



Orange County  
**ENVIRONMENT &  
AGRICULTURE CENTER**

09.10.15



**MHAworks**  
PLANNING ARCHITECTURE INTERIORS

**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: MHAWorks, PA

BY: (printed name) Michael J. Hining, AIA, NCARB

SIGNATURE: 

MAILING ADDRESS: 501 Washington Street, Suite G

CITY/STATE/ZIP CODE: Durham, NC 27701

TELEPHONE NUMBER: 919.682.2870

FAX NUMBER: 919.682.5369

**ACKNOWLEDGEMENT OF ADDENDA**

Responder hereby acknowledges receipt of all Addenda through and including:

Addendum No.	Date	Acknowledgement
<u>#1</u>	<u>9/3/15</u>	<u></u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
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Orange County  
Financial Services Department  
**ADDENDUM #1**  
**September 3, 2015**

RFP 5212
Orange County Environment and Agriculture Center ("EAC") 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](mailto: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: MHAWorks, PA  
By: Michael J. Hining  
Date Received: September 3, 2015

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

**NON-COLLUSION AFFIDAVIT**

State of North Carolina  
County of Orange

Proposal Request No. 5212

Michael J. Hining, AIA, NCARB, being first duly sworn, deposes and says that:

1. He/She is the Owner/Principal of MHAWorks, PA, 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  
Owner/Principal of MHAWorks, PA  
 Title

Subscribed and Sworn to Before Me,

This 3 day of September, 2015

Notary Public Amanda P. King

My Commission Expires: December 1, 2017



STATE OF NORTH CAROLINA

AFFIDAVIT

ORANGE COUNTY

\*\*\*\*\*

I, Michael J. Hining, AIA, NCARB (the individual attesting below), being duly authorized by and on behalf of MHAworks, PA (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 X, 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 3 day of September, 2015.

Michael J. Hining  
Signature of Affiant

Print or Type Name: Michael J. Hining, AIA, NCARB

State of North Carolina Durham County

Signed and sworn to (or affirmed) before me, this the 3

day of September, 2015.

My Commission Expires:

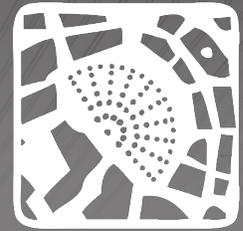
12/1/2017

Amanda P. King  
Notary Public

(Affix Official/Notarial Seal)



501 Washington Street, Suite G  
Durham, NC 27701  
P 919.682.2870  
F 919.682.5369  
www.mhaworks.com



# MHAworks

MHAworks is a progressive architecture firm serving clients in the Carolinas and Virginia from offices in Durham, Greenville, and Pittsboro, North Carolina. Founded in 1988 by Michael J. Hining, AIA, the firm now has a staff of thirty-six professionals providing **architecture, interior design, and planning**.

We deliver classic design, synthesized with the next generation of creativity and leadership. Providing incomparable service to our clients is the hallmark of all project delivery. We bring knowledge, experience, and leadership to complement our client's vision, goals, and programs.

Having more than eighty percent of our clients offer repeat business opportunities, we see our commitment to excellence and collaboration as the pathway to successful projects. The strength of our team at MHAworks is supported by years of experience within the field of architecture. In addition, thirty percent of our staff is LEED certified.

Approaching each project with a commitment to adherence to the specifics of our client's site, program, functional, financial, and aesthetic criteria, MHAworks' experience, combined with a collaborative design approach with our clients, provides a strong foundation for our services.

## PRINCIPALS

Michael J. Hining, AIA, NCARB  
Registered: NC & VA

Albrecht N. McLawhorn, AIA, NCARB  
Registered: NC

Barry Hill, AIA  
Registered: NC

Brian Maxwell, NCARB  
Registered: NC



## COVER LETTER

MHAworks  
501 Washington Street, Suite G  
Durham, NC 27701  
Phone: 919.682.2870  
Fax: 919.682.5369  
www.MHAworks.com

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

### RE: Orange County Environmental and Agriculture Center (EAC)

Dear Mr. Cannell,

It is with great optimism and excitement that **MHAworks** is submitting a proposal for the **Orange County Environmental and Agriculture Center**. With extensive experience in projects of your scope, as well as being only 15 miles away from the project site, MHAworks is well suited to meet the demands your project may present.

MHAworks has successfully delivered projects where **multiple departments** were contained within a single facility. Much like your Environmental and Agriculture Center, **Person County Human and Health Services**, as well as the **Durham County Storage Facility**, were inefficient and programmatically disorganized. MHAworks provided discipline to each user's program by reviewing, collating, and prioritizing each department's shared and unique needs and addressing them in a way that was cohesive.

MHAworks has delivered a number of municipal designs including the **Durham County Agriculture Center** and two projects for Orange County, **Orange County Public Works** and **Orange County Landfill**. Further adding to our experience, MHAworks completed **SEEDS Community Kitchen and Garden**, located in Durham, NC, last year. The existing structure had decades of wear and tear, and through our study, the client decided it would be best to salvage reusable materials, rebuild, and expand. The structure includes **offices, teaching kitchen, large multipurpose meeting room** as well as **outdoor agriculture demonstration/teaching areas**.

Our team is well equipped to address any problem that your project may present. Through careful selection, MHAworks has decided to team with **Engineered Design, Inc (WBE)** for plumbing, mechanical, and electrical engineering. In addition, we will look to **Hauser & Crech** for structural engineering, **Coulter Jewell Thames** for civil & landscape engineering, and **Mulford Cost Management** for Cost Estimation. Together, with our design team partners, we are poised to showcase our commitment to: service, value, and Orange County's goals. Please feel free to contact me, should you have any questions regarding any aspects of your project.

