

---

**Waltonen Engineering, Inc.**

General Services Administration (GSA) Federal Supply Services (FSS)

Authorized Federal Supply Schedule Price List

**Professional Engineering Services (PES) Schedule 871**

Contract Number:	GS-10F-0017Y
Period of Performance:	October 13, 2011 - October 12, 2016
Geographic Coverage	FOB Destination, Domestic only delivery with exact time specified on individual delivery/task order
Type of Contract:	FFP IDIQ

Waltonen Engineering, Inc. (WEI) has been awarded GSA's PES Schedule which offers Federal agencies quick and easy access to service requirements within the engineering field. Eligible customers include all agencies of the Federal Government.

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through *GSA Advantage!*, a menu-driven database system. The Internet address for *GSA Advantage!* is <http://www.gsaadvantage.gov>

For information on how to contract with WEI, please contact us at the following:

**Waltonen Engineering, Inc.**  
**31330 Mound Road**  
**Warren, Michigan, 48092**  
**Phone: 586-274-2300 Fax: 586-274-2330**  
[www.waltonen.com](http://www.waltonen.com)

---

**Additional Contacts:**

Lloyd Brown  
President  
Direct: 586-274-2316  
[Lloyd.brown@waltonen.com](mailto:Lloyd.brown@waltonen.com)

Beth McReynolds  
Vice President - Finance  
Direct: 586-274-2318  
[beth.mcreynolds@waltonen.com](mailto:beth.mcreynolds@waltonen.com)

**Company Overview**

Waltonen (WEI) is a privately held, Small Business, engineering design house founded in 1957. WEI employees have an average of 17 years of dedicated work experience in our areas of expertise. We specialize in design, engineering, and project management across a broad industrial spectrum. Our clients include leading automotive, defense, medical, consumer products, and aerospace companies. We are designers of manufacturing systems for high volume automated assembly operations. For our military and defense industry customers we specialize in the creation of Level III Technical Data Packages for military vehicles and naval vessels. We also excel at Reverse Engineering and 3D Scanning. WEI was awarded TARDEC Omnibus Contract, W56HZV-09-D-0156, as a small business prime under NAICS code 541712.

**Customer Information****1. Special Item Numbers (SIN's)**

871-1 Strategic Planning for Technology Programs/Activities

871-2 Concept Development and Requirements Analysis

871-3 System Design, Engineering and Integration

871-4 Test and Evaluation

871-5 Integrated Logistics Support

871-6 Acquisition and Life Cycle Management

Recovery SIN's 871-1RC, 871-2RC, 871-3RC, 871-4RC, 871-5RC and 871-6RC

**2. Minimum Order - \$100**

**3. Maximum Order - \$1,000,000**

**4. Geographic Coverage -** WEI can provide services worldwide as requested by Customer.

**5. Point of Production -** WEI is headquartered in Warren, Michigan. As contracts require, our staff can travel to complete the project.

**6. Discount from List Prices – N/A**

**7. Quantity Discounts - N/A**

**8. Prompt payment terms** Net 30 Days

**9. Government Commercial Credit Card – N/A**

**10. Foreign Items-** None

**11. Time of Delivery** – Delivery will be determined on a project by project basis in conjunction with customer requirements.

**12. F.O.B. Point** - Warren, Michigan

**13. Ordering Address**

Waltonen Engineering, Inc.  
31330 Mound Road  
Warren, MI 48092  
586-274-2300  
586-274-2330

**14. Payment Address**

Waltonen Engineering, Inc.  
31330 Mound Road  
Warren, MI 48092  
EIN: 38-3386211

**15. Warranty Provision** - Limited to contractor obligation to fix or correct a design defect.

**16. Export Packing Charges** - N/A

**17. Government Purchase Card Acceptance** – N/A

**18. Terms & Conditions Rental Maintenance Repair** – N/A

**19. Terms & Conditions of Installation** – N/A

**20. Terms & Conditions of Repair Parts, Etc.** – N/A

**21. Service & Distribution Points** – N/A

**22. Participating Dealers** – N/A

**23. Preventative Maintenance** – N/A

**24. Special Attributes** - None

**25. DUNS and Cage Code:** Duns: 80-004-1022 Cage Code: 1WLX1

**26. Central contractor Registration:** WEI is registered in the DoD CCR database. Information can be found at [Central Contractor Registration, now known as SAM, System of Award Management](#)

**Contract Items Awarded****Awarded Special Item Numbers/Primary Engineering Disciplines****SIN 871-1 Strategic Planning for Technology Programs/Activities (PED ME, EE)**

Waltonen manages multiple large scale engineering projects involving thousands of components, processes, systems, and objectives. We are able to do this because our strategic planning processes are adapted to handle multiple projects simultaneously in the most efficient manner. We routinely perform requirements analysis across a broad spectrum of industries, regulations, and specifications. We are frequently called upon by our customers to provide consulting services involving organization performance analysis. We provide specialized training in the use of CAD, CAE, PLM, and dimensional engineering tools for high technology customers in automotive, defense, and aerospace companies.

