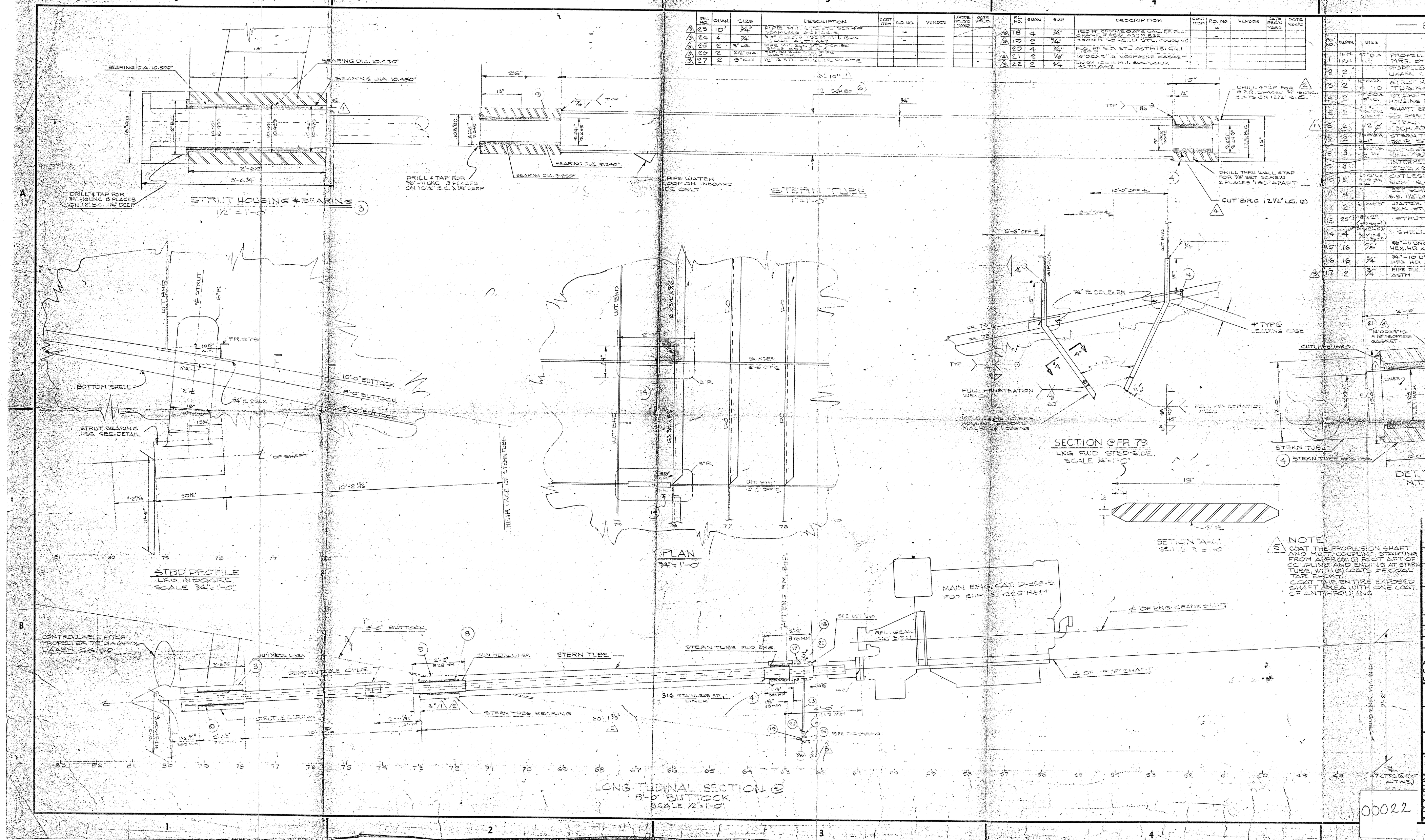

SYM	QUAN.	SIZE	DESCRIPTION	COST ITEM	P.O. NO.	VENDOR	DATE REQ'D YARD	DATE REC'D
23	10'	3/4"	PIPE M.I. [illegible] SCH 40					
24	4	3/4	[illegible]					
25	2	8" LG	PIPE M.I. [illegible]					
26	2	2 1/2 DIA	STR. [illegible]					
27	2	8" O.D	1/2" [illegible] STL [illegible] PLATE					

