



GSA Federal Acquisition Service

GSA Schedule



Contract Number: *GS-21F-069AA*

*Multiple Award Schedule 03FAC
Facilities Maintenance and Management
Solutions for Real Property*

Contract Period: *February 1, 2013 - January 31, 2018*

Business Size: *Large*

SINs: *871-206, Building Commissioning Services
871-207, Energy Audit Services*

On-line access to contact ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic service order are available through GSA Advantage!, a menu-driven database system. Visit GSA Advantage! at www.gsaadvantage.gov.



DAYTON • COLUMBUS • FINDLAY • CLEVELAND • INDIANAPOLIS

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Firm Overview

Dayton Office - LEED Platinum

1400 West Dorothy Lane
Dayton, OH 45409-1310
P | 937.224.0861



Columbus Office - LEED Gold

1800 Watermark Dr. Ste 410
Columbus, OH 43215
P | 614.457.2696



Indianapolis Office - LEED Gold

3850 Priority Way South Dr. Ste. 204
Indianapolis, IN 46240
P | 317.571.8795



Findlay Office

506 S. Main St.
Findlay, OH 45840
P | 567.250.9130



Cleveland Office

The Hanna Building
1422 Euclid Ave Ste 1162
Cleveland, OH 44115
P | 216.862.5846

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Heapy Engineering, a corporation, was founded in 1945. The firm, with 172 employees, is based in Dayton, Ohio with branch offices in Columbus, Findlay and Cleveland, Ohio and Indianapolis, Indiana.

Heapy Engineering is a nationally recognized leader in the design of high performance buildings that:

- Optimize Energy Efficiency
- Minimize Operational Cost
- Maximize Environmental Sustainability, and
- Provide Building Users with Comfortable and Productive Indoor Environments

Heapy Engineering provides Mechanical, Electrical and Technology Engineering Systems Design, Planning, LEED and Energy Services, and Commissioning Services for the Healthcare, Educational, Institutional, Commercial and Industrial markets.

Depending on your needs, we provide:

- Construction Documents for competitive bidding
- Fast-tracked or phased services
- Energy Assessments
- Construction management services
- Design/build documents
- Master Planning

Heapy Engineering is a member of the US Green Building Council and has 100 LEED Professionals on staff and is working or has worked on over 300 LEED Registered projects.

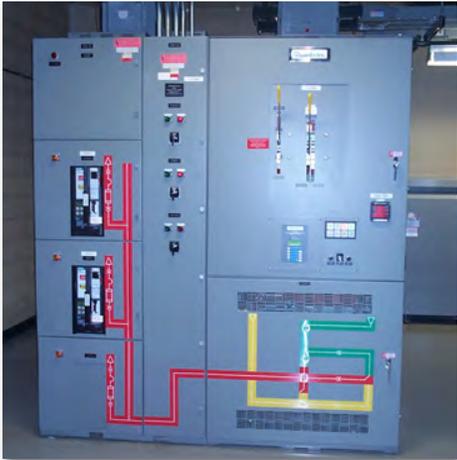
Heapy Engineering plans and designs over \$900 million annually in total construction cost. Our primary markets include:

- Commercial/Office/Retail
- Correctional/Criminal Justice
- Education: College/University
- Education: K-12
- Health Care
- Laboratories/Research
- Arts/Cultural
- Municipal/Religious
- Sports/Recreation
- Hospitality



www.heapy.com

Firm Overview



MEP Engineering Design

- Automated Controls
- Building Electrical Distribution
- Communications and Data Systems
- Construction Inspection and Commissioning
- Electrical High Voltage Distribution
- Energy & Maintenance Management
- Energy and Economic Evaluation
- Fire Alarm Systems
- Fire Protection
- Heating, Ventilating and Air Conditioning
- LEED/Sustainable Design
- Lighting
- Master Planning
- Plumbing
- Security Systems
- Water and Waste Treatment

Plumbing Design

Our plumbing design capabilities pertain not only to basic plumbing systems such as domestic water, sanitary waste, and storm drainage and related equipment, but to special systems and equipment as well. This category includes natural gas, compressed air, medical gases, medical vacuum, water conditioning, swimming pools and waste treatment. The respective systems and/or assemblies are designed in accordance with applicable code requirements and in conjunction with the rules and regulations of the utility companies involved.

Fire Suppression Design

Fire suppression systems designed by our firm have included wet, dry, deluge and pre-action automatic sprinkler systems. Special systems such as gaseous, foam, carbon dioxide and dry chemical have also been designed based on the needs of special projects.

HVAC Design

Heating, Ventilating and Air Conditioning design is a keystone of our design services. We have conceived many innovative but simple systems to heat, cool and light buildings with a minimum of energy input. We strive to make each project cost-effective and functional, often providing on-site assistance or computer monitoring from our office to accomplish these goals.

Electrical Design

We have developed numerous innovative lighting designs, utilizing direct and indirect systems, task lighting and day lighting. Power Distribution designs have included new or revised medium voltage distribution systems at numerous university campuses and other large facilities, ranging from 2.4 KV to 69 KV. We have extensive experience designing emergency and standby power systems utilizing single or multi-engine gen-sets. Mission critical designs utilize gen-sets, UPS and static transfer switches as per tier requirements.