Sincerely,  
MHAworks

Michael Hining, AIA, NCARB  
Owner / Principal In Charge

**SECTION 4**

**EXPERIENCE**

## MHAWorks understands our project scope of service to include the following:

1. Work directly with the Owner design committee.
2. Manage and coordinate a design team responsible for the programming, design, documentation, satisfaction of regulatory approvals (permitting), and construction administration for the Environment and Agriculture Center.
3. Assist the Owner design committee in the process of bidding and negotiation.
4. Prepare and update budget cost estimates in coordination with the Owner design committee. Provide a timeline for implementation and project completion.
5. Provide digital presentation materials as well as assist in the creation of print and multimedia items for marketing and public awareness.
6. Administrate the delivery of project as-built drawings and documentation.

Should the Owner decide to develop this project utilizing a Construction Manager at Risk delivery method we do not anticipate that the scope of our efforts will be dramatically different than if the project was completed using another method. We welcome the early engagement of a General Contractor in the early stages of project development continuing through project approvals.



Our goal to achieving a successful project for the stakeholders of the EAC is through the execution of our scope of services through an understanding of the project scope, budget and schedule. MHAWorks' will implement our efforts through the following tangible objectives:

### 1. Interview various departments for programming.

The first step involved in the Person County Human Services project, a facility that houses office and clinical space for numerous county departments, involved MHAWorks working directly with the Owner design committee to meet with the

multiple user groups. Through these meetings the team was able to understand and document each stakeholder group's programming needs and identify items of want versus items of need.

### 2. Review the existing facility.

For the SEEDS project in Durham, NC, the project program was previously defined through earlier efforts. MHAWorks service began with an examination of the existing facility; a 100 year old building that had served multiple functions before becoming a home for this organization's office, educational programs, meeting facility, and teaching kitchen. Through MHAWorks guidance, the design team determined that retaining and renovating portions of the existing building would not only benefit the Owner's future use but would mitigate zoning regulations ultimately allowing for the building to remain at it's existing location minimizing the impact of new construction on SEEDS' 7 acre urban garden and demonstration/ teaching areas.



### 3. Develop programming per department.

The Durham County Agriculture Building, which is similar in program to the EAC as it houses multiple County Agriculture departments under one roof, MHAworks reviewed and collated the information gained throughout the programming information meetings and developed detailed programming inventories for each department. By developing programs for each department, the individual stakeholders were able to work through space needs with the Owner design committee and the design team in an open examination of current and future programs.

### 4. Examine the programming exercises for shared functions.

Through the work detailing and developing programming for the Person County Human Services project, MHAworks and the Owner design committee were able to identify functions and operations that might be shared by multiple user groups within the project. Through this examination we also acknowledged that certain stakeholder's programmatic needs required specific spatial parameters.



### 5. Develop a cohesive project program and reach a consensus of project scope.

To complete the programming and building analysis effort for the SEEDS project, MHAworks shepherded the Owner design committee through the development of a cohesive project program. Items that lay outside the project budget were identified as non-critical and a consensus of project scope was established to serve as a road map for further development of the project. Within this project, a General Contractor was involved and MHAworks worked closely with the General Contractor and Owner design committee to shape the project scope within the established project budget.

### 6. Schematic design

### 7. Design development

### 8. Construction documentation

### 9. Bidding and negotiation

### 10. Construction.

### 11. Occupancy

Beyond the variables associated with the programming phase, MHAworks believe that the EAC project will follow a traditional project design delivery method comprised of Schematic Design through occupancy of the building. In each of the objectives for mentioned, MHAworks performed services in conjunction with Federal, State, or local agencies as required to facilitate regulatory approvals within the project schedule.

## CONSTRUCTION MANAGEMENT AT RISK

Our proven ability to lead and work in a team is showcased though our being awarded the "Best Development Team" Champion Award for our work on the University of North Carolina at Chapel Hill's Baity Hill project. As the project managers, we coordinated with the design lead, the consultants, the University and the Town of Chapel Hill, as well as the Construction Management at Risk contractors.



