BILL OF MATERIAL

PC. NO.	QUAN.	SIZE	DESCRIPTION	COST ITEM	P.O. NO.	VENDOR	DATE REQ'D YARD	DATE REC'D
1	4'	14" ½ WALL	PIPE, BLK. SMLS ASTM A53B					
2	2	1"	℄, 2.6" OD x .10" I.D., STL.					
3	2	3"	℄, 3" O.D., STL.					
4	4	1½"	ZINC ANODE, 6" x 12"					
5	2	½"	℄ 150 OD STL.					
6	3	1"	CPLG. F.S. SCRD 3000# ASTM A-105 II					
7	1'-0"	4"	PIPE, SCH 80 SMLS. BLK. A53-B					
8	2	4"	FLANGE 150# F.F. S.O. ASTM A-181-I					
9	22	1"x⅜" LG.	CTSK. BOLTS W/NUTS S.STL.					
10	2	2"	FLANGE 150# F.F. S.O. ASTM. A-181-I					
11	2	2"	PIPE SCH 80 SMLS BLK ASTM A-53 GRB					
12	2	2"	CPLG. F.S. SCRD ASTM A-105II					
13	3'	8"	PIPE, BLK. SMLS ASTM A-53-B, ENTRA STRONG					
14	1	½"	℄ 2" SCH. 80 STL.					
15	1	⅜"	℄ 2" O.D. STL. x ¾" LG					
16	1	½"	CLEVIS ℄ 1¼" O.D. x ¾" LG					
17	12	1¼"	ZINC ANODE 5"x12"					

NOTES
1. SEA CHEST SYSTEM TO SERVE AIR CONDITIONING SYSTEM (4 PASS).
2. SEA CHEST SYSTEM TO SERVE REFRIGERATION SYSTEM (2 PASS).

CALCS
- 14" ℄ SEA CHEST STR. ℄
  - AREA OF 4" SCH. 80 PIPE = 11.50 SQ. IN.
  - AREA OF 2" SCH. 80 PIPE = 2.95 SQ. IN.
  - TOTAL REQ'D OPEN AREA OF STR. ℄ = 14.45 SQ. IN.
  - TOTAL REQ'D OPEN AREA OF STRAINER = 31.0 SQ. IN.
  - 1.5 x 14.45 SQ. IN. = ACTUAL OPEN AREA OF STRAINER AS SHOWN = 31.0 SQ. IN.
- 8" ℄ SEACHEST STR. ℄ CALCS
  - AREA OF 2" SCH. 80 PIPE = 2.95 SQ. IN.
  - TOTAL REQ'D OPEN AREA OF STR. ℄ = 2.95 SQ. IN.
  - 1.5 x 2.95 SQ. IN. = ACTUAL OPEN AREA OF STRAINER AS SHOWN = 6.0 SQ. IN.

GENERATOR SEA CHEST

SCALE: AS SHOWN	DATE: DEC. '72		HALTER DWG. NO.
DRAWN BY: PRESTER	CKD BY: JONES		S-21
HALTER CIRCLE NO. 375	HALTER JOB NO. 2187		SHT. 2 OF 2
NAVSHIPS NO. 376	NAVSHIPS NO. 1138	AGOR 21-120 CO1	

HALTER MARINE SERVICES, INC. 00067
P.O. BOX 29266 NEW ORLEANS, LA. 70129

U.S. NAVAL SHIP SYSTEMS COMMAND
WASHINGTON D.C. 20360

OCEANOGRAPHIC RESEARCH SHIP
AGOR (UTILITY) CLASS

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NO.	DESCRIPTION	BY
	REVISIONS	
1	11-14-73	
	APPROVALS	
	ABS?	
	USCG	
	USPHS	
	FCC	

GYRE087