

Firm Submitting Proposal: Paradigm Engineers and Constructors

Complete Address: 200 Envoy Circle, Suite 201, Louisville, KY 40299  
Street City Zip

Contact Name: Frank A. Enley II Title: Principal in Charge

Telephone Number: 502-339-8511 Fax Number: \_\_\_\_\_

Email address: frank@paradigmusa.com



Purchasing Director  
Lexington-Fayette Urban County Government  
Room 238, Government Center  
200 East Main Street  
Lexington, KY 40507

June 24, 2015

SUBJECT: Water Quality Electrical Shop, Lexington-Fayette Urban County Government

Paradigm Engineers and Constructors is pleased to present our proposal regarding the Water Quality Electrical Shop for Lexington-Fayette Urban County Government.

Paradigm Engineers and Constructors (Paradigm) is an architecture, engineering and construction firm (Service Disabled Veteran Owned Small Business). Our staff has served in all facets of design engineering in the residential, commercial, and industrial arenas. Having experience in all components of a construction project, Paradigm understands the global scope of projects and is able to predict the reactions of certain design decisions.

With a design staff totaling 22, we are based in Kentucky, with offices in five other states. Paradigm's list of clients includes the University of Kentucky, U.S. Army Corps of Engineers, National Park Service, University of Louisville, Department of Defense (Anti-Terrorism Certification, Level III), Fort Knox Department of Public Works, and Veterans Affairs. Paradigm has been in business for 15 years and has doubled revenues each year for the past four years, with projects completed in over 42 states. Our projects range in value from \$250,000 to \$8.5 million in construction costs.

For this proposal, we have teamed with Magna Engineers, based in Lexington, Kentucky. Magna Engineers (Magna) is a woman-owned consulting engineering company providing electrical, mechanical, and instrumentation/controls engineering services. Magna is a certified Economically Disadvantaged Woman-Owned Small Business in accordance with Small Business Administration (SBA) requirements, and is a certified Women Business Enterprise (WBE) with the Women's Business Enterprise National Council (WBENC). Magna Engineers is listed as an approved WBE with the Louisville-Jefferson County Metropolitan Sewer District. Magna has DBE Certification with the Kentucky Department of Transportation.

Our team for this project includes John Potts, AIA, LEED AP, CID as Project Manager. John has almost 40 years of architectural and project management experience, including projects for the University of Kentucky, Veterans Affairs, and the Department of Defense.

Blaine Van Gansbeke, PE, PMP, LEED AP, Paradigm's Lead Structural/Civil Engineer and Engineer of Record, has 15 years of engineering experience, including projects for: the Veterans Administration Department; Fort Knox Department of Public Works; U.S. Army Corps of Engineers; and Fort Eustis and Fort Pickett in Virginia. David R. Walton, PE, CWI, will also serve as a Structural Engineer. David's projects for Paradigm include the Women's Clinic project at the Oklahoma City VA Medical Center and the Fire Safety project at the Salt Lake City VA Medical Center.

T. Michelle Howlett, P.E., LEED AP of Magna Engineers is our team Lead Electrical Engineer. Michelle has over 23 years of experience as project manager and electrical engineer for a broad array of projects up to \$131M in scope. Kentucky projects that she has provided electrical engineering services for include: New Justice Center, Cumberland County; Library Addition and Renovation, Metcalfe County Library, Edmonton; and Bluegrass Station, Avon.

James L. Martin, PE, of Magna is our team Mechanical Engineer. James has over 40 years of experience with design of plumbing, medical gases, HVAC and fire suppression systems for new construction, as well as renovations of existing facilities. His experience includes Bluegrass Station in Avon, Kentucky, and the Rowan County Art Museum in Morehead, Kentucky.