SECTION  
5

PROJECT TEAM



**ORANGE COUNTY**  
NORTH CAROLINA



**Bill Gardner, AIA, NCARB**  
Project Architect



**Richard Barlow,**  
LEED AP BD+C  
Design Support



**Jared Martinson**  
Project Manager  
Primary Point of Contact  
jmartinson@mhaworks.com  
919.682.2870



**ENGINEEREL  
DESIGNS INC**

Plumbing, Mechanical,  
& Electrical



**HAUSER  
CREECH**

Structural



**Coulter | Jewell | Thames.**  
Planning for the Future.

Civil & Landscape  
Architecture

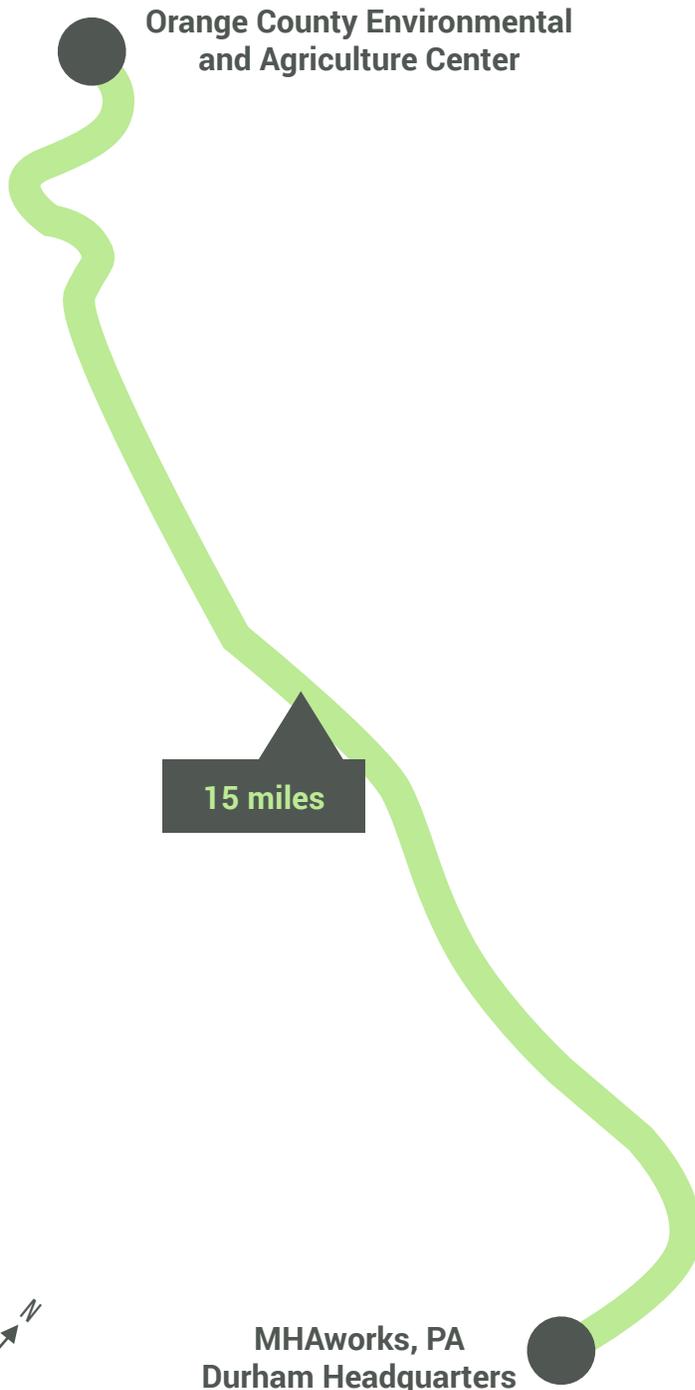
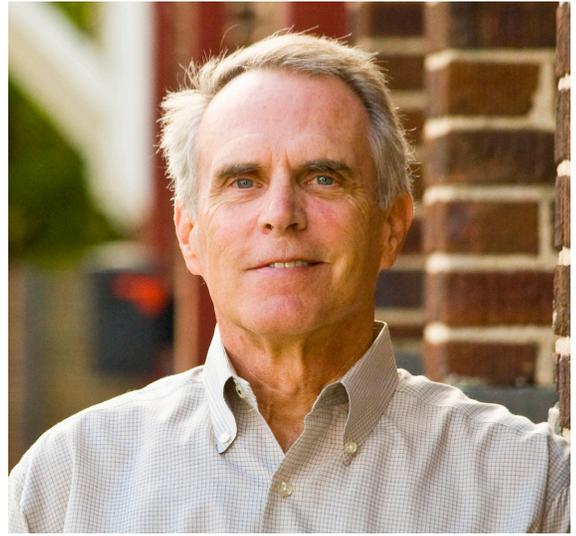


**MULFORD**  
COST MANAGEMENT

Cost Estimator

## ARCHITECTURAL DESIGN TEAM

MHAworks is committed to maintaining the current proposed team of Bill Gardner, Jared Martinson, and Richard Barlow.



## **BILL GARDNER, AIA, NCARB** - PROJECT ARCHITECT

As a veteran architect, Bill has extensive knowledge of all phases of the design and construction process. He has a keen understanding of the technical aspects related to projects and continues to keep abreast of the latest changes to the North Carolina Building Codes. His work has included the design of a wide variety of building types such as municipal, commercial, historic renovation, educational, healthcare, and institutional facilities. His client base includes the NC Department of Transportation, State and County agencies, Department of Defense, Various Universities and School districts, Hospitals, and private sector clients.

### EDUCATION

Yale University School of Architecture,  
Master of Architecture

Williams College, Williamstown, MA  
Bachelor of Arts

### RELEVANT PROJECTS

SEEDS Community Kitchen & Garden - Durham, NC  
NCDOT Equipment Shop - Sanford County  
Boilermakers Headquarters - Chapel Hill, NC  
UNCH Lineberger Cancer Center - Chapel Hill, NC

## **JARED MARTINSON** - PROJECT MANAGER

Jared Martinson has been practicing architecture for over 10 years and is responsible for the development and management of projects throughout all phases of design and construction. He appreciates the opportunity to positively contribute to the built environment of his community through the practice of his profession. His experience includes restaurants, community centers, office, multi-family, several mixed-use projects, and worship facilities.

### EDUCATION

Virginia Polytechnic Institute and State University,  
Masters of Architecture

Clemson University, Bachelor of Science

### RELEVANT PROJECTS

SEEDS Community Kitchen & Garden - Durham, NC  
Adwerks Office - Durham, NC  
Horton Works Office - Durham, NC  
Pittsboro United Methodist Church - Pittsboro, NC

## **RICHARD BARLOW, LEED AD BD+C** - DESIGN SUPPORT

As our talented and experienced Director of Sustainability, Richard works with each and every architect to ensure that all projects that come out of our office seek to align to our firm's commitment to the 2030 Challenge of designing buildings that use 60% less fossil fuels to construct and operate by 2030. As our LEED Accredited Specialist, Richard is actively involved in all phases of project development, design, production, construction administration, and is able to efficiently navigate a project through the LEED certification process while keeping the project on time and under budget.

