



RFQ No. 5203

ORANGE COUNTY DETENTION CENTER

presented to the

COUNTY OF ORANGE

FINANCIAL SERVICES DEPARTMENT - PURCHASING DIVISION



May 21, 2015

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: Cope Associates, Inc. Architecture

BY: (printed name) O. Grant Tharp, AIA, Vice President

SIGNATURE: 

MAILING ADDRESS: 2607 Kingston Pike, Suite 5

CITY/STATE/ZIP CODE: Knoxville, TN 37919

TELEPHONE NUMBER: 865.694.9000

FAX NUMBER: 865.584.1860

ACKNOWLEDGEMENT OF ADDENDA

Responder hereby acknowledges receipt of all Addenda through and including:

Addendum No.	Date	Acknowledgement
<u>1</u>	<u>May 5, 2015</u>	
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

NON-COLLUSION AFFIDAVIT

State of ~~North Carolina~~ Tennessee
County of ~~Orange~~ Knox

Proposal Request No. 5203

O. Grant Tharp, being first duly sworn, deposes and says that:

1. He/She is the Vice President of Cope Associates, Inc. Architecture, 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

 Vice President

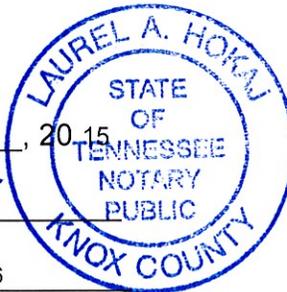
 Title

Subscribed and Sworn to Before Me,

This 18th day of May, 2015

Notary Public Laurel A. Hoka

My Commission Expires: September 11, 2016



STATE OF NORTH CAROLINA

AFFIDAVIT

ORANGE COUNTY

I, O. Grant Tharp (the individual attesting below), being duly authorized by and on behalf of Cope Associates, Inc. Architecture (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
- 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 19th day of May, 2015.

[Signature]
Signature of Affiant
Print or Type Name: O. Grant Tharp

State of ~~North Carolina~~ Orange County
Tennessee, Knox County

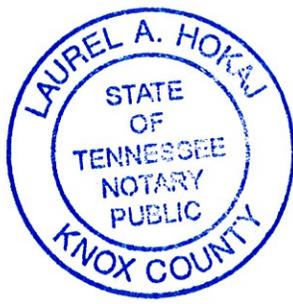
Signed and sworn to (or affirmed) before me, this the 18th

day of May, 2015.

My Commission Expires:

September 11, 2016
[Signature]
Notary Public

(Affix Official/Notarial Seal)





ORANGE COUNTY
NORTH CAROLINA

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: Cope Associates, Inc. Architecture

By:  _____

Date Received: May 11, 2015

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



Cope Headquarters – Knoxville

Address, Phone & Fax

2607 Kingston Pike, Suite 5
 Knoxville, Tennessee 37919
 (P) 865.694.9000
 (F) 865.584.1860
 www.copearchitecture.com

Contact

O. Grant Tharp, AIA, Vice President
 gtharp@copearchitecture.com

Nashville Office

BNA Corporate Center, Bldg.
 100, 402 BNA Drive, Suite 305
 Nashville, Tennessee 37217
 (P) 615.620.9090

Type of Organization

C-Corporation; Small Business

Personnel

STAFF	NO.
Licensed Architects	9
Interior Designers	1
Architectural Designers	3
Construction Administrators	3
Educational Programmers	2
Administrative Support Staff	3
TOTAL	21

LEED Accredited Professionals – 3; LEED Green Associates – 1

COPE ASSOCIATES, INC. ARCHITECTURE

Established – Founded in 1983 in Knoxville, Tennessee.

Principals

- Lanis L. Cope, AIA, President**, llcope@copearchitecture.com; registered Architect in TN and VA
- O. Grant Tharp, AIA, Vice President**, gtharp@copearchitecture.com; registered Architect in TN and NC
- James Hinton, AIA, LEED AP**, jhinton@copearchitecture.com; registered Architect in TN, KY and VA
- Peter Ludman, AIA, LEED Green Associate**, pludman@copearchitecture.com; registered Architect in TN and TX

Services

Cope Architecture consists of licensed architectural professionals and highly trained technical and clerical staff. Our qualifications begin with Vice President Grant Tharp who has been designing and managing correctional projects in Tennessee and North Carolina since 1988. Qualifications include:

- Successful completion of 50 related projects from small renovations to large, 300-bed, 5-court facilities.
- Successful completion of similar projects in Madison, Hayward, Jackson, and Wilkes counties in Western North Carolina, and Blount, Jefferson, McMinn, Sullivan, Claiborne and Lincoln counties in Tennessee.
- Cope has been *directly selected* without competition to assist Madison and Jackson counties in NC, and Van Buren, Claiborne, Union, and Clay counties in TN, based on reputation.
- At the McMinn County Justice Center open house recently, Supreme Court Justice Sharon Lee said she had been to most similar facilities across the state and the design and efficiency / functionality of McMinn County is one on the very best!
- Project services include:

COPE ARCHITECTURE	CONSULTANTS
<ul style="list-style-type: none"> • Additional programming • Design • Production of bidding documents • Interaction with NC agencies & POA • Bidding and contractor assistance • Construction administration • Interior design 	<ul style="list-style-type: none"> • Civil site design • Mechanical, plumbing, electrical, and fire protection engineering • Structural engineering • Security electronics • Detention furnishings / equipment • Food service • Transition planning



RND ARCHITECTS, PA

Address, Phone & Fax

3608 University Drive, Suite 204
 Durham, NC 27707
 (P) 919.490.1266
 (F) 919.490.1396

Contact

David B. Daniel, AIA, Principal
 david@RNDarchitects.com

Established

RND Architects was started in 1987 by current principal Lucien Roughton, AIA, as Lucien Roughton Architects, PA. In 2001 Mr. Roughton added partners Charles Nickelson and Gustavo De Luca to the firm’s management and ownership team, changing the firm name to Roughton Nickelson De Luca Architects, PA. David B. Daniel joined the firm’s management, leadership and ownership team in 2011 after being with the firm since 2007. With the retirement of Gustavo De Luca in 2014, the firm changed its name to RND Architects, PA.

Principals

Lucien M. Roughton, AIA – Licensed to practice in North Carolina, South Carolina and Virginia

Charles J. Nickelson, AIA – Licensed to practice in North Carolina

David B. Daniel, AIA – Licensed to practice in North Carolina

Services

RND Architects, PA, is an 11 person, full service architectural design firm that leads projects for government, university, healthcare and private clients. We regularly do projects for local governments, including law enforcement agencies.

Our core services include:

- Feasibility Studies
- Planning
- Facility Assessment
- Architectural Design
- Construction Administration

We are committed to creating environments that stimulate those who interact with the building on a daily basis while remaining efficient, functional and durable facilities. We pride ourselves in our service to clients and enjoy repeat business because of this commitment to service.

RND Architects, PA, is a North Carolina Registered Architectural Corporation, Certificate #400.

Personnel

STAFF	NO.
Licensed Architects	5
Senior Designers/Project Managers	2
Design Interns	2
Administrative Support Staff	2
TOTAL	11

LEED Accredited Professionals 5



May 20, 2015

Mr. David E. Cannell, Purchasing Agent
P.O. Box 8181
200 South Cameron Street
Hillsborough, NC 27278

RE: RFQ No. 5203 – New Orange County Detention Center

Dear Mr. Cannell:

Cope Associates Architecture and RND Architects, Durham, North Carolina, are pleased to submit our response for architect services for the new County Jail for Orange County.

Our process is a very collaborative effort which includes our entire design team in concert with the Owner's Representatives, Construction Manager, and appropriate members of the client's staff. Through our many similar projects and efforts in Western North Carolina and East Tennessee, and the fact that Principal Grant Tharp has been concentrating on county jails for over 25 years, we understand the pressures that you face on these types of projects and we can help you navigate that. These are not popular projects due to budgets, public perception, safety, etc. We know how to design for maximum efficiency, budgets and staffing to help ease your pressure and to show the public the facility is as economical and functional as can be.

A Cut above the Rest – With Cope Architecture, you receive *value added* services from a team that is committed to providing personal attention and *ownership* of each project. You can expect:

- A highly experienced team familiar with the unique challenges of your project type.
- A well-coordinated and communicated management process.
- Assignment of a firm Principal for the duration of the project.
- Assignment of a qualified team that will not change.
- A team that understands budgets, rules, regulations and schedules.
- A firm belief that interaction with your project team and end users is critical for a successful project.
- A reputation of delivering our projects – large or small – on time and within budget.

Distinctive Competence

- We have the State and State Fire Marshalls review our designs early, and face to face.
- We do a plan in our documents that is strictly for codes, handicapped accessibility and State compliance.

