

GENERAL NOTES

1. ALL PIPING IN QUARTERS, MESS AND GALLEY, PUBLIC SPACES AND NAVIGATING SPACES SHALL BE CONCEALED.
2. ALL PIPING AND VALVES SHALL BE MARKED SHOWING ITS SERVICE AND PARTICULAR LIQUID.
3. ALL PIPING SHALL BE MARKED IN ACCORDANCE WITH THE NATIONAL COLOR CODE AND SHALL INDICATE DIRECTION OF FLOW.
4. ALL LABELING SHALL BE EMBOSSED AND ATTACHED WITH SCREWS.
5. TAKE DOWN JOINTS SHALL BE PROVIDED EVERY 20' IN ALL SYSTEMS.
6. ALL OVERBOARD DISCHARGES LOCATED ON PORT SIDE BELOW WATER LINE.
7. FIRE AND BILGE PIPING TO BE GALV. STL. SCH. 40 ASTM A53 GR. B WITH BRZ. MONEL TRIM VALVES.
8. BALLAST PIPING TO BE GALV. STL. SCH. 40 ASTM A53 GR. B WITH BRZ. MONEL TRIM VALVES.
9. OVERBOARD DISCHARGES TO BE KEPT STRAIGHT AND WITHOUT BENDS.
10. GATE, GLOBE AND ANGLE VALVES 2" AND ABOVE, SHALL HAVE RISING STEMS, OUTSIDE SCREW AND YOKE, EXCEPT BALLAST MANIFOLD TO BEMRA.
11. AT EACH FIRE PLUG THERE WILL BE A 60" LENGTH OF 1/2" FIRE HOSE COMPLETE WITH BRACK FOR STORAGE AND ITS NOZZLE.
12. PROVIDE TWO INTERNATIONAL SHORE CONNECTION, FC. No. 4 IN BILL OF MATERIAL.
13. ALL PIPES SUBJECT TO MECHANICAL INJURY OR ABUSE VIBRATION SHALL BE ADEQUATELY PROTECTED AND/OR SUPPORTED.
14. TESTING SHALL BE THOROUGHLY CLEANED AFTER TESTING AND BEFORE FUNCTION.
15. ALL WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE FEDERAL REGISTER VOL. 23, #245, 46 CFR 56.70-15.
16. ALL PIPING SHALL BE KEPT CLEAR OF ALL OBSTRUCTIONS TO BE KEPT CLEAR OPENING OF STRAINER TO BE 3 TIMES CLEAR OPENING OF SUPT. PIPE.
17. BILGE LEVEL ALARM TO BE AS FOLLOWS:
 - a. FWD. TUNNEL P/S
 - b. ENG. ROOM
 - c. AFT TUNNEL
 - d. STEERING COMPT.

JUL 18 1973

SYM.	DESCRIPTION
1	GATE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
2	ANGLE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
3	MODIFIED TO STOP CHECK
4	SWING CHECK VALVE FLDG ISO BRZ. MONEL TRIM
5	ANGLE HOSE VALVE ISO BRZ. MONEL TRIM
6	SIMPLEX STRAINER FLDG ISO
7	CONG. REDUCER SW. SCH. 40 GALV. STL.
8	PRESSURE GAUGE BRZ. O TO 100 PSI
9	ROSE BOX TYPE STRAINER BUILT BY H.M.S.

SYM.	DESCRIPTION
1	GATE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
2	ANGLE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
3	MODIFIED TO STOP CHECK
4	SWING CHECK VALVE FLDG ISO BRZ. MONEL TRIM
5	ANGLE HOSE VALVE ISO BRZ. MONEL TRIM
6	SIMPLEX STRAINER FLDG ISO
7	CONG. REDUCER SW. SCH. 40 GALV. STL.
8	PRESSURE GAUGE BRZ. O TO 100 PSI
9	ROSE BOX TYPE STRAINER BUILT BY H.M.S.