Sustainability/Energy

Heapy Engineering has a broad range of expertise in sustainability and green building practices. Our services address energy efficiency, renewable energy, indoor environmental quality, appropriate materials, and water conservation.

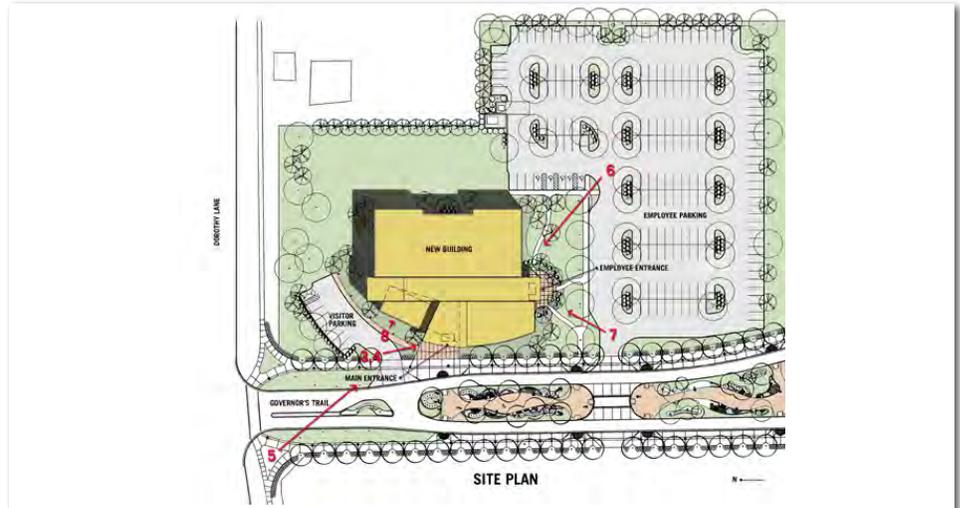
Heapy Engineering offers comprehensive energy services with the objective of identifying and assessing energy conserving opportunities and determining cost effective solutions for implementation. We address both existing buildings and new construction projects in all market types.

Firm Overview



Technology Services

- Automatic Temperature Controls (DDC)
- Asset Management
- AV Equipment
- CATV - Broadband
- Closed Circuit Television System (CCTV)
- Card Reader Systems for Access Control
- Clock Systems
- Data Network Electronics
- Routers/Hubs/Switches/Firewalls/ LAN/WAN/Wireless
- Detention Electronics
- Dimming Systems
- Distance Learning/ Videoconferencing
- EMS – Lonworks/Bac-Net
- Fire Alarm Systems
- Lighting Controls Systems
- Media Distribution System
- Nurse Call/Code Blue/Infant Security
- Paging Systems
- Power Metering/Monitoring (SCADA)
- Security Management System/ Access Control/Blue Lights/ Intrusion Alarm
- Sound Reinforcement Systems
- Structured Cabling Systems/ ISP/ OSP
- Voice Telephony



Planning Services

Heapy Engineering is well known for its ability to manage the planning, design, and construction process for projects of all sizes and complexity. Heapy Engineering has completed numerous Strategic and Master Plan initiatives with specific emphasis in the Health Care, Higher Education and Sustainability/Energy markets.

Building on this Planning expertise, Heapy Engineering provides an integrated approach to Planning that encompasses Comprehensive Asset Management and the Total Cost of Ownership (TCO). Planning that places value on integration of TCO principles can ultimately provide organizations with strategic funding opportunities as well.

Oftentimes an organization's institutional leadership and facilities management teams seem to be far apart, when their end goals are definitely the same. Heapy Engineering's approach to Strategic and Master Planning is designed to bridge this potential gap between the long term mission/vision of the boardroom and the realities of ongoing building management.

Commissioning Services

Commissioning is the process for achieving, validating and documenting the performance of building systems. It provides additional quality assurance for new and existing building projects by verifying building energy and comfort systems operate at their highest efficiency levels per their intended design. Heapy Engineering provides Commissioning Services for:

- New Buildings
- Existing Buildings (Retro-Commissioning)
- Existing Building Performance and Maintenance (Ongoing Commissioning)
- Technology Systems
- LEED and Sustainability Projects

Firm Overview

Total Staff and Registrations

The firm has enjoyed a healthy and steady growth over the years. Thirty percent of our Designers have over 20 years of technical experience with Heapy Engineering alone. This tenure provides the firm with stability and continuity. The Design Staff, as a whole, averages over 17 years experience. This experience provides a tremendous technical resource base to serve our clients.

