COVER PURCHASE DESCRIPTION

FOR

STORAGE AID SYSTEM

AT

GRISSOM ARB, INDIANA

BUILDING 613

CSN: VGR601

DATE: 6 OCTOBER 2026

PREPARED BY:

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1. SCOPE

1.1. GENERAL SCOPE

This purchase description (PD) establishes the minimum performance, design, fabrication, installation, orientation, and test requirements for a storage aid system at Grissom ARB, Indiana, Building 613. The work shall be completed in accordance with this PD and Air Force (AF) Drawing VGR601-01. This PD covers all equipment, materials, and labor necessary to complete installation of the system. It also includes performing tests and making adjustments to the system as well as providing on-the-job instructions to Government personnel.

2. APPLICABLE DOCUMENTS

The following documents form a part of this PD to the extent specified herein. The issue in effect on the date the solicitation is issued shall apply.

2.1. GOVERNMENT DOCUMENTS

AIR FORCE INSTRUCTION (AFI)	
AFI 91-203	Air Force Consolidated Occupational Safety Instruction

AIR FORCE OCCUPATIONAL SAFETY AND HEALTH (AFOSH)	
AFOSH 48-20	Occupational Noise and Hearing Conservation Program
AFOSH 91-501	Air Force Consolidated Occupational Safety Standard

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS	
29 CFR 1910	Occupational Safety and Health Standards
29 CFR 1926	Safety and Health Regulations for Construction

AIR FORCE DRAWINGS	
VGR601-01	STORAGE AID SYSTEM BLDG 613 GRISSOM ARB, IN

2.2. NON-GOVERNMENT DOCUMENTS

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)	
AISC 325	Steel Construction Manual
(Applications for copies shall be addressed to the American Institute of Steel Construction, Inc, 1 East Wacker Drive, Chicago IL 60601)	

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)	
ANSI B11.19	Performance Criteria for Safeguarding
(Applications for copies shall be addressed to the American National Standards Institute, 1430 Broadway, New York, NY 10018)	

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)	
ASTM A123	Standard Specification for Zinc (Hot Dip Galvanized) Coatings on Iron and Steel Products
ASTM A153	Standard Specification for Zinc Coating(Hot-Dip) on Iron and Steel Hardware
ASTM A307	Standard Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength
ASTM F3125	Standard Specification for High Strength Structural Bolts, Steel and Alloy Steel, Heat Treated, 120 ksi and 150 ksi Minimum Tensile Strength
ASTM B633	Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel
(Applications for copies shall be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia PA 19103)	

AMERICAN WELDING SOCIETY (AWS)	
AWS B2.1	Specification for Welding Procedure and Performance Qualification
AWS D1.1	Structural Welding Code – Steel
AWS D14.1	Specification for Welding of Industrial and Mill Cranes and Other Material Handling Equipment

AWS Z49.1	Safety in Welding, Cutting, and Allied Processes
(Applications for copies shall be addressed to the American Welding Society, Inc, 550 NW Lejeune Road, P.O. Box 35140, Miami FL 33135)	

NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA)	
NEMA ICS 6	Industrial Controls and Systems: Enclosures
(Applications for copies shall be addressed to the National Electrical Manufacturers Association, 2101 L Street, NW, Washington DC 20037)	

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	
NFPA 51B	Standard for Fire Prevention During Welding, Cutting, and Other Hotwork
NFPA 70	National Electrical Code
(Applications for copies shall be addressed to the National Fire Protection Association, One Batterymarch Park, P.O. Box 9101, Quincy MA 02269-9101)	

SOCIETY OF AUTOMOTIVE ENGINEERS, INC (SAE)	
SAE J429	Standard for Mechanical and Material Requirements for Externally Threaded Fasteners
(Applications for copies shall be addressed to the Society of Automotive Engineers, Inc, 400 Commonwealth Drive, Warrendale PA 15906)	

UNIFIED FACILTIES CRITERIA (UFC)	
UFC 3-520-01	Interior Electric Systems
UFC 3-600-01	Fire Protection Engineering for Facilities
UFC 3-310-04	Seismic Design of Buildings

3. REQUIREMENTS

3.1. SYSTEM DESCRIPTION

The following major components shall be integrated to form the complete Storage Aid System and shall be installed in accordance with this Cover PD, Appendices A-E, and AF Drawing VGR601-01.

