



GENERAL SERVICES ADMINISTRATION

FEDERAL SUPPLY SERVICE

AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST

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>.

Schedule Title: Facility Maintenance and Management Schedule (03FAC)
FSC Group, Part and Section: FSC Group H and J, Services Department
FSC Class: J035
Contract Number: GS-21F-0033U
Contract Period: February 04, 2008 through February 03, 2013
Modification PO-0001, Dated June 06, 2008

Contractor's Name:



Marcon Engineering, Inc.

Address:

400 N. Broadway
Escondido, CA 92025-2718

Telephone Number:

(760) 737-8440

Facsimile Number:

(760) 737-8461

E-mail:

Contracts@Marconeng.com

Web site:

www.marconeng.com

Contractor's Administrator:

Mary Beth Mazza
Contracts@Marconeng.com
(760) 737-8440

Business Size:

8(a), Small Business, Small Disadvantaged,
HUBZone Certified, Woman-Owned Business



(ii) CUSTOMER INFORMATION:

Information for Ordering Activities:

1a.	Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s): 811-002; 811-003, 003-97, and 800-1000. Awarded Prices are provided in the following section.
1b.	Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract: Not Applicable
1c.	Description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services: Job title, experience, functional responsibility, and education are provided in the following section.
2.	Maximum Order*: \$750,000.00 *If the “best value” selection places your order over the Maximum Order, identified in this catalog/price list, you have the opportunity to obtain a better schedule contract price. Before placing this order, contact the aforementioned contractor for a better price. The contractor may (1) offer a new price for the requirement (2) offer the lowest price available under this contract or (3) decline the order. A delivery order that exceeds the maximum order may be placed under the Schedule contract in accordance with FAR 8.404.
3.	Minimum Order: \$100.00
4.	Geographic coverage (delivery area): 48 Contiguous States, Alaska, Hawaii, Puerto Rico, Washington, DC, and Overseas
5.	Point(s) of production (city, county, and State or foreign country): Marcon Engineering, Inc. 400 N. Broadway Escondido, CA 92025
6.	Discount from list prices or statement of net price: 1% discount of Labor Category rates on Schedule Price List
7.	Quantity Discount: N/A
8.	Prompt Payment Terms: NET 30
9a.	Notification that Government purchase cards are accepted at or below the micro-purchase threshold: N/A
9b.	Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold: N/A
10.	Foreign items (list items by country of origin): None
11a.	Time of delivery. (Contractor insert number of days): 30-45 Days ARO
11b.	Expedited Delivery: N/A
11c.	Overnight and 2-day Delivery: N/A



11d. Urgent Requirements: N/A
12. FOB Point(s): Destination
13a. Ordering Address: Marcon Engineering, Inc. ATTN: Contracts@Marconeng.com 400 N. Broadway Escondido, CA 92025
13b. Ordering Procedures: Services will be provided in Federal Acquisition Regulation (FAR) 8.405-3
14. Payment Address(es): Marcon Engineering, Inc. ATTN: Accounts Receivable 400 N. Broadway Escondido, CA 92025
15. Warranty Provision: Standard Commercial Warranty
16. Export Packing Charges, if Applicable: N/A
17. Terms and Conditions of Government Purchase Card Acceptance (any thresholds above the micro-purchase level): N/A
18. Terms and Conditions of Rental, Maintenance, and Repair (if applicable): N/A
19. Terms and Conditions of Installation (if applicable): N/A
20. Terms and Conditions of Repair Parts indicating Date of Parts Price Lists and any Discounts from List Prices (if applicable): N/A
20a. Terms and Conditions for any Other Services (if applicable): N/A
21. List of Service and Distribution Points (if applicable): N/A
22. List of Participating Dealers (if applicable): N/A
23. Preventive Maintenance (if applicable): N/A
24a. Special Attributes such as Environmental Attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants): N/A
24b. Section 508 Compliance: N/A
25. Data Universal Number System (DUNS) Number: 03-1986925
26. Notification Regarding Registration in Central Contractor Registration (CCR) Database: Registration is Active and Current in CCR



Marcon Engineering Background

Marcon Engineering Inc. is a Women Owned Business Enterprise, certified by the City of San Diego, County of San Diego, State of California (CALTRANS), and the Small Business Administration (SBA) as an 8(a) certified and HUB-Zone contractor.

