General Requirements

1. SCOPE

1.1 Intent. This standard specification invokes general requirements for conducting vessel repairs performed by commercial contractors at a Coast Guard facility for Coast Guard vessels.

2. REFERENCES

COAST GUARD DRAWINGS

None

COAST GUARD PUBLICATIONS

Surface Forces Logistics Center Standard Specification 0000 (SFLC Std Spec 0000), 2022, General Requirements

Surface Forces Logistics Center Standard Specification 0740 (SFLC Std Spec 0740), 2022, Welding and Allied Processes

Surface Forces Logistics Center Standard Specification 5550 (SFLC Std Spec 5550), 2022, Fire Prevention and Response

OTHER REFERENCES

None

3. REQUIREMENTS

3.1 General. The Contractor must conform to all requirements specified in SFLC Std Spec 0000 and in this item, as applicable, during the performance of this availability. The requirements of this WI applies to all work under the scope of this contract, whether explicitly stated in all following work items or not, and to all other work subsequently authorized by changes, modifications, or extensions to the contract.

3.2 Contractor-provided fire watch personnel. The Contractor must provide fire watch personnel and equipment.

3.3 Welding and brazing requirements. The Contractor must perform all welding and allied processes, and NDE in accordance with SFLC Std Spec 0740.

3.4 Fire Prevention Specification. The Contractor must submit a Fire Prevention Plan in accordance with paragraph 3.1 of SFLC Standard Spec 5550

3.5. Period of Performance. The period of performance for this work starts on 29JUN26 and ends on 31JUL26.

3. 6. Location. The Contractor must perform the work while the USCGC WAESCHE (WMSL 752) is alongside the pier at Coast Guard Island, Alameda, CA 94501. Note that the cutter is starboard side to the pier, so the rescue door is available for component removal

51200_BJA_1124_752

WORK ITEM 1: Cooling Coil, Renew

1. SCOPE

1.1 Intent. This work item describes the requirements for the Contractor to renew the cooling coil listed in Table 1 using Government-furnished property.

TABLE 1 COOLING COILS

LOCATION	COMPONENT	SPACES SERVED
AMMR Fan Room 2-62-2-Q	Cooling Coil 2-62-2 (CC-10/RS9)	Scullery (1-52-1-Q), Galley (1-57-2-L)

1.2 Government-furnished property.

MTI	ITEM DESCRIPTION	NSN/PN	QTY	ESTIMATED COST ($/UNIT)
N	Cooling Coil, 68 DW, MIL-C-2939F (CID# 4130-01-348-1557)	PN: **1013-00-D-68DW**	1 ea.	30,725.15

.

2. REFERENCES

COAST GUARD DRAWINGS

Coast Guard Drawing 418A-WMSL-512-001, Rev D, HVAC System Diagram

Coast Guard Drawing 750-WMSL-512-534, Rev D, HVAC Equipment List

Coast Guard Drawing 750-WMSL-516-002, Rev K, Chilled Water System Diagram

Coast Guard Drawing 750-WMSL-516-013, Rev D, Chilled Water Unit 2330

Coast Guard Drawing 750-WMSL-512-007, Rev B,,Vent & Air Cond Fan Rm (P) 2nd Dk Unit 2330

Coast Guard Drawing 750-WMSL-528-023, Rev E, Plumbing & Interior Dk Drains and Vent Sys Unit 2330

Coast Guard Drawing FL-1204-3, Rev A, Fleet Welded Padeyes and Links

COAST GUARD PUBLICATIONS

Surface Forces Logistics Center Standard Specification 0000 (SFLC Std Spec 0000), 2022, General Requirements

Surface Forces Logistics Center Standard Specification 0740 (SFLC Std Spec 0740), 2022, Welding and Allied Processes

Surface Forces Logistics Center Standard Specification 6310 (SFLC Std Spec 6310), 2022, Requirements for Preservation of Ship Structures

Surface Forces Logistics Center Standard Specification 8636 (SFLC Std Spec 8636), 2022, Requirements for Temporary Hull Accesses

OTHER REFERENCES

3. REQUIREMENTS

3.1 General.

3.1.1 CIR. The Contractor shall submit a CIR for the inspections listed in the following Paragraph(s):

None

3.1.2 Tech Rep.

None

3.1.3 Protective measures. The Contractor must furnish and install all protective measures in accordance with SFLC Std Spec 0000, paragraph 3.3.3 (Vessel component, space, and equipment protection).