### EDUCATION

East Carolina University,  
School of Industrial Technology  
Bachelor of Science in Industrial Design

### RELEVANT PROJECTS

SEEDS Community Kitchen & Garden - Durham, NC  
Eastern Community 4-H Center  
Durham County Storage Facility  
Durham County Criminal Justice Resource Center

## CONSTRUCTION ADMINISTRATION

During construction, clear communication from the project team (Owner, Contractor and Architect), allows the project to proceed as scheduled. Should something arise, we will make sure that a timely response is given to the General Contractor, as to not delay construction.

During Construction Administration, monthly Progress Meetings will be held. The progress meetings allow the General Contractor to update the Owner and the Architect on the progress of construction. Our Design Team will be at all meetings. This allows the General Contractor and his/her sub-contractors to ask questions directly to the design team members. If required, the number of meetings can be increased, depending on the work that is going on in the field. All requests for information from the contractor will be presented, an update on the construction schedule is expected, and any items that may cause a delay or a change in the scope of the work/documents, is covered during those meeting. The design team will provide meeting notes to all team members, so that everyone can be informed of what has taken place, what will take place, and if there are any action items that need to be completed prior to the next meeting. All shop drawings and other items that the design team is expected to review will also be discussed during the meeting. These meetings also allow the Owner, to express any concerns about anything that they see occurring during the construction phase of the work.

During construction MHAworks will visit the site weekly. MHAworks is 15 Miles from the Orange County Environmental and Agricultural Center. This allows us to get to the site very quickly, should we be needed by the contractor to aid in solving a problem. In addition, because we are so close to the site, we can visit the site multiple times a week, or day, if required, to ensure that the construction process is going as planned. This gives the Owner confidence that design team members are actively involved, and know what is taking place during the different stages of construction.

Once the Contractor notifies the Architect that he/she is ready for a final walkthrough/punch-list, we will verify first that we have received the Contractor's own punch-list, before setting a date with Owner to attend a final walkthrough with the Architect. The building will not be turned over to the Owner until all regulatory requirements have been fulfilled, and the punch-list items completed. The Owner and Architect must be satisfied with the final condition of the building prior to the Owner inhabiting the spaces

## UTILIZING LOCAL CONSTRUCTION COMPANIES

With MHAworks being a Small Local Business located in Durham, NC, we have a strong connection with surrounding consultants. This has led us to team with Engineered Designs, Inc (Cary, NC), Hauser Creech (Zebulon, NC), Coulter Jewell Thames (Durham, NC), and Mulford Cost Management (Wilmington, NC). MHAworks is pleased to offer this local team and find them most qualified for the Orange County Environmental and Agriculture Center. Our consultants share our familiarity with Orange County which will be an asset when planning the best course of action for your existing building.

## CURRENT WORKLOAD

North Carolina Department of Transportation Greenville Division 2 Equipment Shop  
 North Carolina Department of Transportation Sanford County Equipment Shop  
 Pittsboro United Methodist Church  
 Lewis Farm Park Building  
 Ayden Parks and Recreation ADA & Elevator Upgrades

A grayscale photograph of an architectural studio. In the foreground, a man is seated at a large drafting table, focused on drawing. The table is cluttered with drafting tools, including a large T-square, a compass, and various pens. In the background, other people are working at desks with computers. The studio has a high ceiling with exposed ductwork and a framed certificate on the wall. A large, bright green graphic is overlaid on the center of the image, consisting of a circle containing the word 'SECTION' written vertically and a large number '9' to its right.

SECTION 9

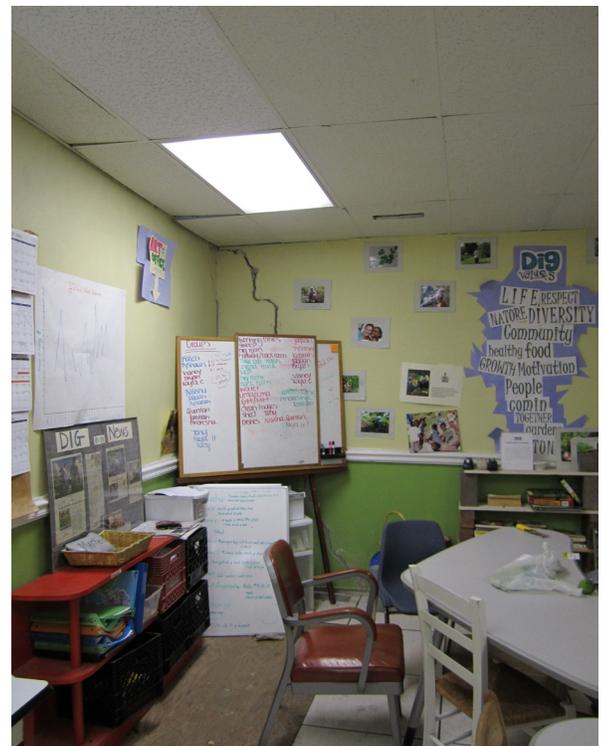
RELEVANT EXPERIENCE



SEEDS DURHAM, NC  
EMILY EGGE, EXECUTIVE DIRECTOR, 919-683-1197

In its history, SEEDS' existing facility (see images below) has **served multiple functions** including a grocery store, funeral parlor, mortuary, and a church before it became home to their organization's administrative and educational programs. Years of neglect contributed to significant building issues, including a failing roof and a rear wall that was separating from the building, as well as obsolete plumbing and mechanical systems. MHAworks was hired to examine the building and assess whether the structure was **salvageable or better demolished for new construction**. Through our study we found that it would be more beneficial to renovate the structure. Maintaining a portion of existing exterior walls and concrete slab intact mitigated multiple zoning challenges and allowed for maintaining the building in its existing location, created continuity of scale and materials, minimized disturbance to the garden and reduced construction waste. **Salvaged building materials were used** throughout the renovation most notably in an architectural entrance feature that evokes a tree canopy.

