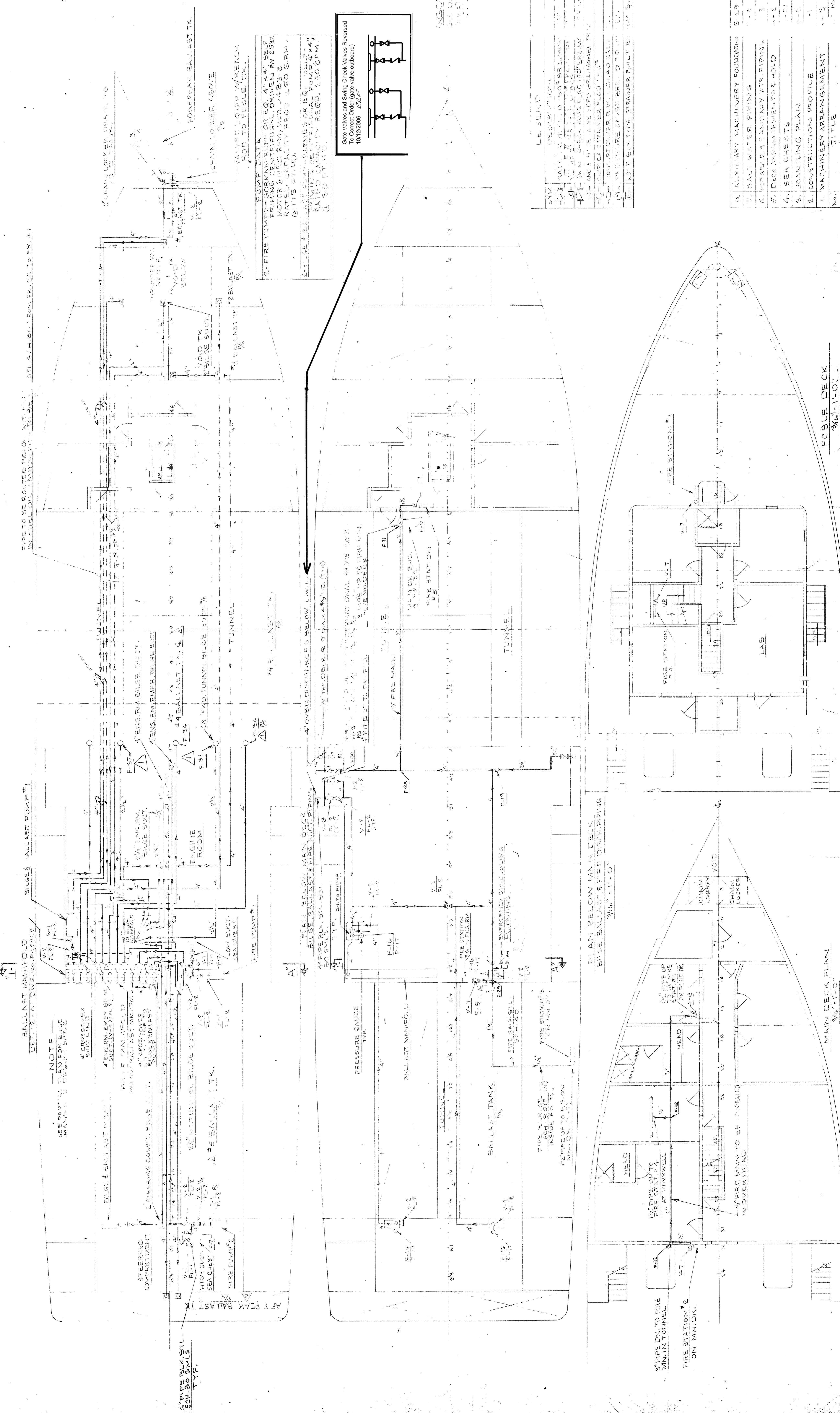


GENERAL NOTES

1. ALL PIPING IN QUARTERS AND GALLEY, PUBLIC SPACES AND NAVIGATING SPACES SHALL BE CONCEALED.
2. ALL PIPING AND VALVES SHALL BE MARKED SHOWING ALL SERVICE AND BE CLEARLY CODED IN ACCORDANCE WITH THE NATIONAL COLOR CODE AND SHALL INDICATE DIRECTION OF FLOW.
3. ALL LABELING SHALL BE EMBOSSED AND ATTACHED WITH SCREWS.
4. TAKE DOWN JOINTS SHALL BE PROVIDED EVERY 20' IN ALL SYSTEMS.
5. ALL OVERBOARD DISCHARGES LOCATED ON PORT SIDE BELOW WATER LINE.
6. FIRE AND BILGE PIPING TO BE GALV. STL. SCH. 40 ASTM A53 GRB WITH BRZ. MONEL TRIM.
7. BALLAST PIPING TO BE GALV. STL. SCH. 40 ASTM A53 GRB WITH BRZ. MONEL TRIM VALVES.
8. OVERBOARD DISCHARGES TO BE KEPT STRAIGHT AND WITHOUT BENDS.
9. GATE, SCOPE AND ANGLE VALVES 2" AND ABOVE, SHALL HAVE RISING STEAMS OUTSIDE SCREW AND YOKE, EXCEPT BALLAST MAINFOLD TO BERTH.
10. AT EACH FIRE PLUG THERE WILL BE A 30" LENGTH OF 1/2" PIPE TO BE COMPLETE WITH PROVIDE TWO INTERNATIONAL SHORELE.
11. CONNECTION, E.I. No. 4 IN BILL OF MAT'L.
12. ALL PIPES SUBJECT TO MECHANICAL INJURY OR UNDE VIBRATION SHALL BE ADEQUATELY PROTECTED AND/OR SUPPORTED.
13. PIPING SHALL BE THOROUGHLY CLEANED AFTER INSTALLATION AND BEFORE OPERATION TESTING.