SYM.	DESCRIPTION
1	GATE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
2	ANGLE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
3	MODIFIED TO STOP CHECK
4	SWING CHECK VALVE FLDG ISO BRZ. MONEL TRIM
5	ANGLE HOSE VALVE ISO BRZ. MONEL TRIM
6	SIMPLEX STRAINER FLDG ISO
7	CONG. REDUCER SW. SCH. 40 GALV. STL.
8	PRESSURE GAUGE BRZ. O TO 100 PSI
9	ROSE BOX TYPE STRAINER BUILT BY H.M.S.

SYM.	DESCRIPTION
1	GATE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
2	ANGLE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
3	MODIFIED TO STOP CHECK
4	SWING CHECK VALVE FLDG ISO BRZ. MONEL TRIM
5	ANGLE HOSE VALVE ISO BRZ. MONEL TRIM
6	SIMPLEX STRAINER FLDG ISO
7	CONG. REDUCER SW. SCH. 40 GALV. STL.
8	PRESSURE GAUGE BRZ. O TO 100 PSI
9	ROSE BOX TYPE STRAINER BUILT BY H.M.S.

SYM.	DESCRIPTION
1	GATE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
2	ANGLE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
3	MODIFIED TO STOP CHECK
4	SWING CHECK VALVE FLDG ISO BRZ. MONEL TRIM
5	ANGLE HOSE VALVE ISO BRZ. MONEL TRIM
6	SIMPLEX STRAINER FLDG ISO
7	CONG. REDUCER SW. SCH. 40 GALV. STL.
8	PRESSURE GAUGE BRZ. O TO 100 PSI
9	ROSE BOX TYPE STRAINER BUILT BY H.M.S.

SYM.	DESCRIPTION
1	GATE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
2	ANGLE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
3	MODIFIED TO STOP CHECK
4	SWING CHECK VALVE FLDG ISO BRZ. MONEL TRIM
5	ANGLE HOSE VALVE ISO BRZ. MONEL TRIM
6	SIMPLEX STRAINER FLDG ISO
7	CONG. REDUCER SW. SCH. 40 GALV. STL.
8	PRESSURE GAUGE BRZ. O TO 100 PSI
9	ROSE BOX TYPE STRAINER BUILT BY H.M.S.

SYM.	DESCRIPTION
1	GATE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
2	ANGLE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
3	MODIFIED TO STOP CHECK
4	SWING CHECK VALVE FLDG ISO BRZ. MONEL TRIM
5	ANGLE HOSE VALVE ISO BRZ. MONEL TRIM
6	SIMPLEX STRAINER FLDG ISO
7	CONG. REDUCER SW. SCH. 40 GALV. STL.
8	PRESSURE GAUGE BRZ. O TO 100 PSI
9	ROSE BOX TYPE STRAINER BUILT BY H.M.S.

SYM.	DESCRIPTION
1	GATE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
2	ANGLE VALVE FLDG ISO BRZ. MONEL TRIM OS. BY
3	MODIFIED TO STOP CHECK
4	SWING CHECK VALVE FLDG ISO BRZ. MONEL TRIM
5	ANGLE HOSE VALVE ISO BRZ. MONEL TRIM
6	SIMPLEX STRAINER FLDG ISO
7	CONG. REDUCER SW. SCH. 40 GALV. STL.
8	PRESSURE GAUGE BRZ. O TO 100 PSI
9	ROSE BOX TYPE STRAINER BUILT BY H.M.S.

NO. 1	REVISIONS
DATE	DATE
BY	BY
DESCRIPTION	DESCRIPTION
APPROVALS	
FCC	
USPHS	
U.S. NAVAL SHIP SYSTEMS COMMAND	
WASHINGTON D.C. 20360	
OCEANOGRAPHIC RESEARCH SHIP	
AGOR (UTILITY) CLASS	
HALTER MARINE SERVICES, INC.	
P.O. BOX 22266 NEW ORLEANS, LA. 70129	
BILGE, BALLAST AND FIRE PIPING DIAGRAM	
SCALE: 3/16"=1'-0"	DATE: 12-1-72
DRAWN BY: BERTUCIO	CHK'D BY: JONES
HULL NO. 275	HALTER 2187
JOB NO. 2187	SHT. 1 OF 2
NAVSHIP NO. AGOR 21-506-506	REV. 1