Pallet Rack	Appendix A- Pallet Rack
Bin Shelving	Appendix B- Bin Shelving
Mobile Aisle Storage System	Appendix C- Mobile Storage System
Rider Reach	Appendix D- Rider Reach
Stock Assist Vehicle	Appendix E- Support Equipment
10K Pallet Jack	Appendix E- Support Equipment
Processing Counter	Appendix E- Support Equipment
Collapsible Bins	Appendix E- Support Equipment
Bollards	Appendix E- Support Equipment
Rolling Ladder	Appendix E- Support Equipment
AV Cart	Appendix E- Support Equipment
Work Height Platform Truck	Appendix E- Support Equipment
Ergonomic Mat	Appendix E- Support Equipment
Electric Pallet Jack	Appendix E- Support Equipment
Corner Safety Markers	Appendix E- Support Equipment
Deluxe Carts	Appendix E- Support Equipment
Jumbo Carts	Appendix E- Support Equipment
Hopper	Appendix E- Support Equipment

3.2. CHARACTERISTICS

3.2.1. NOISE LEVELS

The Contractor shall consider noise levels in the design of the equipment. Hazardous noise shall not exceed 85 decibels A-weighted sound pressure level (dB(A)) for 8 hours in any 24-hour period or equivalent in accordance with AFOSH 48-20. Noise level measurements will be taken at a three-foot distance from the equipment producing the noise and at a level of five feet above the ground/floor in all locations in which personnel may be present during normal operations. If noise levels of installed equipment exceed this requirement, then noise shall be reduced through engineering controls; i.e., insulation, dampening, and isolation.

3.2.2. ELECTRICAL CHARACTERISTICS

3.2.2.1. POWER SOURCE

The Contractor shall run electrical power from the existing government supplies within the building. The Contractor shall furnish and install all necessary wiring and equipment for power distribution to the system and for control of the system.

3.2.2.2. INSTALLATION CODE

The installation shall, at a minimum, conform to applicable rules of NFPA 70 (National Electrical Code) and UFC 3-520-01.

3.2.2.3. ENVIRONMENTAL PROTECTION

All indoor enclosures and controls shall be in accordance with NEMA ICS 6, Type 12.

3.2.2.4. PROTECTION FROM MECHANICAL DAMAGE

No pushbuttons, control panel, conduit, shielded cable, wire, or electrical device shall be installed in such a way, that would expose it to mechanical damage during normal use. If an electrical device, which includes photo eyes, is exposed to damage by material or personnel, then it shall be guarded.

3.3. DESIGN AND FABRICATION

3.3.1. DESIGN CRITERIA

3.3.1.1. MAINTAINABILITY

The system shall be designed, fabricated, and installed to facilitate maintainability and ensure a minimum service life of 30 years on static components and 15 years on moving components.

3.3.1.2. ENVIRONMENTAL CONDITIONS

The system shall operate in a temperature range of 0 to 120 degrees Fahrenheit with up to 99 percent relative humidity. The system shall be constructed to operate in an open warehouse environment. For components located outdoors, the components shall be constructed for year-round outdoor use, operating in sun, rain, snow, and wind.

3.3.1.3. STANDARD, COMMERCIAL COMPONENTS

Standard, commercial components which have been for sale and available for purchase to the general public or government agencies for at least one year shall be used to the maximum extent possible. Where two or more units of the same type of equipment are required, these units shall be products of the same manufacturer. All equipment and materials shall be new.

