulating lobby with wonderful views to the adjacent Eno River Park.



The lobby provides public access to the consolidated office for the Clerk of Superior Court and two District Courtrooms upstairs. The facility exhibits many high performance features including a geothermal mechanical system, low-e glazing, high-efficiency lighting and low-flow plumbing fixtures.

Cost and Schedule

Completed	July 2009
Bid Cost	\$10,076,838
# of Change Orders	14
Total Project Cost	\$10,634,010

CRA Personnel

Ken Redfoot (Partner-in-Charge)
David Taylor (Project Manager)

Owner Contact

Mr. Jeff Thompson
Director, Asset Management
Orange County
Phone: 919/245-2650



**Chatham County
Justice Center**
Pittsboro, NC



The Chatham County Justice Center has been carefully designed to fit into historic downtown Pittsboro and anchors the county services campus.

The justice center consolidates the offices of the Clerk of Superior Court, District Attorney, Public Defender and several other judicial departments under one roof. Two light-filled Superior Courtrooms are located on the top floor along with the jury assembly and deliberation rooms and offices for judges and other courtroom staff. Two District Courtrooms and a large Hearing Room are located one floor above the single, security checkpoint to facilitate the administration of justice.



Cost and Schedule

Completed	December 2012
Bid Cost	\$17,779,376
# of Change Orders	19
Total Project Cost	\$18,114,993

CRA Personnel

Ken Redfoot (Partner-in-Charge)
David Taylor (Project Manager)

Owner Contact

Mr. Charlie Horne
County Manager
Chatham County
Phone: 919/545-8201

Durham County Detention Center

Durham County Courthouse with Sheriff's Department + 911 Durham, NC



Detention Center Entry and Dayroom



Courthouse Sheriff's Department 911 Center

O'Brien/Atkins' Personnel - Detention Center
John Atkins (Principal-in-Charge)
Dudley Lacy (Project Manager)

The Detention Center contains eleven housing units of 48 beds (each with its own outdoor exercise, multipurpose room and visiting area) operated under the direct supervision method. Units are capable of subdivision for flexibility in classification. The facility has intake/release, food preparation, laundry, magistrate, district court, and other facilities for a fully operating jail. Prior to designing the jail, the site was master planned for expansion to a complete justice center to include (in three phases) the jail, courts, sheriff's department, jail expansion and parking.

The master plan came to fruition in 2013 with the completion of the Durham County Courthouse (LEED® Gold) which includes the Sheriff's Department and the Sheriff's 911 Call Center. Designed by O'Brien/Atkins, the courthouse complex is a 318,533 sf facility with a 900 car deck.

Project Manager: Frank Turner

Detention Center

Size	291,000 sf
Capacity	528, maximum/medium security
Budget	\$36 million
Construction Cost	\$33.6 million
Change Orders	18 (net deduct of ~\$2 million)
Completed	April 1995

Owner Contacts

Sheriff Worth Hill, Retired

Phone: 919/682-8736

Sheriff Mike Andrews

Durham County

Phone: 919/560-0853

Wake County Jail Phase 1B
Raleigh, NC



Phase 1B Exteriors and Dayroom

Owner Contact

Mr. Phil Stout (Retired)

Director of Facilities Design and Construction
Wake County
Phone: 919/548-3609

O'Brien/Atkins has had a long standing relationship with Wake County, beginning in the late 1980s with the design of the downtown Wake County Public Safety Center. To provide the County with additional beds, jail capacity was designed for their Hammond Road property, with the first project being the Wake County Phase 1A Jail Annex. Expansion eventually was continued with a new facility - Phase 1B - built across the street - to add 416 beds.

The Phase 1B (416) housing beds provide 336 medium security cells in six 56-bed housing pods, and 80 minimum security beds in two 40-bed dormitories. General support areas, inmate program areas and staff support space are provided in a centralized support area.