Page 2

- We use designers and engineers for all our designs – not vendors who are trying to sell products.
- We have intensive design meetings where the users and jail committee can comment, change designs, etc., early in the process.
- All our designs are expandable – saves time and effort in future dollars.
- We visit our facilities several months after occupancy to develop a *lessons learned* to assist us with future designs.
- We make presentations to the County during the design phases to keep you abreast of the process and to share the budgets and schedule, not only construction cost estimates, but *full project costs* that are real costs of the project. This avoids any *surprises* when it is time to staff, occupy and furnish the facility.
- We evaluate staffing positions versus our design layouts with your staff and the State to make sure our designs are as efficient as can be. Staffing costs are a recurring cost over the life of a facility, so efficient/expandable design is a must. For example, at McMinn County, we added a half of a pod of 100 inmates. In the future, the pod will be doubled without adding staff personnel. Assuming this saves three staff positions over 30 years, there is a savings of nearly \$3 million to the County.

We have structured a design team of professionals to provide the right blend of experience, capability, and knowledge for your project. We will direct and manage the team from conception through the successful completion of the project.

We trust that we have effectively demonstrated our capabilities and experience. We have reviewed and understand the elements of the RFQ and look forward to putting our expertise to work for you. Should you have any questions or need additional information, please do not hesitate to call.

Sincerely,



O. Grant Tharp, AIA
Vice President

UNDERSTANDING – SCOPE OF WORK

Our understanding of the scope of services required for this project includes the basic architectural services of designing the facility, providing assistance during bidding, and representing the owner during the construction and occupancy phase. Other services, not all-inclusive, include:

- Evaluating the program as prepared by Solutions for Local Government and reaching consensus with the owner design committee.
- Preparing an estimate of cost, not just construction costs, but all related project costs.
- Assisting the owner in evaluating other project costs such as maintenance and utility costs, and potential staffing costs.
- Preparing a project schedule with milestones that is periodically updated and improved.
- Assisting the project team with public meetings and awareness, and providing three-dimensional renderings of floor plans and exterior elevations. Cope Architecture also has the capacity to provide an animated fly around of the intended facility.
- Assisting the county in securing local and state permits required for the project.
- Evaluating the potential of prototypical design. Our basic philosophy is that one design does not fit all. However, we have designed many facilities that utilize various components of other facilities that may work for your particular building.

EXPERIENCE WORKING WITH NC JAIL STANDARDS & STATE AGENCIES

Having designed North Carolina detention facilities for nearly 20 years, Cope Architecture has interacted with State agencies extensively on the design and approval of jail projects. This specific NC detention facility design history

also means that we have hands on experience working with the North Carolina Jail Standards.

In addition, our consultant, Edward Williams, worked for North Carolina corrections for 15 years reviewing detention facilities for approval. He will be reviewing our design and bidding documents based on his extensive knowledge of facilities in North Carolina. Consultant Greg Minton was a Wilkes County sheriff's office major and was our main contact throughout design and construction of the \$25 million Wilkes County Jail. He was responsible for all coordination and dissemination of information, was our liaison with County commission, and was responsible for all transition planning for the new jail facility.

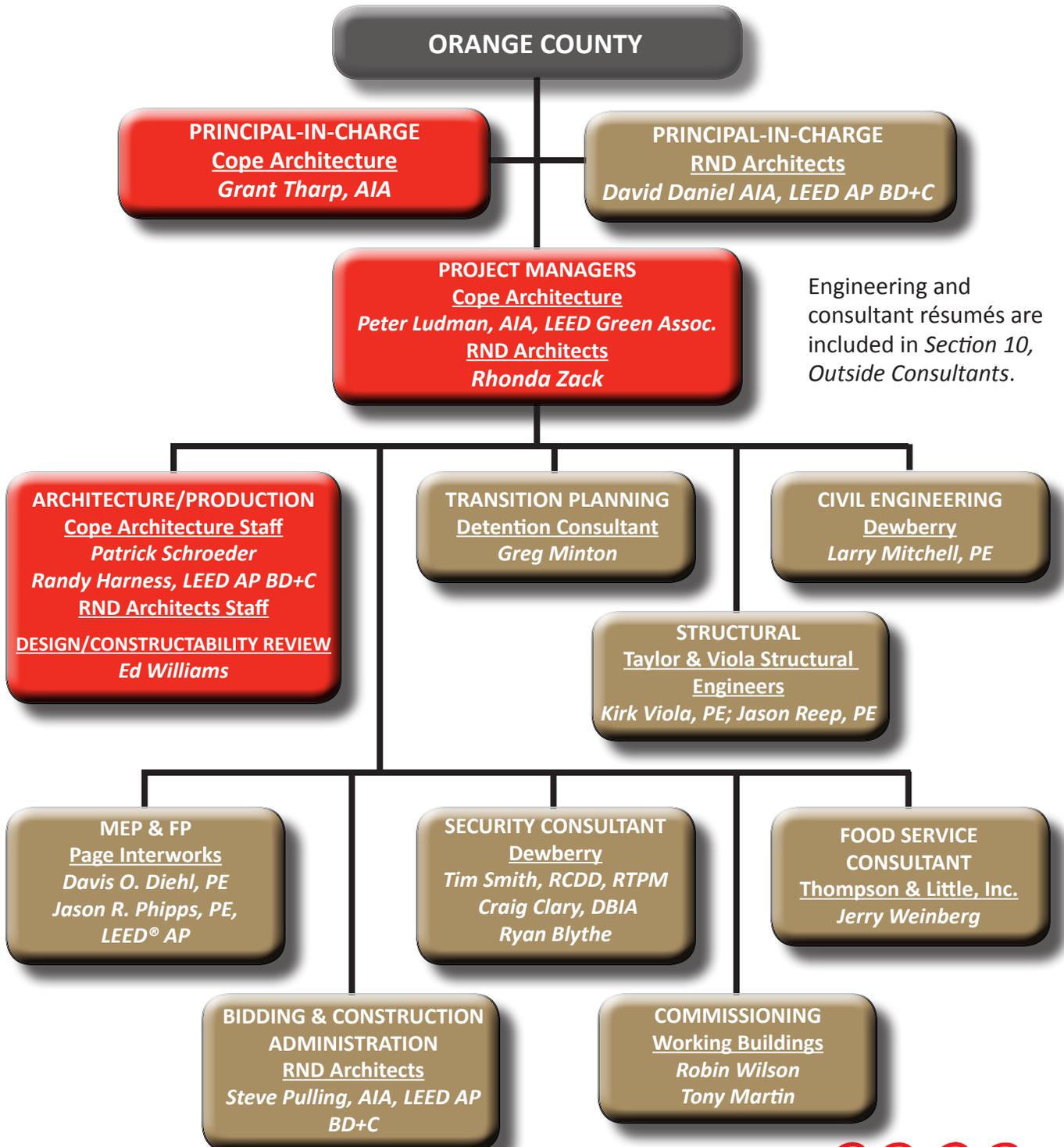
RND Architects routinely submits plans for review to Orange County and the other local Authorities Having Jurisdiction for permitting, and understands the documentation that plans examiners require to approve plans without delay. Our current and previous projects with the City of Durham, Alamance County, the Town of Cary and Person County and our North Carolina State Construction Office experience have honed our skills at developing strategies to address and comply with the rules and regulations imposed by various projects. State agencies we will have contact with from a site/civil standpoint include:

1. North Carolina Department of Environment and Natural Resources, Division of Energy, Minerals, and Land Resources, Land Quality Section (erosion control permitting).
2. North Carolina Department of Environment and Natural Resources, Division of Water Resources, 401 and Buffer Permitting (wetland/buffer permitting, if required).
3. North Carolina Department of Transportation (NCDOT likely won't be required, but we list it for reference due to proximity to I85 and the noted I85 buffer in the RFP).

Stormwater permitting will be through the Town of Hillsborough.

PROJECT ORGANIZATIONAL CHART

The Project Organizational Chart below demonstrates our proposed organizational structure for the project, including the function of each key team member, title and reporting relationship. Cope Architecture is committed to maintaining the team shown below for the duration of the project.





Education

Bachelors of Architecture,
University of Tennessee,
1982

Licenses

Registered Architect in TN
and NC

Employment History

Cope Associates
9/06 - Present: Vice
President

BWSC
3/86 - 9/06

Weeks & Ambrose
6/83 - 3/85



* Previous employment

Summary

Grant has spent the last 30+ years managing and designing a wide array of projects, covering experience in local government renovations, criminal facility design, animal architecture, historic preservation, urban housing developments, commercial design and renovation, and ADA instruction. He specializes in Criminal Justice Facility design which includes county jails, courtrooms, and justice centers. Grant brings a resume of over 30 local county projects during a span of 15 years where he personally managed, designed, and/or master planned the specific correctional project. He continues to personally maintain direct involvement in such facilities while serving as vice president.