**SIN 871-2 Concept Development and Requirements Analysis (PED ME, EE)**

Waltonen is adept at creating alternative concepts for complex engineering design problems. We typically provide extensive comparative analysis of the alternatives to arrive at the most cost effective and capable solution that satisfies the correctly identified highest priority requirements.

**SIN 871-3 System Design, Engineering and Integration (PED ME, EE)**

Waltonen can create designs for everything from simple structural components to complete vehicle manufacturing facilities and almost everything in between. We are especially capable system integrators for large scale projects involving thousands of parts and multiple complex operations.

**SIN 871-4 Test and Evaluation (PED ME, EE)**

Waltonen can provide CAD/CAE simulation testing of physical systems, including robotic equipment, tools, machinery, assembly operations, machining and manufacturing methods, as well as virtual testing of product designs. We are experts at evaluating manufacturing systems to recommend methods for achieving remarkable first time through quality. We also specialize in reverse engineering complex machinery, assemblies, vehicles, and hardware. We have produced hundreds of Level III Technical Data Packages for existing military equipment for which no engineering data was available.

**SIN 871-5 Integrated Logistics Support (PED ME, EE)**

Waltonen provides logistics support for the lifecycle of the products it designs. This extends to design revisions to permit re-use, modification, replacement and recovery throughout the service life of the equipment. Waltonen excels at ergonomic performance analysis because we insist on maintaining, with our customers, the highest standards for human health and safety in the manufacturing environment.

**SIN 871-6 Acquisition and Life Cycle Management (PED ME, EE)**

Waltonen program management services have been relied upon by our customers to handle very complex projects from the initial concepts through to high volume production. We also provide technology transfer/insertion with special emphasis on dimensional engineering tools and services, where we introduce inexperienced customers to the knowledge and skill required for high volume precision manufacturing and assembly operations.

**Recovery SIN's**

In addition, Waltonen has the experience to provide the same services defined above, under the following recovery SIN's:

871-1RC, 871-2RC, 871-3RC, 871-4RC, 871-5RC and 871-6RC

**Contract Award Pricing**

The following price lists, for Contractor facility and Customer facility, represent the labor categories and pricing for the Engineering related disciplines which WEI is able to provide under the SIN's awarded.

Contractor Facility Prices with IFF Included					
Labor Category	2011	2012	2013	2014	2015
Director	\$212.35	\$218.73	\$225.30	\$232.05	\$239.02
Senior Manager	\$148.65	\$153.11	\$157.71	\$162.44	\$167.31
Program Manager	\$107.02	\$110.24	\$113.55	\$116.95	\$120.46
Senior Engineer	\$133.85	\$137.87	\$142.00	\$146.26	\$150.65
Program Engineer	\$116.80	\$120.30	\$123.91	\$127.63	\$131.46
Product Engineer	\$95.56	\$98.43	\$101.38	\$104.42	\$107.55
Senior Test Engineer	\$127.42	\$131.24	\$135.18	\$139.23	\$143.41
Test Engineer	\$84.52	\$87.06	\$89.67	\$92.36	\$95.13
Senior Systems Engineer	\$127.42	\$131.24	\$135.18	\$139.23	\$143.41
Systems Engineer	\$106.18	\$109.37	\$112.65	\$116.03	\$119.51
Mechanical Engineer	\$93.44	\$96.24	\$99.13	\$102.10	\$105.17
Electrical Engineer	\$97.69	\$100.62	\$103.64	\$106.75	\$109.95
Senior Designer/CAD	\$67.96	\$69.99	\$72.09	\$74.25	\$76.48
Designer/CAD	\$63.71	\$65.62	\$67.59	\$69.62	\$71.70
Detailer/CAD*	\$59.46	\$61.25	\$63.09	\$64.98	\$66.93
Financial Analyst	\$118.92	\$122.49	\$126.17	\$129.95	\$133.85
Administrative Assistant*	\$53.09	\$54.68	\$56.32	\$58.01	\$59.75
Technical Writer*	\$63.71	\$65.62	\$67.59	\$69.62	\$71.70
Senior Technician*	\$82.82	\$85.31	\$87.87	\$90.50	\$93.22
Technician*	\$67.96	\$69.99	\$72.09	\$74.26	\$76.49
Electronics Technician*	\$72.20	\$74.37	\$76.60	\$78.90	\$81.27