Size/Capacity

Size 112,500 sf

Capacity 416 beds; medium/minimum security

Project Schedule

Design: 2000 – 2004 to design. The project was put on hold, due to a drop in the bed needs, for 2.5 years when CD's were approximately 95% complete.
Construction: 2/2004 – 11/2006

Project Construction Cost

Estimated	\$19.3 million
Actual	\$20.3 million
(12) Change Orders	+\$961,115

O'Brien/Atkins' Personnel

John Atkins (Principal-in-Charge)
Frank Turner (Project Manager)

**Edgecombe
County Jail**
Tarboro, NC



O'Brien/Atkins and Barnhill Contracting were the design-build team for this 244 bed, medium security jail facility. It includes the Sheriff's Department and Emergency Operations Center; Food Service; Laundry and Visitation. Primarily housing adult males, the jail can also house 24 female inmates and 40 juveniles.

Size	68,500 sf
Capacity	244 beds, medium security

Construction Cost

Construction GMP	\$9,343,646
Construction Final	\$9,185,512
8 Change Orders	Net deduct of \$158,134

Project Schedule

Initial Days to Completion	637 days/21.2 months
Actual Days to Complete	605 days/20.1 months
Completion	1999

Owner Contact

Mr. Martin Moser
Vice President, Building Division
Barnhill Contracting Company
Phone: 919/781-7210

O'Brien/Atkins' Personnel

John Atkins (Principal-in-Charge)
Hashim Naqui (Project Manager)



Summit Design and Engineering (Firm License Number P-0339)

Role: Structural Engineer

504 Meadowlands Drive

Hillsborough, NC 27278

Phone: 919/732-3883

Summit Design and Engineering, by acquiring GKC Associates, PA, inherited the rich experience and history of one of North Carolina's leading structural engineering firms. Currently performing as Summit's Structural Engineering branch, GKC Associates has provided consulting structural engineering services to architects, owners and contractors for over 35 years, completing over 3000 structural projects.

A multidisciplinary design and engineering services firm headquartered in Hillsborough, NC, with branch offices in Raleigh, Durham, and South Boston, Summit's success, tradition of service, and expansion into new fields of practice have been based on our commitment to helping clients successfully complete all types of projects.

C. Christian Berg, PE

Branch Manager - Structural Engineering

chris.berg@summitde.net

Over the course of his 25 years with Summit/GKC, Chris has provided structural engineering services for 15 correctional projects with O'Brien Atkins Associates, and over 400 total projects with O'Brien Atkins .

Chris served as Structural Engineer for the following O'Brien/Atkins' projects:

- **Durham County Detention Facility**, Durham, NC
- **Wake County Jail – Phase 1B**, Raleigh, NC
- **Wake County Jail – Phase 1A**, Raleigh, NC
- **Edgecombe County Jail**, Tarboro, NC
- **Randolph County Jail**, Asheboro, NC
- **Dillon School Renovations**, Butner, NC
- **NC Juvenile Justice Youth (4) Development Centers**
- **NC DPS Polk Youth Center Replacement**, Butner, NC
- **Buncombe County Detention Facility**, Asheville
- **Avery/Mitchell Correctional**, Spruce Pine, NC



Affiliated Engineers Inc. (Firm License Number C-2982)

Role: Commissioning Agent
 1414 Raleigh Road - Suite 305
 Chapel Hill, NC 27517
Phone: 919/419-9802

Affiliated Engineers, Inc. (AEI) is a technical consulting, design, and commissioning (CX) firm providing innovative solutions for complex and large scale projects worldwide, supporting the excellence of a diverse clientele. Practicing since 1927 and formally incorporated into its present state in 1978, AEI is owned by 25 principals who develop and maintain client relationships and provide project leadership.

AEI has worked with Corley Redfoot and O'Brien/Atkins on numerous commissioning projects.

