

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N00033-14-D-7509	2. DELIVERY ORDER/ CALL NO. 0018	3. DATE OF ORDER/ CALL (YYYYMMDD) 2014 Jul 25	4. REQ./ PURCH. REQUEST NO. N4044614RCN7219	5. PRIORITY
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6. ISSUED BY MILITARY SEALIFT COMMAND, SSU GUAM MSC, SSU GUAM PSC 455, BOX 198 APO AP 96540-2600	CODE N40446	7. ADMINISTERED BY (if other than 6) SEE ITEM 6	CODE
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8. DELIVERY FOB
 DESTINATION
 OTHER
 (See Schedule if other)

9. CONTRACTOR CABRAS MARINE CORPORATION NAME JOSEPH CRUZ AND 1026 CABRAS HIGHWAY, SUITE 114 ADDRESS PITI GU 96915-5610	CODE OM9K3	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	11. MARK IF BUSINESS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
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12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO SEE SCHEDULE	CODE	15. PAYMENT WILL BE MADE BY WAWF SUBMIT ELECTRONIC INVOICES IAW WAWF CONTRACT CLAUSE MSC WORLDWIDE DC ANY	CODE	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
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16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.


NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMDD)
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If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE

See Schedule

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
SEE SCHEDULE					

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. OF AMERICA TEL: (b) (6) EMAIL: (b) (6) BY: ACHILLE BROENNIMANN	 CONTRACTING / ORDERING OFFICER	25. TOTAL \$829,967.73
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27a. QUANTITY IN COLUMN 20 HAS BEEN

INSPECTED RECEIVED ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
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e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
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f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY
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36. I certify this account is correct and proper for payment.		31. PAYMENT	33. AMOUNT VERIFIED CORRECT FOR
a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. CHECK NUMBER
			35. BILL OF LADING NO.

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003		1	Lot	\$829,967.73	\$829,967.73

YRBM 25 Top Side Repairs
FFP

Funding in the firm-fixed price amount of \$829,967.73 is provided to complete the work as outlined in the attached work item package revision A for the YRBM 25 Top Side Repairs.

Work Items are as follows:

- 077-01-001 Control Hazardous Waste Produced on Naval Barge
- 501-28-001 HVAC Modifications; accomplish
- 509-28-001 Fresh Water Shore Connection Piping; repair
- 516-28-001 Freeze And Chill Box; replace
- 530-28-001 Water Heater Room; repair
- 613-28-001 Awning Canopy; replace
- 634-28-001 Interior PRC Decking; resurface and repair
- 634-28-002 Peel and Stick Nonskid; replace

Period of Performance: 02SEP-31OCT2014

Performance Location: Romeo Pier, Naval Base Guam

FOB: Destination

PURCHASE REQUEST NUMBER: N4044614RCN7219

NET AMT	\$829,967.73
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ACRN AA

CIN: N4044614RCN72190001

\$829,967.73

Section C - Descriptions and Specifications

WORK ITEMS

**YRBM-25
OVERHAUL
02 SEPTEMBER – 31 OCTOBER
2014**

YRBM- 25 GENERAL CHARACTERISTICS

LENGTH BETWEEN PERPENDICULARS	146' – 0"
LENGTH OVERALL	146' – 9
5/8" BREADTH MOLDED	46' – 0"
BREADTH EXTREME	46' – 9
3/8" DEPTH MOLDED AT MAIN DECK SIDE	11' – 9"

INDEX

<u>WORK ITEM NO.</u>	<u>TITLE</u>
	NAVSEA Standard Items Invoked
077-01-001	Control Hazardous Waste Produced on Naval Barge
501-28-001 Rev A	HVAC Modifications; accomplish
509-28-001 Rev A	Fresh Water Shore Connection Piping; repair
516-28-001 Rev A	Freeze And Chill Box; replace
530-28-001 Rev A	Water Heater Room; repair
613-28-001 Rev A	Awning Canopy; replace
634-28-001 Rev A	Interior PRC Decking; resurface and repair
634-28-002 Rev A	Peel and Stick Nonskid; replace

