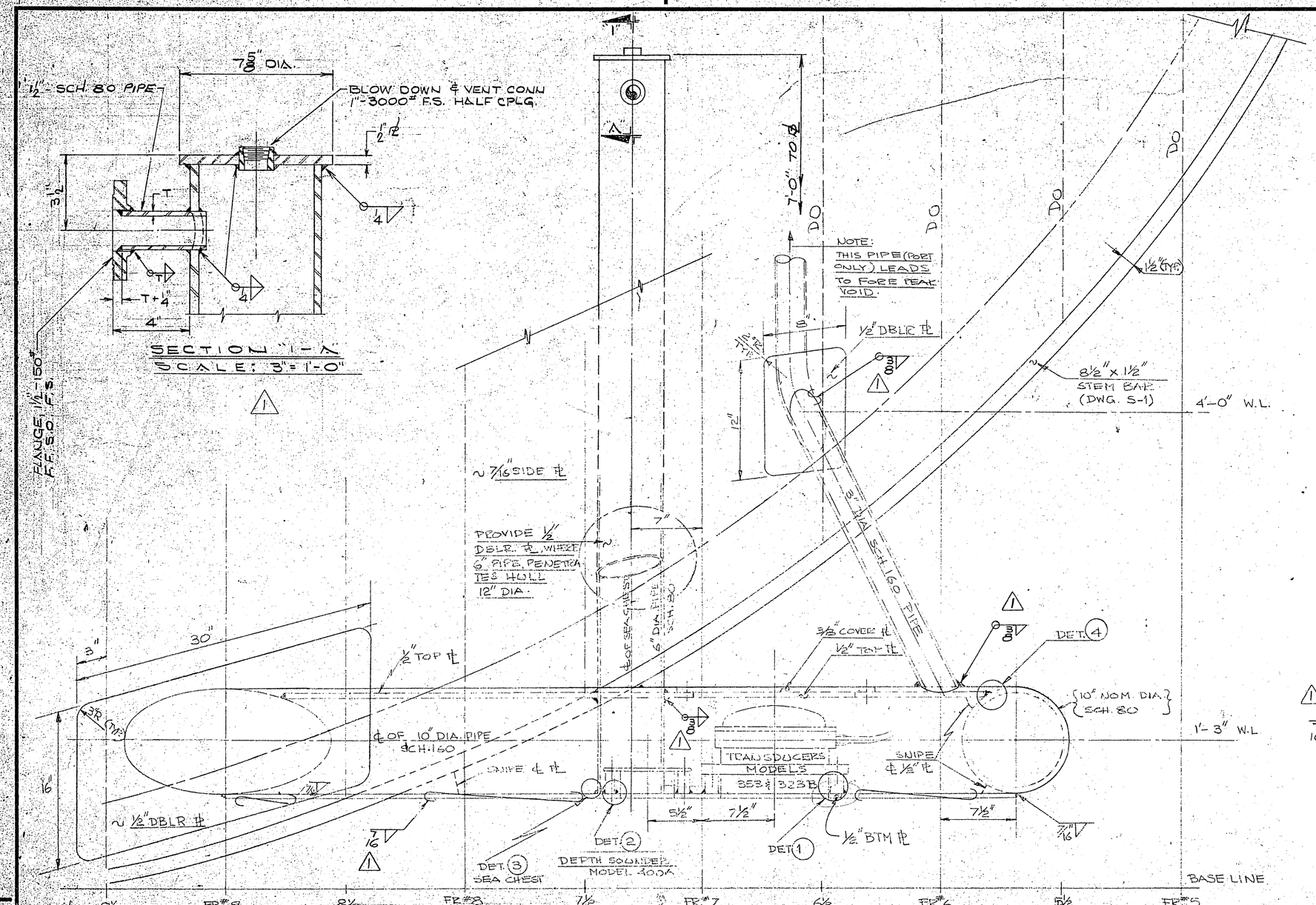
