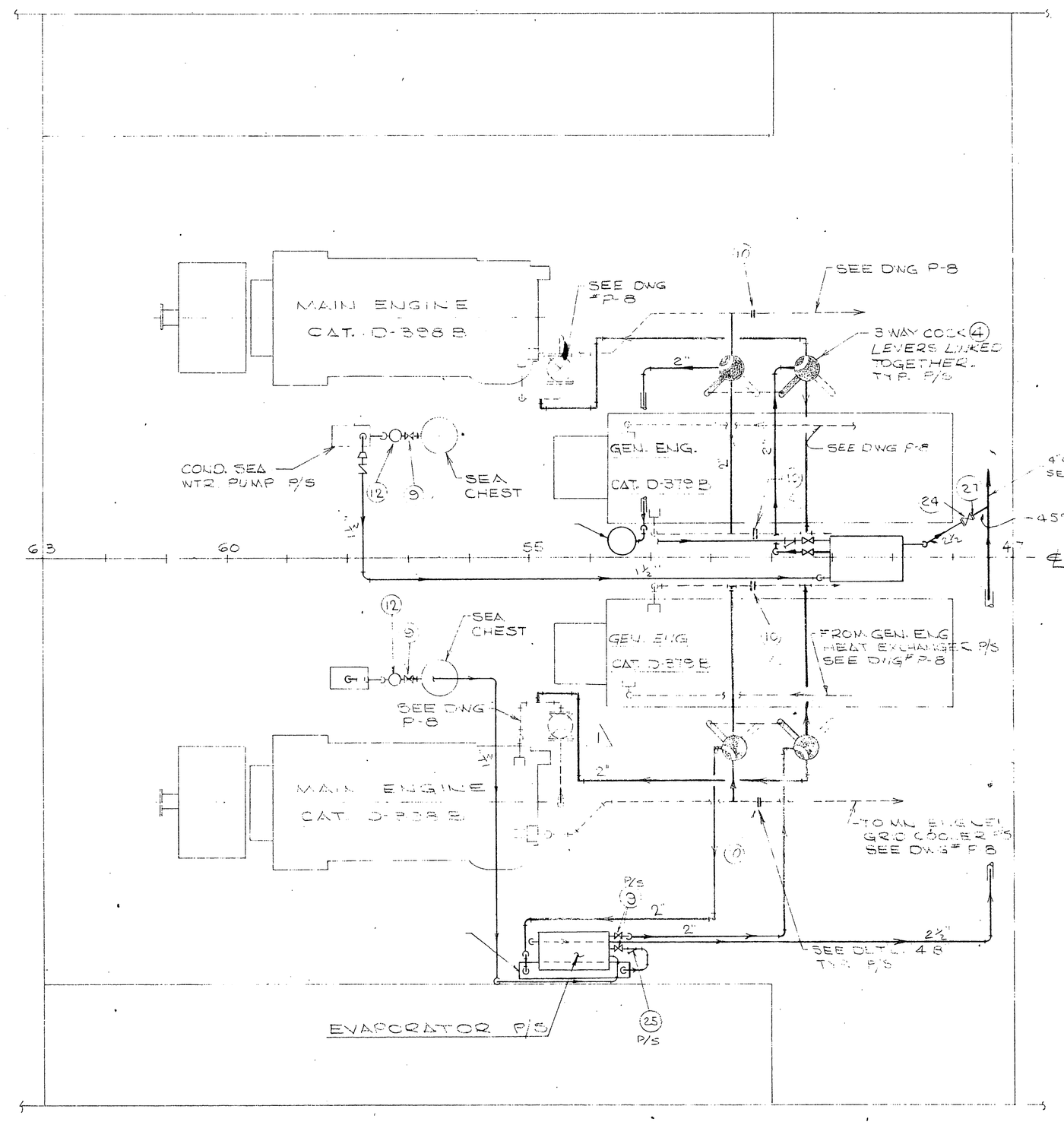
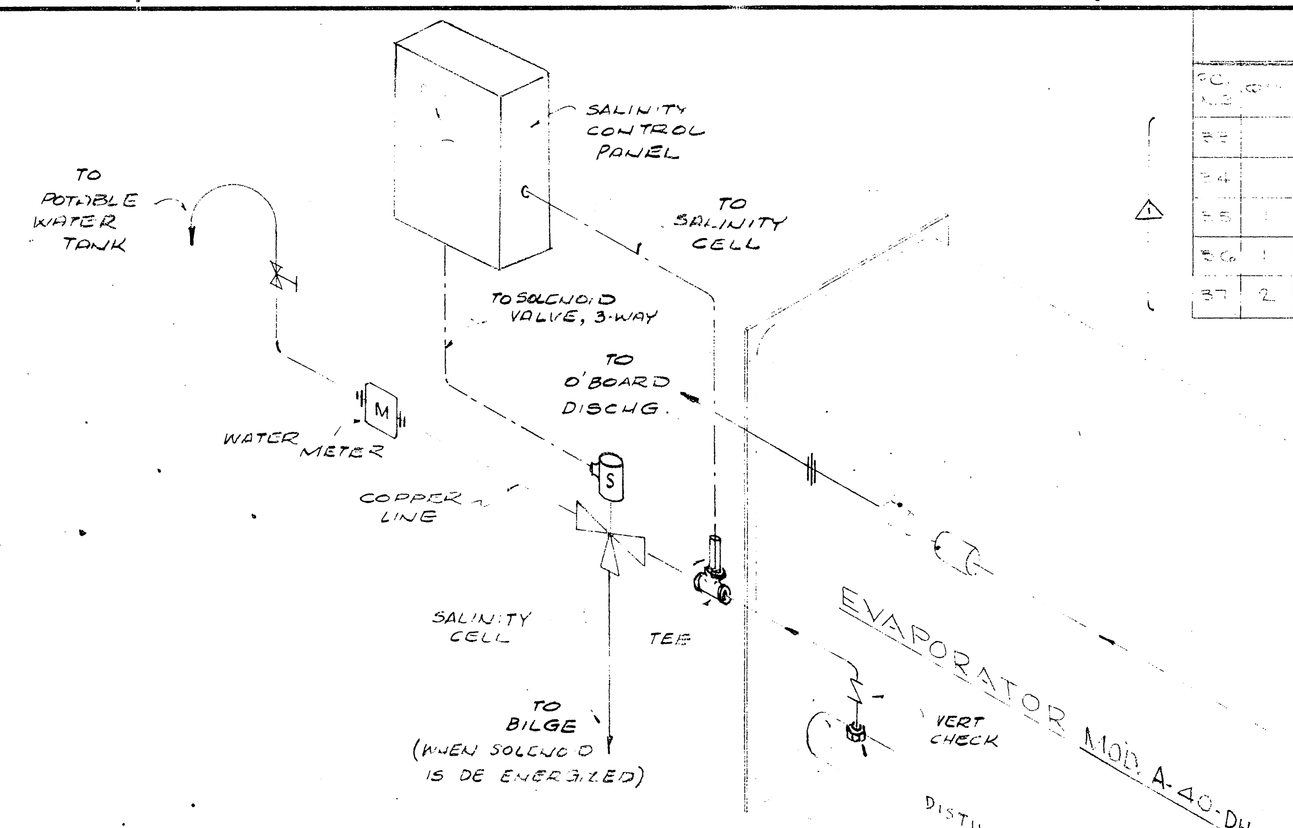