NAVSEA STANDARD ITEMS INVOKED

CATEGORY I. NAVSEA FY-15 STANDARD ITEMS APPLICABLE TO ALL WORK ITEMS IN THIS JOB ORDER WITHOUT FURTHER REFERENCE

<u>ITEM NO.</u>	<u>TITLE</u>
009-01	Accomplish General Criteria
009-02	Environmental Compliance Reports for Material Usage at Naval Facilities; provide
009-03	Control Toxic and Hazardous Substance
009-04	Provide Quality Management System
009-05	Provide Temporary Accesses

- 009-06 Accomplish Maintaining Protection and Cleanliness from Non-Radioactive Contaminate- Producing-Operations
- 009-07 Accomplish Confined Space Entry, Certification, Fire Prevention and Housekeeping
- 009-10 Control Shipboard Asbestos- Containing Material (ACM)
- 009-20 Control Government Property
- 009-23 Remove and Install Interferences
- 009-24 Accomplish Authorization, Control, Isolation, Blanking, and Tagging Requirements

CATEGORY I. NAVSEA FY-15 STANDARD ITEMS APPLICABLE TO ALL WORK ITEMS IN THIS JOB ORDER WITHOUT FURTHER REFERENCE (CONT.)

<u>ITEM NO.</u>	<u>TITLE</u>
009-29	Asbestos-Free Pipe Hanger Liner Material; install
009-39	Technical Manual Contract Requirement (TMCR) for New Technical Manuals for Commercial Equipment/Component; provide
009-40	Requirements for Contractor Cranes, Multi-Purpose Machines and Material Handling Equipment at Naval Facilities; accomplish
009-61	Shipboard Use of Fluorocarbons; control
009-65	Control Polychlorinated Biphenyls (PCBs)
009-69	Provide Heavy Weather Plan
009-70	Accomplish Confined Space Entry, Certification, Fire Prevention and Housekeeping for Unmanned Vessels
009-74	Occupational, Safety and Health Requirements; accomplish
009-84	Accountability of Temporary Fasteners; provide
009-86	Recovery of Chlorofluorocarbon (CFC's) and Fire Suppressant Halon (H) Materials; accomplish
009-93	Provide Emergency Planning and Community Right-to-Know Act (EPCRA) and Pollution Prevention Act (PPA) Information
009-97	Provide Shipbuilding and Ship Repair Operations National Emission Standard for Hazardous Air Pollutants (NESHAPS) For Surface Coating Information

CATEGORY II. NAVSEA FY-15 STANDARD ITEMS WHICH MAY BE INVOKED IN THE WORK ITEMS OF THIS JOB

<u>ITEM NO.</u>	<u>TITLE</u>
009-09	Provide and Accomplish Process Control Procedures (PCP)
009-12	Accomplish Welding, Fabrication, and Inspection Requirements
009-25	Accomplish Structural Boundary Test
009-26	Accomplish Deck Covering Requirements
009-32	Accomplish Cleaning and Painting Requirements
009-71	Testing Requirements for Piping Systems; accomplish
009-85	Provide Government Sponsored Planning Yard/Configuration Data Manager (CDM) On-Site Representative Facility
009-107	Piping System Cleanliness (Non-Nuclear); accomplish

REFERENCE DRAWINGS

<u>DRAWING NO.</u>	<u>TITLE</u>
102-4382477 Rev B	Inner Bottom Structures
107-4382478 Rev A	Main Deck Structures
113-8506667 Rev -	INSTL HVAC UPGRADE FDN MESS
113-8506668 Rev -	FDN HVAC UPGR
302-8515487 Rev -	PS HVAC UPGR MN DK FR 6-12
302-8516624 Rev -	PS MODS HVAC CREW MESS
303-8515488 Rev -	LS HVAC UPGR MN DK FR 6-12
303-8516625 Rev -	LS MODS HVAC CREW MESS
501-5287967 Rev G	Ventilation Standard Details and General Notes
501-8506506 Rev -	HVAC Mod Cooling Upgrade Main Deck, Fr 6-12 (Port/Stbd)
501-8507681 Rev -	HVAC Mod for Mess room Cooling Upgrade Main Deck, Fr 1-5 (Port/Stbd)
502-8507407 Rev -	CHW & CNDS DR MODS 1-1-3-L
502-8507409 Rev -	CHW & CNDS DR MODS MN DK FR 6-12
509-7646535 Rev -	Fresh Water sys, Relocate Shore Connection
845-8336951 Rev A	Booklet of General Drawings
LAR-YRBM25-7656 Rev A	Repair of Freshwater Shore Connection
MIL-STD-777 Rev F	Schedule of Piping, Valves, Fittings, & Associated Piping Components
NSTM CH 516 Rev 4	Refrigeration Systems