3.3.1.4. STRUCTURAL REQUIREMENTS

The system shall be designed and constructed in accordance with state and local codes at Grissom AFB, IN. The system shall also be designed to withstand the seismic conditions identified in the International Building Code for the Peru, Indiana locality and DOD regulation UFC 3-310-04.

3.3.1.5. VERIFICATION OF DIMENSIONS

The contractor shall become familiar with all details of the work, verify all dimensions in the field, and shall advise the Contracting Officer of any discrepancy before end of post award.

3.3.1.6. OZONE DEPLETING SUBSTANCES (ODS)

The Contractor shall not use or prescribe to the greatest extent possible any ODS in the installation and maintenance of the system. ODS includes, but is not limited to aerosol cans, certain cleaning solvents, and certain lubricants. If there is a question pertaining to the applicability of a substance, submit the name of the substance to the Contracting Officer for verification.

3.3.1.7. SAFETY

The Contractor shall consider the safety of personnel and equipment when designing and installing the system. Safety provisions shall be incorporated to the maximum extent possible. When possible, hazards shall be eliminated through design. When this is not possible, safety devices such as guards, interlocks, and barriers shall be installed. If this does not eliminate the hazard, warning devices such as warning signs, indicator lights, and audio devices shall be installed. Safety requirements shall include, but are not limited to, the following.

3.3.1.7.1. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

The system installation practices and completed system shall meet all applicable requirements of OSHA 29 CFR 1910 and OSHA 29 CFR 1926.

3.3.1.7.2. PROTECTION AGAINST MOVING PARTS

Moving parts shall be provided with guards to protect personnel from possible injury. Guards shall be in accordance with ANSI B11.19.

3.3.1.7.3. PLACARDS

Conspicuous placards shall be mounted adjacent to areas where hazards may exist (i.e., high voltage, pinch points, and tripping hazards). Placards shall also be used to identify operating limits (i.e., capacity, speed, and incline) in a conspicuous location for operators' use.

3.3.1.7.4. CLEAN-UP

The Contractor shall, at all times, keep the work area, including storage areas, free from the accumulation of waste materials and dust which would cause a hazard or nuisance to others. The approved methods of stabilization for dust control are sprinkling, chemical treatment (non-ODS) or a similar method approved by the COTR. If there is a cutting

process, the solution shall be vacuumed up during the process to prevent dust pollution and water damage. Before leaving the site, the Contractor shall remove all rubbish, tools, equipment, and materials that are not the property of the Government. At the completion of the installation/test, the Contractor shall leave the site in a clean, neat and orderly condition satisfactory to the COTR. Waste will be removed daily from the site and shall not be allowed to accumulate to the extent that it becomes a safety or fire hazard. It shall be the Contractor's responsibility to dispose of waste in accordance with all applicable Federal, State, County and Municipal codes.

3.3.1.8. ERGONOMIC DESIGN

The system design and layout shall incorporate ergonomic design criteria so the optimal interface between operator and equipment is attained.

3.3.2. PROTECTIVE COATINGS

All system component surfaces shall be protected from corrosion by painting, plating, or galvanizing.

3.3.2.1. PAINTING

Metal surfaces, which are not galvanized or plated, shall be cleaned, treated, and painted to protect against rust, corrosion, and deterioration. The first coat of paint or primer shall be applied to a dry clean surface as soon as practicable after cleaning and treating the metal. The primer shall not interfere with the application and adhesion of subsequent coats. Paint shall last the service life of the equipment. Paint shall be lead and chromate free and meet air pollution requirements for solvent emissions. When several standard colors are available, a color selection chart shall be submitted to the COTR with the shop drawings for selection. The finish coat shall be a smooth, even surface, free from runs, sags, and defects when dry. Welded surfaces shall be cleaned and painted after the welding process is complete. Pre-painted accessories, as well as surfaces not requiring paint, shall be protected from overspray.