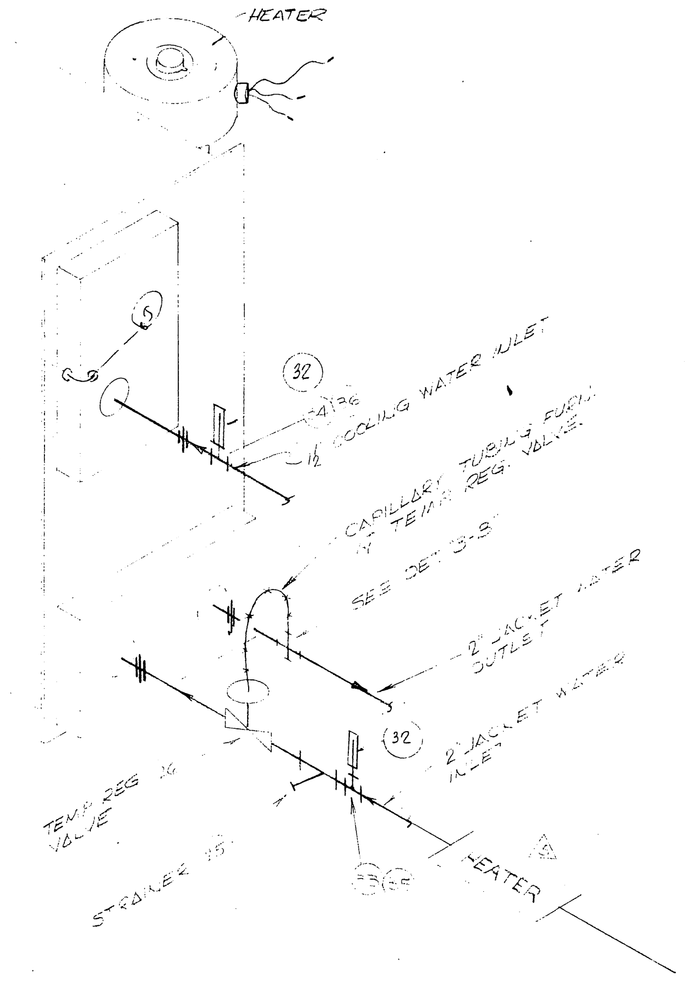