SHIP: YRBM25

ITEM NO: 077-01-001

COAR:

PCN:

CMP:

PLANNER: CROWELL

1. SCOPE:

1.1. Title: Control Hazardous Waste Produced on Naval Barge

1.2. Location of Work:

1.2.1. Throughout the Barge

1.3. Identification:

1.3.1. Not Applicable

2. REFERENCES:

2.1 Resource Conservation and Recovery Act (RCRA)

2.2 Federal Hazardous Materials Transportation Act, 49 U.S.C. 5103

2.3 Applicable Hazardous Waste Manifest Form

2.4 Repair or Maintenance of Naval Vessels; Handling of Hazardous Waste, 10 U.S.C. 7311

3. REQUIREMENTS:

3.1. Manage and dispose of all hazardous waste listed in 3.3 in accordance with 2.1 and 2.2.

3.1.1. When a Navy generator number is required by this Work Item, submit the original of 2.3 to the COR for assignment of Environmental Protection Agency (EPA) or delegated state environmental agency identification number.

3.1.2. Manage and transport for Navy disposal, Navy-generated hazardous waste listed in 3.3 in accordance with 2.1 and 2.2, as designated by the COR.

3.1.3. Submit one (1) legible copy of 2.3 signed by the owner or operator of the disposal facility to the COR within 48 hours of receipt from owner or operator of disposal facility.

3.2. Complete documentation required by 2.1 and 2.2, using EPA or delegated state environmental agency identification number in accordance with 2.4.

3.2.1. Documentation related to hazardous waste generated solely by the physical actions of Ship's Force or Navy employees (termed Navy-Generated Hazardous Waste) on board the vessel shall only bear a generated identification number issued to the Navy pursuant to applicable law. The Contractor shall obtain COR'S concurrence with the categorization of the waste as Navy generated before completion of the manifest. The manifest prepared shall be presented to the COR for completion after the hazardous waste has been identified.

3.2.2. Documentation related to hazardous waste generated solely by the physical actions of contractor personnel (termed Contractor-Generated Hazardous waste) shall bear a generator identification number issued to the

contractor pursuant to applicable law. Regardless of the presence of other material in or on the shipboard systems or structure which may have qualified a waste stream as hazardous, where the contractor performs work on a system or structure using materials (whether or not the use of such materials was specified by the Navy) which by themselves would cause the waste from such work to be a hazardous waste, documentation related to such waste shall only bear a generator number issued to the contractor.

- 3.2.3. Documentation related to hazardous waste generated by the combined physical actions of Navy and contractor personnel (termed Co-Generated Hazardous waste) shall bear a generator identification number issued to the contractor pursuant to applicable law and shall also cite in the remarks block a generator identification number issued to the Navy pursuant to applicable law. When the contractor merely drains a system and such drainage creates hazardous waste or the contractor performs work on system or structure using materials which by themselves would not cause the waste from such work to be hazardous waste but such work nonetheless creates a hazardous waste, documentation related to such waste shall bear a generator identification number issued to the contractor and shall also cite in the remarks block a generator identification number to the Navy. The contractor shall sign the generator certification on the Uniform Hazardous Waste Manifest whenever use of the manifest is required for disposal. The contractor shall obtain COR's concurrence with the categorization of the wastes as co-generated before completion of the manifest. Manifests prepared shall be presented to the COR for completion after the hazardous waste has been identified.

- 3.3. Hazardous waste, as identified in 2.1, expected to be produced during performance of this Contract.

