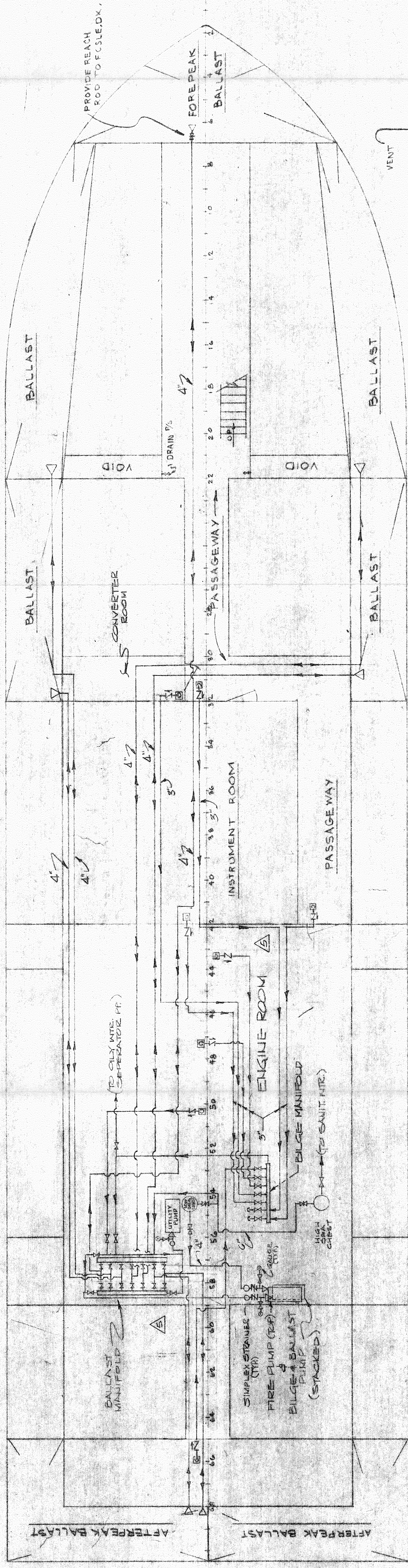
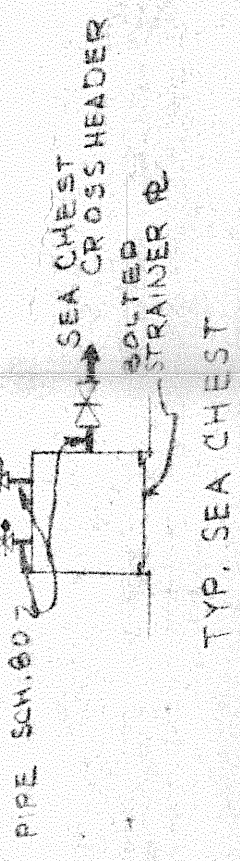


REV.	DATE	DESCRIPTION	BY	CHKD.
1	10/1/82	ADDED MATH. SPECIFICATIONS TO ALL PIPING	JS	JS
2	10/1/82	ADDED NOTES #1 & 2 PER D.A.I.	JS	JS
3	10/1/82	ADDED NOTE TO BILGE BALLAST PUMP	JS	JS
4	10/1/82	ADDED DISCH. PIPING FROM PUMP	JS	JS
5	10/1/82	REV. DRAWN PER DAILE GREENE	SA	JS
6	10/1/82	MIXED UP PRINT	SA	JS
7	10/1/82	ADDED SHARP TURN OUT L.S.	JS	JS
8	10/1/82	REVISED PUMP PER ASSULT	JS	JS
9	10/1/82	INSTALLATION	JS	JS

