Ship/HULL NO.	Ship/HULL NAME	JON:	ICN:	Rev:	Key Op:
YON-285	BARGE		89MVA15005	-	A01

TITLE:

S/A 124D, Modifications of Manhole, Access and Flood Alarm System; accomplish

JOB SPECIFICATION

Anticipated Award Date	Production Completion Date:	PREPARING ACTIVITY:
7/31/2026	02/02/2027	SASEBO
POP Start Date: 9/28/2026	**POP End Date:** 4/30/2027	

PREPARED BY: **S. OOHIRA**	CODE **E_OO**	DATE **1/26/2026**
APPROVED BY: **S. MURAKAMI**	CODE **S225**	
CONCURRED BY: **A. OKA**	CODE **S233**	
ASSIST PLANNER'S NAME: **K. KOMATSU**	CODE **H_KO**	
ASSIST PLANNER'S NAME:	CODE	
ASSIST PLANNER'S NAME:	CODE	

DESCRIPTION:

JSN(S): **CASREP #**

S/F CONTACT: **CWP #** **CCNS #**

Approved by S300/S900 T. ESCRITOR-YAMADA PM S320 **Date:** 1/26/2024 **Avl:** ~~7B1~~ 6B1

LWC:

Work Completed

S/Force : **Rate:** **Date:**

Ship Supt: **Date:** **SRF CONTROL NO.:** 1301348511

WORK CERTIFICATION SIGNATURES

COMPLETION OF WORK REVIEW:	BADGE NO.:	SHOP/CODE:	PHONE:	DATE:

Ship/HULL NO.	Ship/HULL NAME	JON:	ICN:	Rev:	Key Op:
YON-285	BARGE		89MVA15005	-	A01

TITLE:

S/A 124D, Modifications of Manhole, Access and Flood Alarm System; accomplish

1. **SCOPE:**

1.1 Title: S/A 124D, Modifications of Manhole, Access and Flood Alarm System; accomplish

1.2 Location of Work:

1.2.1 Listed in 2.2 and 2.3

1.3 Identification:

1.3.1 Listed in 2.2 for Modification of Flooding Alarm system, located in 1.2.1

1.3.2 Listed in 2.3 for Modification of Access, Located in 1.2.1

2. **REFERENCES:**

2.1 Standard Items (~~FY27~~ FY26)

2.2 436-8970280, S/A YON-124D YON-285, Flooding Alarm System Modifications

2.3 167-8970271, S/A YON-0124D YON-285, Manhole and Access Modifications Incidental Barge Conversion

2.4 113-5293062 Rev E, Foundations - Miscellaneous Electrical Equipment for Grade A and B Shock

2.5 302-5302690 Rev C, Standard Cable Installation Requirements

2.6 113-5377425 Rev A, Mounting Requirements for Small Equipment in Shock Critical Areas

2.7 321-8970274, YON-125D YON-285 Miscellaneous Electrical Removals

2.8 321-8970255, S/A YON-0000D YON-285 ELECTRICAL ONE-LINE DIAGRAM

2.9 MIL-STD-2003B, Electric Plant Installation Standard Methods for Surface Ships and Submarines

2.10 MIL-STD-1310H, Shipboard Bonding, Grounding, and Other Techniques for Electromagnetic Compatibility, Electromagnetic Pulse(EMP) Mitigation, and Safety

3. **REQUIREMENTS:**

3.1 Accomplish the requirements of 2.2 including each note for modification of flooding alarm system, and installation of fire alarm system, electrical cable, stuffing tube and terminal box symbol 400.2, using 2.4 through 2.8 for guidance.

3.1.1 Fabricate and install each new foundation out of each new steel stud, boss, angle, and plate with new fastener.

3.1.2 Accomplish the requirements of **009-12** of 2.1, including Table 4, Column A, Lines One through 7 for welding.

3.1.3 Cable installation, penetrations, cableway, and cable tag must be in accordance with 2.9.

3.1.4 Bond and ground equipment in accordance with 2.10.

3.1.5 Accomplish the requirements of **009-25** of 2.1 for conducting a local air hose test of each penetration of tightness boundaries. Allowable leakage: None.

