

## **NOAA SHIP PISCES DOMESTIC REEFER ROOM MODIFICATIONS**

### **1. Scope**

1.1 Modify the deck and piping penetrations in the Domestic Refrigeration Room (01-10-2).

### **2 References**

2.1 Drawing FA02, "General Arrangements"

### **3 Government Furnished Equipment**

3.1 None

### **4 Requirements:**

- 4.2. All work of this specification shall be performed by an authorized service provider of Carrier or under the direction of Carrier approved factory trained service technicians. Contractor shall ensure to maintain the OEM warranty on the new Refrigeration Plants.
- 4.3. Contractor shall tag-out all affected electrical and piping connections prior to work on the vessel.
- 4.4. All shipboard welding shall be completed by ABS certified welders using ABS approved welding procedures.
- 4.5. Install heat exchanger piping on the Reefer Skid accumulator to prevent refrigerant slugging back to the Reefer Plant compressors.
- 4.6. Relocate the refrigeration piping penetrations to the center of the space. Remove the unused sea water supply pipe and cap in the overhead of the void space over the Walk-in Reefer Unit. In accordance with ABS regulations, insert the deck in way of the removed penetrations.
- 4.7. Remove, overhaul, test and balance the Domestic Refrigeration Room Exhaust Fan. Demonstrate operation to COR.
- 4.8. Paint all disturbed surfaces to match surrounding surfaces.

### **5. Quality Assurance**

- 5.1. Operate the refrigeration systems and check for leaks. System shall be leak free.
- 5.2. Demonstrate all penetrations and deck inserts to ABS.

### **6. Notes**

6.1. None

END OF ITEM