General Criminal Justice Experience

- **Madison County Law Enforcement Center** – NC
- **Wilkes County, NC**
 - Justice Center Needs Assessment/Programming
 - Law Enforcement Center
- **Cherokee County Courthouse Renovations***– NC
- **Haywood County Law Enforcement Center*** – NC
- **Jackson County Courthouse Offices and Jail***– NC
- **Jackson County Administrative Offices***– NC
- **Jefferson County Justice Center***– TN
- **Anderson County Minimum Security Dormitory** – Clinton, TN
- **Bledsoe County Correctional & Vocational Rehabilitation** – TN
- **Blount County Sheriff’s Training Center** – Maryville, TN
- **Blount County Justice Center***– TN
- **Bradley County Minimum Security Dormitory** – TN
- **Bradley County Jail Study and Evaluation***– TN
- **Carter County Justice Center*** – TN
- **Claiborne County Jail** – TN
- **Clay County Courts** – TN
- **Fayette County Justice Center and Courts***– TN
- **Hamblen County Minimum Security Dormitory***– TN
- **Hancock County Jail** – TN
- **Knox County Regional Juvenile Justice Center***– TN
- **Lincoln County Jail** – TN
- **Loudon County, TN**
 - ADA Courts Study
 - Courthouse Re-Roofing



Associations

American Institute of Architects
 E. TN American Institute of Architects (AIA) Board Member, 1998-2002; President, 2002
 Tennessee Sheriffs Association
 North Carolina Sheriffs Association
 American Jail Association
 American Corrections Association
 State of Tennessee Architectural Board 2002

Public Service

United Way Panel Board, 2000-03; Board Chair, 2003
 Knoxville Heritage Board Member, 2002
 Nucleus Knoxville, 1995-2002
 City of Knoxville Electrical Review Board, 2011-2014
 University of Tennessee Chancellor’s Advisory Committee, 2014-2017



* previous employment

- Court Clerks Addition
- Justice Center*
- Juvenile Center*
- Needs Assessment*
- **McMinn County Courts and Jail Addition** – TN
- **Monroe County** – TN
 - General Sessions Court Expansion
 - Jail Expansion
- **Sevier County Jail Study and Evaluation***– TN
- **Sullivan County Justice Center***– TN
- **Tennessee State Supreme Court** – Knoxville, TN
- **Unicoi County Jail, Phase One***– TN
- **Union County Jail and Courts Additions/Renovations** – TN
- **Van Buren County Jail Study** – TN

Needs Assessment and Programming Experience

- Anderson County, TN
- Blount County, TN*
- Carter County, TN*
- Clay County, TN*
- Fayette County, TN*
- Fentress County, TN*
- Jackson County, NC*
- Jefferson County, TN*
- Lincoln County, TN
- Loudon County, TN*
- McMinn County, TN
- Monroe County, TN
- Rhea County, TN
- Sullivan County, TN
- Wilkes County, NC
- Eastern Band of Cherokee Indians (EBCI), NC*

Existing Facility Studies and Evaluations

- Anderson County, TN
- Bradley County, TN*
- Carter County, TN*
- Claiborne County, TN
- Jasper City Jail, AL*
- Loudon County, TN*
- Hancock County, TN
- Lincoln County, TN
- Sequatchie County, TN*
- Sevier County, TN*
- Sullivan County, TN*
- Unicoi County, TN*
- Union County, TN
- Van Buren County, TN

Regional Jail Evaluations

- Clay County, TN*
- Fentress County, TN*
- Pickett County, TN*
- Overton County, TN*
- Wilkes County, NC

ADA Anaylses and Studies

- Blount County, TN*
- Bledsoe Co. State Prison
- Cherokee County, NC*
- Clay County, TN
- Cocke County, TN*
- Lake County, TN*
- Lewis County, TN*
- Loudon County, TN*
- Morgan Co. State Prison*





Education

Bachelors of Architecture,
University of Tennessee,
2001

Registrations & Certifications

Registered Architect in TN
(#00103218, 2008) and TX
(NCARB Certificate #108335)
LEED Green Associate

Employment

Cope Architecture
6/21/2002 - Present

Associations

AIA E. TN Board of Directors
CSI
Parkridge Community
Organization



Summary

Peter Ludman has 13 years of professional experience in architecture, project management and construction administration for a wide variety of building types throughout Tennessee and North Carolina.

Peter has served as Project Manager, responsible for selecting consultants and negotiating the fees and contracts with those consultants, and staying within project parameters. He has managed multiple projects simultaneously, resolving issues with clients, contractors, engineers, etc., and has been involved in numerous multi-million dollar projects with personal dedication to ensure they are on time and within budget.

Project Experience

Served as Project Manager and/or Lead Architect on the following:

Correctional Facilities

- **Wilkes County Law Enforcement Center** – NC
- **Lincoln County Jail Additions** – Lincoln County, TN
- **Claiborne County Jail Expansion** – Tazewell, TN
- **McMinn County Justice Center** – TN
- **Union County** – TN
 - Courthouse and Jail Renovations
 - Juvenile Facility

Additional Facilities

- **U.S. Department of Labor Oconaluftee Civilian Conservation Center** – Cherokee, NC
- **Department of Veterans Affairs Medical Center Dental Clinic Renovations** – Mountain Home, TN (VA249-13-R-0280)
- **Office of Secure Transportation (OST) Intermediate Use of Force (IUF) Facility, Pantex Plant** – Amarillo, TX
- **Oak Ridge National Laboratory (ORNL) Research Support Center** – Oak Ridge, TN (*LEED Certified*)
- **University of Tennessee** – Knoxville, TN
 - UT Support Services Complex
 - Neyland Thompson TV Broadcast Studio – Sports Center Associated Architects (SCAA-Cope/MHM-Joint Venture)
 - Anderson Football Training Center, McKenzie-Lawson Addition
 - Stokely Athletic Center
 - ADA Upgrades at Dougherty Engineering, Dabney-Buehler, Nielsen Physics and Melrose Halls
- **Lee University Science & Mathematics Building** – Cleveland, TN
- **Lee University Chapel** – Cleveland, TN



Education

Bachelors in Architecture,
University of Tennessee,
1993

Years of Experience

Cope Architecture: 6 Years
1/1/2011 - Present: Designer

* Previous employment

Summary

Patrick has over 18 years of experience in architectural design, project management and construction management. Patrick has specialized in historic preservation and adaptation projects, but has a broad range of project types. Patrick has a strong set of technical skills to ensure very good architectural detailing, meeting budgetary concerns, and that the design is code compliant. Patrick is capable of producing on a wide variety of CAD platforms.

Representative Project Experience

Served as Architectural Designer on the following projects:

- **Moore County Jail Additions and Renovations** – Lynchburg, TN
Project Manager/Production
- **Lincoln County Jail Expansion / Additions** – Lincoln County, TN
- **Claiborne County Jail Expansion** – Tazewell, TN
- **McMinn County Justice Center** – Athens, TN
- **Anderson County Minimum Security Dormitory Design/Build** – TN
- **Rhea County Justice Center*** – Dayton, TN
- **Oak Ridge National Laboratory Melton Valley Maintenance Support Facility Design/Build (LEED Gold)** – Oak Ridge, TN

RANDALL (RANDY) HARNESS, LEED AP BD+C



Education

BS, Architecture, Southern
Illinois University, 2006

Work Experience

Cope Architecture, Knoxville
3/3/2014 - Present: Designer

10 years with other
companies

Summary

Randy has over 20 years of experience and has managed production of design development and construction drawings, coordinated drawings and systems, provided building code analysis and Fire Marshal submittals, construction administration services, supported multiple disciplines with production drawings, assisted with bidding and negotiation, and participated in energy surveys and reports. BIM responsibilities include BIM model development with engineers, contractors and clients.

Representative Project Experience

Moore County Jail Additions and Renovations – Lynchburg, TN
Project Manager/Production for the design/build project.

New Student Housing, University of Tennessee – Knoxville, TN

Designer/BIM: Coordinating BIM model development and strategies.

Previous Experience

- **Morgan County Courthouse Energy & Egress Upgrades** – TN
- **Kankakee County Jail Repairs & Renovations**
- **Youngdeer Justice Center** – Cherokee, NC





Education

B.A., Architecture & Bachelor of Architecture, University of North Carolina at Charlotte

Registrations & Certifications

Registered Architect in NC
LEED Accredited Professional

A registered Architect in North Carolina with over 19 years of architectural design and project management experience, David’s areas of specialization include complex office renovations, medical, testing and research laboratories, medical procedure and diagnostic rooms, operating rooms, and healthcare clinics. David is very familiar with the stringent review requirements of the State Construction Office and local review boards, and has served eight years on the Hillsborough, NC Planning Board, including three years as chair.

David serves as the Principal in Charge/Project Architect for RND Architects and will provide overall project leadership and day-to-day communication for Orange County’s Detention Center.

David is an Orange County Resident and lives five minutes from the proposed site.

David has most recently led the design of a \$16.8 million Crime Laboratory project for the NC Department of Justice in Edneyville, NC.

RHONDA ZACK



Education

Bachelor of Fine Arts, Environmental Design, East Carolina University

A highly motivated project team leader with 17 years of experience working on large and small, public and commercial architectural projects in the Triangle, Rhonda is a versatile designer with a broad skill set that includes innovative architectural design from conception through project close-out. She has a strong background in production of working drawings, project management, and schedule and cost control, and places an emphasis on professionalism, teamwork, service to client, and communication. Rhonda is a natural born organizer with a focused attention to detail and astute business communication skills—an enhancement to her design talents. Early in her career, Rhonda was leading design teams and learning how to gracefully move projects through NC State Construction Office and Department of Insurance reviews.

Rhonda has most recently lead the Elon University Scott Studios and McFarland Theater projects and the City of Durham City Hall Exterior Envelope Renovation.





A registered Architect in North Carolina with over 19 years of architectural design and project management, including extensive Construction Administration experience, Steve has been an integral member of RND Architects for 12 years. Steve is detail oriented and insures that all of the requirements of the contract documents are realized onsite without compromise.

