

SPECIFICATION for a  
**Code 830 Storage Carousel**  
(Project # 785-830)  
11 Aug 2016

The contractor shall notify all employees working in the area that Hazardous Energy Control work will be performed.

Contractor personnel shall ensure Hazardous Energy Control training is current and complies with 29 CFR 1915.89.

Equipment provided by the contractor shall provide energy isolating devices (e.g. safety switches valves, etc.) to protect personnel from Hazardous energy. These energy isolating devices shall be designed and manufactured such that they can be locked to prevent inadvertent operation or unauthorized change. The contractor shall ensure all energy isolating devices installed or modified are capable of being locked. To include, but is not limited to, manual, mechanical and electrical devices.

Contractor personnel are required to know and understand all energy sources associated with their work, the means to control these sources of energy and to render the system inoperative before work can begin.

Government organizations representatives shall ensure adherence to the "Organizations that issues contracts" section located in OSHE Control Manual Chapter 250 Hazardous Energy Control.

Government representatives shall also make certain all contractors understand "Contractors and other Non-Shipyard Government Organizations Shall" section of the OSHE Control Manual Chapter 250 Hazardous Energy Control.

Contractor personnel are also required to know the Hazardous Energy Control policy that PSNS & IMF employees are working to.

**g. Audible Noise Levels**

The peak audible noise emitted by the equipment being installed by the contractor shall not exceed 84 decibels at the operators work position, nor at any other point at a distance of three feet from the equipment, as measured on the "A" weighed scale of a standard sound level meter under all operating and service conditions.

**h. Accident Reporting**

The contractor shall submit to the Contracting Officer, using the cognizant regulatory agencies prescribed forms, exposure data and all accidents resulting in death, trauma, or occupational disease. Accident reports shall be submitted within 24 hours of their occurrence.

The contractor shall submit to the Contracting Officer a full report of damage to Government property or equipment by Contractor employees. Damage reports shall be submitted within 24 hours of the occurrence.

**i. Emergency Medical Care**

Only emergency medical care is available in Government facilities to contractor employees who suffer on-the-job injury or disease. Care will be rendered at the rates in effect at the time of treatment. Reimbursement shall be made by the contractor to the Naval Regional Medical Center Collection Agent upon receipt of statement.

**j. Fire Protection**

The contractor and his employees shall know where the fire alarms are located and how to turn them on. The contractor shall handle and store all combustible supplies, materials, waste, and trash in a manner that prevents fire or hazards to persons, facilities, and materials. Contractor employees operating critical equipment shall be trained to properly respond during a fire alarm or fire.

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- \* List of all tests performed and by whom witnessed.
- \* List of data used for evaluation.
- \* Tabulation of all discrepancies related to specification performance requirements.
- \* Description of limitations revealed by data utilized.
- \* Actions taken to mitigate each discrepancy and limitation.
- \* Recommendations for subsequent actions.
- \* Summary conclusions.
- \* Manufacturer Certification that equipment has been manufactured and installed in compliance with OSHA CFR 1910.399 (per definition of "acceptable").

The contractor shall ensure all hazardous material (e.g. hydraulic oil, lubricants, grease, ink, paint, etc.) that is delivered with the equipment, is properly labeled and a Material Safety Data Sheet (MSDS) for each hazardous material is provided, as outlined in OSHA paragraph 1910.1200. MSDS(s) shall be delivered to the Receiving Activity Point of Contract/Surveillance Officer (who will deliver the MSDS(s) to the appropriate Hazardous Material Coordinator for addition of the material to the shop Authorized Use List, and possibly have the material labeled (by the government) with a Hazardous Material barcode).

**c. PCB Certification**

Provide written certification from the manufacturer that any new equipment provided by this contract contains no detectable PCBs (less than two (2) parts per million (ppm)). The certification shall be on the manufacturer's letterhead and signed by a company official who is empowered to provide same. **PCB Label Plate** – A label plate containing the PCB Certification information shall be permanently affixed to the equipment in the vicinity of the manufacturer's identification plate. The certification label shall be engraved or etched on wear and corrosion resistant material.