3.3.2.2. PLATING

All surfaces to be plated shall be thoroughly cleaned to provide a surface free of mill scale, oil, grease, dirt, rust, and any other foreign material prior to being plated. Plating at a minimum shall comply with ASTM B633, Service Condition 1, Type I unless otherwise specified.

3.3.2.3. GALVANIZING

All metal surfaces to be galvanized shall be thoroughly cleaned to provide smooth surfaces and shall comply with ASTM A153 and ASTM A123.

3.3.2.4. DISSIMILAR METALS

Materials used and their locations shall not promote galvanic corrosion. No combination of materials shall be used that form an electrolytic couple of such nature that corrosion is accelerated.

3.3.3. WELDING

Dimensional tolerances for welded construction, details of welds, and quality of welds shall be in accordance with the applicable requirements of AWS B2.1, AWS D1.1, and AWS D14.1. Safety precautions during welding shall conform to AWS Z49.1.

3.3.3.1. FIRE PROTECTION

All welding, cutting, brazing, and burning operations shall be accomplished in strict compliance with the requirements outlined in AFI 91-203 and NFPA Standard 51B. Prior to starting any welding, cutting, brazing, or burning operations, the Contractor shall obtain a permit (USAF Welding, Cutting, and Brazing AF Form 592). This permit can be obtained by contacting the Grissom Fire Department at least 24 hours in advance. A copy of each permit will be retained at the work site until the work has been completed. Operations that produce flying, dropping slag, metal or embers shall have sufficient non-combustible materials and fire blankets on site to protect against fire damage or personal injury. In addition, the contractor shall provide a minimum of 2 portable fire extinguishers at the work site until the work has been completed. Extinguishers shall meet a rating of 4A-40BC and the requirements outlined in AFOSH 91-501, Chapter 6. At the close of their operation, the contractor shall make a thorough inspection of each building in which he/she has performed work. This inspection shall ensure that all necessary safeguards relative to potential fire hazards are in effect and operational. The contractor shall familiarize themselves and their personnel on the location of all telephones needed for fire reporting. The contractor shall maintain good housekeeping practices to reduce the risk of fire, damage, and/or personal injury. All scrap materials, rubbish, and refuse shall be removed daily from in and around the building and shall not be permitted to be strewn on adjacent property. Flammable and combustible materials used inside the building shall be kept to a minimum and removed from the building during unused periods. Storage of flammable/combustible materials shall not be permitted inside the building.

3.3.4. CUTTING

All edges produced by cutting operations shall be finished by grinding (or other method approved by the COTR) to a surface finish equivalent to that of adjacent surfaces. Sharp edges shall not be acceptable.

3.3.5. COORDINATION

The Contractor shall obtain approval from the local base civil engineering, fire, safety, and bioenvironmental offices before making any modifications to the existing structure

to accommodate the new system. The modifications shall match existing work and shall be of comparable quality. The COTR shall also approve all modifications before they are made.

3.3.6. NAMEPLATES

The Contractor shall provide and install one corrosion resistant metal nameplate for each component. A nameplate for each row of shelving/rack shall be provided such that if one row is dismantled, the nameplates will exist elsewhere. Nameplates shall be located in a visible and safe location. Nameplates shall last the life of the equipment and shall be capable of withstanding local environmental conditions. Nameplates shall be stamped, engraved, or etched in a print type not less than 1/8-inch tall. No nameplate or product marking shall be installed until all touch-up painting has been completed. The nameplate or product marking shall clearly display the following headings and corresponding information.

Type of equipment
Name of manufacturer
Model Number
Contract Number
Serial Number
Capacity
Weight
Manufacture Date, Month/Year
"Property of US Government"

3.3.7. PRECEDENCE

Where local codes and standards conflict with the contents of this PD, the more stringent requirement shall prevail.

3.3.8. MATERIALS

3.3.8.1. STEEL

The structural steel components shall meet all design property requirements of AISC 325.