## BEFORE





Through feedback solicited from many stakeholders, two major elements arose: to increase the connection of the building with the **garden**, and to add a functional, **open teaching kitchen** for use by the community, for classes, caterers, and staff members. SEEDS became aware of the disconnect between growing and cooking fresh produce. To bridge the gap, MHAworks was asked to design a kitchen that accommodates a learning environment. In addition, MHAworks designed **office space** and a **large multipurpose room** to meet the needs of SEEDS.

With combined efforts from the project team, we were able to translate the programmatic needs and community desires into an inviting space that interacts with the garden, demonstrates SEEDS' value of using environmental resources with care, and supports future growth.

.....  
"As a nonprofit with an environmental as well as social mission, it was important that our building reflect both of those components. MHAworks really listened to our needs and values, and held the many phases of design to those standards. Their mission was to give us the building we needed and wanted, not to give us their vision of what should be in our garden. It's a subtle difference in approach that made all the difference in the end result, and in the process we took to get here.

As a community gardening organization, it was crucial that our new building served the garden needs - and that the garden remained the jewel of our space. We got a building that feels truly integrated with the garden, that enhances what we can do with what we grow, and that is a pleasure to come work in every day and share with our community."

-Emily Egge, SEEDS Executive Director

### **Project Completion**

2014

### **MHAworks Project Manager**

Jared Martinson

### **Original Contract Amount**

\$946,336

### **Change Orders**

Number: 1

Total Amount: \$17,048

### **Completed Construction Cost**

\$1,036,767





MHAworks renovated an existing 70,000 sf abandoned Wal-Mart into office and clinic space for several Person County Social Services Departments. This building was modified to meet the county's needs in an aesthetically pleasing, economical and timely manner. Since this facility **houses several Person County departments**, we interviewed each department to ensure each user group's needs were met in the design. Much like issues that could arise in your Department of Health and Human Services project, we addressed issues during the renovation such as security, daylighting, privacy, acoustics, clear access routes and adequacy of building utility systems.



**Project Completion**  
 2005

**MHAworks Project Manager**  
 Brian Maxwell, RA, NCARB

**Original Contract Amount**  
 Classified

**Change Orders**  
 Number: Classified  
 Total Amount: Classified

**Completed Construction Cost**  
 Classified



## DURHAM COUNTY AGRICULTURAL BUILDING DURHAM, NC

ADEMOLA SHOBADE, DURHAM COUNTY, 919.560.7791

MHAWorks' renovation of Durham County's **Agricultural Building** concentrated in a central corridor of a 16,732 sqft 1950's curb market building. The corridor was designed to have an open high ceiling exposed to the structure above with some monumental space and some delineation throughout. For security and traffic purposes, there is also a visual and physical connection from the front desk to the back entry doors. The renovation created new **office space for the agriculture department** and addressed ADA compliance to bring the building up to code. This includes an elevator, new plumbing, and new power to the building. In addition, the renovation included HVAC for the entire building with re-glazing all of the windows.



### Project Completion

2004

### MHAWorks Project Manager

Jonathan Powell

### Original Contract Amount

\$350,000

### Change Orders

Number: 2

Total Amount: \$21,013



### Completed Construction Cost

\$325,000



## EASTERN 4-H COMMUNITY CENTER COLUMBIA, NC

LEE SCRIPTURE, EASTERN 4H CENTER DIRECTOR, 252-797-4800

This 19,700 sqft facility was opened in 2010 as NCSU's first freestanding LEED Gold Certified building. Located on a 250-acre site in Tyrrell County, the new **multipurpose facility** includes a large commercial kitchen, flexible multipurpose rooms suitable for large group gatherings and weddings, ample storage, 200-seat dining hall, gymnasium with a bamboo floor, office space, and three break out rooms.