Engineers, Registered and Non-Registered	78
Technical Directors and Team Managers	6
Senior Designers	8
Designers	9
Digital Design (Revit/ABS)	22
Digital CAD (Revit/ABS)	6
Administration	21
Commissioning & Construction Services	22
TOTAL	172



Heapy Engineering is registered to perform Engineering services in the following states:

- | | |
|-------------------|----------------|
| Alabama | Nebraska |
| Arizona | Nevada |
| Arkansas | New Jersey |
| California | New Mexico |
| Colorado | New York* |
| Connecticut* | North Carolina |
| Delaware | Ohio |
| Dist. of Columbia | Oklahoma |
| Florida | Oregon |
| Georgia | Pennsylvania |
| Hawaii | South Carolina |
| Idaho | Tennessee |
| Illinois | Texas |
| Indiana | Utah |
| Iowa | Virginia* |
| Kansas | Washington |
| Kentucky | West Virginia |
| Louisiana | Wisconsin |
| Maine | Wyoming |
| Maryland | |
| Massachusetts | |
| Michigan* | |
| Minnesota | |
| Mississippi | |
| Missouri | |

** Providing services through Heapy Consultants LLC*



Firm Overview

Heapy Engineering—An ISO Certified Company



ISO Quality Standards were developed to assist companies with quality control and to maintain a high standard of customer satisfaction

What ISO Certification Means for You

By adopting and committing to this process, Heapy Engineering ensures that we will deliver a consistently high level of quality while providing thorough consideration of innovative and creative concepts for your project(s).

What is ISO?

- ISO (International Organization for Standardization) is the world's largest developer of voluntary international standards.
- ISO's principal activity is the development of technical standards. When there is an absence of such standards, the quality of the service or product produced is typically inconsistent.
- ISO has members from 156 countries worldwide. ISO 9001 refers to the set of quality management standards.

Heapy Engineering's Quality Policy

Heapy Engineering shall:

- Provide professional engineering services that contractually meet client's expectations.
- Continuously improve the level of competence, awareness and training of our personnel.
- Continuously monitor, analyze and improve our Quality Management System.



ISO Objectives

The objectives of ISO 9001:2008 are aimed at achieving customer satisfaction. This is attained by meeting or exceeding customer requirements through the application of an established process and by focusing on its continual improvement.

Heapy Engineering and ISO

To ensure that every activity Heapy undertakes is completed to the highest possible standards, we spent over 2 years improving and standardizing our internal processes pursuing ISO Certification.

In order to maintain our ISO 9001:2008 certification, a third party auditor must continually review our compliance to the standards we have established for our design process.



License No. FS98575



GSA Schedule Advantages



Heapy Engineering's GSA Schedule contract provides quick, convenient, and cost-effective ordering services!

Advantages of the GSA Schedule: Time Savings.

Service orders process very quickly

Minimal administrative burden.

When you place an order with Heapy Engineering, the order is considered to have been placed using "full and open competition."

- You are not required to synopsise the requirement ahead of time in FedBizOpps. You are typically required to synopsise the award of the task order if it is funded by the American Recovery and Reinvestment Act (in which case a synopsis "for information purposes only" is required).
- GSA has already determined that prices offered by Heapy Engineering are "fair and reasonable."

No dollar limits on task orders.

Flexibility.

For example, you can set up a "Blanket Purchase Agreement" (BPA) with Heapy Engineering. A BPA can be useful in the event that you do not know the precise amount or types of services that you would like to purchase. You can use the BPA as an ordering device that can be used by your offices nationwide, allowing them to place orders directly.

Direct relationship with Heapy Engineering.

- GSA does not get involved in your selection process.
- You do not have to transfer funds to GSA and will not have to set up an interagency agreement
- Heapy Engineering will deliver services and invoices directly to you. GSA will not interject itself into your client/contractor relationship.



SIN 871-206 • Commissioning Services

Nationally Certified Commissioning Firm

Commissioning Process Management Professional (CPMP)

American Society of Heating,
Refrigeration and Air
Conditioning Engineers
(ASHRAE)

Certified Commissioning Authority (CxA)

AABC Commissioning Group
Accredited Commissioning
Process Provider (QCxP)
University of Wisconsin

Certified Building Commissioning Professional (CBCP)

Association of Energy
Engineers (AEE)

Certified Commissioning Professional (CCP)

Building Commissioning
Association (BCxA)

Building Systems Commissioning (BSC)

National Environmental Balancing
Bureau (NEBB)

Existing Building Commissioning Professional (EBCP)

Association of Energy
Engineers (AEE)

Energy Management Professional (EMP)

AABC Commissioning Group

*Kent State University Tuscarawas Performing Arts Center
Tuscarawas, Ohio*



The buildings of today are comprised of complex, integrated, and sustainable building systems. To ensure that these systems operate and meet their high performance goals, it is essential that a comprehensive verification process be used throughout the building design and construction process. This process is Building Commissioning.

Retro Commissioning

Retro Commissioning is used in existing buildings to improve their overall operational efficiency. In this process, a building's Mechanical, Electrical, Life Safety, Building Envelope, etc. systems are tested to verify that they perform as required from an energy and people efficient perspective.

Technology Commissioning

Information Technology systems are now integral to day-to-day operations in nearly every type of facility. Failure to properly commission IT systems increases the possibility of expensive and disruptive downtime. Integrated commissioning of all physical infrastructure components ensures maximum performance.

LEED Commissioning

By delivering Fundamental Building Commissioning (EAp1) and Enhanced Commissioning (EA3) Services for over 250 LEED Projects, Heapy Engineering provides considerable expertise to assist your project in meeting its LEED certification goal.