In 1991 Marcon's Chief Executive Officer and President, Maryory Contreras, founded M&B Professional Contractors, now known as Marcon Engineering, Inc (Marcon). Ms. Contreras is a civil engineer and has over twenty years of experience serving in both the private and public sectors in the civil and construction management industries. As a testament to her leadership and the successful direction that Ms. Contreras has paved for Marcon Engineering, the SBA nominated her for Woman of the Year in 2003.

Marcon Engineering provides comprehensive facilities maintenance, management, and civil engineering services for capital improvement projects. Our work encompasses industrial and commercial buildings with services offered to include management, operations, maintenance and repair to military, government, and commercial facilities. Capital improvement services include but are not limited to:

- Grounds Maintenance
- Heating, Ventilation and Air Conditioning (HVAC)
- Carpentry and Masonry
- Janitorial and Custodial
- Operations Management and Maintenance
- Other Maintenance Consultation and Training

Marcon's customers include the Federal Government, DoD agencies, county and local municipalities, and various commercial companies. Specifically, our corporate experience includes servicing the United States Navy, Army Corps of Engineers, Veteran's Administration, Bureau of Land Management, United States Coast Guard, Homeland Security, County of San Diego, and the City of Escondido, California.

After years of providing facilities management and maintenance service Marcon is aware of the value and importance of providing close, individualized attention to each project while working within the constraints of time and budget. We understand that a company's success rests clearly on the management, competence and expertise of their professional staff. The Marcon staff is able to provide the broad combination of skills and services necessary for today's complex projects.



Effective 02/01/2008. Price List for SINs 811-002, 811-003, 003-97, and 800-1000
Modification PO-0001 Dated June 06, 2008

LC	Labor Category	Year 1	Year 2	Year 3	Year 4	Year 5
1	Program Manager	\$135.28	\$138.66	\$142.13	\$145.68	\$149.32
2	Project Manager I	\$87.53	\$89.72	\$91.96	\$94.26	\$96.62
3	Quality Control Facility Manager	\$79.58	\$81.57	\$83.61	\$85.70	\$87.84
4	Estimator/Scheduler/Planner	\$60.48	\$61.99	\$63.54	\$65.13	\$66.76
5	Project Engineer	\$50.93	\$52.20	\$53.51	\$54.85	\$56.22
6	Office Administrator	\$44.56	\$45.68	\$46.82	\$47.99	\$49.19
7	Administrative Assistant	\$50.07	\$51.33	\$52.61	\$53.92	\$55.27
8	Janitor/Custodian	\$27.17	\$27.85	\$28.55	\$29.26	\$29.99
9	Carpenter	\$44.19	\$45.30	\$46.43	\$47.59	\$48.78
10	Electrician	\$57.32	\$58.76	\$60.22	\$61.73	\$63.27
11	General Laborer	\$28.94	\$29.66	\$30.40	\$31.16	\$31.94
12	Grounds Maintenance Technician	\$44.41	\$45.52	\$46.66	\$47.83	\$49.02
13	Equipment Operator	\$44.83	\$45.95	\$47.10	\$48.28	\$49.48
14	Painter	\$40.00	\$40.99	\$42.02	\$43.07	\$44.15
15	Plumber	\$52.14	\$53.44	\$54.78	\$56.14	\$57.55
16	Flooring Technician	\$31.25	\$32.03	\$32.83	\$33.65	\$34.49
17	Mechanic	\$36.67	\$37.59	\$38.53	\$39.49	\$40.48
18	Maintenance Trade Helper	\$27.44	\$28.12	\$28.82	\$29.55	\$30.28
19	Heating, Vent., & Air Conditioning Technician	\$43.91	\$45.01	\$46.13	\$47.29	\$48.47
20	Locksmith	\$38.20	\$39.15	\$40.13	\$41.14	\$42.17
21	Window Cleaner	\$29.04	\$29.77	\$30.51	\$31.27	\$32.06
22	Driver (Medium Truck)	\$30.85	\$31.62	\$32.41	\$33.22	\$34.05
23	Exterminator	\$32.59	\$33.41	\$34.24	\$35.10	\$35.98
24	Roofer	\$43.89	\$44.99	\$46.11	\$47.26	\$48.45
25	Tree Trimmer	\$33.79	\$34.64	\$35.50	\$36.39	\$37.30
26	Warehouseman	\$28.42	\$29.13	\$29.86	\$30.61	\$31.37
27	Refuse Collector	\$39.52	\$40.51	\$41.52	\$42.56	\$43.62
28	Billeting Manager	\$35.78	\$36.67	\$37.59	\$38.53	\$39.49
29	Environmental Technician	\$44.31	\$45.42	\$46.55	\$47.71	\$48.91
30	Drywall	\$39.62	\$40.61	\$41.62	\$42.66	\$43.73