Type and Estimated Amount

- Acid Solutions (may include spent sulfamic, citric, chromic, nitric, sulfuric, hydrochloric, etc.); 1 gallon
- Cleaning Solvents; 5 gallons
- Sodium Phosphates (Tri, Bi, or mono); 2 gallons
- Methyl Ethyl Ketone; 1 gallon
- Miscellaneous Chemicals (Ignitable); 1 gallon
- Miscellaneous Chemicals (Corrosive); 1 gallon
- Miscellaneous Chemicals (TCLP Toxic); 1 gallon
- Miscellaneous Chemicals (Reactive); 1 gallon
- Oil (Synthetic); 1 gallon
- Paints (Enamel, Latex, Epoxy, thinners, oil based, rubber paint, non-skid, lacquer, remover, varnishes); 10 gallons
- Paints (May include lead, cadmium or chrome); 10 gallons
- Paint Strippers (phenols, lead, and chromium); 10 gallons
- Sludge (Contaminated with a known hazardous waste); 1 gallon

- 3.4. Hazardous Waste Disposal

- 3.4.1. Contractor's offer shall include **\$2,000.00** towards the cost of hazardous waste disposal, plus the total price for contractor handling fees. If the actual cost of hazardous waste disposal exceeds **\$2,000.00** plus the total price for contractor handling fees, a change order will be issued for the difference. If the actual cost of hazardous waste disposal is less than **\$2,000.00** plus the total price for contractor handling fees, a change order will be issued to credit the Government for the difference.
- 3.4.2. Compensation will be based on properly identified hazardous waste and quantities as shown on the applicable Uniform Hazardous Waste Manifests. This will include matching the waste with the waste description identified in Paragraph 3.3 or additional items as appropriate. Compensation will be paid against actual invoices submitted for the transportation and disposal of the hazardous wastes. All applicable documentation, including invoices and proof of disposal at an authorized disposal site and signed by an authorized representative of the authorized disposal facility shall be required for reimbursement.

- 3.4.3. The contractor shall include a handling fee, as a percentage of the total estimated disposal costs, to account for the contractor's efforts to identify, handle and store the hazardous wastes in the yard. This fee shall be added to each submitted invoice to cover the contractor's work efforts.
- 3.5. Submit one (1) legible copy, in hard copy or electronic media, of a report identifying type, amount, and disposal cost of waste listed in 3.3 that was removed during the performance of this Contract to the COR.
- 3.5.1. The report shall include analysis or other method used to identify the waste and state whether each listed waste was hazardous (with generator assignment), non-hazardous, or did not exist.
- 3.5.2. Chemical analysis shall be accomplished by laboratories with state or EPA approved quality assurance programs.
- 3.5.3. The contractor shall make an effort to minimize hazardous waste generation by reducing the volume or toxicity by neutralizing, recycling, or otherwise removing it from the requirements of Subtitle C of 2.1 and include a description of such efforts in the report.
- 3.6. Nothing contained in this work Item shall relieve the contractor from complying with applicable federal, state, and local laws, codes, ordinances, and regulations, including the obtaining of licenses and permits in connection with hazardous waste handling and disposal in the performance of this Contract.

4. **NOTES:**

- 4.1. The waste listed in 3.3 is based on the best information available at the time of preparation of the solicitation. Hazardous waste generated during the actual performance of the work may vary in type or amount from waste listed in 3.3 which may result in renegotiation for credit or increase pursuant to Paragraph (b) of 2.4. The contractor is expected to use best management practice to identify and dispose of all hazardous waste. Some of the substances listed in 3.3 may be neutralized, recycled, or otherwise removed from the requirements of Subtitle C of 2.1. Inclusion of these substances in the waste listed in 3.3 does not preclude the contractor from taking action consistent with 2.1 to reduce or eliminate the hazardous constituents of any waste required to be disposed of under the contract in accordance with 2.2. Processes that add hazardous constituents to the bilges may require that bilge water be disposed of as a hazardous waste.
- 4.1.1. The types and amounts of wastes listed in 3.3 are estimates of waste to be disposed of under this contract as required by 2.4. They are not estimates of the amount of the work involved in generating that waste. The work requirements of each individual Work Item specifies the actual work to be accomplished.
- 4.2. Hazardous wastes are determined by one or more of the following methods:
- 4.2.1. Chemical analysis which shows that the material characteristics of ignitability, corrosively, reactivity, and/or toxicity (Toxicity Characteristic Leachate Procedure TCLP) exceed the limits for that material in 40 CFR 261.20 Subpart C.
- 4.2.2. Reference to a Material Safety Data Sheet (MSDS), or
- 4.2.3. Applying knowledge of the hazardous characteristics of the waste in light of the materials or the process used.
- 4.3. Bilge water, oil/water including sludge, debris and other contaminants, sludge which includes solids and sludge from voids, apply only in those states listing them as hazardous waste. When availability is to be performed in a state where these items are hazardous waste, an estimate of the amount to be generated shall be included in 3.3.