AEI has been providing commissioning services for 45 years. These services were formalized into a core service 35 years ago, and the department has operated in this structure since that time. This is not a new or even relatively new service for our company. We currently have ~40 individuals dedicated exclusively to commissioning. Our portfolio of commissioning projects includes over 500 projects nationwide and nearly 90 percent of our commissioning project work has been for repeat clients, a testament that we are good at what we do and serve our clients well.

Michael S. Click, CBCP

Commissioning Team Leader
 mclick@aeieng.com

Mike leads the North Carolina office commissioning team. He has fifteen years of experience in design, start-up and commissioning within the construction and power industry. He is a strong communicator who combines technical expertise and interpersonal skills to lead teams in a collaborative working environment. His skills and expertise include HVAC commissioning, controls engineering, heat rejection studies, start-up engineering, DDC implementation and DCS start-up/implementation.

Chatham County Judicial Facility Commissioning

- Judicial Facility Commissioning - Project Manager for a three story 90,000 sf facility. This facility consolidates the Offices of the Clerk of Superior Court, District Attorney, the Public Defender, the Department of Juvenile Justice and Community Corrections under one roof. District Court functions are housed on the second floor, while Superior Court functions are accommodated on the third. Sustainable features include a geothermal mechanical system and daylighting strategies.

Susan Hatchell*Landscape Architecture, PLLC***Susan Hatchell Landscape Architecture, PLLC** (NC SWUC Certified; Firm License C-175)*Role:* Landscape Architecture

711 W. North St.

Raleigh, NC 27603

Phone: 919/838-9600

Susan Hatchell Landscape Architecture, PLLC is a woman owned firm specializing in the planning and design of public facilities. Susan has over twenty nine years of experience in Landscape Architecture, with twenty-six years involved with public works. This emphasis on public works and a strong understanding of facility operations, maintenance and budgets make her uniquely qualified for master planning, programming, design, cost estimating, preparation of Construction Documents, bidding, and Construction Administration of public projects. She is particularly sensitive to the long-range implications of her planning and design decisions.

Susan Hatchell, FASLA, PLA, LEED AP

Senior Landscape Architect

Susan@susanhatchell.com

SHLA, PLLC has collaborated with Corley Redfoot Architects since 2008 on the following:

- Chatham County Justice Center - Pittsboro, NC
- Durham Technical Community College, Satellite campus – Orange County, NC
- Nolan Park & Recreation Complex (SHLA, PLLC Prime)
- Cary Tennis Park – Cary, NC
- Bethesda Park – Durham, NC (SHLA, PLLC Prime)
- Fairview Park – Hillsborough, NC
- Oxford Park – Oxford, NC
- Carvers Creek State Park – Spring Lake, NC (SHLA, PLLC Prime)
- Lake Myra County Park – Wake County, NC (SHLA, PLLC Prime)
- UNC-CH Dean Smith Green Roof
- UNC-CH Boshamer Stadium
- UNC-CH Carmichael Gym
- UNC-CH Fetzer Corridor



LattaTech (NC Firm License F-1307)

Role: Electronic Security Systems

500 N. Central Expressway - Suite 310

Plano, TX 75074

Phone: 972/633-5850

LattaTech was incorporated on February 29, 1988 under the laws of the state of Texas. The corporation was established to provide consulting and engineering services for a wide variety of clients from owners, to users, to architects, to engineers and contractors. Tasks carried out in the performance of this work include electronic security systems assessments, electronic security systems design engineering, electronic security systems value engineering, construction engineering, training, and post occupancy evaluation.

LattaTech engineers electronic security systems for correctional, justice and law enforcement facilities and has completed designs for over 600 facilities in over 27 years of existence.