No.	TITLE	REFERENCES
1	MACHINERY ARRANGEMENT	A-3
2	CONSTRUCTION PROFILE	S-1
3	SCANTLING PLAN	S-2
4	SEA CHESTS	S-21
5	DECK ARRANGEMENTS & HOLD	A-2
6	POTABLE & SANITARY WTR. PIPING	P-3
7	SALT WATER PIPING	P-9
8	AUXILIARY MACHINERY FOUNDATION	S-29

No.	TITLE	REFERENCES
1	MACHINERY ARRANGEMENT	A-3
2	CONSTRUCTION PROFILE	S-1
3	SCANTLING PLAN	S-2
4	SEA CHESTS	S-21
5	DECK ARRANGEMENTS & HOLD	A-2
6	POTABLE & SANITARY WTR. PIPING	P-3
7	SALT WATER PIPING	P-9
8	AUXILIARY MACHINERY FOUNDATION	S-29

No.	TITLE	REFERENCES
1	MACHINERY ARRANGEMENT	A-3
2	CONSTRUCTION PROFILE	S-1
3	SCANTLING PLAN	S-2
4	SEA CHESTS	S-21
5	DECK ARRANGEMENTS & HOLD	A-2
6	POTABLE & SANITARY WTR. PIPING	P-3
7	SALT WATER PIPING	P-9
8	AUXILIARY MACHINERY FOUNDATION	S-29

No.	TITLE	REFERENCES
1	MACHINERY ARRANGEMENT	A-3
2	CONSTRUCTION PROFILE	S-1
3	SCANTLING PLAN	S-2
4	SEA CHESTS	S-21
5	DECK ARRANGEMENTS & HOLD	A-2
6	POTABLE & SANITARY WTR. PIPING	P-3
7	SALT WATER PIPING	P-9
8	AUXILIARY MACHINERY FOUNDATION	S-29

No.	TITLE	REFERENCES
1	MACHINERY ARRANGEMENT	A-3
2	CONSTRUCTION PROFILE	S-1
3	SCANTLING PLAN	S-2
4	SEA CHESTS	S-21
5	DECK ARRANGEMENTS & HOLD	A-2
6	POTABLE & SANITARY WTR. PIPING	P-3
7	SALT WATER PIPING	P-9
8	AUXILIARY MACHINERY FOUNDATION	S-29

No.	TITLE	REFERENCES
1	MACHINERY ARRANGEMENT	A-3
2	CONSTRUCTION PROFILE	S-1
3	SCANTLING PLAN	S-2
4	SEA CHESTS	S-21
5	DECK ARRANGEMENTS & HOLD	A-2
6	POTABLE & SANITARY WTR. PIPING	P-3
7	SALT WATER PIPING	P-9
8	AUXILIARY MACHINERY FOUNDATION	S-29

No.	TITLE	REFERENCES
1	MACHINERY ARRANGEMENT	A-3
2	CONSTRUCTION PROFILE	S-1
3	SCANTLING PLAN	S-2
4	SEA CHESTS	S-21
5	DECK ARRANGEMENTS & HOLD	A-2
6	POTABLE & SANITARY WTR. PIPING	P-3
7	SALT WATER PIPING	P-9
8	AUXILIARY MACHINERY FOUNDATION	S-29

No.	TITLE	REFERENCES
1	MACHINERY ARRANGEMENT	A-3
2	CONSTRUCTION PROFILE	S-1
3	SCANTLING PLAN	S-2
4	SEA CHESTS	S-21
5	DECK ARRANGEMENTS & HOLD	A-2
6	POTABLE & SANITARY WTR. PIPING	P-3
7	SALT WATER PIPING	P-9
8	AUXILIARY MACHINERY FOUNDATION	S-29