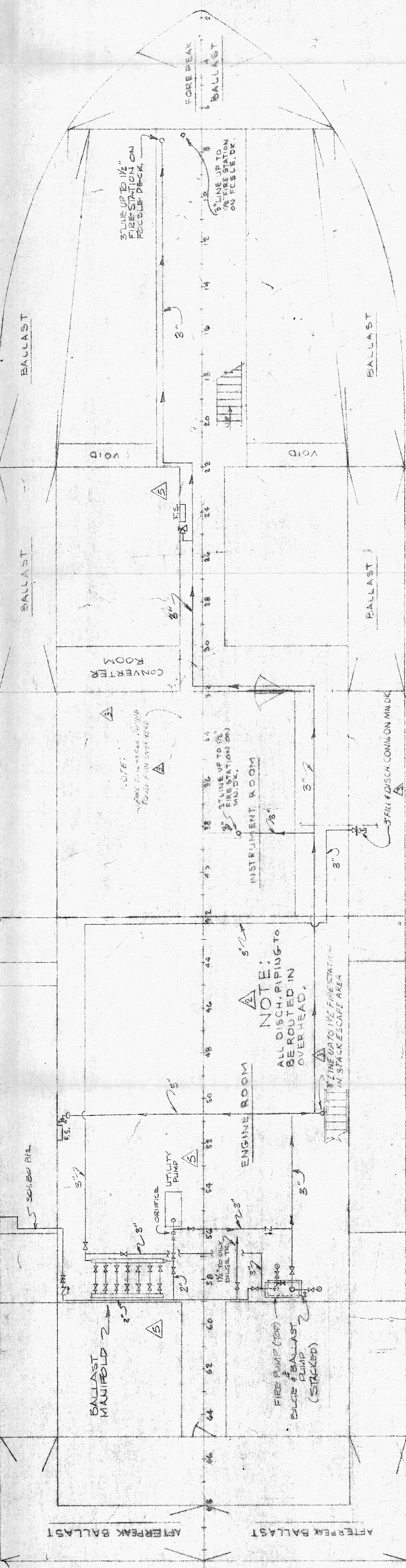


BILGE, BALLAST & FIRE SUCTION PIPING



NOTES

1. PIPE TO BE STL. BCK. SCH. 40. 1/2" DIA. 1/2" THICK. 1/2" DIA. 1/2" THICK. 1/2" DIA. 1/2" THICK.
2. FITTINGS & VALVES 2" & 4" SHALL BE SCH. 40. FITTINGS 2" & 4" ABOVE SHALL BE BUTT WELDED & VALVES SHALL BE FLANGED.
3. PRESSURE TEMPERATURE RATINGS SUITABLE FOR THE OPERATING CONDITIONS OF THE SYSTEMS SERVED AND SHALL BE IN COMPLIANCE W/ REGULATORY BODY REQUIREMENTS.
4. SEA CHEST STRAINER PLATE - OPEN AREA OF SEA CHEST STRAINER SHALL BE EQUAL TO 1/2 TIMES AREA OF PIPE.
5. FITTINGS & VALVES SHALL BE ASTM A182, F304, 1/2" DIA. 1/2" THICK. 1/2" DIA. 1/2" THICK.
6. FITTINGS & VALVES SHALL BE ASTM A182, F304, 1/2" DIA. 1/2" THICK. 1/2" DIA. 1/2" THICK.
7. BALLAST BALLAST - GOULDS MOD. 3155 2 1/2" x 3" x 1" MOTOR 1750 RPM.
8. UTILITY PUMP - GOULDS MOD. 3155 2 1/2" x 3" x 1" H.P. MOTOR 3600 RPM.
9. FIRE PUMP - GOULDS MOD. 3155 2 1/2" x 3" x 1" 1 1/2" DIA. 1/2" THICK. 1/2" DIA. 1/2" THICK. 1/2" DIA. 1/2" THICK.



BILGE, BALLAST & FIRE DISCHARGE PIPING

DESIGN ASSOCIATES, INC. NAVAL ARCHITECTS NEW ORLEANS, LA.	
TIDEWATER MARINE SERVICE 1438 X 304 X 10 SEISMIC VESSEL	
BILGE, BALLAST & FIRE PIPING DIAGRAM	
Drawn by: JS	Checked: A.S.
Traced: JS	Checked: A.S.
Approved: JS	Scale: 1/4" = 1'-0"
Sheet: 1	Drawing No. C-20-22-3