3.2 Accomplish the requirements of **009-32** of 2.1 for cleaning and preservation of each new and disturbed surface to match surrounding areas.

3.3 Accomplish the requirements of 2.3 for modification of each access incidental to barge conversion listed in 1.3.2.

3.3.1 Template from each hole created by removal of existing raised bolted opening, fabricate, and install each new patch plate out of new 3/8 inch thickness mild steel plate conforming to ASTM A36.

3.3.2 Accomplish the requirements of **009-12** of 2.1, including Table 4, Column A, Lines One through 7 for welding. (See NOTE 4.5)

(V) "REPORT"

3.3.2.1 Ensure to notify which welding standard has been selected to SUPERVISOR.

3.3.2.2 Accomplish nondestructive test of each welded joint of primary structure in accordance with Line 9.

3.4 Accomplish the requirements of **009-25** of 2.1 for a completion air test of each cargo tank listed in 1.3.1 and each void listed in 1.3.2 using general notes 19 of 2.3 for guidance. Test pressure must be 2 PSIG. Allowable drop in pressure: None.

3.5 Accomplish the requirements of **009-32** of 2.1 for cleaning and preservation of each new and disturbed surface to match surrounding areas.

(V) (G) "OPERATIONAL TEST"

3.6 Accomplish an operational test for newly installed and reused circuits of each equipment listed in 1.3.1 and ensure terminal connections are tight, using NOTE 22 of 2.2 for guidance. **-S130**

4. NOTES:

4.1 Initial Condition - YON-285 SHIPALTS 124D has not been completed.

4.2 SRF Tool Room will issue pressure gauges when required.

4.3 This work is in conjunction with ICN: 89MVA15006_A01, 89MVA15004_A01, 89MVA86301_A01, 89MVA11001_A01 and 89MVA12301_A01.

4.4 Marine chemist inspection for entire of YON-285 will be covered by other ICN 89MBA11001_A01 Underwater Hull and Freeboard; preserve.

4.5 OPTION A) of Table 4 of 009-12 of 2.1 has been allowed to utilize under ELM-255171.

4.6 The contractor is responsible to dispose all waste generated by this work item in accordance with Japanese Environmental Governing Standards (JEGS).

4.7 For flood alarm system, the hull specific programing is required. See General Note 34.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 GOVERNMENT FURNISHED MATERIAL

MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	PARA NO.
001	-	-	M	STUD,WELDING,M24149/1-545,0.375 INCH STEEL	9B 5307 012707374	N	6014B104	250/EA	3.1
002	-	-	M	STUD,WELDING,M24149/1-541, 0.375 INCH STEEL	9B 5307 012257813	N	6014B105	30/EA	3.1
003	-	-	M	HANGER,CABLE,CLAMP, A= 0.531", SINGLE, P/N: 101-107-102	9B 5975 010209179	N	6014B106	150/EA	3.1
004	-	-	M	HANGER,C,TUBULAR, 1.5", P/N 101-107-281	9B 5975 010209184	N	6012B076	20/EA	3.1
005	-	-	M	HANGER,CABLE,STEEL, TUBULAR, 2.5 ", P/N 101-107-282	9B 5975 010209186	N	6014B107	200/EA	3.1
006	-	-	M	STUD,WELDING,M24149/1-523, 0.3125 INCH	9B 5307 012936158	N	6014B108	100/EA	3.1
007	-	-	M	STUD,WELDING,M24149/1-505, 0.25 INCH	9B 5307 016868498	N	6014B109	20/EA	3.1
008	-	-	M	STUFFING TUBE,SIZE A	9B 5975 010148994	N	6014B110	4/PG	3.1
009	-	-	M	PACKING,SIZE A	9B 5330 013760818	N	6012B078	24/EA	3.1
010	-	-	M	STUFFING TUBE,Y TYPE M19622/4-001 SIZE 1	9B 5975 007826139	N	6014B111	15/PG	3.1
011	-	-	M	STUFFING,STRAIGHT STYLE, M19622/1-001	9B 5975 002964092	N	6012B079	20/EA	3.1
012	-	-	M	STUFFING,STRAIGHT STYLE, M19622/1-002	9B 5975 002964093	N	6012B083	5/EA	3.1
013	-	-	M	PACKING,ASSEMBLIES M19622/16-0004 SIZE 1	9B 5330 002022583	N	6013B031	120/EA	3.1