SHIP: YRBM 25

ITEM NO: 501-28-001 Rev A

COAR:

PCN:

CMP:

PLANNER: CROWELL

1. SCOPE:

1.1 Title: HVAC Modifications; accomplish

1.2 Location of Work:

1.2.1 Main Deck, FR 1-12 (PORT/STBD)

Identification:

1.2.2 Not Applicable

2. REFERENCES:

2.1 Standard Items (FY 15)

2.2 501-8507681, HVAC Mod for Mess room Cooling Upgrade Main Deck, Fr 1-5 (Port/Stbd)

2.3 501-8506506, HVAC Mod Cooling Upgrade Main Deck, Fr 6-12 (Port/Stbd)

2.4 303-8516625 LS MODS HVAC CREW MESS

2.5 113-8506667 INSTL HVAC UPGRADE FDN MESS

2.6 502-8507407 CHW & CNDS DR MODS 1-1-3-L

2.7 302-8516624 PS MODS HVAC CREW MESS

2.8 303-8515488 LS HVAC UPGR MN DK FR 6-12

2.9 113-8506668 FDN HVAC UPGR

2.10 502-8507409 CHW & CNDS DR MODS MNDK FR6-12

2.11 302-8515487 PS HVAC UPGR MN DK FR 6-12

3. REQUIREMENTS:

3.1 Accomplish the requirements of 2.2 through 2.11 for the rip out, installations and modifications of the barge HVAC systems.

3.1.1 Accomplish the requirements of 009-12 of 2.1, including Table One, Column B, Lines One through 10 and Table 3, Column A, C and D, lines One through 7.

3.1.2 Accomplish the requirements of 009-25 of 2.1 for an air hose test of watertight boundaries affected by work in this work item. Allowable leakage: None

(V)(G) "OPERATIONAL TEST"

3.2 Accomplish an operational test of all HVAC equipment and controls for proper operation within their designed control limits.

(V)(G) "VOLUMETRIC/BALANCING TESTING"

3.2.1 Accomplish testing and balancing for systems installed new and modified portions of the existing systems to ensure delivery of not less than 100 percent nor more than 110 percent of design air quantity to each diffuser and grill

3.3 Accomplish the requirements of 009-32 of 2.1 for new and disturbed surfaces.

4. NOTES: NONE

SHIP: YRBM 25

ITEM NO: 509-28-001 Rev A

COAR:

PCN:

CMP:

PLANNER: CROWELL

1. SCOPE:

1.1 Title: Fresh Water Shore Connection Piping ; repair

1.2 Location of Work:

1.2.1 Main Weather Deck (STBD), Approximately 6 Inches Fwd of Frame 10.

1.3 Identification:

1.3.1 Tee, 2-1/2 NPS, Bronze, SB, MIL-F-1183, PN 605121.450 or equal

1.3.2 Elbow, 90 Deg, 2-1/2 NPS, Bronze, SB, MIL-F-1183, PN 605101.450 or equal

1.3.3 Ball Valve, 2-1/2 NPS, Union End, Bronze, PN 375532.450 or equal

1.3.4 Tubing, 2-1/2 NPS, 0.083 thk, CUNI 90/10, CL-200, PN 710200.450 or equal

1.3.5 Deck sleeve, 2-1/2", P-2, Steel, NSN 2040-00-277-5784 or equal

2. REFERENCES:

2.1 Standard Item 009-12 Welding, Fabrication, and Inspection Requirements;
accomplish

2.2 Liaison Action Record: Repair/YRBM 25/7656 Rev A

2.3 Standard item 009-32 Cleaning and Painting Requirements; accomplish

2.4 Standard item 009-11 Insulation and Lagging Requirements; accomplish

3. REQUIREMENTS:

3.1 Accomplish the requirements of 2.2 including the removal of existing and installation of new Fresh Water Shore Connection piping assembly items listed in 1.3, located in 1.2, in accordance with 2.2. Also replace existing deck penetration sleeve with new steel deck sleeve of 1.3.5.