Customer Facility Prices with IFF Included					
Labor Category	2011	2012	2013	2014	2015
Director	\$182.63	\$188.11	\$193.75	\$199.57	\$205.56
Senior Manager	\$127.84	\$131.68	\$135.63	\$139.70	\$143.89
Program Manager	\$92.05	\$94.81	\$97.65	\$100.58	\$103.60
Senior Engineer	\$115.12	\$118.57	\$122.13	\$125.79	\$129.57
Program Engineer	\$100.45	\$103.46	\$106.56	\$109.76	\$113.05
Product Engineer	\$82.18	\$84.65	\$87.19	\$89.81	\$92.50
Senior Test Engineer	\$109.58	\$112.87	\$116.25	\$119.74	\$123.33
Test Engineer	\$72.69	\$74.87	\$77.11	\$79.42	\$81.81
Senior Systems Engineer	\$109.58	\$112.87	\$116.25	\$119.74	\$123.33
Systems Engineer	\$91.32	\$94.06	\$96.88	\$99.78	\$102.78
Mechanical Engineer	\$80.36	\$82.77	\$85.25	\$87.81	\$90.44
Electrical Engineer	\$84.01	\$86.53	\$89.13	\$91.80	\$94.55
Senior Designer/CAD	\$58.44	\$60.20	\$62.00	\$63.86	\$65.78
Designer/CAD	\$54.79	\$56.43	\$58.13	\$59.87	\$61.67
Detailer/CAD*	\$51.14	\$52.67	\$54.25	\$55.88	\$57.56
Financial Analyst	\$102.27	\$105.34	\$108.50	\$111.75	\$115.11
Administrative Assistant*	\$45.66	\$47.03	\$48.44	\$49.89	\$51.39
Technical Writer*	\$54.79	\$56.43	\$58.13	\$59.87	\$61.67
Senior Technician*	\$71.23	\$73.36	\$75.56	\$77.83	\$80.17
Technician*	\$58.44	\$60.20	\$62.00	\$63.86	\$65.78
Electronics Technician*	\$62.09	\$63.96	\$65.88	\$67.85	\$69.89

The Service Contract Act (SCA) is applicable to this contract and it includes the SCA eligible labor categories. The prices for the cited SCA labor categories are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCA matrix below. The prices offered are based on the preponderance of where work is performed and should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly. Categories designated by an “\*”

<b>SCA Eligible Labor Category</b>	<b>SCA Equivalent Title</b>	<b>SCA Equivalent Code</b>	<b>Wage Determination Number</b>
Detailer/CAD	Drafter/CAD Operator	30061	05-2273
Administrative Assistant	Administrative Assistant	01020	05-2273
Technical Writer	Technical Writer I	30461	05-2273
Senior Technician	Engineering Technician IV	30084	05-2273
Technician	Engineering Technician II	30082	05-2273
Electronics Technician	Electronics Technician Maintenance I	23181	05-2273