### Project Completion

2010

### MHAworks Project Manager

Richard Barlow, LEED AP BD+C

### Original Contract Amount

\$3,264,052

### Change Orders

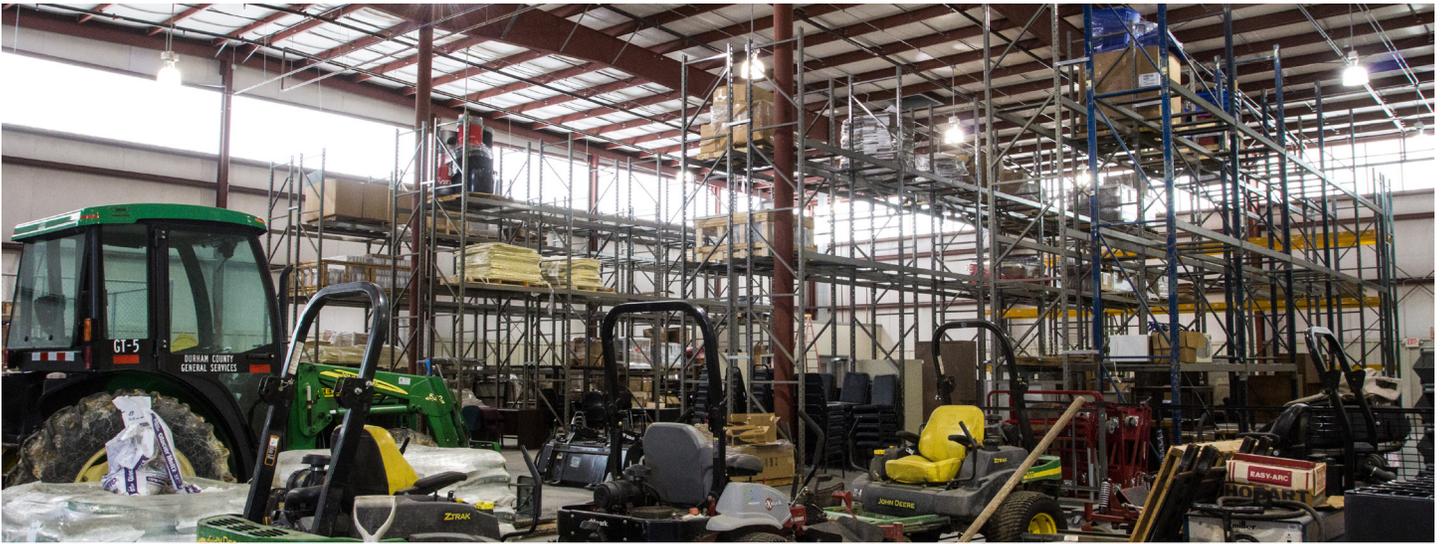
Number: 2

Total Amount: \$189,346

### Completed Construction Cost

\$3,453,398





## DURHAM COUNTY STORAGE FACILITY DURHAM, NC

PERI MANNS, DURHAM COUNTY, PMANNS@DCONC.GOV, 919-560-7996

The facility was designed to be a centralized storage facility for all Durham County departments. It is occupied and managed by Durham County General Services department, including the Solid Waste and Grounds Department and the Assistant General Services Director. We addressed all of the needs and wants through **conducting a study and feasibility assessment** for the Durham County Storage Facility to **determine the storage needs of all county departments**. Following our research and findings, Durham County purchased one of the three buildings we helped in identifying, which we then designed for their storage facility use.

The interior of the facility includes a County sign shop, indoor shop space and equipment / vehicle storage Grounds Department, indoor shop space for Solid Waste department, open and high-piled storage area for General services and indoor, conditioned caged storage for 20 County departments. This area serves as a flex /staging storage area for major county purchase/installations (new building furniture, new computers for an entire department, etc.) The facility also features 4,000 sf of **office space**, including a large break room/training room with **kitchen** and flex computer stations, dedicated IT, and a **conference room**.

The exterior shell includes paved vehicle storage, material staging area for County projects, three loading docks with dock levelers, a drive-in overhead door at finished floor for drive-in vehicles and equipment, perimeter security fencing and camera system, and card reader access for employees and visitors.

### Project Completion

2014

### MHAWorks Project Manager

Richard Barlow, LEED AP BD+C

### Original Contract Amount

\$260,528

### Change Orders

Number: 3

Total Amount: \$1,547

### Completed Construction Cost

\$299,224





**SECTION 10**

**CONSULTANTS**



# ENGINEERED DESIGNS INC.

Engineered Designs, Inc. is a team of professionals providing building systems design, code consulting, energy analysis, and commissioning. Our professionals seek to design buildings that not only work, but also consume the

lowest amount of energy and have minimal environmental impact. Through energy management and systems commissioning, we can assist owners in evaluating, optimizing, and maintaining building performance.

Engineered Designs, Inc. is certified as a **National Women’s Business Enterprise (NWBE)** and holds a Statewide Utilization Certification (SWUC) issued by the State of NC HUB Office.

MHAworks has worked with Engineered Designs, Inc for over 8 years. Our relationship with Engineered Designs, Inc extends into a number of projects, including municipal projects such as the Person County Human Services Center, Durham District Police Station, and Durham County Criminal Justice Resource Center Multipurpose Room. Currently we are working on the North Carolina Department of Transportation Sanford Equipment Shop with Engineered Design, Inc.

## KEY PERSONNEL



### M. GINGER SCOGGINS, PE, CEM, LEED AP, CXA - PRINCIPAL / MECHANICAL ENGINEER

As Principal of EDi, Ginger brings 28 years experience in design and project organization. She enjoys tackling complex technical projects with solutions that optimize building performance, are sustainable, and are compatible with clients’ financial, operational, and maintenance goals.



### D. GLENN KEY, PE, LEED AP - SENIOR ASSOCIATE / MECHANICAL ENGINEER

Mr. Key is a Mechanical Engineer with 23 years of experience in HVAC system design and Project Management. He has been responsible for management, design, and coordination of municipal, county, and state facility projects—both renovation and new construction.



### LARRY BROWN, PE - MECHANICAL ENGINEER

Mr. Brown is a Mechanical Engineer with 19 years of experience in the design of mechanical systems for the construction industry. His past design experience includes a wide variety of HVAC and Plumbing systems including DX systems, chilled water and heating hot water, energy recovery, various piping system design, air distribution system design, domestic water, waste and vent, hot water.



### BRAD WYNNE, PE - ELECTRICAL ENGINEER

Mr. Wynne is an Electrical Engineer with 7 years of experience in the design of electrical systems for the construction industry. He is experienced in all phases of electrical design for various facilities, including standby generator sizing, interior lighting design, power distribution systems, and control instrumentation systems.