Below are our estimated fees for this project:

Architecture: \$8,510

Structural: \$8,990

Civil: \$6,260

Mechanical/Electrical: \$11,330

Total: \$35,090

Thank you,



Frank A. Finley, II

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

20. EXAMPLE PROJECT KEY NUMBER

1

TITLE AND LOCATION <i>(City and State)</i> <b>New 200,000 SF Warehouse and Office Facility – Building 415, Bluegrass Station, Avon, Kentucky</b>	YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2013

PROJECT OWNER'S INFORMATION

a. PROJECT OWNER <b>Bluegrass Station, Avon, Kentucky</b>	b. POINT OF CONTACT NAME Paul Cable	c. POINT OF CONTACT TELEPHONE NUMBER (859) 293-3203
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BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT

Magna Engineers provided mechanical, electrical, plumbing, and fire protection design services for this new 200,000 SF facility for the Department of Military Affairs. The project was constructed using the build-to-suit method, with Magna Engineers working directly for the Contractor.

The project included over 100,000 SF warehouse and supporting areas, 4,500 SF shop areas, and approximately 88,000 SF administrative areas and supporting spaces.

HVAC in office areas includes multiple packaged DX units with gas heating. The warehouse is heated using two make-up air units with gas heat mounted in the joist area. Shops and other areas are heated using gas unit heaters. Ventilation is provided in non-air conditioned spaces for summer cooling. Ductless split systems are used for IT rooms.

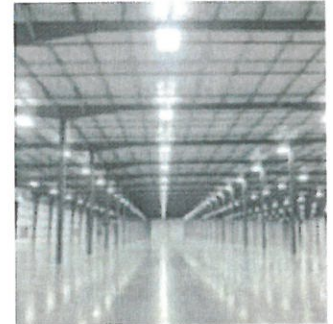
The building includes a 100% wet pipe fire suppression system with five risers fed from an 8" loop around the building. The system is designed with early suppression fast response (ESFR) heads in the warehouse areas, semi-recessed heads in office areas, and upright heads in other areas. The level of protection is Ordinary Hazard Group 1.

The electrical design includes a new 480/277V service, including primary connection and transformer, and standby power system with diesel generator. Lighting design includes high bay fluorescents throughout the warehouse and T8 fluorescent troffers throughout office areas, and occupancy controls throughout. The power system design includes provisions for special Owner-furnished equipment. The design includes pre-wired communications cabling network back to MDF and IDF which are connected via backbone fiber and copper cabling.

Final Cost: \$7,000,000

**RELEVANCE**

- **New 200,000 sf facility with 88,000 sf for administrative areas and supporting spaces**
- **Lighting design for offices areas includes T8 fluorescent troffers**
- **Pre-wired communications cabling network**



a.	(1) FIRM NAME Magna Engineers	(2) FIRM LOCATION <i>(City and State)</i> Lexington, KY	(3) ROLE Mechanical, electrical, plumbing, and fire protection design services
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EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

20. EXAMPLE PROJECT KEY NUMBER

2

TITLE AND LOCATION <i>(City and State)</i> <b>New 56,000 SF Warehouse and Office Facility – Building 197, Bluegrass Station, Avon, Kentucky</b>	YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2014

PROJECT OWNER'S INFORMATION

a. PROJECT OWNER <b>Bluegrass Station, Avon, Kentucky</b>	b. POINT OF CONTACT NAME Paul Cable	c. POINT OF CONTACT TELEPHONE NUMBER (859) 293-3203
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BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT

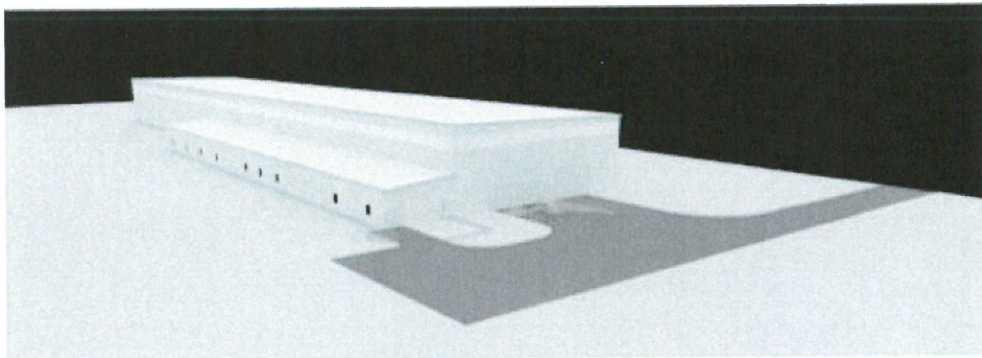
Magna Engineers provided mechanical, electrical, plumbing, and fire protection design services for this new 56,000 sf facility for the Department of Military Affairs. The project was constructed using the build-to-suit method, with Magna Engineers working directly for the Contractor, Brett Construction.