Projects in association with O'Brien/Atkins

- Wake County Jail – Phase 1B
- State of North Carolina Prototypical Close Custody Institutions - 6000 Beds
- Wake County Public Safety Center
- Wake County Justice Center - LEED® Silver
- NC Juvenile Justice Youth Development Centers – Four Counties

Igor Abadzic

Principal

IAbadzic@lattatech.com

Igor has over 17 years of experience in the electrical engineering field with Latta Tech. Igor's designs include multiple technologies for numerous types of security systems. He is recognized for his broad technical expertise, and ability to implement responsive designs. His knowledge of product and processes play a key role in the design and construction of these systems. His relationship and familiarity with security systems integrators serves to foster better means and methods to implement systems, installation, service and maintenance in order to assure the client of high quality installation and service after the sale.

Professional Certifications

CSNA, Part I (Cisco Networks Certification), 2012, BOSCH Networks Bases Certification, 2011, PELCO Network Bases Certification, 2011, Sensor Security, Outdoor Perimeter Security Certification, 2001, Programmable Logic Controllers – Certificate of Training 2001



Waveguide Consulting Inc.

Role: Audio-Visual and Acoustical Consultant

14460 Falls of Neuse Road, Suite 149-232

Raleigh, NC 27614

Phone: 919/870-9387

Waveguide was founded in 1996 and offers independent consulting services in AV, IT and acoustics. Waveguide also provides software automation and onsite managed services to their many government, corporate and education clients. Waveguide is headquartered in Atlanta with additional offices in Raleigh, Tampa, Houston, Chicago and Los Angeles. *Waveguide's experience includes judicial projects such as the Chatham County and Orange County courthouses in North Carolina** and the Jackson County Courthouse and Cobb County Superior Court in Georgia, as well as U.S. Federal courthouses. To learn more, visit waveguide.com.

Keith Portnoy, CTS-D, RCDD

Senior Project Consultant, Audiovisual and Information Technology

kportnoy@waveguide.com

Keith Portnoy, CTS-D, RCDD, is director of Waveguide's North Carolina operations and a senior consultant on data/telecom projects. Keith has been with Waveguide since 2002 and has extensive experience managing structured cabling projects for both public and private sector clients, major AV projects for leading universities and technology master planning projects for clients across all sectors.

Relevant Experience

- ***Orange County, Courthouse Expansion, Hillsborough**
- ***Chatham County Justice Center, Pittsboro**
- **Jackson County Courthouse**, Jefferson, Georgia
- Virginia State Capitol, House and Senate Chambers, Rotunda, Richmond, Virginia
- NC State University, Multiple Projects including the Talley Student Center Addition and Renovation
- University of North Carolina, Multiple Projects
- East Carolina University, Multiple Projects
- Duke Energy, William States Lee III Nuclear Station Visitor Center, Charlotte, NC
- Duke Energy, William States Lee III Nuclear Station Lee Office Building, Charlotte, NC
- Centers for Disease Control and Prevention (CDC), Catawba Office, Research Triangle Park, NC

* Waveguide worked with Corley Redfoot on both the Chatham County and Orange County courthouses.



Foodesign Associates, Inc.

Role: Food Service and Laundry Consultant

5828 Oak Drive

Charlotte, NC 28227-6070

Phone: 704/545-6151

Contact

John Barja, President

JBarja@foodesignassociates.com

Foodesign Associates (FDA) was established in 1977, and is a small business entity (SBE). Since then FDA has served the architectural community as a food facilities consulting firm in all sectors of the industry including Correctional, Colleges & Universities, Corporate, Hospitality, Educational, Government & Military, Healthcare, Laundries, Retirement, and Sports & Entertainment.