Since joining RND in 2002, Steve has been an integral member of the design teams for all projects, but excels at Construction Administration. Prior to his career in architecture, he worked for 10 years in the construction industry, which gives him an intimate knowledge of the entire building process.

Steve is an active member of the North Carolina AIA and is currently leading Enhanced Construction Administration Services for City of Durham's City Hall Exterior Envelope Renovation.

Education

Masters of Architecture, NC State University

Bachelor of Science, Biology, Carroll College

Registrations & Certifications

Registered Architect in NC

CONSTRUCTION ADMINISTRATION SERVICE DELIVERY MODEL

During the construction phase, projects are at the greatest risk for incurring additional costs due to delays in decision, ineffective project leadership, and missed opportunities to collaborate effectively. RND Architects maintains a collaborative team by applying the same senior personnel who assisted the design process in the construction phase. This approach provides continuity to your project, as the main point of contact remains the same. You will get the same level of dedication and service experienced in the design phase during construction. We are committed to training our junior level staff to become leaders in the design and construction industry, so we will involve other staff in onsite meetings and observations. However the project will continue to be led by senior experienced RND Architects staff who are able to draw from past experiences and effectively lead the construction process as a trusted, knowledgeable and committed representative of the owner.

Principal David Daniel, Project Manager Rhonda Zack, and Construction Administration Architect Steven Pulling are knowledgeable of the public procurement process and how it affects project delivery from design to construction completion and closeout. Some of the tasks we excel at are:

- Review initial construction schedule and identify potential coordination challenges.
 - Provide regular progress reports of site activity and schedule adherence.
 - Conduct regularly scheduled progress meetings for planning, coordination and payments.
 - Monitor contractor performance, schedule, and contract compliance.
 - Monitor, evaluate and administer change order requests.
- Prepare and administer payment and cost control procedures.
 - Request and review the development of warranties and guarantees.
 - Coordinate substantial completion, punch lists, final inspections, and owner acceptance at occupancy.
 - Project Closeout / Final Report / Record Documents and post Occupancy Evaluations.

RND's commitment to the collaborative process and fostering teamwork ensures the project is delivered with fewer conflicts and shared responsibility. We lead a weekly Owner/Architect/Contractor meeting as if it were a Monthly State Construction Office meeting to review upcoming issues and coordinate appropriately to be proactive throughout the construction process. Our weekly updates are communicated to all parties with field reports allowing immediate recognition of developing coordination issues and driving the success of the construction phase.

RND Architects is located in Durham, NC, 14 miles from the proposed site of the new Orange County Detention Center. Being so close to the project site will afford RND Architects the ability to administer this project with rapid responses and increased field observations to enhance our already dedicated and committed approach to the successful outcome of this project. Proximity to the site will facilitate quick decisions, keeping project construction on schedule and minimizing costly delays. Any general contractor will tell you that delays in decisions when issues arise cost more time and money than the issues that present themselves in construction. Having a seasoned Construction Administration team minutes away will greatly benefit your project.

7. LOCAL CONSTRUCTION COMPANY PARTICIPATION

ENHANCING THE LOCAL COMMUNITY

In an effort to encourage local construction participation, Cope Architecture has utilized some of these methods:

- We will contact local area contractors via phone to solicit interest.
- The Committee/County must make a determination if it is more important to have local contractor participation (some may not have jail experience) or to have a contractor with previous jail experience.
- We will contact area plans rooms to make them aware of the project that will be forthcoming so they can get the word to the contractors and community about the project.
- Also, by contacting the local plans rooms (this is where area subcontractor suppliers, etc., get their information on upcoming bid projects), we can spread the word to local building suppliers, contacting trades, etc., of the upcoming project.
- The County can look at hiring a construction manager with one of the criteria to be located within a particular mile radius of Hillsborough. This would ensure that it is a local/area contractor.
- In addition, RND Architects provides drawings in PDF format free of charge to any potential Bidder and hosts them on our website for free download encouraging local, small and HUB certified contractors who may want to participate but don't want to expend money to obtain plans.
- RND Architects also maintains a relationship with local general and sub-contractors and will notify them of this project upon the time to bid.

8. LIST OF CURRENT ONGOING PROJECTS

COPE ARCHITECTURE CURRENT PROJECTS

Staff Resources

Cope Architecture's projected work load is evaluated weekly utilizing a detailed project schedule, manpower schedule, and three-month project outlook schedule. Our workload and projections show that we have the personnel available to provide the services required for the timely completion of the project. Our weekly management meetings to review schedules and weekly manpower allocations, coupled with a staff of 21, are tools we regularly use to adjust production to meet deadlines as necessary.

Cope Architecture has a long track record of demonstrating our ability to meet schedule requirements. Our process works because of our diligence in communicating the challenges and opportunities at the very outset of the project and updating those on a regular basis, as decisions are made along the way, so that no one is surprised at where we arrive. All parties always know where we are headed up front. If a decision is made that changes direction related to schedule, we will inform the Owner, other parties as appropriate, and the entire project team, as soon as we know the implications of that decision.



8. LIST OF CURRENT ONGOING PROJECTS

ONGOING CURRENT PROJECTS	START DATE	COMPLETION (ESTIMATE)	COST (ESTIMATE)
Advance Financial	5/1/15	8/1/15	\$100,000
Bradley County Workhouse	6/1/15	hold	\$4,000,000
Brushy Mountain Distillery Redevelopment	5/1/15	6/1/16	\$12,000,000
Chrysler Dealership Rocky Top	2/1/15	11/1/15	\$1,000,000
Claiborne County Jail	1/1/14	2/17/17	\$9,000,000
DDRT Energy Efficient Upgrades	12/12/2014	6/1/15	\$5,000,000
Fayetteville Police Hall	9/2/14	6/1/16	\$2,000,000
GSA CVG TSA Airport Office Renovation	2/1/15	6/30/25	\$500,000
GSA USICE renovation	1/1/14	7/1/15	\$800,000
Land Rover Jaguar – Chattanooga	1/1/15	2/1/16	\$1,000,000
Lincoln County Jail	7/14/14	12/1/15	\$7,200,000
Loudon County Schools	12/1/14	3/1/17	\$4,000,000
Loudon County Tech Center	7/1/2015	1/1/2016	\$400,000
Middlebrook Pike Office and Site	2/2/215	6/1/16	\$2,000,000
Moore County Jail	3/1/15	7/1/16	\$1,300,000
PANTEX – Anthony & Gordon	5/1/14	6/1/15	\$2,000,000
Pulaski Park Upgrades	5/1/15	8/1/15	\$85,000
Swain County Schools	9/1/14	2/1/16	\$3,000,000
University of Tennessee Clarence Brown Theater	2/1/15	8/1/15	\$150,000
University of Tennessee Facility Services Complex	1/1/14	2/16/16	\$17,000,000
University of Tennessee Haslam Field	4/2/15	2/1/17	\$12,000,000
University of Tennessee New Residence Hall	1/1/14	7/1/16	\$85,000,000
West Wilson County Utility	2/1/15	9/1/15	\$6,000,000

TRAVEL COST SAVINGS

During the design phases, Cope Architecture can combine our visits with business development trips for about half our efforts. All of our consultants, except for Dewberry (civil engineering and security electronics), are local within an hour of Hillsborough.

We have another county corrections project in East Tennessee where Dewberry is our security electronics consultant. If successful on that project, we can also combine trips and pass that savings on to Orange County.

The bulk of the construction administrative phase of site visits, updates to County Commission, etc., will be handled by RND out of nearby Durham. This will eliminate the need for the majority of travel that would be necessary for Cope Architecture from Knoxville. Most of our engineering team that would be required to visit the job site periodically are out of Raleigh or Hillsboro, therefore travel issues are minimal. Cope Architecture and civil engineer/security consultant, Dewberry, would have limited visits during construction.



MADISON COUNTY LAW ENFORCEMENT CENTER

Marshall, North Carolina



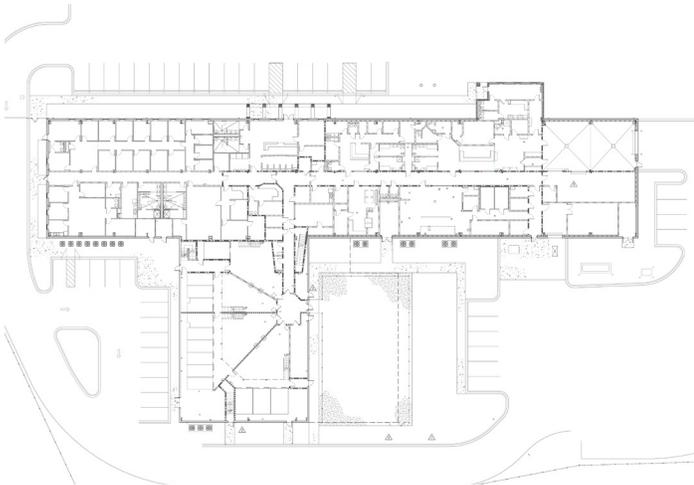
Cope Architecture provided architectural design, project management and construction administration services for the Madison County Law Enforcement Center, a new 64-bed (expandable to 128), 37,000-SF facility that replaced the oldest active jail in the state of North Carolina.