**Labor Category Descriptions**

<b>Title</b>	<b>Education</b>	<b>Experience**</b>	<b>Duties</b>
Director	BS/MS/PhD Engineering, Science, Economics, or Business.	Over 10 years experience in direct Program Management of contracted workloads. Over 7 years of progressive technical and managerial experience with 5 years managing federal contracts.	Directs all engineering operations for a contract. Ensures that products are designed or re-designed to meet quality and technical objectives. Maintains economical and approved tools and methods. Recommends changes, reviews progress, and approves cost estimates or proposals.
Senior Manager	BS/MS Engineering, Science, Economics, or Business.	10 years experience in direct Program Management of contracted workloads. 7 years of progressive technical experience and 5 years managing federal contracts.	Manages all operations for specified contract objectives. Establishes schedules, selects staff, organizes teams, directs and controls personnel during the performance of the work according to the schedule.
Program Manager	BS Engineering, Science, Economics, or Business.	Over 5 years experience as a program manager leading engineering teams.	Manages or directs one or more programs, including supporting service organizations. The paramount qualification requirement is management and executive knowledge and ability, with no requirement for competence in a specialized subject matter or functional area. Positions must be classified to specialized occupations if their qualification requirements include subject-matter or functional competency; or require special certification such as the Defense Acquisition Workforce Improvement Act.
Senior Engineer	BS/MS/PhD Engineering.	Over 10 years experience in responsible engineering positions.	Provides on staff subject matter authority in select disciplines required by the contract. May be assigned to provide expert technical direction or support for specific projects or tasks. May also serve as top level engineering oversight authority for routine projects or uncomplicated tasks.
Program Engineer	BS/MS Engineering.	5 years experience managing engineering programs.	Provides technical direction at the program level in support of management objectives. Advises and directs staff engineers, technicians, designers, and test engineers on technical matters. Consults with subject matter experts, Senior Engineers, and Professional Engineers when needed.
Product Engineer	AS/BS Engineering.	3 years experience in product or project engineering.	Provides design assistance for moderately complex engineering assignments involving products, parts, and components. Completes work according to standard engineering principles and practices. May perform research to solve specific design problems.

Senior Test Engineer	BS/MS Engineering.	Over 10 years experience in several areas of lab and field testing for product development, research, manufacturing processes, regulatory compliance, durability, and function.	Responsible for developing and/or defining the processes and procedures for testing products, equipment, and materials to demonstrate compliance with governing regulations, requirements, and specifications.
Test Engineer	AS/BS Engineering.	3 to 5 years experience as a test engineer.	Conducts tests according to prescribed methods. Responsible for test scheduling, equipment and specimen acquisition, transport, and delivery, test completion, data collection, and result reporting.
Senior Systems Engineer	BS/MS/PhD Systems Engineering.	Over 10 years experience as a Systems Engineer.	Responsible for implementing and overseeing the distinctive set of concepts, methodologies, and organizational structures that have been developed to meet the challenges of engineering functional physical systems of unprecedented complexity.
Systems Engineer	BS/MS Engineering	5 years experience using system engineering tools and methods.	Responsible for using the distinctive set of concepts and methodologies that have been developed to meet the challenges of engineering functional physical systems of unprecedented complexity.
Mechanical Engineer	BS Engineering	5 years experience as a mechanical engineer in responsible positions.	Performs work requiring professional knowledge of mechanical engineering. Work typically requires application of thermodynamics, mechanics, and other physical, mathematical and engineering sciences to problems concerned with production, transmission, measurement, and use of energy, especially heat and mechanical power.
Electrical Engineer	BS Engineering	5 years experience as an electrical engineer in responsible positions.	Performs work requiring professional knowledge of electrical engineering including electrical phenomena; and principles, techniques, and practices of electrical engineering. Work involves electrical circuits, circuit elements, equipment, systems, and associated phenomena concerned with electrical energy for purposes such as motive power, heating, illumination, chemical processes, or the production of localized electric or magnetic fields. In general, electrical engineering is concerned with energy transport (power) in an efficient manner (low energy loss); whereas electronics engineering is concerned with information transport (communication) in an efficient manner (low distortion).
Senior Designer/CAD	AS/BS Design	5 to 7 years experience as a CAD Designer in an engineering environment.	The Senior Designer/CAD prepare sketches of ideas, detailed drawings, illustrations, artwork, 3-D Computer Models, and other documentation defining the design, materials, processes, specifications and