**d. Safety Equipment**

During the performance of work under this contract, all contractor personnel shall have in their possession and shall properly wear OSHA approved personnel protective safety equipment (i.e. hard-hats, steel-toe safety shoes, safety glasses and hearing protection).

The Contractor shall provide all appropriate safety barricades, signs, and signal lights.

**e. Safety Inspections**

The contractor's workspace may be inspected periodically for compliance with OSHA Standards.

Abatement of violations will be the responsibility of the contractor and/or the Government as determined by the Contracting Officer.

The Contractor shall provide assistance to the Safety Office escort and the federal OSHA inspector if a complaint is filed. Fines levied on the Contractor by federal OSHA offices due to safety/health violations shall be paid promptly by the Contractor.

**f. Energy Control**

Prior to commencement of ashore work, the contractor shall provide their 29 CFR 1915.89 compliant program/procedures to the Government's Representative. The contractor is required to meet with the Government's Representative and all affected Lockout-Tags-Plus Coordinators to discuss and coordinate lockout/tags-plus interfacing and work requirements.

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ENCLOSURE 1

**SAFETY REQUIREMENTS FOR THE PUGET SOUND NAVAL SHIPYARD AND INTERMEDIATE  
MAINTENANCE FACILITY, BANGOR SITE**

**SCOPE**

These specifications provide safety information and procedures required for any work performed at Puget Sound Naval Shipyard and Intermediate Maintenance Facility (PSNS & IMF), Bangor Site. This does not include additional safety requirements from Naval Base Kitsap at Bangor which is the host activity at Bangor.

**APPLICABLE DOCUMENTS**

The following documents form a part of this specification. Unless otherwise indicated, the issue in effect on the date of a request for proposals or request for quotes shall apply.

**National Fire Protection Association (NFPA)**

NFPA 54	National Fuel Gas Code
NFPA 70	National Electric Code
NFPA 79	Electrical Standards for Industrial Equipment

**Code Of Federal Regulations**

29 CFR 1910	Occupational Safety and Health Standards
29 CFR 1915	Occupational Safety and Health Standards for Shipyard Employment
29 CFR 1926	Safety and Health Regulations for Construction

(Application for copies should be addressed to Superintendent of Documents, Government Printing Office, Washington, DC 20402)

**Washington State Administration Code (WAC)**

WAC 173-60	Maximum Environmental Noise Levels
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**I. GENERAL REQUIREMENTS**

- a. All documentation/correspondence and/or communication specified in these specifications shall be submitted to the Contracting Officer or their designated Government Representative.
- b. **Mutual Understanding Meeting. Prior to commencing work:** The Contractor shall meet in conference with the Contracting Officer, and other necessary Government personnel to discuss and develop mutual understandings regarding administration of the Safety Program, methods and schedules, security, and any other subject necessary for a smooth and successful operation.
- c. **Environmental & Safety Compliance, General Awareness Training, and Regulatory Interface**
  1. Contractors working at the PSNS & IMF are required to perform their work in compliance with all Federal, State, and local regulations pertaining to the environment at all times.
  2. The contractor is responsible for complying with the safety regulatory notices or orders, including payment of any fines attributable to the contractor's conduct, regardless of whether or not the contractor is the name recipient of the notice, order, or fine.

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anticipated work date. In no event shall a Contractor carry on work outside the hours and days specified in the contract without prior approval.

6.3.3 **Restricted Colors** - PSNS & IMF, Bangor Site uses the colors magenta and yellow to identify specially controlled materials. The Contractor is specifically prohibited from using magenta and yellow colored plastic wrapping materials or bags, tape, or other covering materials.

6.3.4 **Radio Restrictions** - Operation of privately owned citizens band or amateur radio equipment (receive and transmit) within the geographic limits of the activity is prohibited. All radio equipment installed in privately owned motor vehicles must be turned off upon entering the premises.