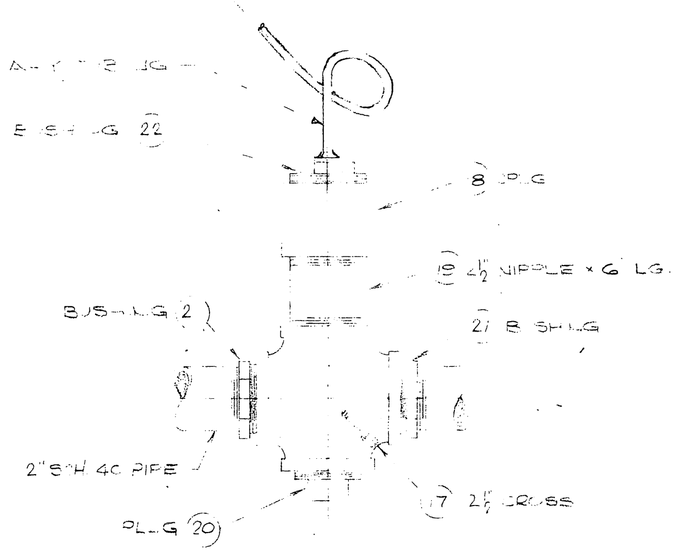
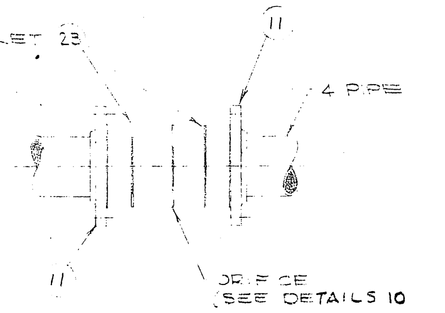




