

DEPARTMENT OF THE NAVY
FDRMC NAPLES

FPO, AE



USS OSCAR AUSTIN (DDG 79)

SPECIFICATIONS FOR WORK TO BE ACCOMPLISHED

SPECIFICATION NUMBER: NAPL-007-27

SHIP CHARACTERISTICS

LENGTH OVERALL	509 FEET	0 INCHES
MAX. BEAM AT DESIGN WATERLINE	59 FEET	0 INCHES
EXTREME BEAM INCLUDING APPENDAGES	0 FEET	0 INCHES
DRAFT (MAX. NAVIGABLE) (FWD.)	21 FEET	9 INCHES
DRAFT (MAX. NAVIGABLE) (AFT.)	22 FEET	2 INCHES
LIGHT DISPLACEMENT	7,018	LONG TON
FULL LOAD DISPLACEMENT	9,211	LONG TON
HEIGHT OF MAST ABOVE DESIGN WATERLINE	150 FEET	1 INCHES

INCLUDES ALL CHANGES THROUGH 10/8/2026

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ITEMS THAT ARE STRUCK OUT IN THIS INDEX DO NOT APPLY TO THIS CONTRACT.

CATEGORY I. FY-27 STANDARD ITEMS APPLICABLE TO THIS JOB ORDER WITHOUT FURTHER REFERENCE.

<u>ITEM NO.</u>	<u>TITLE</u>	<u>CHANGE DATE</u>	<u>CHANGE</u>
009-001	General Criteria; accomplish	10/01/2024	Original
009-002	Environmental Compliance Report for Material Usage; accomplish	10/01/2024	Original
009-003	Toxic and Hazardous Substance; control	10/01/2024	Original
009-004	Quality Management System; provide	10/01/2024	Original
009-005	Temporary Access; accomplish	11/18/2024	CH-1
009-006	Maintaining Protection and Cleanliness from Non-Radioactive Operations; accomplish	10/01/2024	Original
009-007	Confined Space Entry, and Certification; accomplish	10/01/2024	Original
009-008	Shipboard Fire Protection and Fire Prevention; accomplish	10/01/2024	Original
009-010	Asbestos-Containing Material (ACM); control	10/01/2024	Original
009-018	Mine Warfare Ships Magnetic Material; control	10/01/2024	Original
009-019	Provisioning Technical Documentation (PTD); provide	10/01/2024	Original
009-020	Government Property; control	10/01/2024	Original
009-021	Alteration Verification, Logistic and Technical Data; provide	10/01/2024	Original
009-023	Interference; remove and install	11/18/2024	CH-1
009-024	Authorization, Control, Isolation, Blanking, Tagging, and Cleanliness; accomplish	10/01/2024	Original
009-034	Fire Protection of Unmanned Vessel at Contractor Facility; accomplish	10/01/2024	Original
009-039	Technical Manual Contract Requirement (TMCR) for a New Technical Manual for Commercial Equipment/Component; accomplish	10/01/2024	Original
009-040	Contractor Crane, Multi-Purpose Machine and Material Handling Equipment at a Naval Facility; provide	10/01/2024	Original
009-060	Schedule and Associated Report for CNO Availability; provide and manage	10/01/2024	Original
009-061	Shipboard Use of Fluorocarbons; control	10/01/2024	Original
009-067	Integrated Total Ship Testing; manage	10/01/2024	Original
009-068	Availability Work Certification (AWC) Data for Chief of Naval Operations (CNO) Availabilities; provide	10/01/2024	Original
009-069	Heavy Weather/Mooring Plan; provide	10/01/2024	Original
009-070	Confined Space Entry, Certification, Fire Protection, Fire Prevention and Housekeeping for Unmanned Vessels; accomplish	10/01/2024	Original
009-072	Physical Security at a Private Contractor Facility; accomplish	10/01/2024	Original
009-073	Shipboard Electrical/Electronic Cable Procedure; inspect, test, install, remove, and repair	10/01/2024	Original
009-074	Occupational, Safety and Health Plan; accomplish	10/01/2024	Original
009-080	Ship Facility; maintain	10/01/2024	Original
009-081	Compartment Closeout; accomplish	10/01/2024	Original
009-082	Installation of Equal Component Vice Specified Component; report	10/01/2024	Original
009-084	Threaded Fastener Requirement; accomplish	10/01/2024	Original
009-088	Collection, Holding and Transfer (CHT) and Motor Gasoline (MOGAS) Tank, Space, and Piping, including Sewage or MOGAS-Contaminated Tank, Space, and Piping; certify	10/01/2024	Original
009-093	Emergency Planning and Community Right-to-Know Act (EPCRA) and Pollution Prevention Act (PPA) Information; provide	10/01/2024	Original