6.3.5 **Contractor Electronic Devices** - Use of such devices, including cell phones, and computers shall not be capable of photography or digital recording by contractor personnel at PSNS & IMF, Bangor Site is restricted. This includes personally owned Portable Electronic Devices (PEDs) that are used for storing data, including but not limited to removable storage devices (e.g. memory sticks, rewritable CDs and DVDs, Zip and floppy disks). Contractors requiring such devices in the performance of this contract shall have the equipment inspected and approved by the PSNS & IMF Information Assurance office, located in Bremerton, WA. If this equipment is needed, it must comply with the photography regulations. Please contact Aaron Young at 360-315-5112, aaron.c.young@navy.mil to make a request. Please allow 5 business days for appointments with PSNS & IMF cyber security to be made.

6.3.6 **Photography/Recording** - Contractor personnel are prohibited from having personal reproduction equipment of any kind, including but not limited to photocopying, copying, and/or recording devices. This includes photographic equipment, tape recorders, or other recording devices in their possession while inside the Operations Area (OA). Contractors requiring the use of photographic equipment in PSNS & IMF, Bangor Site spaces must request authorization through the IMF security office. Please contact Aaron Young at 360-315-5112, aaron.c.young@navy.mil to make a request.

6.3.7 **Prohibited Items** - The items listed below are prohibited (and includes any other item, which the possession of is prohibited by Federal, State or municipal law, Department of Defense or Department of Navy instruction directive or policy).

6.3.7.1 Weapons or other dangerous materials of any kind, including but not limited to firearms, ammunition, knives (blades longer than 3-inches), explosives, incendiaries, personal defense aerosols/sprays.

6.3.7.2 Alcoholic Beverages of any kind and illegal to include marijuana.

## 7 **PERSONAL HEALTH AND SAFETY**

7.1 The Contractor shall provide their employees with all necessary safety equipment during the performance of work on this contract, and ensure their employees follow safe work practices. All contractor personnel shall have in their possession and shall properly wear OSHA approved personal protective safety equipment (i.e. hard-hats, steel-toe safety shoes, safety glasses and hearing protection). The Contractor shall provide all appropriate safety barricades, signs, and signal lights required to properly isolate the area of work.

7.2 All Contractors shall clearly identify themselves as contractor personnel.

7.3 **Medical Treatment.** Government emergency vehicles and medical personnel shall only be used in emergency situations affecting contractor personnel whose life may be in danger or who are seriously injured. Government facilities may be used in these instances as the first point of treatment. Transfer to a non-Government medical treatment facility shall be made as soon as possible and as determined by attending medical authorities.

## 8 **WORK SITE INFORMATION**

8.1 **Regular Working Hours/Shifts.** Regular working hours is normally 8 hours (0630-1500), with a 30-minute lunch break, Monday through Friday. Working hour variations may be requested by contractor personnel, and approved by the Receiving Activity Point of Contact.

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4.6 **FINAL ACCEPTANCE** - Final acceptance shall be upon satisfactory completion of installation, inspection and testing of the system (as outlined in this specification).

5 **DELIVERY**

5.1 It is required that all goods and services provided by this solicitation be delivered prior to 120 days of contract award.

5.2 The Surveillance Officer shall be notified no less than 48 hours prior to the arrival at the site of the specified equipment and/or contractor personnel.

5.3 Material transportation from the manufacturer's facility to the work site shall be the responsibility of the contractor. Limited secured storage areas at the facility will not permit the Government to store material for extended periods of time. Early shipment of materials, without the permission of the receiving activity shall be refused.

5.4 **Packing Material** - The use of shredded paper, whether newspaper, office scrap, computer sheets, or wax paper, in packing material for shipment to Navy activities, is prohibited.

5.5 It is the Government's intent that the Contractor delivers a fully operational and functional system meeting the requirements stated herein prior to acceptance by the receiving activity and final payment by the government. Delivery of this system shall occur when all deliverable items of this contract have been received, installed and made operational **and** the contractor has demonstrated and the receiving activity has confirmed that the system meets or exceeds the requirements set forth in this specification and is ready for Government use.