Ongoing Commissioning

Ongoing commissioning is the practice of monitoring and managing targeted building systems to ensure that once commissioned (or retro-commissioned) they continue to operate at peak performance levels. This process involves monitoring building operating parameters on an ongoing basis to verify performance benchmark levels are being maintained. Immediate response and corrective action is then developed by ongoing commissioning services personnel to assist the owner in immediately addressing identified deficiencies before they become energy and/or operational cost issues.



SIN 871-207 • Energy Audit Services

Standard Energy Audit Scope

1. Compile 24-36 months of energy consumption and cost in order to review monthly patterns and develop graphical representations of historic data.
2. Perform a regression analysis to normalize the outside weather temperature variable. Develop an energy profile equation to realize gains or losses in actual building energy efficiency by removing outside variables.
3. Generate a benchmark by comparing the facility's Energy Use Intensity (EUI) with buildings having similar characteristics.
4. Compare the energy and cost savings for each fuel type if the facility were to reach the target EUI.
5. Perform a walk-through survey of the facility to become familiar with its construction, equipment, operation, and maintenance. Our walk-through will focus on building components that impact consumption of electricity, gas, and water.
6. Interview the building operator and occupants to learn of special problems or needs of the building. This will allow us to identify any maintenance problems and/or practices that may impact building efficiency.
7. Review and briefly summarize the condition of the mechanical/electrical systems and building envelope from the standpoint of energy efficiency.



8. Perform a rough estimate to determine the approximate breakdown of energy use for significant end-use categories, including weather and non-weather related uses
9. Identify low-cost/no-cost changes to the facility or to operating and maintenance procedures, and determine estimates of probable energy savings and implementation cost associated with these changes. This includes identification of any applicable utility rebates and the estimated value of those incentives.
10. Identify potential capital improvements for further study, and provide an initial estimate of potential costs and savings.
11. Generate a formal report detailing our findings and the results of the energy audit process.
12. Participate in a meeting to present the results of our study to the Owner.

be performed for the Energy Auditing services required for the LEED EB Prerequisite, EAp1.

1. Heapy Engineering will work with the Owner to update any changes to the current sequence of operations for the building, along with a building operating plan that provides details on how the building is to be operated and maintained. The students will assist by helping research the current building operations.
2. Heapy Engineering will work with the Owner to obtain a systems narrative that briefly describes the mechanical and electrical systems and equipment in the building.
3. Heapy Engineering will work with the Owner to obtain a current preventive maintenance plan for the equipment described in the systems narrative and document the preventive maintenance schedule during the Performance Period.



LEED EB Energy Auditing Scope

In addition to the scope of services listed above for the Traditional Energy Audit Scope, the following items would



SIN 871-207 • Energy Audit Services



University of Toledo Fieldhouse Classroom Conversion (LEED Gold)

Heapy Engineering provided Mechanical-Electrical Design, Commissioning and LEED Program Management services for this \$25 million project that was 2.4% under budget and received LEED-NC Gold Certification.

Sustainability Achievements

- 100 LEED Professionals
- 9 AEE Certified Energy Managers (CEMs)
- Over 300 LEED Projects
- 148 LEED Certified Projects (4 Platinum & 71 Gold)
- Numerous AIA and other Sustainability Awards
- Multiple ENERGY STAR Projects
- Governor's Award for Energy Efficiency
- Top 100 Green Design Firm (ENR)
- Produced Energy Models for over 8 million SF
- Local USGBC Chapters Board Members



**PROVEN
PROVIDER**



LEED Proven Provider

Heapy Engineering is one of approximately 25 firms nationally selected by GBCI as a LEED Proven Provider in the BD+C rating system based on the quantity and consistency of our LEED project submissions. This program allows for direct correspondence with the LEED Review Team throughout the project, as well as a streamlined certification review process. The goal of the program is to eliminate the need for LEED review comments, so that projects can be certified immediately upon submission.

Providing Value

Heapy Engineering is a Nationally recognized leader in sustainability, providing services that support and create high performance buildings. These buildings:

- Optimize Energy Efficiency
- Minimize Operational Costs
- Maximize Environmental Sustainability
- Provide Comfortable and Productive Indoor Environments

Sustainability Services

We have a broad range of expertise in sustainability and green building practices. Our services address energy efficiency, renewable energy, indoor environmental quality, appropriate materials, and water conservation. Our services include:

- Sustainability Master Planning
- LEED Program Management
- LEED Commissioning
- LEED Feasibility Studies
- LEED / Sustainability Eco-Charrettes
- Green Globes (GBI) Documentation & Certification
- Computational Fluid Dynamics (CFD) Modeling
- LEED & Sustainability Training
- Green House Gas / Carbon Reduction Planning

Energy Services

We offer comprehensive energy services with the objective of identifying and assessing energy conserving opportunities, determining cost effective energy for their implementation. We address both existing buildings and new construction projects in all market types.