****NOTES:**

- Other Direct Costs (ODCs) will be offered to the government at cost plus 8%;
- Award Task Orders over \$1M total value will be allowed an additional discount of 1% off labor pricing provided above; and
- An annual escalation factor of approximately 2.5% for out years reflects an offset to anticipated Cost-of-Living increases for staff and inflation. Categories subject to the Department of Labor's Fair Standard Labor Acts and are hourly rates based on a 40 hour work week. All hours worked over the standard 40 will be billed at a rate of 1.5 times (x) specified hourly rate.



Marcon Engineering Labor Categories:

Marcon Engineering offers only the personnel who meet or exceed the minimum qualification requirements stated in the Labor Category Descriptions provided herein. **Marcon Engineering’s** criterion for minimum experience substitution by educational degree is as follows:

Undergraduate:	Minimum of four (4) year additional relevant project and/or special trade experience may substitute for undergraduate degree
Graduate or Above:	Minimum of six (6) years additional and relevant project and/or special trade experience may substitute for graduate degree.

GSA and/or the ordering activities may have access to any **Marcon Engineering** employee resume (by request) before, during or after assignment of any GSA order. If for some extenuating reason a person assigned to an order must be replaced or substituted, the ordering entity will be notified in advance, in writing, and the substituting personnel will have equal or greater qualifications than specified in the labor category description of the departing employee.

Marcon Engineering adheres to local, state, and federal employment labor laws.

Categories that are considered exempt include personnel who have met the Department of Labor’s duties test in order to be classified as an executive, administrative, or professional employee under the Fair Labor Standards Act.

Categories that are considered non-exempt include employees that adhere to both Federal and State laws, and receive compensated overtime. All non-exempt employees must receive overtime pay for hours worked in excess of forty hours in a workweek of at least one and one-half times their regular rate of pay. Marcon understands that the FLSA does not require overtime pay for work on Saturdays, Sundays, holidays, or regular days of rest.

Labor Category Descriptions

<p>Labor Category #1: Program Manager</p> <p>Labor Category Description: Must be qualified in all aspects of program management and administration across the enterprise working with Government and industry leadership in various aspects of complete facilities maintenance and management, logistics, engineering, and/or technical management for assigned area. Current with technology areas assigned and practiced as an advisor on evolving advancements in technology and its intrinsic value to clients/stakeholders. Conversant in all applicable facilities related element in specific engineering, technical, or management discipline as it relates to the management of complete enterprise operations, program or specific facilities related functional area. The Program Manager will be experienced in most maintenance and management specific functions such as grounds, fire systems, facilities maintenance and management, utilities maintenance services, and HVAC services. Qualified to perform planning, organizing, executing, directing, and controlling of enterprise-wide operations including review and identification of contractual requirements, assignment of responsibilities within the enterprise, identification and coordination of the resources to conduct operations, and controlling work execution to ensure all</p>
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requirements are met and that all products and services delivered meet high standards of quality. Experienced in handling and directing administrative matters associated with enterprise-wide programs, individual projects or team efforts with proficiency in directing resources to accomplish contract objectives, including cost, schedule and technical performance. As a major quality assurance advocate, directs and controls the enterprise-wide Quality Management System.

Education and/or Experience: Undergraduate degree in engineering, science, administration, or management, or an equivalent combination of education and experience.

Labor Category #2: Project Manager

Labor Category Description: Must be experienced in managing people and resources, and offer relevant experience as a project or team manager of facilities maintenance and management services in varying degrees, from small-scale to broad-based projects or functional support efforts. Possesses specific knowledge and expertise in assigned facilities management and maintenance discipline(s) as it relates to project objectives and support requirements. May work in conjunction with other Project Managers or Program Managers. Management experience is required in identifying project finite work elements from Government conveyed requirements, setting up systematic management oversight controls, and bringing project efforts to completion within budget and schedule while achieving technical and quality objectives.

Education and/or Experience: Undergraduate degree is desirable in engineering, science, administration, or business, or an equivalent combination of education and experience. The degree of competency and depth of capability increases according to the minimum education and experience required for each level offered.