The complex houses the county jail, sheriff's department, and E911 call center. The facility also provides full kitchen and laundry services for the jail, as well as inmate visitation and property storage areas. It is designed to connect to a future justice center/courts complex.

The site is designed to accommodate and house larger emergency vehicles. The project was complicated by the mountainous terrain of the region, requiring many feet of fill in one spot and cutting into the mountainside in another.

Owner/Reference

Madison County Municipal Government
Charles Tolley, Project Manager
828.712.2769



Statistics

Design Completed: November 2009
Construction: May 2010 - 11/2011 (554 days)
Original Contract Amount: \$7,388,000
Number of Change Orders: 9
Amount of Change Orders: \$371,382 *includes mass rock in a mountainous setting*
Total Project Cost: \$7,759,382; \$216/SF

Firm Project Manager

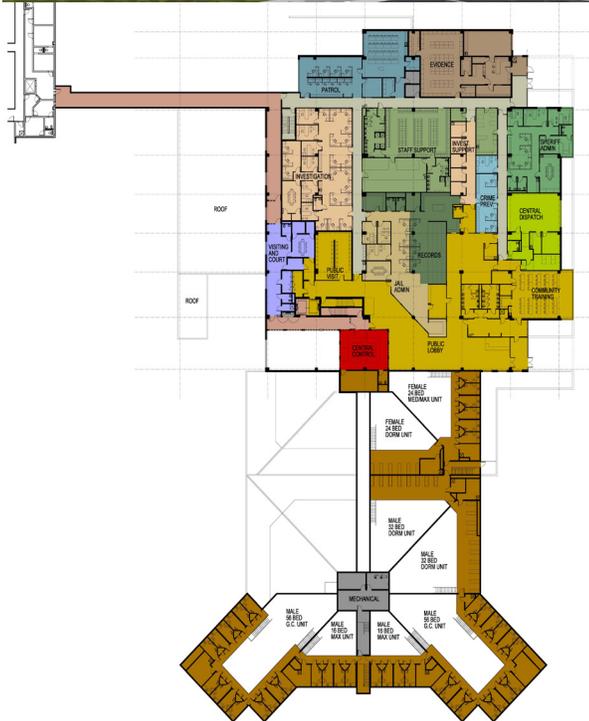
Grant Tharp, AIA

WILKES COUNTY LAW ENFORCEMENT CENTER

Wilkesboro, North Carolina



Cope Architecture provided a jail needs assessment for housing and sheriff’s functions for a 30-year period. To streamline their operations and consolidate several different, out-of-date facilities, Wilkes



County contracted with Cope for a new 120,000-SF law enforcement center. It was planned for future expansion to 412 inmates, and initially designed to handle 298 inmates, 56 of which would be federal inmates. Half of the facility was dedicated to detention with the other half to be used for offices, sheriff’s administrative functions, a new E911 communications center, and new magistrate’s office. The project was designed to alleviate strain on the existing courthouse to which the law enforcement center would be connected via a bridge to allow secure transport of detainees from the facility to the courthouse.

Electrical: 3000A, 480/277V service; 1500KW, 480/277V diesel engine-generator; automatic transfer switches for emergency, legally-required and optional standby distribution systems; 30kva, 208/120V UPS for emergency communications center; motor control center for smoke exhaust fans

Mechanical: 21 packaged gas-fired rooftop units & six split system heat pumps, many utilizing energy recovery units; design included conditioning an on-site laundry facility, a full service kitchen with Type I hood exhaust and variable air volume dampers were integrated into the administration area; design of the cell pods and detainee areas entailed special attention to security and also required a smoke removal system

Plumbing: monitoring system for inmate cells with ability to set when and how often each inmate was allowed to flush and use the combination units in their cells; roof drainage; natural gas system

Statistics

Construction Cost: \$23 million (\$28M bid)
 \$191/square foot
 Design Completed: January 2009
 Construction Completed: cancelled after bid

Owner/Reference

John Yates, Wilkes County, NC, 336.651.7346

Firm Project Manager

Grant Tharp, AIA

Consultants

Structural Engineer: Taylor and Viola
 Mechanical, Electrical, Plumbing, Fire Protection: Page Interworks
 Security Consultant: Dewberry



MCMINN COUNTY JUSTICE CENTER

Athens, Tennessee

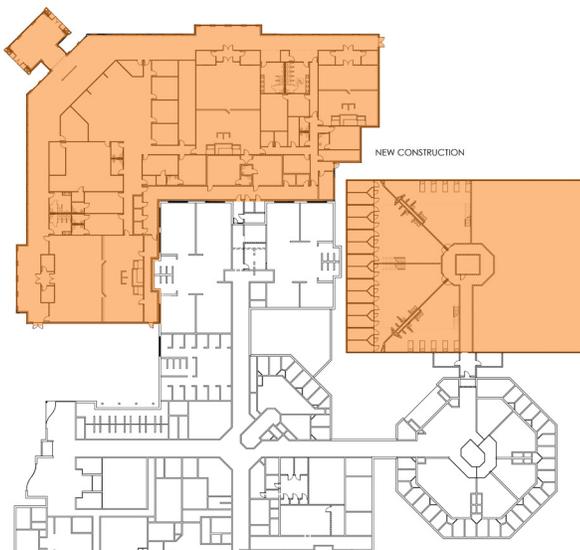


Cope Architecture initially prepared a comprehensive study and needs assessment to evaluate County jail and courts needs for 25 years, then evaluated whether to build a new Justice Center, make additions and renovations at the old courthouse, or add courts to the existing jail location to create a Justice Center.

Based on the results, we prepared bid documents for a 125-bed expansion, 28,500 square feet of courts (three courts), and all associated clerk’s space at the current jail location which avoids having to transport inmates from a Justice Center to the courthouse downtown for hearings. The addition gives the County more courtroom spaces and allows for larger courtrooms, in addition to housing the County Clerk’s offices. Interior renovations included a complete reworking of the security electronics system, reroofing, modifying kitchen and laundry facilities, and space planning for improved function and flow.

Cope relied on intensive interaction with all of the user groups to make sure all of their needs were met which resulted in, among other things, additional space for the kitchen and the nurses’ area. The project also included renovating the jail and adding half a jail pod. We are also provided construction phase services.

Future plans include adding the second half of the jail pod and an additional court along with related offices.



Statistics

- Construction: April 2013 - August 2014
- Original Contract Amount: \$8,886,000
- Number of Change Orders: 1
- Amount of Change Orders: -\$297.132
- Project Cost: \$8,588,868 million (within budget)
\$200/SF

Owner/References

- McMinn County Mayor John Gentry, 423.745.7634
- Mr. Russell Thress, County Architect, 423.744.4084