- Energy Master Planning
- Energy Modeling (ASHRAE 90.1)
- Daylight Modeling
- Energy Audits
- ENERGY STAR Assessments
- Tax Credit Documentation / Applications
- Performance Contract Assessments
- Renewable Energy Solutions
- Measurement and Verification
- Utility and Government Based Energy Incentives

"As our LEED and MEP Design consultant, Heapy Engineering's knowledge of the LEED Certification process and their critical guidance on energy and water conserving systems were significant factors in Wright State University's Diggs Laboratories achieving LEED GOLD certification."

—Beverly Denlinger
Wright State University Project Manager

SIN 871-207 • Energy Audit Services

Sustainability and Energy Master Planning

Sustainability and Energy Master Plans can be structured for existing facilities or as part of the planning process for a new building. These Master Plans can provide:

- Short and long term goals to minimize energy use
- Short and long term goals to maximize the environmental, social and economic impact of your project
- Specific approach/plan to achieve these goals
- Estimate of implementation costs
- Process Milestones
- Measurement and Verification Plans to ensure ongoing understanding and compliance with meeting your goals

Renewable Energy

Renewable energy systems are becoming increasingly common and more cost-effective. Heapy works with Owner's in developing renewable energy projects that include: geothermal, solar thermal, smart grid, photovoltaic and wind energy.

"Our Heapy Engineering led Eco-Charrette effectively and enthusiastically educated the team on practical sustainable strategies as well as identified everyone's LEED related responsibilities. Heapy was very responsive to our team's many LEED questions and their timely recommendations were vital to the project being both energy efficient and under budget."

—Will Korte
US Commercial Real Estate, LLC



Sinclair Community College Energy Master Plan

The plan addressed energy use for this urban campus, serving 28,000 students, consisting of 20 buildings and over 1.7 million SF of space.



The Ohio State University Sustainability Master Plan

Co-led the team that identified synergistic solutions and design standards to create a more sustainable campus consistent with the University's mission and climate change goals.



City of Dayton Geothermal Study

This study determined the economic benefits of using geothermal energy, including the creation of a district geothermal utility serving businesses and residential customers in downtown Dayton.



Wright Patterson Air Force Base Energy Assessment

Complete energy audit, utility infrastructure assessment and life cycle analysis for WPAFB, which consists of 13.5 million SF among 345 buildings.

Energy Program Case Study: Hospice of Northwest Ohio

- **Issue:** The utility cost for the new 27,000 SF hospice was substantially higher than the original hospice facility
- **Solution:** Heapy Engineering provided Energy Audit and Retro-Commissioning Services which led to a building HVAC retrofit project
- **Actual Energy Cost Savings:** \$28,600

Hourly Rates

SIN Proposed	Service Proposed	GSA Discount	GSA Prices Excluding IFF	GSA Prices Including IFF
871 206, 871 207	Director / Senior Principals	5.0%	\$ 185.25	\$186.65
871 206, 871 207	Team Manager	5.0%	\$ 171.75	\$172.29
DESIGN PERSONNEL				
871 206, 871 207	Sr. Project Manager	5.0%	\$166.25	\$167.51
871 206, 871 207	Project Manager	5.0%	\$133.00	\$134.01
871 206, 871 207	Senior Engineer	5.0%	\$114.00	\$114.86
871 206, 871 207	Senior Designer	5.0%	\$109.25	\$110.08
871 206, 871 207	Engineer	5.0%	\$ 95.00	\$ 95.72
871 206, 871 207	Designer	5.0%	\$ 85.50	\$ 86.15
871 206, 871 207	CAD / Design	5.0%	\$ 71.25	\$ 71.79
871 206, 871 207	CAD Technician	5.0%	\$ 61.75	\$ 62.22
TECHNOLOGY SERVICES DEPARTMENT				
871 206, 871 207	Project Manager (RCDD) (Technology)	5.0%	\$133.00	\$134.01
871 206, 871 207	Sr. Technology Engineer (RCDD)	5.0%	\$114.00	\$114.86
871 206, 871 207	Technology Designer	5.0%	\$ 85.50	\$ 86.15
COMMISSIONING SERVICES DEPARTMENT				
871 206, 871 207	Sr. Project Manager (Commissioning)	5.0%	\$166.25	\$167.51
871 206, 871 207	Project Manager (Commissioning)	5.0%	\$133.00	\$134.01
871 206, 871 207	Senior Mechanical Systems Engineer(Commissioning)	5.0%	\$123.50	\$124.43
871 206, 871 207	Senior Project Administrator (Commissioning)	5.0%	\$114.00	\$114.86
871 206, 871 207	Project Administrator (Commissioning)	5.0%	\$104.50	\$105.29
871 206, 871 207	Field Representative (Commissioning)	5.0%	\$ 95.00	\$ 95.72
LEED AND ENERGY SERVICES DEPARTMENT				
871 206, 871 207	Energy Services Project Manager	5.0%	\$133.00	\$134.01
871 206, 871 207	LEED Project Coordinator	5.0%	\$114.00	\$114.86
871 206, 871 207	Energy Engineer	5.0%	\$ 95.00	\$ 95.72

Labor Categories

Applicable Training for Labor Categories Director/Senior Principal through Designer: Stay abreast of the current codes by attending in-house monthly tech sessions. Maintain industry related certifications including but not limited to PE, LEED AP BD+C, CEM, LC.