Labor Category #3: Quality Control Facility Manager

Experience/ Description: Has responsibility for all site activities and contractor site personnel. Has technical responsibility for assigned facilities management and maintenance activities. Assists in preparation or consults as needed on work orders for facility installations and preventive and scheduled maintenance. Participates in planning and performance as required for facility engineering. Implements RCM principles into all facility management and maintenance activities. Must be experienced in application of subject-matter knowledge and judgment to complete assignments consistent with performance standards and metrics. Selects from alternative methods for assessment and refers problems not immediately solvable using established guidelines, manuals, practices or procedures. Typical duties include: maintaining a wide variety of records; preparing and verifying statistical information and reports, and handling and resolving quality related problems and customer complaints.

Education and/or Experience: Undergraduate degree is desirable in facilities management or maintenance, or an equivalent combination of education and experience.

Labor Category #4: Estimator/Scheduler/Planner

Labor Category Description: Experienced in operating a service center and performs functions such as receives, records, and distributes work orders to service crews upon customers' requests for service. Records information and updates databases for maintenance repair, or service rendered or performed. This includes preventive and corrective maintenance related requirements. Prepares work order and distributes to service crew. Schedules service call and dispatches service crew. Calls or writes customer to ensure satisfactory performance of service. Keeps record of service calls and work orders. May dispatch orders and relay messages and instructions to mobile crews and other departments, using radio or telephone equipment. Gathers details and compiles data to estimate all production costs according to



specifications and jurisdictional requirements. Quantifies and considers the cost for all materials, labor, equipment, tools, labor and transportation for estimations.

Education and/or Experience: An undergraduate degree in applicable discipline or an equivalent combination of education and experience

Labor Category #5: Project Engineer

Labor Category Description: Must possess specific engineering experience in one or more engineering disciplines or specialized in a specific sub-discipline that is directly relevant to the specific work assigned. Engineering expertise at this level must have involved performing fundamental and progressive engineering assignments in at least one or more areas of planning engineering projects, engineering concept development, requirements analysis, system design, circuit design and analysis engineering and integration, test and evaluation, in-service engineering, and/or acquisition and life cycle management. The Project Engineer will be knowledgeable in techniques for performing and executing engineering related tasks and duties. Engineering tasks and duties may encompass efforts that include but are not limited to: requirements analysis; materials studies/analysis; system/component integration; interoperability; interconnectivity; structured analysis; testing methodologies; automation principles; test program set development; database structuring, modeling techniques; testability; supportability and logistics support; reliability and maintainability; human factors; safety engineering; environmental engineering; packaging; handling; transporting; facilities/building requirements; power/electrical distribution requirements analysis; cabling; piping; configuration management/product data management, refrigeration, heating, air conditioning, and ventilation, and test planning/testing.

Education and/or Experience: An undergraduate degree in applicable engineering discipline or related science or an equivalent combination of education and experience.

Labor Category #6: Office Administrator

Labor Category Description: Supervises office activities to achieve maximum expense control and productivity as it relates to facilities maintenance and management projects. Develop procedures and policies for project activities to include: obtaining and maintaining supplier quotes, scheduling on-site project deliveries; coordinate human capital resourcing and availability. Ensure applicable certifications are updated. Schedule safety training sessions as required. Attend on-site project meets. Prepare weekly and monthly deliverable reports. Relies on experience and judgment to plan and accomplish goals. Typically reports to a senior manager.

Education and/or Experience: An undergraduate degree in applicable discipline or an equivalent combination of education and experience

Labor Category #7: Administrative Assistant

Labor Category Description: Possesses general office and/or administrative skills generally supporting more complex operations performing administrative duties typically in an office environment for one or more program or project managers and, in some cases, in support of subordinate groups. Maintains a responsive relationship in performing day-to-day activities in support of program/project managers and subordinate groups. Works somewhat independently, receiving a minimum of detailed supervision and guidance. Performs varied administrative, clerical and secretarial duties requiring knowledge of office routine and an understanding of the organization, programs, projects and procedures related to the work of the office. Carries out recurring and non-recurring administrative tasks as required in support of overall program/project/group requirements.