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<u>ITEM NO.</u>	<u>TITLE</u>	<u>CHANGE DATE</u>	<u>CHANGE</u>
009-099	Ship Departure Report; provide	10/01/2024	Original
009-100	Ship's Stability; maintain	10/01/2024	Original
009-101	Ship Transit and Berthing; accomplish	10/01/2024	Original
009-106	Work Authorization Form Coordinator (WAFCOR); provide	10/01/2024	Original
009-109	Non-SUBSAFE Work on SUBSAFE-Certified Vessel; accomplish	10/01/2024	Original
009-110	Non-Nuclear Work on a Nuclear Vessel; accomplish	10/01/2024	Original
009-111	Schedule and Associated Report for Non-CNO Availability; provide and manage	10/01/2024	Original
009-117	Combat Systems, Light-Off Support; provide	10/01/2024	Original
009-118	CG Deck Loading; accomplish	10/01/2024	Original
009-120	Fact Finding and Critique of Unplanned Event; manage	10/01/2024	Original
009-122	Temporary Padeye; install and remove	11/18/2024	CH-1
009-125	Boat 65 Feet (20meters) Long and Less; accomplish	11/18/2024	CH-1
009-126	Schedule Model Review (SMR); accomplish	10/01/2024	Original

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CATEGORY II. FY-27 STANDARD ITEMS WHICH MAY BE INVOKED IN THE WORK ITEMS OF THIS JOB ORDER.

<u>ITEM NO.</u>	<u>TITLE</u>	<u>CHANGE DATE</u>	<u>CHANGE</u>
009-011	Insulation and Lagging; accomplish	10/01/2024	Original
009-032	Cleaning and Painting Requirements; accomplish	06/06/2025	CH-2
009-071	Piping System; test	10/01/2024	Original

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<u>ITEM NO.</u>	<u>TITLE</u>
100-11-001	Crane and Rigging Service; provide
256-61-001	Sea Water Service Check Valve; install
635-11-001	Lagging; accomplish
651-11-001	Steam Jacketed Kettle Hydrostatic Test; accomplish
992-31-001	Pumping Services; provide
993-11-001	Rigging, Crane and Forklift Service for Gas Turbine Module Changeout; provide

SHIP: USS OSCAR AUSTIN (DDG 79) ITEM NO: 100-11-001
COAR: 26 PCN: ER04-4806
CMP: NONE
PLANNER: KRIEGER, DANIEL
LAFONTAINE,
CHRISTOPHER
STAPLES,
MICHAEL.FDRMC

1. SCOPE:

1.1 Title: Crane and Rigging Service; provide

1.2 Location of Work:

1.2.1 KTR Facility Pier/Flight Deck/Aft AFFF Station (1-300-1-Q)

1.3 Identification:

1.3.1 Quantity (One EA), Number One and 2 Aqueous Film Forming Foam (AFFF) Concentrate Pump, 70 GPM, 170 PSI, 680 RPM, Mfr. Dwg.: E-4540 Piece 48, Mfr. ID: E-4540 Piece 48 X2NFM-TB, Mfr.: Dover Fluid Management Inc., APL: 016200712

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY27 CH-2)

3. REQUIREMENTS:

(V) (G) "WEIGHT HANDLING EQUIPMENT INSPECTION"

3.1 Provide crane and rigging services. Inspect crane and all rigging gear being utilized and ensure they are certified for use. Crane and all rigging equipment shall be within calibration for dates work is to be accomplished.

3.1.1 Rig out and dispose of existing pump identified in 1.3.1 and located in 1.2. Provide rigging services to relocate new pump identified in 1.3.1 from the flight deck to 1.2.1, the Aft AFFF Station (1-300-1-Q). The existing and new pumps weigh approximately 1,000 pounds.

3.1.2 Crane off old equipment listed in 1.3, as designated by the SUPERVISOR.

(V) (G) "COMPARTMENT CLOSEOUT"

3.2 Accomplish a joint inspection with the SUPERVISOR and the Commanding Officer's designated representative upon completion, inspection, and acceptance, by the contractor, of work within each compartment. Ensure Attachment A, Work Completion Certification, is completed in accordance with 009 004 of 2.1.