Director/Senior Principals

Minimum Years of Experience: 5

Minimum Education: Bachelor's Degree

Provides corporate leadership and directs the business operation of the company with the objective of providing maximum growth, profit, return on invested capital and support of quality objectives and agreed to customer requirements. Establishes current and long-range objectives, plans and policies. Guides the corporate development and implementation of these strategies and policies through subordinate managers. Represents the company with its major customers, the financial community and the public.

Team Manager

Minimum Years of Experience: 5

Minimum Education: Bachelor's Degree

Manages and directs all operational and administrative aspects of team operations including design projects. Coordinates activities of Project Managers, Assistant Project Managers, design and support staff to insure that design projects meet agreed to ("contracted") client requirements and meet the quality policies and objectives established within the firm. Insure that you have competent resources within the team or can procure the necessary competent resources to meet the project budgets and manage to the profit goal of the company. Establish and maintain client relationships to stimulate future sales. Responsible to promote ancillary services of the firm such as LEED services, technology, field and commissioning services.

Senior Project Manager

Minimum Years of Experience: 3

Minimum Education: Bachelor's Degree

The Project Manager has full responsibility for the technical aspects of his projects as well as planning, organizing, directing and controlling the projects. The Project Manager is also responsible for taking an active role in the marketing and selling aspects of the position including client relations' activities. The Project Manager maintains accountability for billing the client, securing payment and earning the profit.

Project Manager

Minimal Years of Experience: 3

Minimum Education: Bachelor's Degree

The Project Manager has full responsibility for the technical aspects of his projects as well as planning, organizing, directing and controlling the projects. The Project Manager is also responsible for taking an active role in the marketing and selling aspects of the position including client relations' activities. The Project Manager maintains accountability for billing the client, securing payment and earning the profit.

Senior Engineer

Minimum Years of Experience: 3

Minimum Education: Bachelor's Degree

Performs functions to develop / design engineering solutions for new or existing buildings or processes. Works under broad direction from requirements described in the project planner and/or associated project scope or other work instructions provided by the Project Manager. Establishes and develops detailed project requirements and specifications through engineering calculations and layouts to meet the customer's requirements in compliance with statutory or regulatory requirements as well as Heapy Engineering Standards. Communicates with customers, in-house resources and vendors to obtain information and assistance. Provides technical expertise to assist/train less experienced designers / engineers. Assists the Project Manager in the planning, development and administration of the engineering project.

Senior Designer

Minimum Years of Experience: 5

Minimum Education: Bachelor's Degree

Performs functions to develop / design engineering solutions for new and/or existing buildings or processes. Works under broad direction from requirements described in the project planner, project scope or other work instructions provided by the Project Manager or Assistant Project Manager. Establishes and develops detailed project requirements and specifications through engineering calculations and layouts to meet the agreed to customer requirements and in compliance with statutory or regulatory requirements as well as Heapy Engineering Standards. Communicates with customers, in-house resources and vendors to obtain information, requirements and technical assistance. Provides technical expertise to assist / train less experienced designers and engineers. Assists the Project Manager or Assistant Project Manager in the planning, development and administration of the engineering project.

Engineer

Minimal Years of Experience: 3

Minimum Education: Bachelor's Degree

Performs functions to develop / design engineering solutions for new or existing buildings or processes to meet agreed to customer requirements. Works under broad direction of the Project Manager or Assistant Project Manager through the use of the Heapy Project Planner and / or associated project scope or other work instructions provided. Develop and maintain a thorough knowledge of Heapy Engineering Standards and processes. Establishes and develops detailed project requirements and specifications through engineering calculations and layouts in conformance with Heapy Engineering Standards as well as regulatory requirements. Communicates with customers, in-house resources and vendors to obtain information, requirements and technical assistance. Assist Project Manager and / or Assistant Project Manager to develop proficiency in the planning, development and administration of the engineering project. Develops management skills by providing technical assistance and direction to less experienced designers, cad / designers, and cad operators.

Designer

Minimal Years of Experience: 3

Minimum Education: Bachelor's Degree

Performs functions to develop / design engineering solutions for new and/or existing buildings or processes. Works under broad direction from requirements described in the project planner, project scope or other work instructions provided by the Project Manager or Assistant Project Manager. Develops detailed project requirements and specifications through engineering calculations, layouts, statutory or regulatory requirements, and Heapy Engineering Standards with technical assistance provided by Project Manager, Assistant Project Manager, Engineering Resources or senior design level staff to meet the agreed to customer requirements. Communicates with customers, in-house resources and vendors to obtain information, requirements and technical assistance. Provides direction and assistance to cad/design staff and cad operators. Provides assistance to the Project Manager or Assistant Project Manager in the planning, development and administration of the engineering project. Must have demonstrated appropriate technical level skills as well as customer and vendor communication skills.