## RELEVANT EXPERIENCE

Health and Human Services, Person County  
Arts & Sciences Foundation Office Building,  
UNC-Chapel Hill  
Police Central District Renovation, Durham, NC  
Stanford Warren Library Renovation & Addition  
Durham, NC

Bath Building Renovation, NC DOA  
Town Hall HVAC Renovations, Town of Chapel Hill  
Public Safety and Municipal Services Building,  
Town of Morrisville  
Arts Council Renovation & HVAC Replacement,  
City of Durham



Hauser-Creech, Inc. is a multi-state licensed structural engineering consulting firm dedicated to providing quality structural design, inspection and investigation services for our clients. We foster long term professional and personal relationships with architects, contractors, developers, and

design build teams by always striving to meet our clients' needs and the demands of the project. We focus on construction cost efficiency, deadline management, constructibility, and serviceability. Whether providing a detailed structural design for a large scale project or a simple framing layout, Hauser-Creech, Inc. is dedicated to providing our clients with quality structural engineering services from design development through construction.

MHAworks has a long standing relationship with Gabriel and Adrian. We began working with this team before the inception of Hauser Creech when they were employed at FDH. Hauser Creech successfully delivered SEEDS and multiple renovations at UNC Hospitals alongside MHAworks. We trust that their capabilities and qualifications will accurately meet the goals of Orange County's Environmental and Agricultural Center.

MHAworks is currently working on a number of UNC Hospital renovations with Hauser Creech.

## KEY PERSONNEL



### MICHAEL GABRIEL HAUSER, PE - PRESIDENT / STRUCTURAL ENGINEER

Mr. Hauser has over 14 years of experience in design, analysis, and construction of commercial, mixed-use, industrial, and residential structures. He is a licensed engineer with extensive experience dealing with a wide variety of structural engineering projects including detailed design in the high seismic zones of Southern California and the high wind zones on the Eastern seaboard. Gabriel is responsible for maintaining the high level of technical competency of our structural design services and manages the overall engineering direction for Hauser-Creech, Inc.



### ADRIAN CREECH, PE - VICE PRESIDENT / STRUCTURAL ENGINEER

Mr. Creech is a licensed professional engineer experienced in the design, analysis, and construction of commercial, telecommunications, and residential structures. He has a broad background of engineering service experience, including the development of transportation cable routing plans, building envelope inspections/design, and antenna supporting structural analysis and modification design. Adrian is responsible for the design and management of structural projects and the overall direction of inspection and investigation services for Hauser-Creech, Inc.

## RELEVANT EXPERIENCE

SEEDS, Durham, NC  
 Old Dominion Agricultural Complex,  
 Transylvania County, VA  
 Transylvania Farmers Market,  
 Transylvania County, VA  
 PRTI, Raleigh, NC

St. Judes Facility, Liberty, SC  
 Historic Pace Building, Danville, VA  
 Waltonwood Retirement Complex, Raleigh, NC  
 UNC Hospitals, Chapel Hill, NC  
 Durham Jewish Community Center, Durham, NC



Coulter Jewell Thames P.A. is a professional Engineering, Surveying and Landscape Architecture Firm dedicated to turning our clients' needs into reality. Formed July 1, 1995 by the consolidation of three smaller professional firms, the principal owners of Coulter Jewell Thames are licensed engineers, surveyors and landscape architects who offer over 75 years of combined experience in the profession on projects across North Carolina, particularly in the Triangle Area and surrounding counties.

MHAWorks has worked with Coulter Jewell Thames successfully for over 7 years. Their ample knowledge in projects relating in scope to the Orange County EAC, as well as having previously worked on SEEDS, makes them a beneficial team member for your project. We are currently working on the Ronald McDonald House Expansion with Coulter Jewell Thames.

## KEY PERSONNEL



### DANIEL A. JEWELL, RLA, ASLA - PRINCIPAL / PROJECT MANAGER

Mr. Jewell has served as Project Manager on a wide variety of projects including commercial and office design, residential land planning and site development feasibility studies, recreational trails and park design with vast experience in public involvement, landscape design, site analysis, cost estimating, and educational / recreational facilities. Responsibilities have included liaison with local governments, public presentations, land planning, site and landscape design and documentation, irrigation system design, site analysis and cost estimating.



### PRESTON B. ROYSTER, PE - CIVIL ENGINEER

Mr. Royster is a Project Engineer specializing in project management and design for projects of varying sizes and scopes. His client range from private developers to government agencies, and his service background includes a full range of engineering and planning services including site layout, sanitary sewer design, pavement design, stormwater engineering, roadway design, hydraulic modeling and design of water lines, structural design, and construction observation on a variety of projects.



### WENDI L. RAMSDEN, RLA - LANDSCAPE ARCHITECT

Ms. Ramsden is a Professional Landscape Architect presently serving as Project Manager with experience in a variety of projects including, but not limited to, site layout, k-12 school design, daycare design, park and playground design, greenway trail design, church and public facility site design, site analysis, site permitting through the local public processes, master planning, client liaison, construction drawings and construction observation.

## RELEVANT EXPERIENCE

SEEDS, Durham, NC  
Farmers Market, Durham, NC  
Eastern Carolina Organics  
Durham Central Park  
Sandy Creek Environmental Center

Person County Public Health Building  
Mayo Park Education Center  
Person County Parks Maser Plan  
Person County Recreation and Senior Center

# MULFORD COST MANAGEMENT

Mulford Cost Management is a company that provides professional cost estimating services to the construction community in North Carolina. We have been involved in cost estimating for the past 30 years and have accumulated an impressive list of projects that cover a wide variety of

construction type and size. Project types include educational, multi family residential, health care facilities, laboratories, colleges, schools, offices, judicial buildings, retail projects, agricultural centers, museums, cultural projects, religious projects, and also renovation projects of historic significance. The value of these projects range from below \$1m to over \$100m.