Education and/or Experience: High school graduate or equivalent



Labor Category #8: Janitor/Custodian

Labor Category Description: Must be able to meet physical demands and have experience at performing general janitorial and/or custodian type duties. Must be able to perform more difficult janitorial and custodial services and duties may include but are not limited to: cleaning, scrubbing, mopping, vacuuming, carpet cleaning and extracting, hard floor cleaning, stripping, refinishing, and polishing, general sweeping, trash and debris removal, window washing, blind cleaning, bathroom sanitation, pressure washing, dusting, and cleaning of appliances and fixtures. Also may provide routine general housekeeping services involving maintaining and upkeep of the appearance and cleanliness of facilities from everyday use.

Education and/or Experience: High School diploma preferred. Requires a minimum of six months experience.

Labor Category #9: Carpenter

Labor Category Description: Performs duties necessary to maintain in good repair building woodwork and equipment such as shelves, counters, benches, partitions, doors, floors, stairs, casings, and trim made of wood. Work involves the ability to read from blueprints, drawings, models, or verbal instructions; able to use a variety of hand tools, portable power tools and standard measuring instruments; making standard shop computations relating to dimensions of work; and selecting materials necessary for the work. Knowledge of plasterboard applications or other wallboard to ceilings or interior walls of buildings. Able to build or repair with fasten wooden, metal, or rockboard lath to walls, ceilings or partitions of buildings, and seal joints between plasterboard or other wallboard to prepare wall surface for painting or papering. Understanding of other construction surfaces such as floors, sidewalks, roads, or curbs using a variety of hand and power tools. Align forms for sidewalks, curbs, or gutters; patch voids; use saws to cut expansion joints.

Education and/or Experience: Minimum of two years experience in direct or related field and ability to perform tasks efficiently and satisfactorily.

Labor Category #10: Electrician

Labor Category Description: Performs a variety of electrical trade functions such as the installation, maintenance, or repair of equipment for the generation, distribution, or utilization of electric energy. Work involves most of the following: Installing or repairing any of a variety of electrical equipment such as generators, transformers, switchboards, controllers, circuit breakers, motors, heating units, conduit systems, or other transmission equipment; working from blueprints, drawings, layouts, or other specifications; locating and diagnosing trouble in the electrical system or equipment; working standard computations relating to load requirements of wiring or electrical equipment; and using a variety of electrician's hand tools and measuring and testing instruments. In general, the work of the maintenance electrician requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience. Familiar with electrical code application and where appropriate, licensed as an electrical contractor.

Education and/or Experience: High School Graduate or equivalent, technical training, or equivalent relevant electrical experience.

Labor Category #11: General Laborer

Labor Category Description: Performs general tasks that require physical abilities and effort involving minor skills and limited prior work experience. The following tasks are typical of this occupation: loads and unloads trucks, and other conveyances; moves supplies and materials to proper



location by wheelbarrows or hand-trucks; stacks materials for storage or binning; collects refuse and salvageable materials. Digs, fills, and tamps earth excavations; levels ground using pick, shovel, tamper and rake; shovels concrete and snow; cleans culverts and ditches; cuts tree and brush; operates power lawnmowers. Moves and arranges heavy pieces of office and household furniture, equipment, and appliances; moves heavy pieces of automotive, medical engineering, and other types of machinery and equipment.

Education and/or Experience: High School Graduate preferred

Labor Category #12: Grounds Maintenance Technician

Labor Category Description: May work independently or under supervision. Maintains grounds of residential, industrial, commercial or public property such as yards, exterior buildings, campuses, picnic grounds, parks, playgrounds, greenhouses, greenbelts, flowerbeds, and athletic fields. May repair minor grounds structures and equipment, and perform installation, maintenance or repair to systems and equipment. Capable of providing more advanced skills in performance of maintenance related duties to grounds that include residential, industrial, commercial or public property such as yards, exterior buildings, campuses, picnic grounds, parks, playgrounds, greenhouses, greenbelts, flower beds, and athletic fields. May repair structures and equipment, and perform installation, maintenance or repair to systems and equipment. May be required to perform one or more functions such as: cutting, trimming, hedging, edging, planting, mulching, cultivating, aerating, pruning, clipping, fertilizing, shoveling, digging, rototilling, removing, replacing weeding, watering, etc. May be required to have experience in applying herbicide, insecticide, or other products and be familiar with environmental requirements. In some cases may be required to design, install, modify and activate landscapes including sprinkler systems, drip systems, waterfalls, rockscapes, and hardscapes. May be called upon to pickup, burn or cart away leaves, paper, debris or other litter. Repairs and paints fences, gates, benches, tables, guardrails, outbuildings and other structures. More advanced ground maintenance work will require assigned personnel in this category to be trained as an arborist.