Labor Categories

Applicable Training for Labor Categories CAD Designer through CAD Technician: Stay abreast of the current codes by attending in-house monthly tech sessions

CAD Designer

Minimal Years of Experience: Entry Level

Minimum Education: High School Diploma

Performs functions to develop, prepare and maintain engineering design documents in conformance to Heapy Engineering Standards and statutory and/or regulatory requirements in order to meet agreed-to customer requirements. Works under direction of all design level staff and production management staff. Communicate all assigned tasks and/or conflicts with design staff and/or production management staff to prioritize based on schedules and project planner requirements. Takes initiative to ensure all application standards are observed and implemented. Provide input to designers where potential difficulties or deviations from application standards appear to be an issue. Perform all assigned tasks within budgeted time. Communicates with customers, in-house resources and vendors to obtain information, requirements and technical assistance. Must have minimum competency through CAD 2 skill sets and CAD Designer level 1 skill sets.

CAD Technician

Minimal Years of Experience: Entry Level

Minimum Education: High School Diploma

Performs tasks using CAD equipment and software to prepare engineering design drawings in conformance with Heapy Engineering Standards, Work Instructions, layouts and instructions given by production staff members to meet agreed to customer requirements. Maintain proficiency in CAD work for all disciplines. Develop and maintain a thorough knowledge of the Heapy Engineering drafting standards and notify Engineering Resources as well as the project manager of any deficiencies or improvements that need to be made to the standards. Perform duties accurately and within the budgeted time frame as agreed to with the appropriate production staff member. Prepare job sets for submittals (PHE) to be sent out of office either electronically or hard copy and ensure proper information is included on the drawings including seals and dates.

Applicable Training for Labor Categories Project Manager (RCDD) (Technology) through Technology Designer: Stay abreast of the current codes by attending in-house monthly tech sessions. Maintain industry related certifications including but not limited to CTS and/or RCDD.

Project Manager (RCDD) Technology

Minimal Years of Experience: 3

Minimum Education: Bachelors Degree

functions to develop / design technology systems solutions for new or existing buildings or processes. Works under broad direction from requirements described in the project planner and/or associated project scope or other work instructions provided by the Project Manager. Establishes and develops detailed project requirements and technology specifications through engineering calculations and layouts to meet the customer's requirements in compliance with statutory or regulatory requirements as well as Heapy Engineering Standards. Communicates with customers, in-house resources and vendors to obtain information and assistance. Provides technical expertise to assist / train less experienced technology designers. Assists the Project Manager in the planning, development and administration of the technology design project. Bachelor's degree in appropriate technical field or equivalent seven years technology design experience required. Certification as a CTS and/or RCDD preferred.

Senior Technology Engineer (RCDD)

Minimal Years of Experience: 3

Minimum Education: Bachelors Degree

Performs functions to develop / design technology systems solutions for new or existing buildings or processes. Works under broad direction from requirements described in the project planner and/or associated project scope or other work instructions provided by the Project Manager. Establishes and develops detailed project requirements and technology specifications through engineering calculations and layouts to meet the customer's requirements in compliance with statutory or regulatory requirements as well as Heapy Engineering Standards. Communicates with customers, in-house resources and vendors to obtain information and assistance. Provides technical expertise to assist / train less experienced technology designers. Assists the Project Manager in the planning, development and administration of the technology design project. Bachelor's degree in appropriate technical field or equivalent seven years technology design experience required. Certification as a CTS and/or RCDD preferred.

Applicable Training for Labor Categories Energy Services Project Manager through Energy Engineer: Stay abreast of the current codes by attending in-house monthly tech sessions. Maintain industry related certifications including but not limited to LEED AP BC+C, O+M, BEAP, CEM

Energy Services Project Manager

Minimal Years of Experience: 3

Minimum Education: Bachelors Degree

Responsible for the technical aspects as well as the planning, scheduling and delivery of our LEED and Energy Services department. The Project Manager is also responsible for taking an active role in the marketing and selling aspects of the position including client relations' activities. The Project Manager maintains accountability for billing the client, securing payment and earning the profit.

Energy Engineer

Minimal Years of Experience: 3

Minimum Education: Bachelors Degree

Energy Analysis, Energy Modeling, Energy Master Planning, Energy Auditing, Utility Analysis, Renewable Energy System Assessments and Retro-fit / Implementation projects involving of all the above. Understanding of ASHRAE Standard 90.1 Appendix G Energy Modeling process, ENERGY STAR, and other energy legislation.

LEED Project Coordinator

Minimal Years of Experience: 3

Minimum Education: Bachelors Degree

Responsible for LEED Project Administration, Sustainable Design and Standards, and HVAC Design and Standards. LEED Project Administration responsibilities include assisting with project team coordination, LEED documentation, Eco-Charrettes, etc.



Labor Categories

Applicable Training for Labor Categories Senior Project Manager (Commissioning) through Field Representative (Commissioning): Stay abreast of the current codes by attending in-house monthly tech sessions. Maintain industry related certifications including but not limited to PE, CxA, CPMP, QCxP, CEM, BEAP, LEED AP BD+C

Senior Project Manager (Commissioning)

Minimal Years of Experience: 5

Minimum Education: Bachelors Degree

Responsible for managing commissioning of building systems through; developing and editing specifications for project contracts, providing review of project designs and equipment submittals, coordinating project commissioning activities with the design and construction team, and developing and supervising system operational verification tests that meet agreed to client requirements and meet the quality policies and objectives established within the firm. Functions as a representative of the design engineer within the construction process. Provides direct supervision of the functional system testing in the field. Able to execute the specifications of the contract independently with minimal guidance from supervision. Works to develop and build client relationships to foster additional business.