4. NOTES:

4.1 Ship's Force will be securing AFF system prior to work commencing, disconnecting existing pump and installing new pump.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

SHIP: USS OSCAR AUSTIN (DDG 79)

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: USS OSCAR AUSTIN (DDG 79) ITEM NO: 256-61-001
COAR: 26 PCN: EA01-6914
CMP: NONE
PLANNER: KRIEGER, DANIEL
LAFONTAINE,
CHRISTOPHER
STAPLES,
MICHAEL.FDRMC

1. SCOPE:

- 1.1 Title: Sea Water Service Check Valve; install
- 1.2 Location of Work:
 - 1.2.1 Auxiliary Machinery Room One (4-126-0-E)
- 1.3 Identification:
 - 1.3.1 Quantity (One EA), Number One Seawater Pump Discharge Check Valve, 8 Inch IPS, 250 PSI, MFR ID: 803-1385637-082, APL: 882037507

2. REFERENCES:

- 2.1 NAVSEA Standard Items, (FY27 CH-2)
- 2.2 256-6567450 Rev N, Seawater Cooling System Diagram
- 2.3 802-5959353 Rev BT, MIL-STD-777D Modified for DDG-51 Class, Schedule of Piping, Valves, Fittings, and Associated Piping Components
- 2.4 S9086-RK-STM-010/CH-505 Rev 6, Piping Systems

3. REQUIREMENTS:

3.1 Remove existing and install new each check valve listed in 1.3, provided in 5.1, and located in 1.2, using 2.2 for guidance. The valve weighs approximately 600 pounds. Retain all hardware for reuse. Upon removal of existing hardware immediately inspect, identify and report any damage or deterioration to the SUPERVISOR.

3.1.1 Restore each piping flange mating surface exposed by disassembly of piping system. Repair by removing each high spot, burr, abrasion, and foreign matter, where removal can be accomplished by hand tools. Maintain phonographic finish on each flange that has it.

3.1.2 Chase and tap each exposed threaded area.

3.1.3 Each new material must conform to 2.3, including Category and Group D-1.

(V) (G) "OPERATIONAL TEST"

3.2 Accomplish an operational test of each new and disturbed seawater piping at normal system operating pressure using normal system fluid, using Paragraph 505-11 of 2.4 for guidance. Allowable leakage: None.

(V) (G) "COMPARTMENT CLOSEOUT"

3.3 Accomplish a joint inspection with the SUPERVISOR and the Commanding Officer's designated representative upon completion, inspection, and acceptance, by the contractor, of work within each compartment. Ensure

SHIP: USS OSCAR AUSTIN (DDG 79)

Attachment A, Work Completion Certification, is completed in accordance with 009 004 of 2.1.

4. NOTES:

4.1 Receive the check valve listed in 5.1 from Ship's Force via the SUPERVISOR.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

	TOTAL QUANTITY PROVIDED	NAME Of PART	PIECE NO.	REF NO.	NATIONAL STOCK NO.	REQ PARA NO.
1.	1 EA	Check Valve	N/A		4820-00- 878-4325	

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: USS OSCAR AUSTIN (DDG 79) ITEM NO: 635-11-001
COAR: 26 PCN: See Attachment A
CMP: NONE
PLANNER: KRIEGER, DANIEL
LAFONTAINE,
CHRISTOPHER
STAPLES,
MICHAEL.FDRMC

1. SCOPE:

1.1 Title: Lagging; accomplish

1.2 Location of Work:

- 1.2.1 Special Clothing Store Room, (4-110-3-A)
- 1.2.2 Access Trunk, (3-116-1-T)
- 1.2.3 Communication Center, (2-126-1-C)
- 1.2.4 Interior Communication and Gyroscope Room, (3-300-0-C)
- 1.2.5 Fan-Room Structure, (01-300-2-Q)
- 1.2.6 CIWS Weapons and Aviation Ordnance, (01-300-0-Q)
- 1.2.7 Access Trunk, (1-338-4-T)
- 1.2.8 Engine Room Number 2, (4-254-0-E)
- 1.2.9 Central Control Station and Damage Control, (1-268-0-C)
- 1.2.10 General Workshop, (2-200-2-Q)
- 1.2.11 Supply Department Storeroom Number 3, (4-370-5-A)
- 1.2.12 State Room, (02-145-2-L)
- 1.2.13 State Room, (02-126-2-L)
- 1.2.14 Commanding Officer Sea Cabin, (4-158-1-L)
- 1.2.15 Crew Living Space Number 7, (3-350-2-L)
- 1.2.16 Bulk Storeroom, (0.5-42-2-A)