3.1.4 Interferences. The Contractor shall handle all interferences in accordance with SFLC Std Spec 0000, Paragraph 3.3.5 (Interferences). Known interferences include, but are not limited to the following :

- Insulation
- Piping
- Structural brackets
- Ventilation ducting

3.1.5 Work locations. The concerned work areas are listed in Table 1. See the applicable drawings in section 2 for guidance, locations, and details.

3.1.6 Materials. The Government will provide the cooling coils, but the Contractor must provide all other materials required for the work item.

3.1.7 Rigging plan. The Contractor must submit a plan for rigging out the existing cooling coil, and rigging in the new cooling coil from the pier down onto its foundation in the fan room. Submit the plan to the Asset Manager (AM) for approval before commencing work. No rigging work can commence before approval. The plan should cover the following topics:

- Route for both removal and installation
- Locations for rigging supports/pad eyes
- Temporary access cuts requirements in SFLC Standard Spec 8636 (if necessary)
- Interference removals
- Crane location and capacity

NOTE

Coast Guard personnel will operate all shipboard machinery and equipment.

3.2 Operational test - initial. Prior to commencement of work, the Contractor shall witness Coast Guard personnel perform an initial operational test of all items or shipboard devices to be disturbed, used, repaired, or altered, to demonstrate existing operational condition. Submit a CFR.

3.3 Temporary access cuts. If necessary to facilitate the removal of the cooling coil, the Contractor may cut holes /temporary openings in bulkhead and deck to facilitate accomplishment of the work specified herein. Perform all work required to open and close the access openings in accordance with SFLC Std Spec 8636.

NOTE

Previous removals of this coil did not require access cuts, but the Contractor may propose access cuts based on their chosen rigging path.

3.4 Cooling Coil Renewal. Renew the cooling coil (Piece 2, Coast Guard Drawing 750-WMSL-512-007) in accordance with Coast Guard Drawings referenced in Section 2 utilizing a government-provided cooling coil. Renew all disturbed gaskets, o-rings and seals.

3.4.1 Any brazed or welded piping must be flushed in accordance with Paragraph A2.6.5. of SFLC Std Spec 0740

3.4.2. Do not drain any fluids, including fresh water, onto the deck. The Contractor must dispose of all fluids in accordance with Federal, state and local requirements and SFLC Std Spec 0000.

3.5. Rigging. The Contractor is responsible for all rigging in accordance with the submitted rigging plan with the following considerations:

3.5.1 All existing padeyes that will be used for a lift must be pull tested to 1.5 times their Working Load Limit in accordance with SFLC Standard Spec 5000 Paragraph 3.2.7. All testing must occur in the presence of a Coast Guard Inspector.

3.5.2. If new padeyes are required, fabricate them in accordance with Coast Guard Drawing FL-1204-3 and SFLC Standard Spec 0740. Newly fabricated padeys must be pull tested to 2 times their Working Load Limit in accordance with SFLC Standard Spec 5000 Paragraph 3.2.7. All testing must occur in the presence of a Coast Guard Inspector.

3.5.3. Upon completion of testing, install a label plate in accordance with SFLC Standard Spec 5000 Paragraph B2.9.

3.5.4. The Contractor is responsible for obtaining the services of a crane.

3.6 Boundary test. The Contractor shall verify the integrity of all boundaries affected by this work item using one of the methods described in SFLC Standard Spec 0740, Appendix C. Submit a CFR. This is only necessary if a bulkhead is cut.

3.7 Hydrostatic test. After all authorized repairs, the Contractor must hydrostatically test all new pipe welds in accordance with SFLC Std Spec 0740, Appendix C, Hydrostatic Test. Ensure zero leakage from or permanent deformation of pressure-containing parts by repairing all leaks, deformations, and discrepancies. Submit a CFR.

3.8 Leak test. After completing all authorized mechanical (i.e. threaded, bolted, etc.) joint repairs, the Contractor must test the effected water system's operation using the system fluid at normal operating pressure. Ensure zero visible leakage from or deformation of mechanical parts by repairing all leaks and discrepancies. Submit a CFR.

3.9 Operational test - Final. Upon completion of work, the Contractor must coordinate and witness Coast Guard personnel perform a final operational test of items tested in the initial operational to demonstrate their operational condition. Submit a CFR.

3.10 Touch-up preservation. The Contractor shall prepare and coat all disturbed surfaces to match existing adjacent surfaces in accordance with SFLC Std Spec 6310, Paragraph 3.1.13 (Touch-ups and minor coating repairs).

4. NOTES

This section is not applicable to this work item.