SYM	QUAN.	SIZE	DESCRIPTION	COST ITEM	P.O. NO.	VENDOR	DATE REQ'D YARD	DATE REC'D
18	4	3/4	150 LB [illegible] VAL. F.F. FL. [illegible] ASTM A 395					
19	2	3/4	[illegible] STL. [illegible]					
20	4	3/4"	FLG. F.F. 150 STL ASTM 181 GR. 1					
21	2	1/8"	16" O.D. X [illegible] NEOPRENE GASKET					
22	2	3/4	[illegible] ASTM A 47					

BILL OF MATERIALS

SYM	QUAN.	SIZE	DESCRIPTION	COST ITEM	P.O. NO.	VENDOR	DATE REQ'D YARD	DATE REC'D
1	1 L.H. 1 R.H.	7'-0" D	PROPELLER 5 BLADE "SS" MTS. 24" LIGHTN. (RH.N.)			HOLMES & SYNTRON SYSTEMS		
2	2		PROPELLER SHAFT 24" LINER (RH.) SS			SYNTRON SYSTEMS		
3	2	1 1/2 DIA X 1 1/2	STUFF. BOXES 1 1/2" [illegible] TUBING					
4	2	3/16"	[illegible] BEARING HOUSING MACH. STL. TUBING					
5	2		SHAFT SEAL - FACE TYPE [illegible]			SYNTRON MARINE		
6	4	1/2"	[illegible]					
7	2	7 1/2 DIA X 3 1/2"	STERN TUBE [illegible] 24" P. STL					
8	3		CUTLESS BEARING E.P. [illegible]					
9	2		INTERMEDIATE BRG. [illegible]					
10	2	3/4 DIA	CUTLESS SHAFT 3 1/2 [illegible]					
11	4		SET SCREWS 3/8-16 UNC. S.S. 1/2 LG. CONE PT.					
12	2	6"	[illegible]					
13	25	9" X 2"	STRUT PLATE					
14	4	3/4 (1/2 S.S.)	SHELL DELTA					
15	16	7/8	5/8"-11 UNC MACH. BOLTS HEX. HD. X 1 5/8" LONG S. STL.					
16	16	3/4	3/4"-10 UNC MACH. BOLTS HEX HD. X 1 3/8" LG. S.S.					
17	2	3/4	PIPE FLG. F.F. 150 WN M.I. BLK ASTM					

SYM	DESCRIPTION	DATE	BY
5	ADDED SHAFT COATING NOTE	4/1/75	[illegible]
4	ADDED NEOPRENE GASKET & REVISED SHAFT SEAL & FWD STERN TUBE SHO. HSG. ADDED FWD STERN TUBE SHO. HSG.	3/4/75	[illegible]
3	ADDED FWD CUTLESS BRG. LUBRICATING WATER PIPING SYSTEM & S.S. LINER	2/10/75	[illegible]
2	REV. S.S. LINER INSIDE OF STUFF. BOX, ADD HSG. REV. POS. OF STERN TUBE FROM ENG. RM. BHD. REV. NOTE FROM DRILLING PLG. STERN TUBE SHO. HSG.	2/2/75	[illegible]
1	REV. SHAFT LINER POSITION IN WAY OF INTERMEDIATE BRG. HSG. REV. PLG. OF SHAFT LINER IN WAY OF STUFF. BOX. ADD. DIA. OF 12" A PIPE STERN TUBE. ADD. FWD. STERN TUBE, BEARING	1/7/75	[illegible]

REVISIONS

N.O. 12-13-72

APPROVALS

ABS @ 3-16-73

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

OCEANOGRAPHIC RESEARCH SHIP
AGOR (UTILITY) CLASS

00022

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

PROP SHAFT ARRANGEMENT & STRUT DETAILS

SCALE:	NOTED	DATE	12-2-72	HALTER DWG. NO.
DRAWN BY:	[illegible]	CK'D BY	JONES	M-1
HALTER HULL NO.	576 & 578	HALTER JOB NO.	2187 & 2188	
NAVSHIPS NO.	AGOR 21-203-1			REV. 5

00022

GYRE132