1.3 Identification:

- 1.3.1 Quantity (8 LF), Chill Water Piping Insulation, located in 1.2.1.
- 1.3.2 Quantity (8 LF), Hot Water Piping Insulation, located in 1.2.1.
- 1.3.3 Quantity (16 SQFT), Bulkhead Insulation, located 1.2.2
- 1.3.4 Quantity (2 SQFT), Bulkhead Insulation, located 1.2.3
- 1.3.5 Quantity (2 SQFT), Bulkhead Insulation, located 1.2.4
- 1.3.6 Quantity (1 SQFT), Bulkhead Insulation, located 1.2.5
- 1.3.7 Quantity (2 SQFT), Bulkhead Insulation, located 1.2.6
- 1.3.8 Quantity (3 SQFT), Bulkhead Insulation, located 1.2.7
- 1.3.9 Quantity (2 LF), Sea Water Piping Insulation, located in 1.2.8

- 1.3.10 Quantity (3 LF), Sea Water Piping Insulation, located in 1.2.8
- 1.3.11 Quantity (3 LF), Fuel Drain Piping Insulation, located in 1.2.8
- 1.3.12 Quantity (3 LF), Cooling Water Piping Insulation, located in 1.2.8
- 1.3.13 Quantity (2 LF), Sea Water Piping Insulation, located in 1.2.8
- 1.3.14 Quantity (2 SQFT), Bulkhead Insulation, located 1.2.8
- 1.3.15 Quantity (6 LF), Sea Water Piping Insulation, located in 1.2.8
- 1.3.16 Quantity (6 SQFT), Bulkhead Insulation, located 1.2.9
- 1.3.17 Quantity (2 SQFT), Bulkhead Insulation, located 1.2.10
- 1.3.18 Quantity (338 SQFT), Bulkhead Insulation, located 1.2.11
- 1.3.19 Quantity (2 SQFT), Bulkhead Insulation, located 1.2.12
- 1.3.20 Quantity (2 LF), 8 Inch, Sea Water Piping Insulation, located in 1.2.13
- 1.3.21 Quantity (7 LF), One Inch, Sea Water Piping Insulation, located in 1.2.14
- 1.3.22 Quantity (20 SQFT), Ventilation Insulation, located in 1.2.15
- 1.3.23 Quantity (2 SQFT), Bulkhead Insulation, located 1.2.16

2. REFERENCES:

- 2.1 NAVSEA Standard Items, (FY27 CH-2)
- 2.2 804-5959214 Rev C, Piping Insulation - Installation Details
- 2.3 508-6218533 Rev V, Piping & Machinery Insulation Schedule
- 2.4 MIL-STD-769K CHG 1, Insulation Requirements for U.S. Naval Vessels

3. REQUIREMENTS:

3.1 Record and document any compartment designations, equipment labeling, and system markings affected by the accomplishment of this work specification.

3.1.1 Submit one legible copy, in hard copy or approved transferrable media, of a report in English, listing the results of 3.1 to the SUPERVISOR.

3.2 Remove existing and install new insulation and lagging material for the equipment listed in 1.3, located in 1.2, using 2.2 through 2.4 as guidance.

3.3 Accomplish the requirements of 009-011 of 2.1 in locations listed in 1.2 for the installation of new insulation and lagging removed in 3.2, using 2.2 through 2.4 as guidance.

(V) (G) "COMPARTMENT CLOSEOUT"

3.4 Accomplish a joint inspection with the SUPERVISOR and the Commanding

Officer's designated representative upon completion, inspection, and acceptance, by the contractor, of work within each compartment. Ensure Attachment A, Work Completion Certification, is completed in accordance with 009 004 of 2.1.

4. NOTES:

4.1 Ships Force will accomplish the painting requirement for 3.2 of 009-011, for new insulation, lagging, and reusable covers to match surrounding areas.

4.2 Ship's Force will need to secure systems that produce condensation on surfaces to be insulated or lagged. Contractor is to notify and coordinate with Ship's Force to ensure system has sufficient time to mitigate condensation.