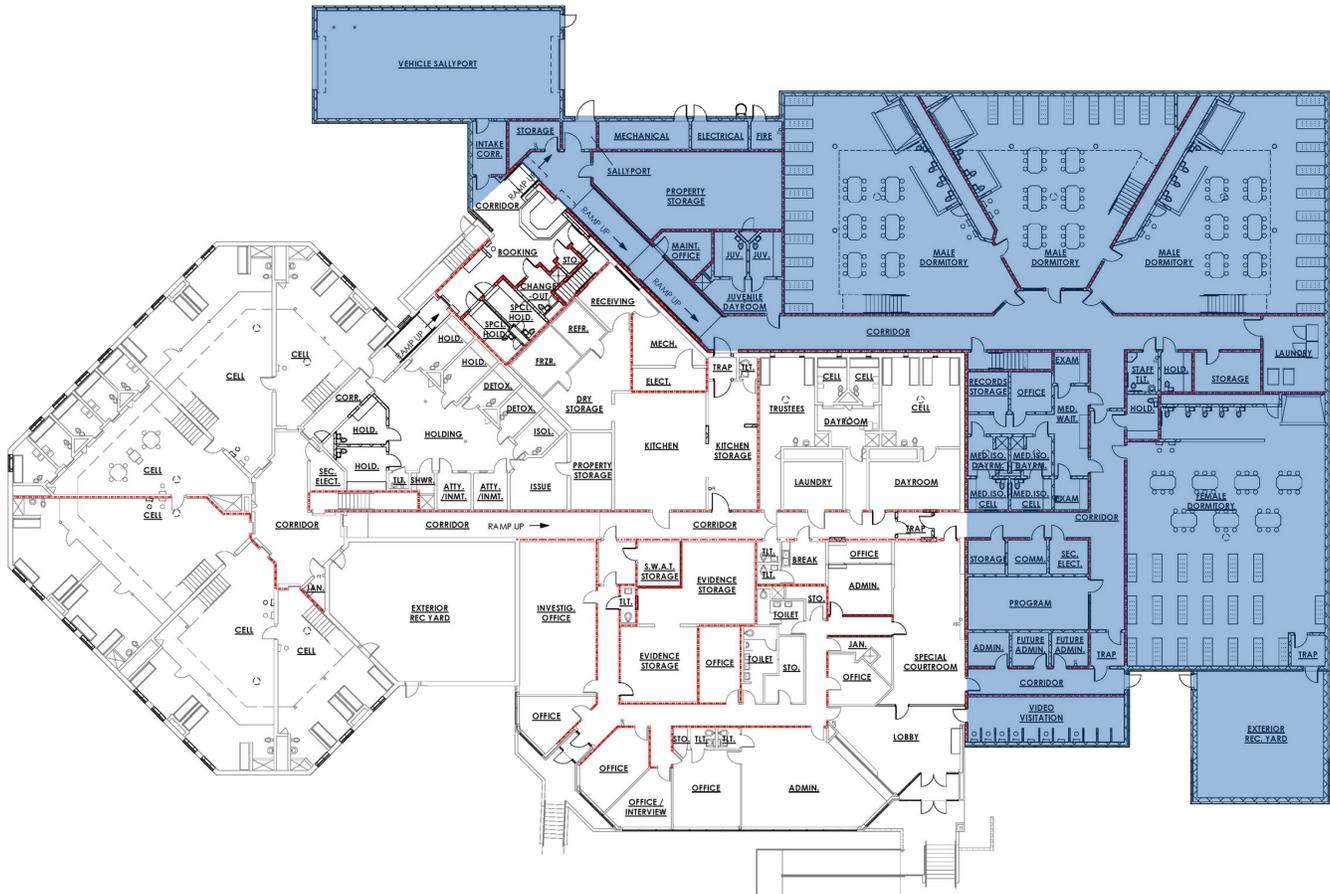
Firm Project Manager

Grant Tharp, AIA



LINCOLN COUNTY JUSTICE CENTER

Lincoln County, TN



Statistics

Size: 20,000 square feet
 Inmate Capacity: 300
 Design Completed: May 2014
 Construction Completed: December 2015 (est.)
 Construction Cost: \$7.2 million (est.)

Owner/Reference

Cole Bradford, Lincoln County Finance Director
 931.438.1566

Firm Project Manager

Grant Tharp, AIA

Cope Architecture provided a needs assessment for an addition of 100 beds to the existing facility, as well as expansion plans for future beds, sheriff’s operations, and courts to turn the jail into a justice center.

Cope Architecture is currently providing design services for the addition.

The County had substantial need for bedding space for females and males in a dormitory setting, as well as juvenile holding. Current issues that were resolved were:

- Expanding the medical facilities;
- Upgrading kitchen operations; and
- Expanding booking intake by capturing the existing intake/sallyport for booking and holding, then adding a new vehicular sallyport.



WESTERN REGIONAL CRIME LAB

Edneyville, North Carolina



Statistics

Size: 36,000 square feet
Construction Start: July 2015
Duration: 18 months + 2 months commissioning
Completed: March 2017 (est.)
Original Contract Amount:
\$14,468,100; \$400/SF
(\$300,000 under budget)
Number of Change Orders: N/A
Amount of Change Orders: N/A
Total Project Cost (Bid):
\$14,468,100

Owner/Reference

NC Department of Justice
Dana Phillips
919.525.4154

Firm Project Manager/Principal

David Daniel, AIA

The North Carolina Department of Justice's (NC DOJ) State Crime Lab needed to upgrade their Western Regional Lab to provide an efficient facility to handle more cases and provide new services for the Western Counties of North Carolina. RND was selected first to develop a program and accurate cost for this new building. After successful programming and planning, the RND led design team was asked to continue on to design this important state owned facility through to Construction Documents.

RND Architects led the NC DOJ through an intensive programming process that resulted in an organizationally efficient and properly sized laboratory building including all lab disciplines with room for later expansion. From the successful programming process, RND was able to quickly synthesize the owner's requirements and produced a conceptual design plan that carried through to later design phases without major revisions, saving planning and design time while maintaining the owner's budget.

The design for the new facility is a simple response to a complicated building which translates into a facility that will be easy and efficient to operate and maintain. This simplicity in design will also translate into faster construction allowing the building to come online sooner. Once open, the Crime Lab will increase the production of the State Crime Lab staff who will be able to more quickly turn cases around while confidently meeting the strict standards for maintaining their ASCLD-LAB accreditation and ISO 17025 accreditation achieved through Forensic Quality Services.

DEWBERRY – SECURITY, TELECOM, DETENTION AND CIVIL ENGINEERING

Firm Profile

Dewberry is a leading architectural, engineering, consulting, and management firm that specializes in the planning and design of justice facilities. It is a national firm that is regularly included in both ***Building Design + Construction*** and ***Engineering News Record*** magazines' lists of the top A/E firms.

Providing criminal justice expertise to federal, state and local government for over 40 years, we are continually recognized by the American Correctional Association and American Institute of Architects, having more than 50 projects exhibited or cited for recognition for design excellence by the AIA Academy of Architecture for Justice.



Principal-In-Charge (for Dewberry) and Security/Telecom Specialist

Tim Smith, RCDD, RTPM, has more than 29 years of professional experience. He has devoted his entire career to serving justice clients. His security expertise includes all aspects of justice related security and communications technology and the integration of that technology with architectural and detention design. He has worked with Cope Architecture Principal Grant Tharp for more than 20 years on such detention projects as the Wilkes County Law Enforcement Center, Jackson County Jail Addition, Haywood County Law Enforcement Center, Blount County Justice Center, and Sullivan County Jail.



Security/Telecommunications Designer

Craig Clary, DBIA, is a Security/Telecommunications Designer with experience in justice facility new construction and renovations. He has more than 15 years of experience in the building and construction industry. Craig has significant experience in design and construction administration of security electronics and telecommunications systems in courts, public safety and correctional facilities. Projects include Garland County Jail Security & Detention, Baltimore Youth Detention Center, Socorro County Adult Detention Center, Seward County Justice Center and SCI Phoenix East and West Correctional Centers.



Detention Designer

Ryan Blythe has more than 17 years of professional experience and is a skilled Detention Designer. His detention expertise includes but is not limited to: detention hardware, detention furniture, detention furnishings, detention steel doors and frames. Representative projects include Tulsa County Jail, Baltimore Youth Detention Center, California Dept. of Corrections and Rehabilitation Mule Creek Infill Complex, Stanislaus County Jail and Intake Center, Dallas City Hall Lobby Renovation, Sutter County Jail Expansion, and Seward County Justice Center Engineering Services.



Senior Associate/Civil Engineer

Larry Mitchell, PE, will serve as Manager for Civil Engineering design. He will coordinate with the County, the Orange Water and Sewer Authority, He has worked on several projects in Orange County and specifically for OWASA over the past several years. He has over 20 years of experience managing civil related projects and water and sewer designs and has directly managed or executed over 20 projects for OWASA. He has extensive experience in planning, design, and construction administration of utilities projects.



TAYLOR & VIOLA STRUCTURAL ENGINEERS – STRUCTURAL ENGINEERING

Firm Profile

Joseph M. Taylor, PE, began a private practice of structural engineering on January 1, 1988, after retiring from 30 years of service as chief engineer at Carolina Steel Corporation, Hickory Plant. On August 1, 1989, J. Kirk Viola, PE, joined Mr. Taylor and started the engineering firm known as Taylor and Viola Structural Engineers, P.C. Mr. Viola's engineering experience also stemmed from employment at Carolina Steel Corporation. During his eight years of employment at Carolina Steel, he transferred from the Greensboro office to the

Hickory office where he was drafting manager and then chief engineer. Mr. Viola is now President and Owner of Taylor and Viola Structural Engineers, P.C.

The 11 person firm is fully computerized and currently utilizes AutoCAD Architecture 2014, AutoCAD Revit Structure 2013, RAM Analysis and Structural Systems, EnerCalc Version 6, and SDS/2 Structural Steel Detailing Software. Taylor and Viola Structural Engineers serves regional architects, engineers, and industry in providing their structural design needs.



Structural Engineer / Principal

Kirk Viola, PE, President, has over 34 years of structural engineering experience. His engineering experience stemmed from Carolina Steel Corp. During eight years of employment at there, he transferred from Greensboro to Hickory where he was drafting manager, then chief engineer.

Mr. Viola is President and owner of Taylor and Viola Structural Engineers. Proficient in AutoCAD and other industry leading design software. Knowledgeable with the design requirements for compliance of all applicable government codes and regulatory agencies.

Project experience includes: Barnwell Detention Center Addition, SC; York County Courthouse Renovations & Additions, SC; and Maiden Town Hall, NC.



Structural Engineer / Project Manager

Jason Reep, PE, has over 19 years experience in structural engineering and has been with Taylor & Viola since 2005. His experience includes designing complete building systems, miscellaneous structures, and/or structural components for various classification types, including commercial, industrial, residential, government, military, medical and educational facilities. He is familiar with design techniques and common construction practices such as steel, concrete, masonry, timber, etc., and knowledgeable of the design requirements for compliance with all applicable government codes and regulatory agencies.

Projects include: LeGrand Center, Shelby, NC; National Maritime Center U.S./GSA, Martinsburg, WV; Cleveland County Health Department, Shelby, NC; Camp Lejeune Buildings AS215 and AS118; Town of Wrightsville Beach New Public Safety Building; and the VA Medical Office, Hickory, NC.