3.1.1 Accomplish the requirements of 2.1, including Table One, Column B, Lines One through 10 and Table 3, Column A, C and D, lines One through 7.

(V)(G) "OPERATIONAL TEST"

3.2 Accomplish an operational test of the Fresh Water System at normal operating conditions.
Allowable Leakage: None

3.3 Accomplish the requirements of 2.3 & 2.4 for new and disturbed surfaces.

4. NOTES: NONE

SHIP: YRBM 25

ITEM NO: 516-28-001 Rev A

COAR:

PCN:

CMP:

PLANNER: CROWELL

1. SCOPE:

1.1 Title: Freeze And Chill Box; replace

1.2 Location of Work:

1.2.1 Dry Provision Storeroom (2-3-1-A)

1.2.2 Dry Provision Storeroom (2-3-2-A)

1.2.3 Handling Area (2-3-0-Q)

1.2.4 04 Level, Port Side

1.2.5 Refrigerant Piping Run between Freeze & Chill Box Coolers and Topside
Condensers

1.3 Identification:

1.3.1 Walk-In Freezer Box, 8'2" x 13'8", Fiberglass

1.3.2 Walk-In Chill Box, 8'2" x 9'7", Fiberglass

2. REFERENCES:

2.1 Standard Items (FY 15)

2.2 845-8336951 YRBM 25 Booklet of General Drawings

2.3 102-4382477 Rev B Inner Bottom Structure

2.4 S9086-RW-STM-010/CH516, REFRIGERATION SYSTEMS

3. REQUIREMENTS:

3.1 Accomplish the requirements to replace existing walk-in refrigeration and freezer box assemblies with new of similar size and configuration as existing.

- 3.1.1 New box panels shall be installed in accordance with manufacturer's instructions.
- 3.1.2 Box panels shall be expanded polystyrene core with skins made of fiberglass reinforced plastic.
- 3.1.3 Install and weld 3-inch by 3-inch by ¼-inch angle iron 3-inch long to the deck and against the perimeter floor box panels to secure from movement. Install 2-each angle iron to each floor panel side.
- 3.2 Crop out a total of 260 square feet of existing deteriorated steel decking located below both chill and freezer box in 1.2 and replace with new 3/16", ABS Grade A steel plate, using 2.3 as guidance and as directed by the SUPERVISOR.
 - 3.2.1 Accomplish the requirements of 009-25 of 2.1 for the air hose test of all new welds.
- 3.3 Accomplish the requirements of 009-12, Table 3, Column A and D, Lines One through 7 and Table One, Column B, Lines One through 10.
- 3.4 Replace with new the chill and freezer refrigeration unit from the fan coil units to the condensing units. New units shall be:
 - 3.4.1 Similar BTU capacity as existing.
 - 3.4.2 Similar electrical power requirements as existing.
 - 3.4.3 Shall use a refrigerant gas that is not Class I or Class II substance as defined by the Clean Air Act.
 - 3.4.4 Inspect all external electrical cables exposed to the weather and submit a Condition Found Report.
 - 3.4.5 Route all external electrical cables exposed to the weather through steel conduit. Insulate all external piping.
 - 3.4.6 Accomplish the requirements of 009-71 of 2.1 for new and disturbed piping.
 - 3.4.6.1 Leak testing to be performed per 2.4, paragraphs 516-8.2.12 to 516-8.2.15.
 - 3.4.7 Accomplish the requirements of 009-107 of 2.1.
 - 3.4.7.1 General cleaning shall be cleanliness Level II.