6 **GENERAL NOTES**

6.1 **RESPONSE TO REQUEST** - As a part of the response to this request, descriptive literature (in accordance with FAR 52.214-21) shall be furnished in sufficient detail to show that the proposed design will meet these specifications. Vendor submittals shall include brochures of the model being submitted, assembly sketches with critical dimensions, sketches (with dimensions) of all tooling provided, statements of compliance with specification, and performance statements with special attention to the key performance criteria stated herein.

6.2 **ADMITTANCE TO THE WORK SITE:**

6.2.1 Upon contract award, employees or representatives of the Contractor (including sub-contractors) who may require access to the Receiving Activity's facility and shall be admitted to the work site only after they have been issued a security pass/ID badge.

6.2.2 Contractor personnel requiring access inside of PSNS & IMF, Bangor Site facilities shall complete and submit a "Foreign Ownership, Influence or Control (FOCI) Questionnaire". The contractor can receive a blank copy of the questionnaire from, and then submit the completed questionnaire to PSNS & IMF Security Assistant, Larry Schofield; [larry.schofield@navy.mil](mailto:larry.schofield@navy.mil). FOCI Questionnaires must be sent a of minimum (5) business days before arrival.

6.2.3 Contractor personnel visiting for less than five days (including one-day visits), shall contact the Receiving Activity Point of Contact to schedule a visit(s), and shall provide the following information:

- \* Full Legal Name
- \* US Citizen (Yes/No)
- \* Company Name

6.2.4 Contractor personnel visiting for five or more days shall request security badge requests through the on-line Base Authorization and Visit Request (BAVR) computer system. Go on line to "<https://www.bavr.cnmc.navy.mil/>", and submit a request for a badge, a minimum of five business days prior to arrival. The "Command you are visiting" is: NAVJMFAC. The "Sponsor E-Mail" for an on-line badge should be: [larry.schofield@navy.mil](mailto:larry.schofield@navy.mil) (Larry Schofield, 360-315-1187). In the "Purpose of Visit" box, please add the person and the building you are visiting. If the BAVR computer system doesn't work, all visiting personnel shall contact the Receiving Activity Point of Contact to schedule a visit(s), and shall provide the following information:

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the specified equipment). The Contractor shall be responsible for any costs incurred in connecting, converting and transferring the utilities to the work site.

3.10.3 **Storage** - Lay-down area will be provided within the vicinity of installation site for storage of Contractor materials and tools. The Government does not accept responsibility for security of Contractor's materials or tools. The area must be kept clean and orderly, free of rags, paper and other debris. Failure to maintain area in a clean condition may result in the loss of the area. The Contractor shall be responsible to restore the storage area to original condition after use.

3.10.4 **Disposal Of Waste** - Puget Sound Naval Shipyard and Intermediate Maintenance Facility is the owner of all waste (hazardous or otherwise) generated within its facilities. This includes waste generated by contractor personnel while working at Puget Sound Naval Shipyard and Intermediate Maintenance Facility. All waste generated by this contract shall be turned over to the activity for disposal prior to the end of the work shift.

3.11 **ON-SITE PERSONNEL TRAINING SERVICES TO BE PROVIDED** - Within five (5) working days after satisfactory completion of acceptance testing of the system, the services of a qualified representative(s) shall be provided for specialized training to familiarize receiving activity personnel with the equipment and to help ensure reliable performance and maximum service life, during normal usage. All training shall be provided by a factory authorized distributor. Training services shall be rendered at Puget Sound Naval Shipyard and Intermediate Maintenance, Bangor Site Facility. Training shall be scheduled by mutual agreement between the Contractor and the Receiving Activity Point of Contact. Two (2) weeks prior to the start of any training, the contractor shall provide a course outline for government review and comment. Training sessions shall be provided separately for each group/type of government personnel. The contractor shall provide all training manuals and guides. The government shall provide classroom space in close proximity to the equipment/shop (if needed). The entire contractor cost of providing the training (including travel, per diem, etc.) shall be covered by this contract. The training shall apply to personnel as follows:

3.11.1 **Operator Personnel** - Training shall be provided for personnel for a total period of 20 hours, minimum. This training shall include preparation of equipment for operation and actual, safe operation of the equipment. This shall include training/assistance on setting-up a database, downloading parts and training end users on the controller

3.11.2 **Maintenance Personnel (Mechanical/Pneumatic)** - Training shall be provided for personnel at a journeyman mechanic level for a period of 1 hour minimum. This training shall include trouble-shooting and methods of correction if the equipment malfunctions, with particular emphasis on minimizing equipment down time.