TAYLOR AND VIOLA
STRUCTURAL ENGINEERS

PAGE INTERWORKS – MECHANICAL, ELECTRICAL, PLUMBING & FIRE PROTECTION

Firm Profile

PAGE INTERWORKS, P.A. (PAGE), North Wilkesboro, NC, began providing high quality electrical engineering designs services in northwest North Carolina in 1994. This humble beginning grew as clients requested PAGE to provide additional design services under one name. PAGE has continued to grow in the services offered. PAGE offers mechanical, plumbing, electrical, fire protection, fire alarm, sustainable (LEED), lighting and photometric design services. PAGE also offers consulting services in the areas of utility rate consulting, utility rebate research, energy simulations, power quality surveys, on-site facility surveys and as-built drafting services.

Clients consist of architectural firms, corporations and individual clients with projects ranging from small commercial to large industrial facilities.

Mechanical & Plumbing services include HVAC systems, plumbing systems, building energy studies and systems evaluation.

Electrical services include Interior lighting systems, power distribution systems, fire alarm systems, site lighting systems, emergency and stand-by generation systems, fault current studies and systems evaluation.

Fire Protection includes fire protection criteria design and fire protection criteria shop drawing review.



Electrical Engineer

Davis O. Diehl, PE, has 24 years of experience in electrical design and construction administration for commercial and institutional buildings, including 12 years at PAGE. For the past six years, he has been an MEP team leader in addition to being the team electrical designer. As team leader, Davis is responsible for ensuring that client expectations are being met by all team members. For this project, he would be PAGE's team leader and electrical engineer-of-record.

His design experience includes a 120,000 square foot law enforcement center with a 288-bed detention facility.

Mechanical Engineer

Jason R. Phipps, PE, LEED® AP, has 15 years of experience in mechanical, plumbing and fire protection design and construction administration for commercial and institutional buildings, and has been with PAGE since 2011. Since coming to PAGE, Jason has been his team's lead designer for M/P/FP systems, and has overseen the designers working under his responsible charge. For this project, he would be PAGE's mechanical and plumbing engineer-of-record.

Recent projects include a 750,000 square foot textile manufacturing facility in Mocksville, NC, and a 164-room hotel in Durham, NC.

THOMPSON & LITTLE, INC. – FOOD SERVICE CONSULTANT

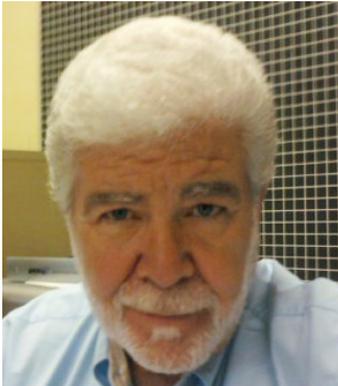
Firm Profile

In 1945, Thompson & Little opened their showroom doors and sold smallwares to local restaurants. Entrepreneurs Lucille and Wilbur O’Quinn worked vigorously to keep the small business running, and by 1955, they had established the company as a viable dealership in the food service industry. Sales began to explode in the late sixties when the government began pushing new construction of public institutions such as schools and hospitals. Thompson & Little aggressively pursued these new contracts, and before long, they became the kitchen “contract house” in the Carolinas. In 1980, Wilbur had stepped down as President and turned the company over to his son, Danny O’Quinn.

Thompson & Little continued to expand and gained recognition as a leader in the foodservice industry. In 1990, Thompson & Little was accepted into SEFA (Supply and Equipment Foodservice Alliance), the premier buying group in the food service industry.

Over the past 10 years, Thompson & Little has continued to evolve. Most recently, Thompson & Little was awarded their GSA Certification number, making them a select government vendor serving all branches of the government’s food service needs. Thompson & Little has also opened their own kitchen design and layout department. With this department, they can design a kitchen from scratch and prepare a floor plan and detail drawings.

Now a third generation company with over 70 years of food service experience and knowledge, Thompson & Little is one of the largest food service dealerships in the Southeastern US. The company has excelled and grown based on one idea, to provide the customer with food service solutions that enhance their operation. At Thompson & Little, we will continue to add value to your operation due to our expertise and commitment to excellence from our long-standing employees.



Food Service Designer

Jerry Weinberg, Director Project Development & Facility Design, has the experience and ability to manage, enhance and ensure project success related to food services. He has extensive exposure to all phases of the process, including concept development, facilities design, equipment specification, as well as significant “hands on” supervisory responsibility for the installation and construction of those facilities. The ability to communicate effectively with clients, vendors, architects, contractors and support personnel at all levels, insures project coordination that results in increased efficiency and overall cost reduction.

He has participated in over \$100 million in Institutional food service and retail food projects utilizing equipment from every major manufacturer of food processing, cooking, heated holding and refrigeration equipment for such clients as: Outback Steakhouse, Chick-Fil-A, KFC, Wendy’s, Marriott Hotels, Publix Supermarkets, Earth Fare Markets, Garden of Eden Markets, Joseph’s Classic Market, Meat Supreme, Captain Mike’s Seafood, Fort Meat Distributors, The Pantry, Iowa Meat Distributors, The Fish Peddler, Meat Palace, Brice International, Lobster & Lobster, Walt Disney World and Universal Studios as well as major hospitals, universities, schools and countless others.



WORKINGBUILDINGS – COMMISSIONING

Firm Profile

WorkingBuildings (NC Engineering License P-0338) was formed in July 2000. Over the past 15 years, we have developed deep resources in specialized, expert staff and our processes have been honed in highly challenging environments. Our staff includes architects, engineers, program managers, energy managers, and an operations team. Throughout the industry, our staff is regarded for its practical, team-oriented approach to solving issues. From initial inception, we have continually responded to the needs of building owners and the industry, remaining at the cutting edge as a services provider.

WorkingBuildings provides program management, construction management, commissioning, existing-building commissioning, LEED consulting, sustainability programming, energy management services (audits, benchmarking, modeling, etc.), O&M Services, and CxAlloy TQ quality management software.

In total, WorkingBuildings has provided services for more than 150 million square feet of facility space on 1,000+ projects with a collective value of \$15 billion.



Project Lead

Robin Wilson is a Professional Engineer in North Carolina. On the Orange County Jail Project, he will serve as Commissioning Authority. He has more than 35 years of hands-on experience as an engineer. Robin has been responsible for the installation, operation, maintenance, regulatory compliance, and optimization of utility systems. Robin has extensive experience on new construction projects

As a native of North Carolina and a man who's spent his entire career working in the state, he is intimately familiar with the importance of local codes, including North Carolina Jail Standards (10A NCAC 14J). As the commissioning team leader, he will maintain the commissioning schedule and deliverables.



Project Commissioning Authority

Tony Martin is a Professional Engineer with more than 14 years of experience with mechanical systems, 11 of which have been spent with WorkingBuildings. He provides commissioning, energy use analysis, and LEED consulting. On the Orange County Jail Project, Tony will work directly with Robin, the project lead. Tony's experience makes him an expert in reviewing drawings, optimizing HVAC controls sequences, performing site observation visits during construction, and verifying proper system operation during functional testing.

Tony has extensive experience providing commissioning services on jails and prisons. In addition to several correctional facilities in Arizona and California, Tony has served as Commissioning Authority at Bledsoe Correctional Complex in Tennessee and Webster Detention Center in Georgia.



11. WILLINGNESS TO AFFILIATE WITH MINORITY, WOMAN-OWNED OR DISADVANTAGED BUSINESSES

Cope Architecture, a small business enterprise (SBE), routinely works with minority business enterprises (MBE), woman-owned business enterprises (WBE) and disadvantaged business enterprises (DBE). We are including addition SBEs on our team with RND Architects and Page Interworks, as well as a WBE with Thompson & Little, Inc.

12. QUALITY CONTROL AND ASSURANCE

QUALITY ASSURANCE

The Quality Control (QC) plan objective is to ensure that project delivery conforms to the proposal request, design respects the wishes and needs of the end users, and the managers charged with this delivery have clear oversight capabilities. It is also imperative that the resulting construction documents reflect the needs and requirements of materials, workmanship, finishes, performance, budgets and schedules.

Cope Architecture's quality control is based on a proactive approach of *steering* quality in lieu of *restoring* quality. Our QC methodology builds on the principle that design concepts and document preparation should be *steered* to optimize an effective design and appropriate level of quality at the project's beginning, rather than attempting to *restore* quality at the end of the project through the use of pre-final reviews.

The *steering team* is comprised of senior professionals from the technical, managerial, and construction practice areas. During preliminary design phase, the project manager assembles the consultant team's senior professionals to review system concepts proposed by the technical team. The benefit of this approach is realized throughout the project by evaluating and obtaining buy-in of system concepts during the first stage of project development, thus minimizing the likelihood of redesign late in the project schedule.

The next essential element is Quality Assurance (QA). This is a daily function and the responsibility of each team member. During the construction documents phase each discipline coordinates regularly on project related issues.

Daily team member coordination is standard operating procedure, a routine easily accomplished with today's electronic and technical resources. Open communication channels are maintained between Cope and consultant team members to coordinate daily progress.

QC is an important element in the quality product equation. Our objective is to have well-coordinated construction documents with minimal conflict prior to the quality control review step. As a final determination, all construction documents are thoroughly reviewed utilizing a detailed QC procedure to reveal items that merit additional work.