HVAC in office areas includes five split systems with indoor gas furnaces and outdoor condensing units. The warehouse is heated using two make-up air units with gas heat mounted in the joist area. Ventilation is provided in non-air conditioned spaces for summer cooling and for code required ventilation. Ductless split systems are used for IT rooms.

The building includes a 100% wet pipe fire suppression system with two risers fed from an existing 12" fire main. The system is designed with early suppression fast response (ESFR) heads in the warehouse areas, semi-recessed heads in office areas, and upright heads in other areas. The level of protection is Ordinary Hazard Group 1.

The electrical design includes a new 480/277V service, including primary connection and transformer. Lighting design includes high bay fluorescents with T5HO lamps throughout the warehouse and T5 fluorescent troffers throughout office areas, and occupancy controls throughout the entire building. The design includes raceways for communications cabling network back to MDF.

Final Cost: \$7,000,000



**RELEVANCE**

- **New 56,000 sf facility**
- **HVAC in office areas – 5 split systems with indoor gas furnaces and outdoor condensing units**
- **T5 fluorescent troffers throughout office areas**

a.	(1) FIRM NAME Magna Engineers	(2) FIRM LOCATION <i>(City and State)</i> Lexington, KY	(3) ROLE Mechanical, electrical, plumbing, and fire protection design services
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EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

20. EXAMPLE PROJECT KEY NUMBER

3

TITLE AND LOCATION (*City and State*)

**New Warehouse Buildings 341 & 344, Bluegrass Station, Avon, Kentucky**

YEAR COMPLETED

PROFESSIONAL SERVICES  
2014

CONSTRUCTION (*If applicable*)  
2014

PROJECT OWNER'S INFORMATION

a. PROJECT NAME

**New Warehouse Buildings 341 & 344**

b. POINT OF CONTACT NAME

Paul Cable

c. POINT OF CONTACT TELEPHONE NUMBER

(859) 293-3203

BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT

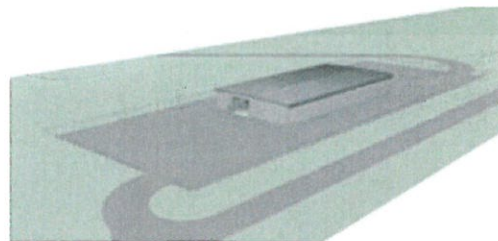
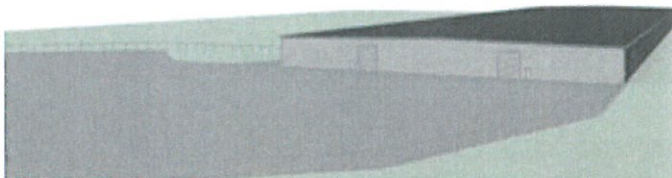
Magna Engineers provided mechanical, electrical, plumbing, and fire protection design services for two new warehouses for the Department of Military Affairs. The project was constructed using the build-to-suit method, with Magna Engineers working directly for the Contractor, Brett Construction.

One of the warehouses is 240,000 SF with 303,000 sf gravel and 100,000 sf concrete storage areas. The second is 20,000 SF with 51,000 gravel and 29,000 concrete storage areas. Each building includes a finished area with offices and restrooms.