(V)(G) "OPERATIONAL TEST"

3.5 Accomplish an operational test of equipment, piping, electrical components and controls for proper operation.

3.6 Accomplish the requirements of 009-32 of 2.1 for all new and disturbed surfaces.

4. NOTES:

4.1 None

SHIP: YRBM 25

ITEM NO: 530-28-001 Rev A

COAR:

PCN:

CMP:

PLANNER: CROWELL

1. SCOPE:

1.1 Title: Water Heater Room ; repair

1.2 Location of Work:

1.2.1 Water Heater Room (03-13-0-E)

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 Standard Item 009-12 Welding, Fabrication, and Inspection Requirements; accomplish

2.2 Standard item 009-32 Cleaning and Painting Requirements; accomplish

2.3 Standard item 009-11 Insulation and Lagging Requirements; accomplish

2.4 MIL-STD-777, Schedule of Piping, Valves, Fittings, and Associated Piping Components for Naval Surface Ships.

3. REQUIREMENTS:

3.1 Disassemble , remove and dispose of the water softener system located in 1.2.1. The water softener system includes 2 tanks and associated piping. Modify the inlet supply pipe to connect with the outlet discharge pipe.

- 3.1.1 Accomplish the requirements of 009-12 of 2.1, Table One, Column B, Lines One through 10.

- 3.2 Inspect deck plating inside coaming area for corrosion. Submit "Condition Found Report".

- 3.3 Accomplish the requirements of 009-32 of 2.2, Table 3, Line 1, Column E to entire deck in compartment of 1.2.1

- 3.4 Accomplish the requirements of 009-11 & 009-32, for new and disturbed areas, including paint and insulation under the deck.

- 4 NOTES: NONE

- 5. GOVERNMENT FURNISHED MATERIAL (GFM): NONE

SHIP: YRBM 25

ITEM NO: 613-28-001 Rev A

COAR:

PCN:

CMP:

PLANNER: CROWELL

1. SCOPE:

1.1 Title: Awning Canopy; replace

1.2 Location of Work:

1.2.1 03 Level (Frame 2-9)

1.3 Identification:

1.3.1 Premium Poly Max Bulk Polyethylene Knitted Shade

2. REFERENCES:

2.1 Standard Item 009-12 Welding, Fabrication, and Inspection Requirements; accomplish

2.2 Standard item 009-32 Cleaning and Painting Requirements; accomplish

2.3 Standard item 009-11 Insulation and Lagging Requirements; accomplish

3. REQUIREMENTS:

3.1 Procure and install a replacement wind barrier shade panel canopy on existing awning framework, for area in 1.2 using material listed in 1.3 and as follows:

3.1.1 Material shall be UV-resistant polyethylene yarn.

3.1.2 Shall be rated 70 percent wind/sun blockage.

3.1.3 Panels shall be reinforced on all four sides with tape and grommets every 2-feet on center.

3.1.4 Canopy shall be lashed to existing framework with 3/8-inch diameter polyester rope.

- 3.1.5 Extents of canopy shall be from frame 2 to frame 8 and from 03 level starboard side over the frame top to 03 level port.
- 3.1.6 Awning material shall be fire resistant to NFPA-701.
- 3.2 Replace all deck connection padeyes with new made from same thickness OS steel plate. Replace all fasteners with new fasteners of same size, steel material and zinc coated.
- 3.3 Prep, prime and paint the corroded areas around all canopy framework connections, top & bottom in accordance with 2.2, Table 2, Line 1 or 2 or 3 or 4.
- 3.4 Accomplish the requirements of 009-32 of 2.2 & 2.3 for all new and disturbed surfaces.

4. NOTES: NONE

SHIP: YRBM 25

ITEM NO: 634-28-001 Rev A

COAR:

PCN:

CMP:

PLANNER: CROWELL

1. SCOPE:

1.1 Title: Interior PRC Decking; resurface and repair

1.2 Location of Work:

1.2.1 Existing Interior PRC Decking Throughout the Ship

1.2.1.1 Excluding decking in 1.2.2 through 1.2.10

1.2.2 Dry Provision Storeroom (2-3-1-A)

1.2.3 Dry Provision Storeroom (2-3-2-A)

1.2.4 Holding Area (2-3-0-Q)

1.2.5 Office (2-13-1-Q)

1.2.6 Office (2-13-2-Q)

1.2.7 Passage (2-13-0-L)

1.2.8 Scullery (1-5-1-Q)

1.2.9 Fan Room (1-6-3-E)

1.2.10 WR Pantry (02-2-2-Q)

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

- 2.1 Standard Items (FY 15)
- 2.2 845-8336951 Rev A YRBM 25 Booklet of General Drawings