Education and/or Experience: High School Graduate or equivalent. Minimum 6 months of experience in related field.

Labor Category #13: Equipment Operator

Labor Category Description: Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement. May repair and maintain equipment in addition to other duties. Drives gasoline or diesel powered tractor to move materials, draw implements, tow trailers, pull out objects embedded in ground, or pull cable of winch to raise, lower, or load heavy material or equipment. Fastens attachments such as graders, plows, rollers, mowers (over 2000 lbs), backhoes, seeders, and disc harrows to tractor. Adjusts equipment for proper operation. Lubricates and makes minor repairs to tractor and attachments such as tightening bolts, and replacing washers, cotter pins, and screws. Operate equipment used for applying concrete, asphalt, or other materials to roadbeds, parking lots, or airport runways and taxiways, or equipment used for tamping gravel, dirt, or other materials. Include concrete and asphalt paving machine operators, form tampers, tamping machine operators, and stone spreader operators. Operate pile drivers mounted on skids, barges, crawler treads, or locomotive cranes to drive pilings for retaining walls, bulkheads, and foundations of structures, such as buildings, bridges, and piers. Local/State license may be required.

Education and/or Experience: High School Diploma preferred. Minimum of two years experience in related field.



Labor Category #14: Painter

Labor Category Description: Must possess basis or advanced skills in painting, touch-ups and redecorating buildings, walls, woodwork and fixtures. Work involves the following: knowledge of surface peculiarities and types of paint and stain required for different applications; preparing surface for painting or staining by removing old finish, placing putty or filler in holes and gaps; sanding, chalking and applying paint or stain with appropriate application tool such as spray gun, roller, brush, sponge, or cloth. May be required to mix colors and other ingredients to obtain proper color, consistency and protection. Must be experienced in touch-up application including preparing surfaces, color matching and paint or stain application. In general, must be well rounded in painting and/or staining application from either technical training and/or experience acquired through a formal apprenticeship.

Education and/or Experience: High School Graduate or equivalent, and equivalent training and/or experience for type painting application.

Labor Category #15: Plumber

Labor Category Description: Experienced at one or more of the following: assembling, installing and repairing pipes, fittings and fixtures of heating, water, and drainage systems, boiler and high pressure piping, according to specifications and plumbing codes. Must be able to study building plans and working drawings to determine work required and sequence of installations. Must be proficient at performing periodic and corrective maintenance. Inspects structures to ascertain obstructions to be avoided to prevent weakening of structure resulting from installation of pipe. Locates and marks position of pipe and pipe connections and passage holes for pipes in walls and floors, using ruler, spirit level and plumb bob. Cuts openings in walls and floors to accommodate pipe and pipe fittings, using hand tools and power tools. Cuts and threads pipe, using pipe cutters, cutting torch, and pipe-threading machine. Bends pipe to required angle by use of pipe-bending machine or by placing pipe over block and bending it by hand. Assembles and installs valves, pipe fittings, and pipes composed of metals, such as iron, steel, brass and lead, and nonmetals, such as glass, vitrified clay, and plastic, using hand tools and power tools. Joins pipe by use of screws, bolts, fittings, solder, plastic solvent, and calks joints. Fills pipe system with water or air and reads pressure gauges to determine whether system is leaking. Installs and repairs plumbing fixtures, such as sinks, commodes, bathtubs, water heaters, hot water tanks, garbage disposal units, dishwashers, and water softeners. Repairs and maintains plumbing by replacing washers in leaky faucets, mending burst pipes, and opening clogged drains. May perform soldering or welding of holdings and fixtures including steel structural members. Experienced at installing or repairing water, steam, gas or other types of pipe and pipefittings. Work requirements may include one or more of the following: laying out work and measuring to locate position of pipe from drawings or other written specifications; cutting various sizes of pipe to correct lengths with chisel and hammer, oxyacetylene torch or pipe-cutting machines; threading pipe with stocks and dies, bending pipe by hand-driven or power-driven machines; assembling pipe with couplings and fastening pipe to hangers; making standard shop computations relating to pressures, flow and size of pipe required; and making standard tests to determine whether finished pipes meet specifications. May be responsible install and maintain high and low pressure piping to supply fire protection systems with water, foam, carbon dioxide and other fire suppression fluids/gases in real property.

Education and/or Experience: High School Graduate preferred, technical school or training is desirable.