Each building includes a 100% dry pipe fire suppression system. The large building includes a fire protection loop and multiple risers. HVAC includes packaged split systems for the office areas, and ventilation for the non-conditioned spaces, to provide required ventilation for vehicle exhaust, as well as summer cooling.

The electrical design includes a new 480/277V service to each building, including the primary connection and serving transformers. Lighting design includes T5 high bay fluorescents throughout the warehouse, and occupancy controls throughout. Extensive exterior lighting is provided at both buildings for exterior storage yards. The design includes pre-wired communications cabling network back to MDF.

Final Cost: \$9,000,000



**RELEVANCE**

- **2 new warehouses: 240,000 sf warehouse, and 20,000 sf warehouse**
- **Both include finished areas with offices and restrooms**
- **Packaged split HVAC systems for office areas**

(1) FIRM NAME

a. Magna Engineers

(2) FIRM LOCATION (*City and State*)

Lexington, KY

(3) ROLE

Mechanical, electrical, plumbing, and fire protection design services

AFFIDAVIT

Comes the Affiant, Amy L. Jackson, and after being first duly sworn, states under penalty of perjury as follows:

1. His/her name is Amy L. Jackson and he/she is the individual submitting the proposal or is the authorized representative of Paradigm Engineers and Constructors, the entity submitting the proposal (hereinafter referred to as "Proposer").
  
2. Proposer will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the proposal is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
  
3. Proposer will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
  
4. Proposer has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
  
5. Proposer has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Proposer will not violate any provision of the campaign finance laws of the Commonwealth.
  
6. Proposer has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

**Continued on next page**

7. Proposer acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

Amy L Jackson

STATE OF Kentucky

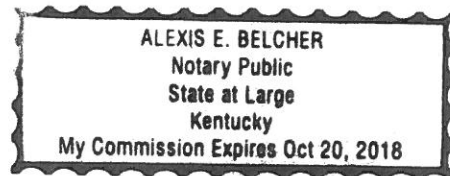
COUNTY OF Jefferson

The foregoing instrument was subscribed, sworn to and acknowledged before me by Amy L Jackson on this the 23 day of June, 2015.

My Commission expires: 10-20-18

Alexis E. Belcher

NOTARY PUBLIC, STATE AT LARGE





**LFUCG MBE/WBE PARTICIPATION FORM**

**Bid/RFP/Quote Reference #** 25-2015

The MBE/WBE subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately.

<b>MBE/WBE Company, Name, Address, Phone, Email</b>	<b>Work to be Performed</b>	<b>Total Dollar Value of the Work</b>	<b>% Value of Total Contract</b>
Magna Engineers T. Michelle Howlett, PE, LEED AP 861 Corporate Drive, Suite 210 Lexington, KY 40503 mhowlett@magnaengineers.com	Mechanical and Electrical Engineering	\$11,330	32%
2.			
3.			
4.			

The undersigned company representative submits the above list of MBE/WBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Paradigm Engineers and Constructors  
**Company**  
June 24, 2015  
**Date**

Amy Jackson  
**By**  
Marketing Coordinator  
**Title**

## EQUAL OPPORTUNITY AGREEMENT

### The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

*The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.*

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

*The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.*

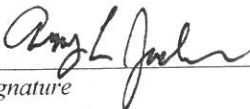
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The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

### Bidders

*I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.*

  
Signature

  
Name of Business

**WORKFORCE ANALYSIS FORM**

**Name of Organization:** Paradigm Engineers and Constructors

**Date:** 6 / 24 / 2015

Categories	Total	White		Latino		Black		Other		Total	
		M	F	M	F	M	F	M	F	M	F
Administrators	3	1	2								
Professionals	11	10				1					
Superintendents											
Supervisors											
Foremen											
Technicians	8	7	1								
Protective Service											
Para-Professionals											
Office/Clerical											
Skilled Craft											
Service/Maintenance											
<b>Total:</b>											

*Prepared by:* Amy Jackson, Marketing Coordinator  
*Name & Title*