3.11.3 **Maintenance Personnel (Electrical/Electronic)** - Training shall be provided for personnel at a journeyman mechanic level for a period of 1 hour minimum. This training, with respect to equipment/controls/drives/interface units and related components, shall include trouble-shooting and methods of correction should equipment malfunction, with emphasis on minimizing equipment down time

3.12 **TECHNICAL DATA TO BE PROVIDED**

3.12.1 **Operator / Maintenance / Repair Manuals** - The equipment shall be furnished with three (3) hard copies of the manufacturer's standard Operation, Maintenance, and Repair Manual(s), bound in durable three ring binder(s). The manuals shall include all mechanical and electrical schematics showing discrete components/block diagrams/wiring diagrams with inputs and outputs identified/system electrical interface documents and drawings for the specific model of all machine equipment/drives/controls supplied. The information contained in the manual(s) shall reflect the unit and its components in the "as built" configuration. The information contained in the manual(s) shall be adequate to permit trouble shooting and repair of the equipment by journeymen level personnel. The information contained in the manual(s) shall be in the English language. The information contained in the manual(s) shall be in imperial units of measure. If a Programmable Logic Controller (PLC) is used, documentation for the PLC shall be provided and include media and instructions for restoring/replacing the stored program in the event of battery backup failure. One (1) CD backup copy of the PLC automatic program shall be included. Appropriate software shall be provided in CD/DVD format to allow Government maintenance personnel to address, maintain, and adjust the PLC as needed for investigation of equipment malfunction.

3.12.2 **OSHA Compliance Report** - As outlined in paragraph 2.2 and Enclosure 1, Safety Requirements For The Puget Sound Naval Shipyard And Intermediate Maintenance Facility (PSNS & IMF), Bangor Site

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maximum structural integrity and load carrying. This feature also insures that the carousel can only be installed plumb thereby reducing the wear and tear that internal moving parts can experience if not plumb to each other.

3.7.12 The carousel shall have continuous guide tracks welded in place at the factory to assure proper cycling of the carriers yielding maximum uptime and eliminating the need for costly track adjustments.

3.7.13 Drive chains shall be installed and pre-tensioned at the factory. No field adjustment shall be required following installation ever

3.7.14 The carousel must use sealed self-lubricating bearings ensuring longer life and less maintenance.

3.7.15 The carousel shall have split, locking doors with upper and lower full length piano hinge style safety touch thresholds to ensure article security and operator safety. The threshold shall break away from the rotating carriers creating a safety gap (no pinch point in case of safety failure) for protecting personnel and stored items from any risk by bringing the carousel to an immediate stop.

3.7.16 The carousel must have a 25% Imbalance Drive Capacity to allow for maximum imbalance while still rotating.

3.7.17 Self-monitoring LVS light curtain shall be installed at the operator access opening. This shall provide safety features that protect the operator from injury when the carriers are moving. This feature shall immediately stop the carriers from moving, when an operator's hand/arm is in danger of injury

3.7.18 Lockable sliding door(s), with two keys shall be provided (so stored parts can be secured).

3.7.19 An emergency stop button shall be provided at the operator's station that is of the mushroom type and colored red.

3.7.20 An operator lighting system shall be provided (i.e. full width LED energy saving, overhead lighting)

3.7.21 Quality and durable construction of all system components. System structural components shall be rigid and stable.

3.7.22 Operations Journal Logging – which shall allow for tracking each transaction (storage to a new location, storage to an existing location, retrieval, retrieval with deletion of a bin, cancelled part request and manual shelf call) by time, date and storage location affected. This is accessible via the integrated web interface and can be exported to other programs.

3.7.23 Item Pool Management – which shall allow descriptive data and reorder points to be electronically sent to the unit, rather than having to type this information at the controller. Also allows for storage of this data without having a storage location assigned within the unit.