Labor Category #16: Flooring Technician

Labor Category Description: Lay and install carpet from rolls or blocks on floors. Install padding



and trim flooring materials. Apply hard tile, marble, and wood tile to walls, floors, ceilings, and roof decks, and perform related maintenance and repairs. Apply blocks, strips, or sheets of shock-absorbing, sound-deadening, or decorative coverings to floors.

Education and/or Experience: Minimum of three years experience in related field.

Labor Category #17: Mechanic

Labor Category Description: Constructs, maintains, and tests mechanical equipment, machinery, and components. Identifies parts or machines that need new parts or need to be replaced and places orders as necessary. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager.

Education and/or Experience: High school diploma or its equivalent. May be required to complete an apprenticeship and/or formal training in area of specialty. May require two years of experience in the field or in a related area.

Labor Category #18: Maintenance Trade Helper

Labor Category Description: Assists one or more workers in the maintenance area assigned performing specific or general duties of lesser skill, such as keeping a worker supplied with materials and tools; cleaning working area, machine, and equipment; assisting journeyman by holding materials or tools; and performing other unskilled tasks as directed by journeyman. The kind of work the helper is permitted to perform varies from job assignment. In some work assignment areas the helper is confined to supplying, lifting, and holding materials and tools, and cleaning working areas; and in others areas the worker helper is permitted to some limited specialized machine operations, or parts of a particular trade that are also performed by workers.

Education and/or Experience: High School Graduate, equivalent trade school, or relevant work experience

Labor Category #19: HVAC Technician

Labor Category Description: Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install or repair heating, central air conditioning, mechanical control systems or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves. The primary purpose of the HVAC service technician is the installation and maintenance of large and small refrigeration and air conditioning systems and piping. Must have experience in operation and maintenance of HVAC systems that serve uninterruptible building or real estate operations. CFC Certification as required. Proficiency in diagnosing/troubleshooting HVAC systems and recommending the most economical and least impact overhaul and repair scheme. May require completion of safety courses.

Education and/or Experience: Minimum of three years of experience in unique technical skill applications in related field; Certification as required by related field High School Diploma and at least six (4) years experience as a journeyperson HVAC service technician.

Labor Category #20: Locksmith

Labor Category Description: Installs, repairs, modifies, and opens a variety of locking mechanisms found on doors, desks, compartments, mobile equipment, safes, and vaults. Examines locking mechanism and installs new unit or disassembles unit and replaces worn tumblers, springs, and other



parts or repairs them by filing, drilling, chiseling and grinding. Opens door locks by moving lockpick in cylinder or opens safe locks by listening to lock sounds or by drilling. Makes new or duplicate keys, using key cutting machine. Changes combination by inserting new or repaired tumblers into lock. Establishes keying systems for buildings.

Education and/or Experience: High School diploma preferred.

Labor Category #21: Window Cleaner

Labor Category Description: Cleans windows, glass partitions, mirrors, and other glass surfaces of building interior or exterior, using pail of soapy water or other cleaner, sponge, and squeegee. Crawls through window from inside and hooks safety belt to brackets for support; sets and climbs ladder to reach second or third story; uses bos'n chair, swing stage, or other scaffolding lowered from roof to reach outside windows; or stands to reach first floor or inside windows.

Education and/or Experience: High School diploma preferred.

Labor Category #22: Driver (Medium Truck)

Labor Category Description: Drives straight truck, 1 1/2 to 4 tons inclusive, usually 6 wheels vehicles.

Education and/or Experience: High School diploma preferred. Must possess a valid Class "A" license.

Labor Category #23: Exterminator

Labor Category Description: Sprays chemical solutions or toxic gases and sets mechanical traps to kill pests that infest buildings and surrounding areas. Fumigates rooms and buildings, using toxic gases. Sprays chemical solutions or dusts powders in rooms and work areas. Places poisonous paste or bait and mechanical traps where pests are present. May clean areas that harbor pests, using rakes, brooms, shovels, and mops preparatory to fumigating. May be required to hold State license.

Education and/or Experience: High School diploma preferred with a minimum of two years related experience.

Labor Category #24: Roofer

Labor Category Description: Covers roofs with roofing materials, such as composition shingles or sheets, wood shingles, or asphalt and gravel, to waterproof roof. Familiar with standard concepts, practices, and procedures within a particular field. Relies on limited experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision. A certain degree of creativity and latitude is required. Typically reports to a supervisor/manager.