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ITEM NO.	PC NO.	REF NO.	M/C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	PARA NO.
014	-	-	M	PACKING ASSEMBLY,M19622/17-0004 SIZE 2	9B 5330 014081007	N	6014B112	5/AY	3.1
015	-	-	M	BOOT,DUS,CES-1	9B 5340 012959059	N	6013B032	50/EA	3.1
016	-	-	M	NUT,PLAIN,HEXAGON,3/8" TPI 16, (MS35691-17)	9B 5310 012806750	N	6014B113	250/EA	3.1
017	-	-	M	NUT,SELF-LOCKING,HE,5/16" TPI 18, STEEL, (MS 51922-9)	9B 5310 009843806	N	6014B114	1/HD	3.1
018	-	-	M	WASHER,F,FLAT WASHER (MS 15412-6)	9B 5310 012590296	N	6012B085	100/EA	3.1
019	-	-	M	NONMETAL,CHANNEL, RUBBER, P/N : 97-79-055	9B 9390 010186253	N	-	6/LG	3.1
020	-	-	M	STRAPPIN,5/8" CRES	9Q 8135 010169995	N	-	2/RO	3.1
021	-	-	M	SEAL,STR,5/8" CRES BUCKLE	9B 5340 006643249	N	-	200/EA	3.1
101	-	-	M	PLATE,METAL,5' X 20' X 3/8"T, OSS, PATCH PLATE FOR REMOVED RAISED BOLTED OPENING (16 PLACES), NO ITEM NUMBER ON DWG. 167-8970271	9B 9515 001533223	N	6014B115	1/PM	3.3
102	-	-	M	ELECTROD,WELDING ROD, 3/32" X 14"L, 7018-M, P/N 255014102, SIZE:3/32"DIA X 14"L, CONFORMING TO MIL-E-22200/10 (NO TEST/NO MIL SHEET REQUIRED), U/I; 1CN=10LB	9G 3439 SA4742861	N	6016E900	15/CN	3.3
103	-	-	M	ELECTROD,WELDING ROD, 1/8" X 14"L, 7018-M, P/N 255014110-TST, SIZE:1/8"DIA X 14"L, CONFORMING TO MIL-E-22200/10 (NO TEST/NO MIL SHEET REQUIRED), U/I; 1CN=10LB	9G 3439 SA4742863	N	6016E902	15/CN	3.3
104	-	-	M	ELECTROD,WELDING ROD, 5/32" X 14"L, 7018-M, P/N 255014128-TST, SIZE:5/32"DIA X 14"L, CONFORMING TO MIL-E-22200/10 (NO TEST/NO MIL SHEET REQUIRED), U/I; 1CN=10LB,	9G 3439 SA4742865	N	6016E904	5/CN	3.3
110	2	2.3	M	BAR, FLAT, 3" X 1/4",BAR, FLAT, 3" X 1/4" 8910K571 LENGTH IS 12 FT X 3 EA	9B 9530 SA2505024	N	6023CS29	30/LF	3.3
111	3	2.3	M	BOLT, HEX HD, 3/8" -,BOLT, HEX HD, 3/8" -16 UNC-2A 92186A625	9B 5130 SA2400489	N	6023CS30	5/PG	3.3
112	4	2.3	M	NUT,PLAIN,HEXAGON,NUT, HEX, 3/8-16 UNC-3B 94819A049	9B 5310 015290006	N	6005B041	2/PG	3.3
113	5	2.3	M	WAHSER,,WASHER, FLAT, 3/8" DIA 90107A127	9B 5310 016637424	N	6005B147	2/PG	3.3
114	6	2.3	M	PLATE,METAL,PLATE, 15.3#	9B 9515 009259565	N	5237B115	6/SF	3.3