			<p>standards necessary for a complete description of the designed component, assembly, tool, manufacturing plant, or other complex construction. Direct and coordinate the fabrication of models or samples and the drafting of working drawings and specification sheets from sketches. Modify and refine designs, using working models, to conform to customer specifications, production limitations, or changes in design trends. Coordinate the look and function of product lines. Confer with engineering, marketing, production, or sales departments, or with customers, to establish and evaluate design concepts for manufactured products. Present designs and reports to customers or design committees for approval, and discuss need for modification. Evaluate feasibility of design ideas, based on factors such as appearance, safety, function, serviceability, budget, production costs/methods, and market characteristics. Read publications, attend showings, and study competing products and design styles and motifs to obtain perspective and generate design concepts. Research production specifications, costs, production materials and manufacturing methods, and provide cost estimates and itemized production requirements. Design graphic material for use as ornamentation, illustration, or advertising on manufactured materials and packaging or containers.</p>
<p>Designer/CAD</p>	<p>AS/High School Graduate</p>	<p>3 to 5 years experience as a CAD Designer in an engineering environment.</p>	<p>The Designer/CAD prepare sketches of ideas, detailed drawings, illustrations, artwork, 3-D Computer Models, and other documentation defining the design, materials, processes, specifications and standards necessary for a complete description of the designed component, assembly, tool, manufacturing plant, or other complex construction. Direct and coordinate the fabrication of models or samples and the drafting of working drawings and specification sheets from sketches. Modify and refine designs, using working models, to conform to customer specifications, production limitations, or changes in design trends. Coordinate the look and function of product lines. Works at the direction of and confers with Senior Designers and Engineers or with customers to establish and evaluate design concepts for manufactured products. Present designs and reports to customers or design committees for approval, and</p>

			<p>discuss need for modification. Evaluate feasibility of design ideas, based on factors such as appearance, safety, function, serviceability, budget, production costs/methods, and market characteristics. Read publications, attend showings, and study competing products and design styles and motifs to obtain perspective and generate design concepts. Research production specifications, costs, production materials and manufacturing methods, and provide cost estimates and itemized production requirements. Design graphic material for use as ornamentation, illustration, or advertising on manufactured materials and packaging or containers.</p>
Detailer/CAD*	AS/High School Graduate	2 years experience as a CAD Detailer in an engineering environment.	<p>The Detailer/CAD Operator performs drafting work manually or using a computer, requiring knowledge and skill in drafting methods, procedures, and techniques, prepares drawings of structures, facilities, land profiles, water systems, mechanical and electrical equipment, pipelines, duct systems, and similar equipment, systems, and assemblies. Drawings are used to communicate engineering ideas, design, and information. This operator uses recognized systems of symbols, legends, shadings, and lines having specific meanings in drawings.</p>
Financial Analyst	BS Accounting	Over 5 years experience as an accountant responsible for large scale programs of moderate complexity.	<p>Performs accounting work requiring application of a professional knowledge of accounting theories, concepts, principles, and standards to the financial activities of governmental, quasi- governmental, or private sector organizations. Designs, develops, operates, or inspects accounting systems; prescribes accounting standards, policies, and requirements; examines, analyzes, and interprets accounting data, records, and report; or advises or assists management on accounting and financial management matters. Determines boundaries of an accounting entity; recognizes and measures revenues; matches revenues and expenses by applying methodologies such as accrual accounting and depreciation; defines and measures costs by application of methodologies such as standard, process, job-order, and activity-based costing; and full disclosure on financial statements.</p>
Administrative Assistant*	High School Graduate	3 to 5 years experience as an administrative assistant in an engineering environment.	<p>Supports miscellaneous management services and program functions when no other established occupation is appropriate. Requires practical knowledge of the procedures and techniques involved</p>

			in carrying out the work of an organization and involves application of procedures and practices within the framework of established guidelines.
Technical Writer*	BS/BA English, Writing.	5 to 7 years experience writing technical documents.	Writes or edits technical materials, such as reports of research findings; scientific or technical articles, news releases, and periodicals; regulations in technical areas; technical manuals, specifications, brochures, and pamphlets; or speeches or scripts on scientific or technical subjects. Develops information and analyses to select and present information on the specialized subject in a form and at a level suitable for the intended audience.
Senior Technician*	AS Technology	10 years experience as an engineering technician.	Work requires practical knowledge of: (1) methods and techniques of engineering; and (2) construction, application, properties, operations, and limitations of engineering systems, processes, structures, machinery, devices, and materials.
Technician*	High School Graduate	5 years experience as an engineering technician.	Work requires practical knowledge of: (1) methods and techniques of engineering; and (2) construction, application, properties, operations, and limitations of engineering systems, processes, structures, machinery, devices, and materials. Work does not require professional knowledge, abilities, and training equivalent in type and scope to that of a professional curriculum leading to a bachelor's degree in engineering.
Electronics Technician*	AS Electronics Technology	3 to 5 years experience as an electronics technician.	Work requires knowledge of: techniques and theories of basic electricity and electronic theory, algebra, and elementary physics; engineering functions such as design, development, evaluation, testing, installation and maintenance of electronic equipment; and capabilities, limitations, operations, design characteristics, and functional use of a variety of types and models of electronic equipment and systems.