3.7.24 Access Code Management – with magnetic locking doors– which shall provide username/password functionality with the ability to control shelf access to specific users. The system will only rotate when the doors are closed.

3.7.25 Manual open/close magnetic locking doors which shall not allow the door to be opened unless a correct password is entered.

3.7.26 Each carousel shall provide a position and depth bar, which shall have an LED Light Bar with 8 Position and depth indicators approximately every 6" across access opening.

3.7.26 The contractor shall provide a stand-alone desktop computer and printer that shall allow an operator to conduct searches on the housed inventory and create printed reports of transactions that show date and time, quantities transacted as well as knowledge of the operator who conducted these transactions. The computer shall be an "all in one" desktop, with a keyboard and mouse; with minimal features that can properly operate the vertical storage carousel. A black & white laser printer shall be provided.

3.8 The equipment shall be Nationally Recognized Testing Laboratory (NRTL) inspected and certified (by an OSHA authorized third party). An NRTL certification report shall be provided. If the equipment type/model has already been NRTL inspected and certified, a certification report or documentation mounted on the equipment (which acknowledges it is NRTL certified) shall be provided.

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excess capacity shall be provided as part of the equipment. Any proposed compressed air system shall include a regulator(s) and a filter(s) with an automatic drain.

**3.6 GENERAL EQUIPMENT REQUIREMENTS:**

**3.6.1 Standard, Off The Shelf Components** - All materials and parts comprising the system shall be new, of current design and manufacture, and shall not have been in prior service except as required for factory testing. Standard, off the shelf components with proven reliability shall be used wherever possible to increase performance reliability and reduce costs. The system components shall be one of the manufacturer's current production models which, on the day this solicitation is issued, has been designed, engineered and sold, or is being offered for sale through advertisements or manufacturer's published catalogs or brochures. System components such as a prototype unit, pre-production model, or experimental unit DO NOT qualify as meeting this requirement. The system shall be complete, so that when connected to the utilities identified herein, it can be used for the function for which it is designed and constructed.

**3.6.2 Painting** - All surfaces shall be painted in conformance with the manufacturer's standard practices and good workmanship. Painting shall result in a highly wear-resistant finish, which guarantees continued protection to the surfaces covered against the specified environment under all service conditions. The manufacturer's standard color shall be provided. **Lead base or chromium base paints are prohibited.**

**3.6.3 Caution - Warning Plates** - Corrosion resistant "Caution" or "Warning" plates shall be securely attached to system components in visible locations, with any safety precautions to be observed by the operator or maintenance personnel permanently marked on the plates.

**3.6.4 Identification Plate** - An identification plate shall be furnished with the system. A nameplate shall be affixed to each major component of the system showing the manufacturer's name, equipment model, year of manufacture, and any other pertinent information for identifying the part as a unique component of the system.

**3.6.5 Emergency Stop Button** - The equipment specified herein shall each be provided with an emergency stop button at the operator's station. Replace the existing emergency stop button. This stop button shall be the mushroom type, shall be colored red, and shall be labeled as such. When activated, the emergency stop button shall disconnect all electrical power to the equipment such that the all operations or functions will immediately stop or cease. If the machine utilizes a Programmable Logic Controller (PLC), a "pad lockable" emergency stop button shall be installed (instead of a regular emergency stop button).

**3.6.6 All Electrical Components** including motors, starters, relays, switches, and wiring shall conform to and be located in accordance with the applicable NFPA, NEMA, and ANSI standards for the intended application.

**3.6.6.1 Motors** - Motors (if required) shall be rated for continuous duty. Motors shall be equipped with ball bearings of the sealed and permanently lubricated type. All electrical motors shall meet NEMA-MG1 requirements.

**3.7 EQUIPMENT TO BE PROVIDED - One (1) Vertical Storage Carousel** (Hanel Storage Systems, Model #400-7600/115/327/280, or equal) to include the following minimum (or equal) features (all dimensions shall be +/- 2"):

**3.7.1** All sides of the Carousel shall be enclosed including bottom, and powder coated in light grey (or similar color). The maximum exterior dimensions are 103" high x 129" wide x 46" deep, plus an approximate 12" wide worktable.