3.3.8.2. MECHANICAL FASTENING DEVICES

Unless otherwise specified, all threaded connectors of diameter greater than 7/16 inch shall be either A325 bolts conforming to ASTM A325 or SAE Grade 5 bolts conforming to SAE J429. All structural joints shall be in accordance with AISC 360. Bolt hole diameters shall not exceed nominal bolt diameters by more than 1/16 inch. All bolt holes shall be free of burrs, pins, or slivers. Bolts shall extend a minimum of two threads beyond the nuts, but not more than five threads. All nuts, bolts, and other

threaded fasteners shall be plated or galvanized to prevent corrosion. All threaded fasteners shall utilize plated flat or lock washers as required.

3.3.8.3. ANCHORS

Anchors shall, at a minimum, meet the requirements of ASTM A307. Anchors shall be either the drop-in expansion type or wedge type. All anchors shall be sufficient in size to withstand the calculated pullout and shear forces experienced by the equipment. Minimum anchor sizes shall be 3/8 inch in diameter or, if applicable, as specified in the appendices. Anchor lengths shall be long enough to assure that the manufacturer's minimum embedment in concrete is maintained and shall be installed properly to maintain the required minimum concrete embedment. Anchors shall be spaced so that the manufacturer's recommended minimum allowable spacing between anchors is maintained and the recommended minimum allowable edge distance is maintained. All anchors shall be torqued to the manufacturer's recommended installation torque. When required, adhesive anchors may be used; subject to approval by the COTR.

3.4. DOCUMENTATION

The Contractor shall provide documentation (data) as described below and in accordance with Table 1 below. Where possible, the Contractor shall print on recycled paper. Also, the Contractor shall not require the use of any Class I ozone depleting substance in any submittal.

3.4.1. MANAGEMENT REPORTS

The Contractor shall provide a monthly status report complete with schedule. The report shall be either Microsoft word document or a PDF file. The monthly status report shall be submitted in accordance with Table 1. Contractor format is acceptable as long as it provides the following information as a minimum;

A) A front cover sheet which includes the title of report, the contractor’s name and address, the base name, the contract number, and the date.
B) A schedule showing actual progress to date against current contract schedule through contract completion is required. In addition, forecasted delivery and other significant project milestones should address/include, at a minimum: CLIN deliveries, submission of all data items, post award site visit (if applicable), shipping of deliverables, installation, training/orientation (if required), system checkout test, quality conformance test, reliability demonstration test, etc."
C) The body of the report shall provide a summary of the progress to date. It shall identify any problem areas, any changes in schedule or contract equipment, any engineering change proposals, all significant trips, emails, or telephone calls affecting the performance or scope of the contract.

3.4.2. SHOP DRAWINGS

The Contractor shall provide shop drawings for the system and equipment layout, fire suppression drawings and design calculation stamped and submitted for approval by Base Fire. Shop drawing package shall be submitted in accordance with Table 1. Hard copy size of drawing shall be dependent on clarity of drawing, but as a minimum shall be B size. Shop drawings shall be submitted in a time frame, which meets the contract schedule. Government shall have two weeks to review shop drawings. Any resubmittals required shall be resubmitted within one week.

3.4.3. EQUIPMENT MANUALS

The Contractor shall provide separate maintenance and Illustrated Parts Breakdown (IPB) manuals for all equipment.

3.4.4. AS-BUILT DRAWINGS

The Contractor shall provide as-built drawings of all drawings submitted as part of the shop drawing package. As-built drawings shall be submitted in accordance with Table 1.