14. ALL WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE FEDERAL REGISTER VOL. 33-245, 46 CFR 56.70-11. BALLAST SUCTIONS TO BE BROUGHT TO BY ROSE BUSH MANAGER CLEAR OPENING OF STRANGE TO BE 4 TIMES 5/8" SLUGS LEVEL BELOW TO BE AS FOLLOWS:
 1. VOID TK. BELOW THROUGH ROOM
 2. ENG. ROOM
 3. FWD. TUNNEL
 4. AFT TUNNEL
 5. STEERING COMP.



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 U.S. NAVAL SHIP SYSTEMS COMMAND
 OCEANOGRAPHIC RESEARCH SHIP
 AGOR (UTILITY) CLASS
 HALTER MARINE SERVICES, INC.
 P.O. BOX 28286 NEW ORLEANS, LA. 70128

| NO. | DATE | DESCRIPTION | BY |
|-----|---------|---|------|
| 1 | 11-1-72 | REVISED SECTION 11 IN FWD. TUNNEL 1/2" BALLAST TUNNEL | W.H. |
| 2 | 11-1-72 | REVISED SECTION 11 IN FWD. TUNNEL 1/2" BALLAST TUNNEL | W.H. |
| 3 | 11-1-72 | REVISED SECTION 11 IN FWD. TUNNEL 1/2" BALLAST TUNNEL | W.H. |

| SCALE | DATE | DATE | HALTER |
|-------------|---------|---------|--------|
| 3/16"=1'-0" | 11-1-72 | 11-1-72 | W.H. |
| 3/16"=1'-0" | 11-1-72 | 11-1-72 | W.H. |
| 3/16"=1'-0" | 11-1-72 | 11-1-72 | W.H. |

| NO. | TITLE | REFERENCES |
|-----|---------------------------------|------------|
| 1 | MACHINERY ARRANGEMENT | |
| 2 | CONSTRUCTION PROFILE | |
| 3 | SCANTLING PLAN | |
| 4 | SEA CHESTS | |
| 5 | DECK AND OVERBOARD DISCHARGES | |
| 6 | PORTABLE & CANTAINRY ATR PIPING | |
| 7 | SALT WATER PIPING | |
| 8 | AUXILIARY MACHINERY FOUNDATION | |