5. GOVERNMENT FURNISHED MATERIAL (GFM) :

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP:

USS OSCAR AUSTIN (DDG 79)

Attachment A
PCN Identification

SS02-4454	DEGRADED LAGGING
SS02-4474	DEGRADED LAGGING
EM04-4751	DEGRADED LAGGING
ER01-3803	LAGGING JOB
EA01-6820	LAGGING REQUEST
EM02-3862	LAGGING REQUIRED
EM02-3762	STO LAGGING.
EM02-3860	LAGGING REQUIRED
SS02-4475	DEGRADED LAGGING
SS02-4545	MISSING LAGGING
CG03-2330	LAGGING HOLE ON OVERHEAD
CG04-3910	LAGGING MT 22 CEILING
CA02-1365	LAGGING IN BERTHING 2 TRUNK
CM02-1194	DEGRADED LAGGING
SS03-0517	DEGRADED LAGGING
SS01-0260	DEGRADED LAGGING
CE01-2974	DAMAGED LAGGING
EM02-3861	LAGGING REQUIRED
EM02-3759	STO LAGGING.
CC01-4219	DAMAGE LAGGING
EM02-3859	LAGGING REQUIRED
EM02-3863	LAGGING REQUIRED

SHIP: USS OSCAR AUSTIN (DDG 79) ITEM NO: 651-11-001
COAR: 26 PCN: EE02-L037
EE02-L038
EE02-L036
CMP: NONE
PLANNER: KRIEGER, DANIEL
STAPLES,
MICHAEL.FDRMC

1. SCOPE:

- 1.1 Title: Steam Jacketed Kettle Hydrostatic Test; accomplish
- 1.2 Location of Work:
 - 1.2.1 Crew/Chief Petty Officer Galley (1-191-0-Q)
- 1.3 Identification:
 - 1.3.1 Quantity (One EA), Steam Jacketed Kettle, 10 Gallon, Mfr: Dover, Model TDB-40, APL 43A040063, Item Number 245, Sheet 5 of 2.3
 - 1.3.2 Quantity (One EA), Steam Jacketed Kettle, 20 Gallon, Mfr: Dover Steam, Model EE-20, APL 43A010075, Item Number 215, Sheet 5 of 2.3
 - 1.3.3 Quantity (One EA), Steam Jacketed Kettle, 40 Gallon, Mfr: Dover, Model EE-40, APL 430470067, Item Number 214, Sheet 5 of 2.3

2. REFERENCES:

- 2.1 NAVSEA Standard Items, (FY27 CH-2)
- 2.2 Maintenance Requirement Card, MRC Control Number: 95 G5Z6 Y (Hydrostatically Test Steam Jacket of Electrically Operated Steam Kettle)
- 2.3 651-8436197 Rev A, ShipAlt DDG-51-71605 DDGM, Advanced Galley Instl Crew/CPO Arr Mods & Ml
- 2.4 65111-3-009 Rev A/1, Steam Kettle Operational Test

3. REQUIREMENTS:

- 3.1 Accomplish the requirements of 2.2, using 2.3 and 2.4 for guidance.

(V) (G) "VISUAL INSPECTION"

- 3.1.1 Visually inspect each Steam Jacket Kettle for bulging or cracks in accordance with 2.2. Accept/Reject Criteria: No bulging or cracks.

(V) (G) "HYDROSTATIC TEST"

- 3.1.2 Accomplish the requirements of 009-071 of 2.1 for the shipboard hydrostatic test of each steam jacket kettle listed in 1.3, in each location listed in 1.2.
 - 3.1.2.1 Hydrostatic test each steam kettle using clean, fresh water at 45 PSIG for a minimum of 30 minutes. Allowable leakage: None.
- 3.1.3 Install a metal tag with test pressure and date accomplished in accordance with Paragraph g. of 2.2.

3.1.4 Submit one legible copy, in approved transferrable media, of a report in English, listing the identification tag test data for each steam kettle tested to the SUPERVISOR.

(V) (G) "OPERATIONAL TEST"

3.2 Accomplish an operational test of each steam kettle tested in 3.1 in accordance with 2.4. Allowable leakage: None.

(V) (G) "COMPARTMENT CLOSEOUT"

3.3 Accomplish a joint inspection with the SUPERVISOR and the Commanding Officer's designated representative upon completion, inspection, and acceptance, by the contractor, of work within each compartment. Ensure Attachment A, Work Completion Certification, is completed in accordance with 009 004 of 2.1.