We are pleased to report that our results are excellent. Even when estimating from very little information we are able to be very accurate in predicting costs. This is due to our experience in reviewing many different projects coupled with our broad knowledge of construction design and varying market conditions. We are also able to draw upon our experiences gained in construction management and as a client's site representative. These experiences complement our estimating knowledge to give a well-rounded understanding of the construction industry.

Our knowledge of construction costs is often utilized by our clients at the very beginning of a project when only conceptual design information is available. Being able to provide accurate cost advice at such an early stage of design can provide early detection of cost overruns. Throughout the design phase we are also able to provide value engineering suggestions with cost analysis to help the design team make decisions on how best to fulfill the owner's program requirements within the available funds.

MHAworks has not had the pleasure of working with Mulford Cost Management, however, they are highly recommended by various staff members who have joined the MHAworks team. Through their praise, we are confident that Mulford Cost Management will be an asset to this team.

## KEY PERSONNEL



### STEWART L. MULFORD, CPE - COST ESTIMATOR

Stewart Mulford has over 30 years' experience in construction cost estimating. During the last five years he has estimated over 275 separate projects. These projects cover a variety of building categories including many State Construction projects, multi-function/multi-purpose and agricultural type facilities. His role on the Orange County Environment and Agriculture Center would be as senior cost estimator and would perform estimating duties, oversee the work of others and will ultimately be responsible for all estimating reports.

## RELEVANT EXPERIENCE

Southeastern North Carolina Agriculture Events Center, Lumberton, NC  
Duplin County Arena and Event Center, Duplin County, NC  
Moore County Government Center, Moore County, NC

Morrisville Public Safety Facility, Morrisville, NC  
Wake County Sheriff's Office, Wake County, NC  
Public Works Operations Complex, Union County NC  
City of Raleigh Northeast Operations Facility, NC

## SECTION 11

# DBE UTILIZATION

Our standard firm practice has always been to seek out the best team members for our clients. Doing so led us to use Engineered Designs, Inc (EDi) for Plumbing, Mechanical, Electrical, and Fire Protection. MHAworks' success rate with EDi exceeds expectations and we will continue to utilize them in future projects regardless of any DBE requirements. Our firm prides itself on espousing all types of diversity including; religious, ethnic, and racial. In addition, MHAworks is on the regional Workforce Development Board and works closely with NCWorks to assist job seekers and employers. Our efforts are applied in creating infrastructures that provide opportunities through funded education and training, paid internships, and permanent job placements to minorities and our veterans.

## SECTION 12

# QUALITY CONTROL AND ASSURANCE

MHAworks takes an integrated approach to Quality Control Quality Assurance. We understand that each project has its own unique design requirements and have found the traditional approach of design then review to be out of sequence with what the project team requires for a successful project. Our approach places a set person or persons to assist the team throughout the project, asking questions and providing input as required to make decisions earlier and with less impact to the overall design schedule. The ultimate goal of this approach is to provide a stronger design that limits the amount of project scope creep, construction change orders due to missed design opportunities, and ultimately gets the project complete on time and on budget.

## SECTION 13

# HISTORY OF LITIGATION

We understand and are committed to the premise that issues "do not go away" rather, small issues, if not addressed, "become bigger and more complex issues." We insist upon a partnering approach, in which any and all issues are immediately brought to the attention of all involved parties, with a goal of appropriate and fair resolution. The importance of this policy is to establish, jointly, the specifics of the issue or conflict, as well as how and when it occurred. Responsibility is established, and corrective action is undertaken.

We maintain \$2,000,000 of Professional Liability Errors and Omissions Insurance. The company is proud to state that the few claims since the firm's inception in 1988 were settled without litigation.

**HOURLY RATES****MHAworks - Architecture**

Bill Gardner / Project Architect - \$120/hr  
Jared Martinson / Project Manager - \$95/hr  
Richard Barlow / Sustainability & Design Support - \$95/hr

**Engineered Designs, Inc - Plumbing, Mechanical, Electrical, and Fire Protection (WBE)**

M. Ginger Scoggins / Principal Mechanical Engineer - \$175/hr  
D. Glenn Key / Senior Associate Mechanical Engineer - \$160/hr  
Larry Brown / Mechanical Engineer \$145/hr  
Brad Wynne / Electrical Engineer \$145/hr

**Hauser Creech - Structural Engineer**

Michael Gabriel Hauser / Principal Structural Engineer - \$150/hr  
Adrian Creech / Structural Engineer - \$125/hr

**Coulter Jewell Thames - Civil and Landscape**

Daniel A. Jewell / Principal Project Manager - \$160/hr  
Preston B. Royster / Civil Engineer - \$150/hr  
Wendi L. Ramsden / Landscape Architect - \$150/hr

**Mulford Cost Management**

Stewart Mulford / Cost Estimator - \$115/hr

**STANDARD CONTRACT AGREEMENT**

MHAworks is willing to sign the Standard Contract Agreement with Orange County if awarded the Environmental and Agriculture Center.





**MHA***works*  
PLANNING   ARCHITECTURE   INTERIORS

501 Washington Street, Suite G  
Durham, NC 27701  
Phone: 919.682.2870  
Fax: 919.682.5369  
[www.MHAworks.com](http://www.MHAworks.com)