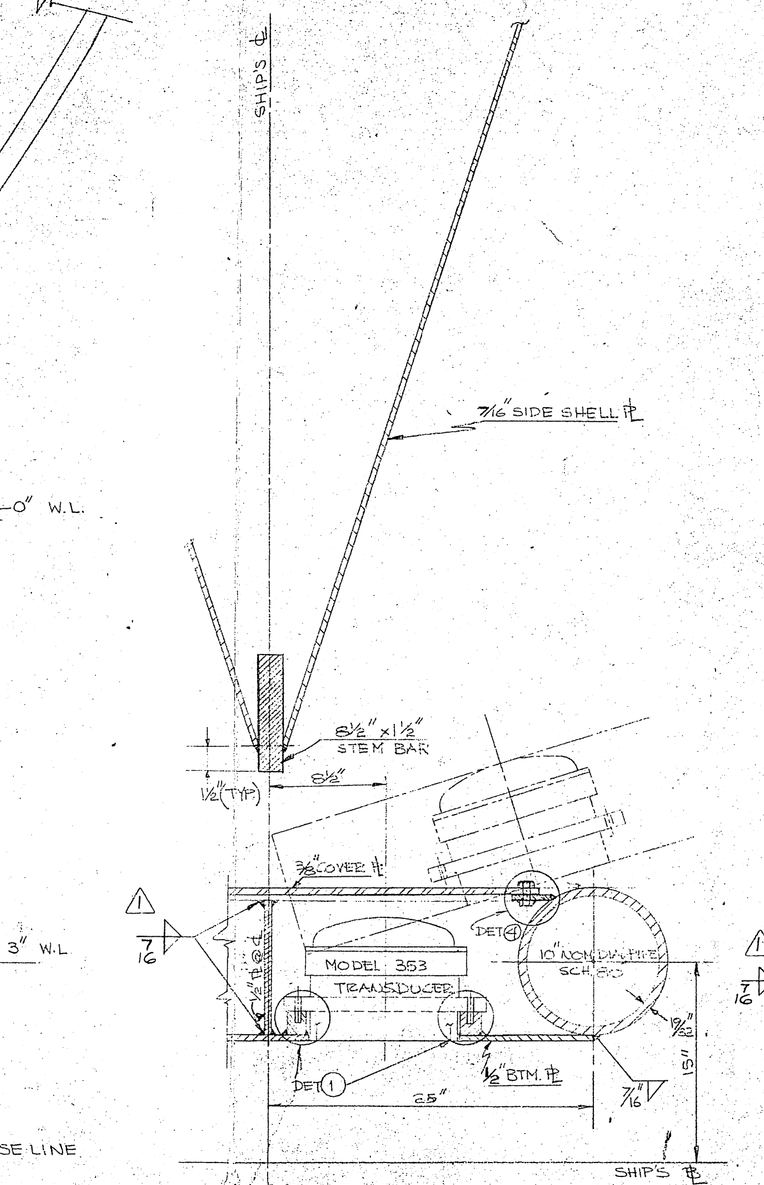
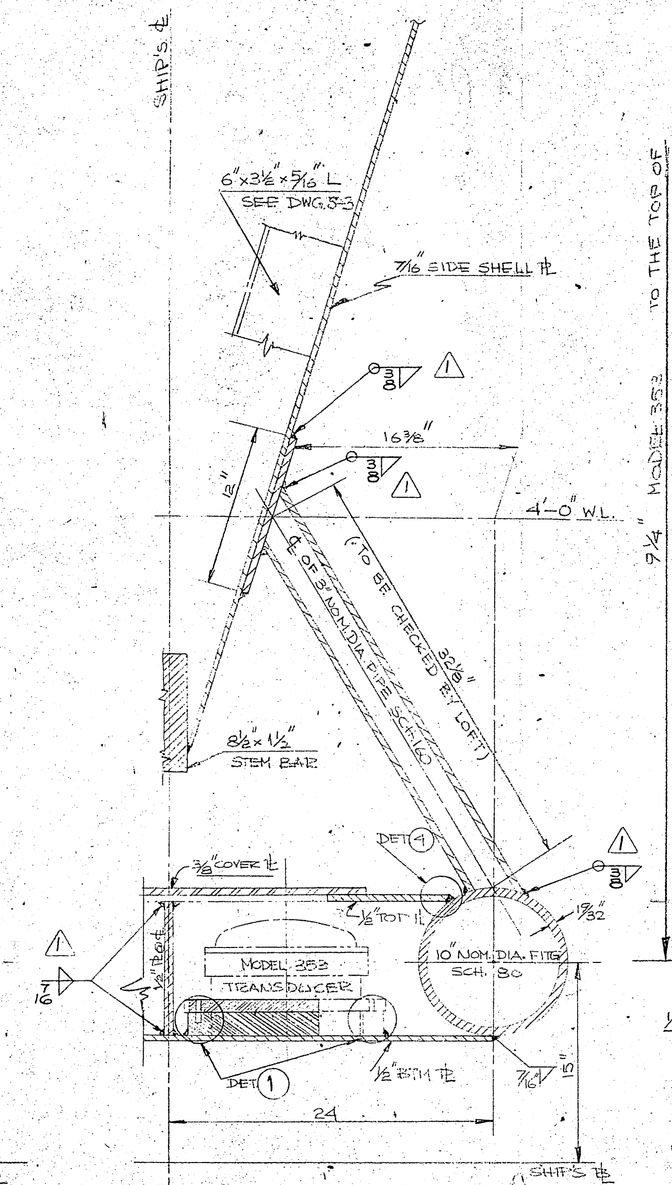