4. NOTES:

4.1 Ships force will supply the hazmat for step "1" of 2.2. (MIL-S-45180, TYII)

5. GOVERNMENT FURNISHED MATERIAL (GFM) :

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: USS OSCAR AUSTIN (DDG 79) ITEM NO: 992-31-001
COAR: 26 PCN: SERV-L272
CMP: NONE
PLANNER: KRIEGER, DANIEL
STAPLES,
MICHAEL.FDRMC

1. SCOPE:

- 1.1 Title: Pumping Services; provide
- 1.2 Location of Work:
 - 1.2.1 Auxiliary Room Number One (4-126-0-E)
 - 1.2.2 A/C Machinery and Pump Room (5-300-01-E)
- 1.3 Identification:
 - 1.3.1 Not Applicable

2. REFERENCES:

- 2.1 NAVSEA Standard Items, (FY27 CH-2)
- 2.2 S9086-T8-STM-010 /CH-593 Rev 8, Pollution Control

3. REQUIREMENTS:

- 3.1 Provide pumping services to spaces listed in 1.2, for removal, storage, and disposal of up to 10,000 gallons of HAZMAT liquids to include but not limited to fresh water, salt water, bilge water, oil and oily waste and AFFF, in accordance with 2.2.

- 3.1.1 Remove pumping equipment upon completion of work.

(V) (G) "COMPARTMENT CLOSEOUT"

- 3.2 Accomplish a joint inspection with the SUPERVISOR and the Commanding Officer's designated representative upon completion, inspection, and acceptance, by the contractor, of work within each compartment. Ensure Attachment A, Work Completion Certification, is completed in accordance with 009 004 of 2.1.

4. NOTES:

- 4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

- 1. None.

5.2 PUSH MATERIAL:

- 1. None.

5.3 KITTED MATERIAL:

- 1. None.

SHIP: USS OSCAR AUSTIN (DDG 79) ITEM NO: 993-11-001
COAR: 26 PCN: SERV-L270
SERV-L271
CMP: NONE
PLANNER: KRIEGER, DANIEL
ROSSEN, ALEXA
STAPLES,
MICHAEL.FDRMC

1. SCOPE:

1.1 Title: Rigging, Crane and Forklift Service for Gas Turbine Module Changeout; provide

1.2 Location of Work:

1.2.1 Throughout the Ship

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY27 CH-2)

3. REQUIREMENTS:

(V) (G) "WEIGHT HANDLING EQUIPMENT INSPECTION"

3.1 Provide crane and each material handling service, to include a man basket for personnel and a material basket, forklift, transportation, riggers, and an operator during the entire availability for loading, transporting, and unloading material and equipment in support of a Gas Turbine Module Changeout. Inspect all weight handling equipment and rigging gear being utilized and ensure they are certified for use. All weight handling and rigging equipment shall be within calibration for dates work is to be accomplished.

3.1.1 Accomplish a total of 60 crane lifts at 20,000 pound maximum per lift.

3.1.1.1 Crane must be capable of handling material from the top of the mast to the furthest outboard point of the ship.

3.1.1.2 Man basket must be minimum 3x3 SQFT.

3.1.1.3 Material basket must be able to safely hold 1000lbs.

3.1.2 Accomplish a total of 25 forklift lifts at 15,000 pound maximum per lift.

3.1.3 Provide 240 man-hours for rigging of ships force material.

3.1.4 Provide a lay down area and enclosed space for equipment and material. Enclosed space shall be no less than 400 SQFT and be at a height of 9 feet.

3.2 Install and maintain each steel tube and clamp type scaffolding in the location listed in 1.2.1, with sufficient level and projection to safely reach and accomplish each required task in support of marine gas turbine change out.

- 3.2.1 Planking must be secured (cleated) to preclude shifting.
- 3.2.2 Scaffolding must be capable of sustaining a load of 1,200 pounds at any point or level of the scaffolding.
- 3.2.3 End of each tubing resting on structure and transmitting weight of the scaffolding must terminate on framing immediately below and have a 10.2 pound sole plate to preclude damage to structure.
- 3.2.4 Install safety railing around perimeter of each scaffolding platform.
- 3.2.5 Erect each shroud/curtain to contain each environmental pollutant generated during work. Each shroud/curtain must envelope entire temporary staging.

3.3 Remove scaffolding upon completion of work.

(V) (G) "COMPARTMENT CLOSEOUT"

3.4 Accomplish a joint inspection with the SUPERVISOR and the Commanding Officer's designated representative upon completion, inspection, and acceptance, by the contractor, of work within each compartment. Ensure Attachment A, Work Completion Certification, is completed in accordance with 009 004 of 2.1.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.