Education and/or Experience: High School diploma preferred with a minimum of two years related experience.

Labor Category #25: Tree Trimmer

Labor Category Description: Cut away dead or excess branches from trees or shrubs to maintain right-of-way for roads, sidewalks, or utilities, or to improve appearance, health, and value of tree. Prune or treat trees or shrubs using handsaws, pruning hooks, sheers, and clippers. May use truck-mounted lifts and power pruners. May fill cavities in trees to promote healing and prevent deterioration.

Education and/or Experience: High School diploma preferred with a minimum of two years related



experience.
<p>Labor Category #26: Warehouseman</p> <p>Labor Category Description: As directed, performs a variety of warehousing duties that require an understanding of the establishment's storage plan. Work involves most of the following: Verifying materials (or merchandise) against receiving documents, noting and reporting discrepancies and obvious damages; routing materials to prescribed storage locations; storing, stacking, or palletizing materials in accordance with prescribed storage methods; rearranging and taking inventory of stored materials; examining stored materials and reporting deterioration and damage; removing material from storage and preparing it for shipment. May operate hand or power trucks in performing warehousing duties. Exclude workers whose primary duties involve shipping and receiving work, order filling, or operating forklifts.</p> <p>Education and/or Experience: High School diploma preferred with a minimum of two years related experience.</p>
<p>Labor Category #27: Refuse Collector</p> <p>Labor Category Description: Picks up garbage, trash, or refuse from homes and businesses and other locations, and deposits it in a truck.</p> <p>Education and/or Experience: High School diploma preferred with a minimum of six months related experience.</p>
<p>Labor Category #28: Billeting Manager</p> <p>Labor Category Description: Supervises, leads or performs various duties related to managing family quarter projects, billeting facilities, or other accommodations such as transient or permanent individual and family living quarters, dormitory facilities and restricted occupancy buildings. Evaluate housing management programs and develop administrative procedures in addition to providing technical assistance to onsite housing managers. Possess a variety of housing management and administrative knowledge in operations and maintenance, procurement of services, cost management, financial planning, assignments and utilization, occupancy changes and periodic inspections. Conducts special requirement surveys and assess facilities management and maintenance improvements. Understands furnishing control, master planning, policy setting, and management-tenant relations.</p> <p>Education and/or Experience: Associates degree in Business Administration, or Management, or related field.</p>
<p>Labor Category #29: Environmental Technician</p> <p>Labor Category Description: Conducts tests and field investigations to obtain data for use by environmental, engineering, and scientific personnel in determining sources and methods of controlling pollutants in air, water, and soil, using knowledge of agriculture, chemistry, meteorology, and engineering principles and applied technologies. Conducts chemical and physical laboratory and field tests according to prescribed standards to determine characteristics or composition of solid, liquid, or gaseous materials and substances, using pH meter, chemicals, autoclaves, centrifuge spectrophotometer, microscope, analytical instrumentation, and chemical laboratory equipment. Collects samples of gases from smokestacks, and collects other air samples and meteorological data to assist in evaluation of atmospheric pollutants. Collects water samples from streams and lakes, or raw, semiprocessed or processed water, industrial wastewater, or water from other sources to assess pollution problem. Collects soil, silt, or mud to determine chemical composition and nature of pollutants. Prepares sample for testing, records data, and prepares summaries and charts for review.</p>



Sets monitoring equipment to provide flow of information. Installs, operates, and performs routine maintenance on gas and fluid flow systems, chemical reaction systems, mechanical equipment, and other test instrumentation. May operate fixed or mobile monitoring or data collection station. May conduct bacteriological or other tests related to research in environmental or pollution control activity. May collect and analyze engine exhaust emissions to determine type and amount of pollutants. May specialize in one phase or type of environmental pollution or protection and be identified according to specialty.

Education and/or Experience: High School diploma preferred with a minimum of two year related experience.

Labor Category #30: Drywaller

Labor Category Description: Apply plasterboard or other wallboard to ceilings or interior walls of buildings. Apply or mount acoustical tiles or blocks, strips, or sheets of shock-absorbing materials to ceilings and walls of buildings to reduce or reflect sound. Materials may be of decorative quality. Includes lathers that fasten wooden, metal, or rockboard lath to walls, ceilings or partitions of buildings to provide support base for plaster, fire-proofing, or acoustical material.

Education and/or Experience: High School diploma preferred with a minimum of two year related experience.