Table 1 – Data Requirements

SUBMITTAL	DUE DATE	DISTRIBUTION LIST		
		James Rowland **james.rowland.5@us.af.mil**	Buyer identified at time of award	Base POC
Management Reports (3.4.1)	1st business day of each month starting after the month the contract is awarded	Email with attachment of report	Email with attachment of report	Email with attachment of report
Shop Drawings (3.4.2)	Due date is same as CLIN 0001	Email with attachment of drawings (AutoCAD and PDF)	Email with attachment of drawings (PDF)	Email with attachment of drawings (AutoCAD and PDF)
Equipment Manuals (3.4.3)	With delivery of equipment	Email with attachment of manuals (PDF)	Email indicating delivery of manuals completed	Email with attachment of manuals (PDF) and 3 sets of hard copies

System Checkout Certificate (4.2.1)	Due upon contractor system installation inspection completion	Email with attachment of system checkout certificate (Word Document or PDF)	Email with attachment of system checkout certificate (Word Document or PDF)	Email with attachment of system checkout certificate (Word Document or PDF)
As-built Drawings (3.4.4)	30 days after Government acceptance of system	Email with attachment of drawings (AutoCAD and PDF	Email with attachment of drawings (PDF)	Email with attachment of drawings (AutoCAD and PDF)

3.5. ORIENTATION

The Contractor shall provide technical services and materials to orient Government personnel. Fully qualified Contractor personnel who are knowledgeable of the system shall accomplish all orientation. Courses shall be combined in accordance with the Contractor's standard commercial training courses, where applicable, provided all aspects of training are included. Orientation shall be provided at Grissom ARB, IN. The Contractor shall provide each attendee with a certificate indicating successful completion of the orientation. All orientation shall be completed prior to the start of the quality conformance test.

3.5.1. SYSTEM OPERATOR ORIENTATION

This orientation shall provide instructions in the overall operational functions that are performed by the system operators. Instructions shall include the operation of all the system components. Upon completion of this course, the operators shall be able to operate all components of the system. Operators shall be able to perform these functions using only the reference manuals provided with the system relative to operations. The hands-on phase shall include actual operation of the system under the supervision and instruction of the Contractor. An estimated 6 students with possibly no experience will attend per building.

3.5.2. MAINTENANCE ORIENTATION

This orientation shall provide instructions in corrective and preventive maintenance of the system delivered. Instruction shall include installation and adjustment of all system components. Upon completion of this orientation, students shall be able to install, adjust, and maintain equipment using only the maintenance reference manual delivered. The hands-on phase shall include actual field instruction in the maintenance requirements of the installed system. An estimated 6 students with possibly no experience will attend per building.

4. QUALITY ASSURANCE PROVISIONS

4.1. GENERAL

The COTR shall monitor the installation of the system. The system delivery dates shall not be extended because of work stoppages caused by unacceptable practices and/or test failures. The Government will provide all test loads. The Contractor shall be responsible for loading and unloading all test loads and performing all inspections and tests. The Contractor shall provide a knowledgeable and authoritative representative on site during the entire acceptance tests.

4.2. ACCEPTANCE TESTS

Three tests must be successfully completed prior to the Government accepting the system. These tests are the system checkout test, the quality conformance test, and the reliability demonstration test.

4.2.1. SYSTEM CHECKOUT TEST

Upon completion of installation, the Contractor using loads of the type specified herein and, in the appendices, shall check out the system. The Contractor shall inspect the system to assure that the system meets all the requirements of 4.3.1. The Contractor shall also test the system in accordance with the test defined in 4.3.2. All inspections and tests shall be repeated until all modifications and/or adjustments are complete and the system passes all inspections and tests. The Contractor shall submit to the Contracting Officer written certification that the system has passed the requirements of this paragraph. The COTR will schedule the quality conformance test to start within 10 days following the receipt of the written certification from the Contractor. Notification of a system checkout test shall comprise of an e-mail to the Contracting Officer, COTR, and project engineer stating:

“The system has undergone testing/inspection and successfully met all requirements within the contract and is ready to undergo the Quality Conformance Test. Any deficiencies found at the Quality Conformance Test which result in the system being failed may result in consideration.”

