**General Requirements**

**1. SCOPE**

1.1 Intent. This standard specification invokes general requirements for conducting vessel repairs for Coast Guard vessels performed by commercial contractors at Non-USCG Facilities.

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

3.3 Fire Prevention. The Contractor must submit a Fire Prevention Plan in accordance with paragraph 3.1 of SFLC Standard Spec 5550. Coordinate with COR/KO and submit to upon contract award.

3.3.1 Fire Watch. The Coast Guard will provide fire watch personnel and equipment.

3.4 Period of Performance. The period of performance for this work is 07Mar 2025 through 14Mar 25.

3.6 Location. The Contractor must perform the work while the USCGC JAMES is alongside the pier at Naval Station Norfolk, Norfolk VA 23511.

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1. Nr. 3 SSDG Exhaust Piping, Renew

1. SCOPE

1.1 Intent. This work item describes the requirements for the Contractor to renew a section of exhaust piping and lagging to the Nr.3 Ships Service Diesel Generator.

2. REFERENCES

Coast Guard Drawings

Coast Guard Drawing 418A-WMSL-100-001, Rev B, General Arrangements

Coast Guard Drawing 750-WMSL-259-505-1, Rev C, #3 Ships Service Diesel Generator Exhaust Modifications

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 5000 (SFLC Std Spec 5000), 2022, Auxiliary Machine Systems

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

Other References

American Society for Testing & Materials (ASTM) F708, 2022, Standard Practice for Design and Installation of Rigid Pipe Hangers

3. REQUIREMENTS

3.1 General.

3.1.1 CIR.

None.

3.1.2 Tech Rep.

Not applicable.

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 must 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:

* Oil in bilges (gas free certification required for hot work)
* Fuel tank 5-44-0-F
* Deck plating/grating
* Piping
* Piping Supports

3.1.5 Gas Free. The Contractor must certify and maintain work area to a condition ‘Safe for Hotwork’ in accordance with SFLC Std Spec 0740 paragraph 3.3.

3.1.5.1 The affected piping is in the #3 SSDG space 2nd deck FR 76.

3.1.5.2 The affected piping is also approximately 3 feet.

3.1.6 Fluid handling. The Contractor must remove and dispose of removed fluids from the affected piping system and any cleaning fluids, in accordance with all applicable Federal, state, and local regulations.

NOTE

Coast Guard personnel will operate all shipboard machinery and equipment.

3.2 Operational test, initial. Prior to commencement of work, the Contractor must 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 Bilge. The Contractor must clean bilge areas to allow for gas free certification and hot work in the area.

3.4 Piping Repair. The Contractor must renew the damaged section of exhaust pipe and renew o bring the system back to full operational condition. See Table 1 and Figures 1 through 4 for location and interference details. Further piping arrangement and material details are provided in Coast Guard Drawings 418A-WMSL-259-505. If removal of other system piping is required for access, work directly with the CG Personnel to properly isolate those system(s) prior to disconnecting. Cap or plug any piping to prevent contamination.

3.4 Cleaning. The Contractor must clean the internal surfaces of new and disturbed pipe to cleanliness Grade A in accordance with SFLC Std Spec 5000.

3.5 Reassembly. The Contractor must renew and install new exhaust lagging after operational test.

3.6 Preservation. Prepare and preserve the new piping, valve handle and pipe support in accordance with SFLC Std Spec 6310. Pipe and support colors to match adjacent piping.

NOTE

Coast Guard personnel will operate all shipboard machinery and equipment.

3.8 Operational test, post repairs. After completion of work, the Contractor shall thoroughly test, in the presence of the Coast Guard Inspector and demonstrate all items or shipboard devices that have been disturbed, used, repaired, altered, or installed to be in satisfactory operating condition. Submit a CFR.

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

4. NOTES

Diagram

Description automatically generated

Figure 1 - Excerpt from CG Drawing 750-WMSL-259-505.