Project Manager (Commissioning)

Minimal Years of Experience: 5

Minimum Education: Bachelors Degree

The Commissioning Project Manager has full responsibility for the technical aspects of his projects as well as planning, organizing, directing and controlling the projects. In addition to the same responsibilities of the Senior Commissioning Project Administrator, the Commissioning Project Manager is also responsible for maintaining accountability for billing the client, securing payment and earning the profit. This position also takes an active role in the marketing and selling aspects of the position including client relations' activities.

Senior Mechanical Systems Engineer (Commissioning)

Minimal Years of Experience: 5

Minimum Education: Bachelors Degree

Responsible for managing commissioning of building systems through; developing and editing specifications for project contracts, providing review of project designs and equipment submittals, coordinating project commissioning activities with the design and construction team, and developing and supervising system operational verification tests that meet agreed to client requirements and meet the quality policies and objectives established within the firm. Functions as a representative of the design engineer within the construction process. Provides direct supervision of the functional system testing in the field. Able to execute the specifications of the contract independently with minimal guidance from supervision. Works to develop and build client relationships to foster additional business. Bachelor's degree in appropriate engineering field or equivalent experience within the commercial construction industry. Prefer 5 years of HVAC systems and temperature controls systems design experience or 10 years experience as an HVAC temperature control system application engineer.

Senior Project Administrator (Commissioning)

Minimal Years of Experience: 5

Minimum Education: Bachelors Degree

Responsible for managing commissioning of building systems through; developing and editing specifications for project contracts, providing review of project designs and equipment submittals, coordinating project commissioning activities with the design and construction team, and developing and supervising system operational verification tests that meet agreed to client requirements and meet the quality policies and objectives established within the firm. Functions as a representative of the design engineer within the construction process. Provides direct supervision of the functional system testing in the field. Able to execute the specifications of the contract independently with minimal guidance from supervision. Works to develop and build client relationships to foster additional business.

Project Administrator (Commissioning)

Minimal Years of Experience: 5

Minimum Education: Bachelors Degree

Responsible for managing commissioning of building systems through; developing and editing specifications for project contracts, providing review of project designs and equipment submittals, coordinating project commissioning activities with the design and construction team, and developing and supervising system operational verification tests that meet agreed to client requirements and meet the quality policies and objectives established within the firm. Functions as a representative of the design engineer within the construction process. Provides direct supervision of the functional system testing in the field.

Field Representative (Commissioning)

Minimal Years of Experience: 5

Minimum Education: Bachelors Degree

Performs functions to ensure projects are constructed in conformance to Heapy design engineering drawings and specifications. Review and become familiar with all field service contract requirements and contract documents to assigned projects prior to initial field visit. Post addenda and any change orders to plans and specs. Review contract requirements to develop and maintain schedule to prioritize and organize both in-office time and site visits including all required meetings with Contractors, Owners, Architects and / or their representatives. Observe construction installation to ensure that it conforms to the construction documents prepared by Heapy Engineering or other requirements as stipulated in the Heapy contract. Identify and communicate the corrective actions needed for non-conformances to affected contractor or construction manager and the Heapy Project Manager. Prepare site visit reports timely and send to Heapy customer (Owner or Architect) and the Project Manager. Site reports should include all deficiencies and/or non-conformances and any corrective actions taken by the affected party.

Terms and Conditions

SINs

871-206, Commissioning Services
871-207, Energy Audit Services

Hourly Rates:

See page 6

Labor Category Descriptions:

See page 7

Maximum Order:

There is no limit on the size of any task order issued under a GSA Schedule contract. If the best value selection places your order over \$1 million per task order, you have an opportunity to seek a better Schedule contract price. Heapy Engineering may: (1) offer a new price for this requirement; (2) offer a lower price; or (3) decline the order. A task order that exceeds \$1 million can be placed under the contract in accordance with FAR 8.404.

Minimum Order:

\$100

Geographic Coverage:

Domestic

Points of Production:

Heapy Engineering

Discount from List Prices or Statement of Net Price:

All prices listed are net

Quantity Discounts:

None

Prompt Payment Terms:

Net 30 days

Government Purchase Cards:

Accepted

Schedule of Delivery of Services:

Specified in task orders

Expedited Delivery of Services:

Contact Heapy Engineering

Urgent Requirements:

Contact Heapy Engineering

Ordering Address:

Heapy Engineering
1400 W. Dorothy Lane
Dayton, OH 45409-0310
P 937-224-0861
F 937-224-5777
mjberning@heapy.com

Payment Address:

See above

Warranty Provision:

Contact Heapy Engineering

Terms and Conditions of Government Purchase Card Acceptance:

Contact Heapy Engineering

Data Universal Number System (DUNS):

06-170-7899

Notification Regarding Registration in Central Contractor Registration (CCR) Database:

Registered

CONTACT US:

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