NOTE: WHEN CONNECTING LINE, TO PREVENT DAMAGE TO DIST COOLER, RESTRAIN THIS FITTING WITH WRENCH.







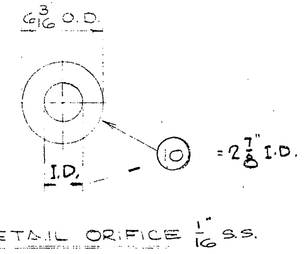


FIG. NO.	QUAN.	SIZE	DESCRIPTION	CAT. ITEM NO.	REF. NO.
P-2	1		TEE 150# SCRD GALV. MI ASTM A-197	371	
P-3	1				
P-5	2	½ x ½ x ¼	PIPE PLUG 3000# HEX HD ASTM A-105	371	
P-6	1	½ x ½ x ¼			
P-7	1				
P-7	2	½	SOLENOID VALVE 150# SCRD 2-WAY NORM. CLOSED	371	

BILL OF MATERIAL

DWG. NO.	QUAN.	SIZE	DESCRIPTION	COST ITEM	P.O. NO.	VENDOR	DATE REQD. YARD	DATE REC'D
1	200'	2"	PIPE, GALV. STL. SCH 40 SMLS. ASTM A-53 GR B					
2	80	1½"	"					
3	60	½"	"					
4	4	2"	3 WAY 150# SCRD. LEVER CONN. BRZ.					
5	1	2½ x 2 x ½	TEE REDUCING BRZ. GATE VALV. STL. SCH. 40 ASTM A-234					
6	96	2"	90° ELBOW M.I. GALV. 150# SCRD. ASTM A-47					
7	14	1½"	"					
8	1	2½"	45° ELBOW M.I. GALV. STL. SCH 40 ASTM A-234					
9	6	2"	GATE VALVE SCRD 150# BRZ. MODEL TEM 0561 B-61					
10	4	⅛ THK	GF FINE STAINLESS STL. GASKET OD 2½ I.D. PER DETAIL			WALKER RING CO.		
11	8	4	FLG 150# R.F. CONN. ASTM A-151					
12	2	2"	SIMPLEX STRAINER SCRD. GALV. KRAMER 72-13					
13	2	2" x 1½"	CONC. REDUCER SCH. 40 SCRD. GALV. STL. ASTM A-234					
14	2	1½ x ¼"	PLUG 150# SCRD. M.I. GALV. ASTM A-47					
15	8	2"	UNION M.I. GALV. 150# SCRD. ASTM A-47					
16	2	1½"	"					
17	2	2½	CROSS 150# SCRD. M.I. GALV. ASTM A-47					
18	2	2½	PLUG 150# SCRD. M.I. GALV. ASTM A-47					
19	2	2½"	NIPPLE SCH. 40 SMLS x G/G GALV. ASTM A-53 GR B					
20	2	2½	PLUG 3000# SQ. HD. P.S. ASTM A-105					
21	4	2½ x 2"	BUSHING 3000# HEX. HD. P.S. ASTM A-105					
22	2	2½ x 1	BUSHING 3000# HEX HD. P.S. ASTM A-105					
23	4	⅛ THK	GASKET GF OD x I.D.					
24	1	2½"	UNI-CHEK CHECK VALVE MISSION 150# SCR MF					
25	2	2"	Y-STRAINER 17 & MESH 125# SCRD CRANE # 988½					
26	2	2"	TEMP REG HEATING VALVE POWERS # 555-5674 150# 150° F ALL BRONZE WITH 5 FT CAPILLARY & 1" x 8" BULB WITH FIXED UNION SIZE 1/4" PIPE, STEM LUBRICATOR & TEMP INDICATOR			COMPARE SA-55 C.O.		
27	2	2½	FLG 150# RF SO ASTM A-181	371				
28	1	2½ x 2	CONC. REDUCER SCH 40 B.W. GALV. ASTM A-234	371				
29	1	¼ x 2"	REDUCING 90° ELBOW 150# SCRD M. GALV ASTM A-47	371				
30								
31	2	1½ x 1½	GALV. M.I. SCREWED BELL & PLG	371				
32	4	¼ NPT	30°-240° F. HB MIDGET THERMO. W/WELL	371				

OCT 30 1973

SYM	DESCRIPTION	DATE	BY
4	AS BUILT	9/19/73	
3	ADDED HEATER IN INLET LINE, DELETED EVAP. AS PER CHG'S & ORIFICE IN NO.	10/8/73	
2	REV PIPE CONNECTION & NO.	7-11-73	
1	REVISIONS AS NOTED	5-14-73	

REVISIONS

NO. 3 7 MAR 73

APPROVALS

ABS° 0 4-9-73 FCC

USCG

USPHS

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

OCEANOGRAPHIC RESEARCH SHIP
AGOR (UTILITY) CLASS

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

EVAPORATOR PIPING

SCALE:	3/8" = 1'-0"	DATE	DEC. 72	HALTER DWG. NO.	P-14
DRAWN BY:	R. LESTER	CK'D BY			
HALTER HULL NO.	375 376	HALTER JOB NO.	2187 2185		
NAVSHIPS NO.	AGOR 21-EP17-001			REV.	4

REFERENCE DRAWINGS
S-21 SEA CHEST
P-8 MN & AUXILIARY ENG COOLING
A-3 MACHINERY ARRANGEMENT

PUMP DATA
CONCELSER SEA WATER PUMP - GOULDS
NO. 3642 1½ x 14 W/ 2 H.P. MTR., 30 GPM @ 15 FT. HD.