4.2.2. QUALITY CONFORMANCE TEST

As part of the quality conformance test, the Contractor shall provide written certification that the requirements listed in this PD have been met. This certification is required on or before the start of the quality conformance test as detailed in 4.2.1. The Contractor, in the presence of the COTR, shall inspect the system to confirm that the system meets all the requirements of 4.3.1. The Contractor, in the presence of the COTR, shall also test the system in accordance with the test defined in 4.3.2. Upon successful completion of all tests and inspections, the reliability demonstration shall start.

4.2.3. RELIABILITY DEMONSTRATION TEST

After successful completion of the quality conformance test, all static components shall demonstrate compliance with the requirements of the purchase description (PD). The test period shall be the 30 calendar days immediately following the successful completion of the quality conformance test. If the system does not demonstrate compliance with the PD, the test will be restarted from the beginning after the Contractor has taken corrective action. The Contractor shall be allowed to restart the reliability demonstration test a maximum of 2 times. If the system fails to pass the reliability demonstration within 3 attempts, then the system shall be rejected.

4.3. INSPECTIONS AND TESTING

This section defines all inspections and tests that must be completed as part of the system checkout test and repeated at the quality conformance test. The Contractor may add to this list, or question any requirement, by sending a letter to the Contracting Officer prior to the acceptance tests. The COTR will classify all deficiencies encountered into one of the defect classification listed below. Any critical or major defect found shall be cause for rejection of the system. Any combination of two or more minor defects shall leave the rejection of the system at the discretion of the COTR.

Critical Defect - A defect that judgment and experience indicate is likely to result in hazardous or unsafe conditions for individuals using, maintaining, working near, or depending upon the equipment.

Major Defect - A defect other than critical that is likely to result in failure, or reduce materially the system for its intended purpose.

Minor Defect - A defect that is not likely to reduce materially the usability of the system for its intended purpose, or is a departure from established standards having little bearing on the effective use or operation of the system.

4.3.1. INSPECTIONS

The system shall be inspected to verify that it meets all the requirements of sections 1, 2, and 3 of the cover purchase description (and associate appendices, if applicable). These inspections shall be completed as part of the system checkout test and again as a part of the quality conformance test.

4.3.2. TESTS

The tests in associated appendices shall be performed on the system as part of the system checkout test and again as a part of the quality conformance test.

No.	Paragraph	Test	Result
1.	3.3.1.7.3.	Inspect to see that placards are provided where unsafe conditions exist.	☐ Pass ☐ Fail
2.	3.3.1.7.4.	Ensure the work site around the system is clean.	☐ Pass ☐ Fail
3.	3.3.8.3.	Bolts are embedded to the correct depth, lock washers are provided, and nuts are tightened.	☐ Pass ☐ Fail
4.	3.3.2.	Equipment is protected from the environment by either paint, coatings, galvanizing, or the type of material used.	☐ Pass ☐ Fail
5.	3.3.6.	Nameplates provided and securely attached to all equipment.	☐ Pass ☐ Fail
6.	3.4.3.	Manuals provided and are acceptable where required.	☐ Pass ☐ Fail
7.	3.5.	Ensure all training has been provided.	☐ Pass ☐ Fail

4.4 WARRANTY

The contractor shall warrant that all equipment and components furnished under this contract will be free from defects in material or workmanship and will conform with all requirements of this contract. The warranty period shall last one year after final acceptance. When return, correction, or replacement is required, transportation charges and responsibility for the supplies while in transit shall be borne by the contractor. Any equipment or components thereof, corrected or furnished in replacement under this warranty, shall also be subject to the terms of this warranty to the same extent as supplies initially delivered. The warranty, with respect to the equipment or components thereof, shall be equal in duration to the length of the original warranty and shall run from the date of delivery of the corrected or replaced supplies. The Contracting Officer's Technical Representative (COTR) or Base Project Officer (BPO) shall notify the contractor of failures that require correction under this warranty. The contractor shall provide an email explaining the suspected cause of failure, listing the defective item(s), course of action (i.e. replace or repair), time to complete (i.e. delivery and installation or time to repair), and any other details that may be relevant.