Relevant Experience

- ***Durham County Detention Center**, Durham Co, NC
- ***NC DENR Green Square**, Raleigh, NC
- ***NC DJJDP Youth Development Center**, Swannanoa, NC
- ***Wake County Detention Center**, Raleigh, NC
- ***Wake County Justice Center**, Raleigh, NC
- **Chatham County Jail**, Chatham Co, NC
- **Chatham County Law Enforcement Center**, Chatham Co, NC
- **Alamance County Jail**, Burlington, NC
- **Camp LeJeune Pretrial Detainee Facility**, Camp LeJeune, NC
- **Craven County Judicial Center**, New Bern, NC
- **Cumberland County Detention Center Expansion**, Cumberland Co, NC
- **Guilford County Jail Expansion**, Guilford Co, NC
- **Halifax County Sheriff's Office, Jail & Laundry**, Halifax Co, NC
- **Harnett County Detention Center**, Lillington, NC
- **Rockingham County Jail**, Rockingham Co, NC
- **Rowan County Satellite Jail**, Rowan Co, NC
- **Wayne County NC Sheriff's Office & Detention Center**, Goldsboro, NC



Metts Consulting Co., LLC

Role: Cost Estimator

507 O'Neill Drive

Jamestown, NC 27282

Phone: 336/454-5375

Founded in 1997 as a professional construction consulting firm by Frank L Metts, president and managing principal, we remain based in the metropolitan Greensboro, NC area while supporting our clients and their projects in various locations within the continental United States. Our primary focus is providing professional construction cost and management consulting services to architects and owners.

Frank L Metts, President, will serve as lead estimator.

fmetts@mettsconsulting.com

Professional Experience: extensive hands-on experience in all phases of the construction process including pre-construction, site development, construction management, turnaround management, oversight evaluations and the complex aspects of construction claims, litigation, claim avoidance.

Professional Certifications: Qualifying Officer for Metts Consulting Co., LLC's Construction Management and General Contracting Licenses in North Carolina and South Carolina

Education: Bachelor of Building Construction from Auburn University - School of Architecture and the Arts

Relevant Experience

- **Guilford County New Detention Center** | Guilford County NC | \$130 million | Moseley Architects
| Construction Cost Consulting & Estimating | Schematic, CD & DD phases
- **Rockingham County Judicial Center** | Rockingham County NC | \$40 million | Moseley Architects
| Construction Cost Consulting & Estimating | Schematic, DD & CD phases
- **Cumberland County Detention Center Expansion** | Cumberland County NC | \$12 million
| Moseley Architects | Construction Cost Consulting & Estimating | Conceptual, DD & CD phases
- **Halifax County Sheriff's Office & Jail upgrades** | Halifax County NC | \$4million | Moseley Architects
| Construction Cost Consulting & Estimating | CD phase
- **Wayne County Satellite Jail** | Wayne County NC | \$9 million | Moseley Architects | Construction Cost Consulting & Estimating | DD & CD phases
- **Bladen County Law Enforcement & Detention Center** | Bladen County NC | \$17.3 million
| Moseley Architects | Construction Cost Consulting & Estimating | DD Phase



MWDBE PARTICIPATION 11

Susan Hatchell
Landscape Architecture, PLLC

The design team is willing to affiliate with MWSBE businesses. For the new Orange County Detention Center we are teamed with Susan Hatchell Landscape Architecture, a Woman Owned Business which is certified by the State of North Carolina.

Suan Hatchell will be responsible for Landscape Architecture Design.

**Susan Hatchell Landscape Architecture, PLLC
Landscape Architectural Services**

Susan Hatchell Landscape Architecture, PLLC is a woman owned firm specializing in the planning and design of public facilities. Susan has over twenty nine years of experience in Landscape Architecture, with twenty-six years involved with public works. This emphasis on public works and a strong understanding of facility operations, maintenance and budgets make her uniquely qualified for master planning, programming, design, cost estimating, preparation of Construction Documents, bidding, and Construction Administration of public projects.