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ITEM NO.	PC NO.	REF NO.	M/C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	PARA NO.
115	7	2.3	M	MANHOLE ASSY,MANHOLE ASSY, FLUSH MOUNT, 23" X 15" BMHC15X23F	9B 2510	N	-	8/EA	3.3
117	9	2.3	M	DRIVE RIVET, 1/8" DI,DRIVE RIVET, 1/8" DIA	9B 5330	N	-	120/EA	3.3
197	1	2.2	M	CAB B4 W/ SEISKIT MO,CAB B4 W/ SEISKIT MOUNTING KIT NOTIFIER OR EQUAL	9B 5330	N	-	1/EA	3.1
198	2	2.2	M	FIRE ALARM PANEL,FIRE ALARM PANEL NOTIFIER NFS-320 OR EQUAL	9B 6350	N	-	1/EA	3.1
199	3	2.2	M	SMOKE DETECTOR,SMOKE DETECTOR NOTIFIER FSP-951 OR EQUAL	9B 6350	N	-	1/EA	3.1
200	4	2.2	M	MOUNTING BASE,MOUNTING BASE NOTIFIER B300-6	9B 5345	N	-	1/EA	3.1
201	5	2.2	M	STATION,FIRE ALARM,,MANUAL PULL STATION P/N NBG-12LX	9B 6350 015804353	N	5237B151	1/EA	3.1
202	6	2.2	M	SURFACE MOUNTING BOX,SURFACE MOUNTING BOX, MANUAL PULL STA NOTIFIER SB-10	9B 5345	N	-	1/EA	3.1
203	7	2.2	M	INTERFACE MODULE, IN,INTERFACE MODULE, INTELLIGENT, DUAL INPUT NOTIFIER FDM-1 OR EQUAL	9B 6350	N	-	14/EA	3.1
204	8	2.2	M	SWITCH,FLOW,SWITCH LEVEL, SERIES LS-270	3B 5930 011574549	N	5237B152	16/EA	3.1
205	9	2.2	M	TERMINAL BOX,BOX, TERM, 4 TERM, 8 WIRE	9B 5940 002310831	N	5237B153	16/EA	3.1
206	10	2.2	M	STUFFING TUBE,STUFFING TUBE, BHD, STEEL, SIZE A	9B 5975 010148994	N	5237B154	16/EA	3.1
207	11	2.2	M	STUFFING TUBE,STUFFING TUBE, DECK, STEEL, SIZE A	9B 5975 010149005	N	5237B155	16/EA	3.1
208	12	2.2	M	BAR, ANGLE,BAR, ANGLE, 2-1/2", STEEL	9B 9520	N	-	20/FT	3.1

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ITEM NO.	PC NO.	REF NO.	M/C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	PARA NO.
212	16	2.2	M	4" SQUARE X 2 1/8" ,4" SQUARE X 2 1/8" BOX, STEEL, RED RACO 911-3 OR EQUAL	9B 5925	N	-	15/EA	3.1
213	17	2.2	M	BLOCKING DIODE, 200V,BLOCKING DIODE, 200V, 1A MOTOROLA P/N IN4003 OR EQUAL	9B 5961	N	-	2/EA	3.1
214	18	2.2	M	ALARM,AUDIBLE-VISUA,HORN/STROBE (RED)	9B 6350 016059423	N	5237B156	1/EA	3.1
215	19	2.2	M	CKT BRKR, 15A, 2-POL,CKT BRKR, 15A, 2-POLE, 120V, PLUG-IN SCHNEIDER P/N Q02015 OR EQUAL	9B 5925 SA2505075	N	5357E709	1/EA	3.1
216	20	2.2	M	STUFFING TUBE,STUFFING TUBE, DECK, ALUM, SIZE A	9B 5975 010149979	N	5237B157	16/EA	3.1
217	21	2.2	M	HORN-STROBE, APPLIAN,HORN-STROBE, APPLIANCE NOTIFIER WHEEL LOCK HS4-24MCW-FR OR EQUAL	9B 6350	N	-	1/EA	3.1
218	-	2.2	M	CABLE,POWER,ELECTRI,CABLE, LS2SWU-1	9B 6145 012053632	N	5237B158	2000/FT	3.1
219	-	2.2	M	CABLE,POWER,ELECTRI,CABLE, LSDSGU-4	9B 6145 012022795	N	5252B022	40/FT	3.1