3. REQUIREMENTS:

- 3.1 Accomplish the requirements of 009-26 of 2.1, including Attachment C, paragraphs A to D for all interior decks listed in 1.2.1 through 1.2.10.
 - 3.1.1 All new cosmetic polymeric (PRC) decking shall be MIL-PRF-24613 Type II, Class 2. Base coat shall be beige in color and color flakes shall be dark brown, similar to the existing decking in the Main Deck Passage (1-10-0-L).
 - 3.1.1.1 The same color PRC shall be used on all decks resurfaced or installed.
 - 3.1.1.2 All decks resurfaced or installed shall include a 4" cove.
 - 3.1.2 Accomplish the requirements of 009-26 of 2.1 Attachment C, paragraph F for resurfacing of PRC decks listed in 1.2.1.
 - 3.1.2.1 16,040 square feet of decking and 6,200 linear feet of 4" high cove to be resurfaced.
 - 3.1.3 Accomplish the requirements of 009-26 of 2.1 paragraph 3.5, paragraph 3.7, AND Attachment C, paragraph E for installation of new PRC decks listed in 1.2.2 through 1.2.10.
 - 3.1.3.1 1,970 square feet of decking and 380 linear feet of 4" high cove to be installed.
 - 3.1.3.2 Underlayment shall be installed per manufacturer's instructions to make new decks level with existing decks.
 - 3.1.3.3 Primer used on the steel decking shall be compatible with underlayment installed per 3.1.3.2.

- 3.1.4 Aggregate (e.g., glass beads) is required in the seal coat for all PRC decking resurfaced or installed to provide slip resistance.
 - 3.1.4.1 CPO & Crew Mess (1-1-0-L) decking shall not include aggregate for slip resistance.
 - 3.2 Do not remove equipment or furniture that is welded to the deck or connected to a deck foundation to accomplish 3.1 (e.g. Bunks).
 - 3.2.1 This does not remove the requirement to accomplish 3.1 under equipment where the decking is visible and accessible (e.g. galley counters).
 - 3.3 Accomplish the requirements of 009-32 of 2.1 for all new and disturbed surfaces.
- 4 NOTES: NONE
5. GOVERNMENT FURNISHED MATERIAL (GFM): NONE

SHIP: YRBM 25

ITEM NO: 634-28-002 Rev A

COAR:

PCN:

CMP:

PLANNER: CROWELL

1. SCOPE:

1.1 Title: Peel and Stick Nonskid ; replace

1.2 Location of Work:

1.2.1 Above Water Heater Room, (04 Level)

1.2.2 Weather Deck, (03 Level)

1.2.3 Vestibule, (02-16-2-L)

1.2.4 Vestibule, (02-0-2-L)

1.2.5 Vestibule, (01-16-2-L)

1.2.6 Vestibule, (01-0-2-L)

1.2.7 Vestibule, (1-16-0-L)

1.2.8 Vestibule, (1-0-2-L)

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

- 2.1 Standard Items (FY 15)
- 2.2 845-8336951 Rev A, YRBM 25 Booklet of General Plan
- 2.3 107-4382478 Rev A, Main Deck Structure

3. REQUIREMENTS:

- 3.1 Install shrouds, curtains, and/or other masking material to contain environmental pollutants and provide care and protection of surrounding equipment during preservation operations.
- 3.2 Accomplish the requirements of 009-32 of 2.1, including Table 2, Line 15, Column A through E for deck gray surfaces listed in 1.2, using 2.2 and 2.3 for guidance.
 - 3.2.1 Accomplish the requirements of 009-32 of 2.1, Note 51 for full intermediate primer coat in accordance with the manufacturer's instructions.
- 3.3 Accomplish the requirements of 009-32 of 2.1 for new and disturbed surfaces.

4. NOTES: NONE

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0003	Destination	Government	Destination	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0003	POP 02-SEP-2014 TO 31-OCT-2014	N/A	N/A FOB: Destination	

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97 X 4930 ND2A 000 40446 0 000033 2F000000000000000000

AMOUNT: \$829,967.73

CIN N4044614RCN72190001: \$829,967.73