QUALITY CONTROL

Quality Control Approach

Our QC approach consists of several components and systems that we have developed throughout our firm's 30-year history. Some of our basic philosophies and components are:

- Our system of ready check has been derived from various standards employed by Federal and State governments, the American Institute of Architects, and our own checks based on our years of experience.

- Our designs are reviewed by a fresh set of eyes, an architect that has had no knowledge of the project up to the time for checking.
- We have a staff of construction administration personal with construction backgrounds that also check the documents for constructability.
- We have developed an internal mechanism called *Anatomy of a Project*, a check list by phase that is reviewed by the project manager and our COO at the end of each phase of each project.
- We conduct periodic face-to-face meetings with our entire team throughout the project.

Quality Control Procedures

Our QC and QA can be supported by Primavera Expedition software both during the design phases and Construction Administration phases. We have the capability to provide total project control through Primavera Expedition software that automates management, function, and tracking from design to project close-out.

We use the Microsoft Office Family of products including Word, Excel, PowerPoint, Outlook and Project. CAD software includes AutoCAD 2006, Microstation V8 and Revit. We can convert between AutoCAD and Microstation in-house.

During the design and construction administration phases, our QC plan addresses the following:

- Material selection
- Constructability reviews
- Design schedule & construction requirements analysis
- Establishment & maintenance of RFI systems
- Value engineering analysis
- Identification of long lead items
- Product maintainability analysis
- Progress of design report-ability
- Approval of subcontractors
- Submittal of control testing plan
- Maintenance of record copies of submittals

- Establishment & maintenance of COs & RFIs
- Ensuring performance of inspections
- Maintenance of quality control records
- Regular reviews of as-builts
- Development of material protection plans
- Management of independent testing lab work
- Management of inspections, reviews and punch lists
- Coordination of project close-out
- Management of project close-out files
- Submittal document management/review

Methods of Quality Assurance Control

Pre-Design/Programming – Most coordination occurs between the Project Manager, Architect and facility user staff/representatives. During this phase, the Project Manager compiles information and results of the previous study and efforts to date, and assimilates that in a program of needs based on the schemes and expansion concepts the Owner has targeted. The QA aspect lies in continual interaction between the Project Manager and staff team/representatives.

Schematic Design – During this phase, the Project Manager and Architect are key components as the basic floor plan, site plan, and costs are established and refined. The engineering staff determines their spatial needs and evaluates how their systems can be incorporated into the facility. The QA coordinator comes from the continued interaction among the Project Manager, Architect, engineering staff, and Owner's staff and project representatives.

- Anatomy of a project is utilized.
- Action item list is utilized.

Design Development – During this phase, all engineering and architectural systems are refined; loads and sizes are calculated. QA is not only through interaction as above, but also at the end of the phase.

12. QUALITY CONTROL AND ASSURANCE

An in-house person who hasn't been associated with the project to date performs a QA review for input and conditions.

- Anatomy of a project is utilized.
- Action item list is utilized.

Construction Documents – During this phase, permitting/bidding documents are completed. We continue our meetings with the Owners, so they can see firsthand how the drawing package comes together. They can assist in resolving issues and conflicts as they arise, while putting the final set details and documents together.

At the end of this phase, we send the package to our in-house reviewer who reviewed the design development set. Our Construction Representative Consultant will also review the set for comments.

- Anatomy of a project is utilized.
- Action item list is utilized.

Bidding – During the bidding phase, we maintain a consistency by having all requests for information, questions, etc., flow through the Project Manager. This helps us ensure that nothing *falls through the cracks*.

13. LITIGATION

Cope Architecture has no pending litigation and has never been to litigation over a design issue in its 32 years of operation. In addition, no claims have ever been filed against the professional liability insurance carrier.

14. HOURLY BILLING RATES AND EXPENSES

HOURLY RATE SCHEDULES

POSITION TYPE	HOURLY RATE		POSITION TYPE	HOURLY RATE
COPE ARCHITECTURE				
Principals	\$180.00 - 300.00		Construction Administrator	\$85.00 - 100.00
Directors	\$100.00 - 155.00		Drafter I	\$55.00 - 65.00
Associates	\$90.00 - 140.00		Drafter II	\$60.00 - 75.00
Project Managers	\$85.00 - 125.00		Accounting	\$60.00 - 75.00
Architects	\$75.00 - 125.00		Clerical	\$60.00 - 65.00
RND ARCHITECTS				
Principal	\$165.00		Intern Architect/Designer 1	\$100.00
Project Mgr./Proj. Architect	\$135.00		Intern Architect/Designer 2	\$90.00
Interior Designer	\$120.00		Clerical	\$65.00



14. HOURLY BILLING RATES AND EXPENSES

POSITION TYPE	HOURLY RATE		POSITION TYPE	HOURLY RATE
DEWBERRY				
Engineer VIII	\$190.00		Designer III	\$130.00
Designer IV	\$150.00		Designer II	\$85.00
TAYLOR & VIOLA STRUCTURAL ENGINEERS				
Principal Structural Engineer	\$150.00		Draftsman	\$65.00
Structural Engineer-Proj. Mgr.	\$125.00		Clerical	\$45.00
Senior Designer	\$80.00			
PAGE INTERWORKS				
MEP Senior Engineer	\$135.00		MEP Designer I	\$80.00
MEP Engineer	\$110.00		MEP Cad Technician II	\$70.00
MEP Senior Designer	\$100.00		MEP Cad Technician I	\$60.00
MEP Designer II	\$90.00		Administrative Support	\$50.00
THOMPSON & LITTLE				
Food Service Designer	\$100.00			
WORKING BUILDINGS				
Senior Principal	\$235.00		CXA 3	\$130.00
Principal	\$185.00		CXA 2	\$120.00
CXA 5	\$170.00		CXA 1	\$85.00
CXA 4	\$150.00		Administration	\$70.00
CONSULTANTS				
Ed Williams	\$150.00		Greg Minton	\$50.00

COPE ARCHITECTURE REIMBURSABLE EXPENSES

Per Diem Rates

Hourly Rate x 8 hrs. per day (not to exceed \$2,000.00)
(per diem rates apply to court time, expert testimony, out-of-town travel, etc.)

Travel

1. Automobile Mileage (In accordance with 2014 IRS Guidelines) \$.56/mile
2. Other Travel Expenses (lodging, meals, airfare, rental car, etc.) Cost + 20%

Printing and Reproduction

- | | | |
|-----------------------------|------------------------|----------------------|
| 1. In-house Printing | 24 x 36 @ \$1.00/sheet | 30 x 42 @ 1.50/sheet |
| 2. Photocopies - B/W | 8.5" x 11" | \$0.10/copy |
| 3. Photocopies - Color | 8.5 x 11" | \$1.00/copy |
| 4. Photocopies - Color | 11x 17" | \$2.00/copy |
| 5. Postage/Delivery Charges | | Cost + 20% |
| 6. Other Approved Charges | | Cost + 20% |



15. WILLINGNESS TO SIGN THE ORANGE COUNTY STANDARD CONTRACT AGREEMENT FOR DESIGN SERVICES

Cope Architecture is willing use the contract required by Orange County, but would like the County to consider the following modifications:

FROM PAGE 2:

In accordance with the standard of care,

ii) Provider shall be responsible for ~~all~~ errors or omissions of its agents, contractors, employees, or assigns in the performance of the Agreement. Provider shall correct any and all errors, omissions, discrepancies, ambiguities, mistakes or conflicts at no additional cost to the County.

the negligent

iv) Provider is an independent contractor of County. Any and all employees of the Provider engaged by the Provider in the performance of any work or services required of the Provider under this Agreement, shall be considered employees or agents of the Provider only and not of the County, ~~and any and all claims that may or might arise under any workers compensation or other law or contract on behalf of said employees while so engaged shall be the sole obligation and responsibility of the Provider.~~

FROM PAGE 4:

8. Indemnity

a. Indemnity. The Provider agrees to defend, indemnify and hold harmless the County from ~~all~~ loss, liability, claims or expense, including attorney's fees, arising out of or related to the Project and arising from bodily injury including death or property damage to any person or persons caused ~~in whole or in part~~ by the negligence ~~or misconduct~~ of the Provider except to the extent same are caused by the negligence or willful misconduct of the County. It is the intent of this provision to require the Provider to indemnify the County to the fullest extent permitted under North Carolina law.

reasonable

to the extent

FROM PAGE 6:

g. Ownership of ~~Work Product~~. Should Provider's performance of this Agreement generate documents, items or things that are specific to this Project such documents, items or things shall become the property of the County and may be used on any other project without additional compensation to the Provider. The use of the documents, items or things by the County or by any person or entity for any purpose other than the Project as set forth in this Agreement shall be at the full risk of the County.

Instruments of Service

Tyson Place, Suite 5 • 2607 Kingston Pike • Knoxville, Tennessee 37919
(P) 865.694.9000 • (F) 865.584.1860

BNA Corporate Center, Building 100 • 402 BNA Drive, Suite 305
Nashville, Tennessee 37217 • (P) 615.620.9090

The logo for Cope Architecture features the word "COPE" in a large, red, stylized font. The letters are interconnected, with the 'O's and 'P's sharing strokes. A red diagonal line cuts through the bottom of the 'O's and 'P's.
architecture
www.copearchitecture.com