QA/QC PROCESSES 12

The Corley Redfoot-O'Brien/Atkins (CRA-OBA) team will manage the coordination and quality of our services through:

- Quality Control: continual design and document coordination through BIM
- Quality Assurance: comprehensive process of quality reviews
- Quality Monitoring: construction phase quality program

Quality Control – Continual Design and Document Coordination through BIM

As the CRA-OBA design team prepares our design and construction documents we will conduct continual and comprehensive coordination among the various systems within the building: structure, partitions, ceilings, light fixtures, sprinkler heads and piping, plumbing fixtures and piping, power distribution, data distribution, HVAC equipment and distribution, and modeled clearances for code compliance and maintenance access. By continually “walking through” the model we will identify conflicts and “collisions,” confirm required dimensions, seek more efficient arrangements, and satisfy ourselves the building “works.”



Quality Assurance – Quality Reviews

In addition to continually coordinating our design and documentation throughout our design services (Quality Control), we will seek to assure the quality of our designs and documents through our quality reviews (Quality Assurance), conducted by senior architects and engineers. We will define the quality of our documents by:

- Complying with applicable codes and regulations
- Meeting the requirements of Orange County’s program and goals
- Being coordinated
- Being easily understood by the building trades who depend on them
- Being complete
- Being accurate

Quality Monitoring – Construction Phase Quality Program

The CRA-OBA construction quality program will consist of four elements: specifications, submittals, pre-installation conferences, and observations and inspections:

Specifications: Every section of our technical specifications will start with a section on Quality Assurance to be followed directly by a *Submittals* section. *Pre-Installation Conferences:* For critical systems and materials in the project we will attend pre-installation conferences. During the conferences we will review all the applicable documents and carefully describe our expectations for installation and quality. *Observations and Inspections:* Along with normal observations of the Work to determine general compliance with the documents and progress against the schedule, we will conduct focused site observations starting early in the installation of each major system. In addition to documenting our observations in a field report, we will compile an ongoing work deficiency list, which can then be “walked off” during normal field observations.

Corley Redfoot Architects, Inc. has had neither legal proceedings against the firm, nor major technical problems on any of its projects in the past ten years.

O’Brien/Atkins - 2013 (pending): General Contractor sued the State of North Carolina (Owner), the structural engineer and O’Brien/Atkins Associates claiming delays on the DHHS State Public Health Lab project. O’Brien/Atkins is assisting the Owner in vigorously defending the suit. Dismissal of the suit is anticipated within sixty days.

HOURLY RATES

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It is our intent to enter into a lump sum contract for this project; however, to satisfy the Request for Qualifications, the staff hourly rates are as follows:

Corley Redfoot Architects

Principal	\$120.00
Project Manager/Architect	\$110.00
Intern Architect/Draftsperson	\$65.00
Civil Engineer	\$110.00
Construction Administrators	\$80.00

Reimbursable expenses will be charged back at cost or per contract.

O'Brien/Atkins Associates, PA

Hourly rates reflect the employees' direct personnel expense, profit and overhead. The direct personnel expense is salary, mandatory and customary contributions and benefits related thereto.

Jail Architect	\$175.00
Senior Mechanical Engineer	\$235.00
Senior Electrical Engineer	\$190.00
Mechanical Designer	\$100.00
Mechanical Modeler	\$80.00
Electrical Designer	\$115.00
Electrical Modeler	\$90.00

Summit Design

Senior Structural Engineer	\$165.00
Structural Engineering Technician	\$86.00

Susan Hatchell Landscape Architect

Landscape Architect	\$125.00
Project Manager	\$95.00
Landscape Designer	\$85.00
Clerical	\$55.00

LattaTech

Engineering Manager	\$175-\$185
Systems Designer	\$100.00

Waveguide

Senior Consultants	\$170-\$215
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Metts Consulting

Lead Cost Estimator	\$275
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Fooddesign

Senior Planners	\$100-\$160
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Affiliated Engineers Inc.

Senior Commissioning Engineers	\$145-\$180
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WILLINGNESS TO SIGN

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Corley Redfoot Architects, Inc. is ready, willing and able to enter a contract with Orange County utilizing the Orange County Standard Contract Agreement for Design Consultant Services.