**3.7.2** The carousel shall hold thirteen (13) carriers with the following configuration:

**3.7.2.1** Nine (9) carriers shall have two full length telescopic drawers in a 4 x 4 to back filing row configuration (total of 8 rows), that shall store a total of 1,090 linear filing inches. Each filing row shall approximately 16" deep x 13" wide x 10" high. Each row shall have a filing compressor.

**3.7.2.2** Two (2) open lateral carriers shall open with an approximate .6" front lip and an approximate 10" clear height.

**3.7.2.3** One (1) with double tier rollout drawers in a 2x2 configuration. Drawer dimensions shall be approximately 3" high x 54" wide x 14" deep to hold office supplies.

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1 **SCOPE**

This specification reflects those characteristics that are essential to the minimum needs of the government for a Vertical Storage Carousel. The scope of work shall include the complete set-up, operational testing and training of the equipment as specified herein. This system shall store letter top tab files in rollout drawers and various sundry office supplies. An operator shall be able to store/retrieve an item via a push button & touch screen controller, using a micro-processor controller. The carousel shall have a front worktable and the controls shall be mounted toward the end on a swivel arm. It is the government's intent that a single (primary) contractor be awarded this contract and be responsible for the accomplishment of all work detailed by this specification.

2 **APPLICABLE DOCUMENTS**

The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on the date of an invitation for bids or a request for proposals shall apply.

2.1 **SAFETY REQUIREMENTS**

- Safety Requirements For The Puget Sound Naval Shipyard And Intermediate Maintenance Facility (PSNS & IMF), Bangor Site

A copy of this document is attached to this specification (See Enclosure 1).

2.2 **ADDITIONAL SAFETY REQUIREMENTS** In addition to the safety requirements specified in Paragraph 2.1, the following is requisite:

2.2.1 The equipment and its component parts shall be in compliance with applicable CFR 29, Part 1910 Regulation and Standards. By definition, any equipment will be deemed acceptable and approved by PSNS&IMF if it meets specific OSHA conditions outlined in OSHA Part 1910; Subparts "O" and "S". Specifically, equipment will be "Accepted" by PSNS&IMF if it has been inspected and found by a Nationally Recognized Testing Laboratory (NRTL) to conform to specified plans or procedures of applicable codes.

2.2.2 Prior to delivery, installation, and acceptance, the contractor shall provide an OSHA compliance report (see Enclosure 1, para. b. Compliance with OSHA) documenting tests and evaluations performed. Failure to provide this report will delay acceptance of the equipment and may result in rejection for failure to comply with the terms of this contract (see Enclosure 1 for specific OSHA Compliance Report content).

2.3 **ENVIRONMENTAL COMPLIANCE REQUIREMENTS**

- Environmental Compliance Requirements For The Puget Sound Naval Shipyard And Intermediate Maintenance Facility (PSNS & IMF), Bangor Site

2.4 **GENERAL ENVIRONMENTAL REQUIREMENTS**

2.4.1 **Hazardous Material Control** shall include the following:

2.4.1.1 Estimated Contractors Hazardous Material Inventory (CHMI) Table provides quantities of each hazardous material to be used on this project. Copies of all SDS's will be submitted to the Base Environmental Office (BEO) and be kept on site where the work is being performed.

2.4.1.2 Contractor shall not use Hazardous Material (HM) composed of any of the following chemicals or substances: Leads, chromium, mercury, phenols, trichloroethylene, chlorofluorocarbons, halon, PCBs, asbestos, silica sand (for use as blasting agent), Class I ODS, radioactive materials or instruments capable of producing ionizing radiation, and chemicals listed in 40 CFR 355.50 Appendix B.

2.4.1.3 If additional HM is required for this project, an SDS shall be submitted to the BEO for approval before the HM is brought on board Naval Base Kitsap Bangor. The contractor shall not bring on board Naval Base Kitsap Bangor any HM until approved by the BEO. All containers of hazardous material shall be resealed, placed in a