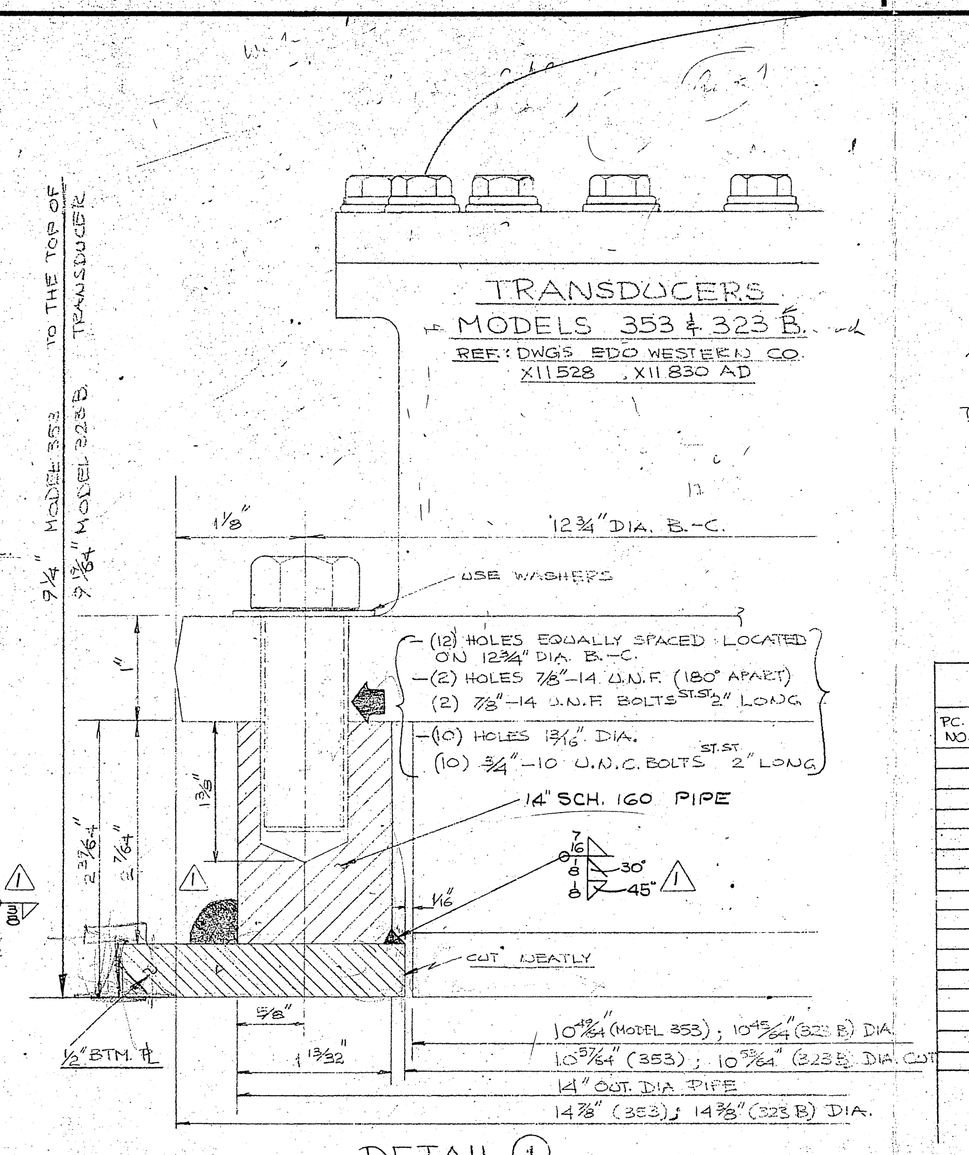
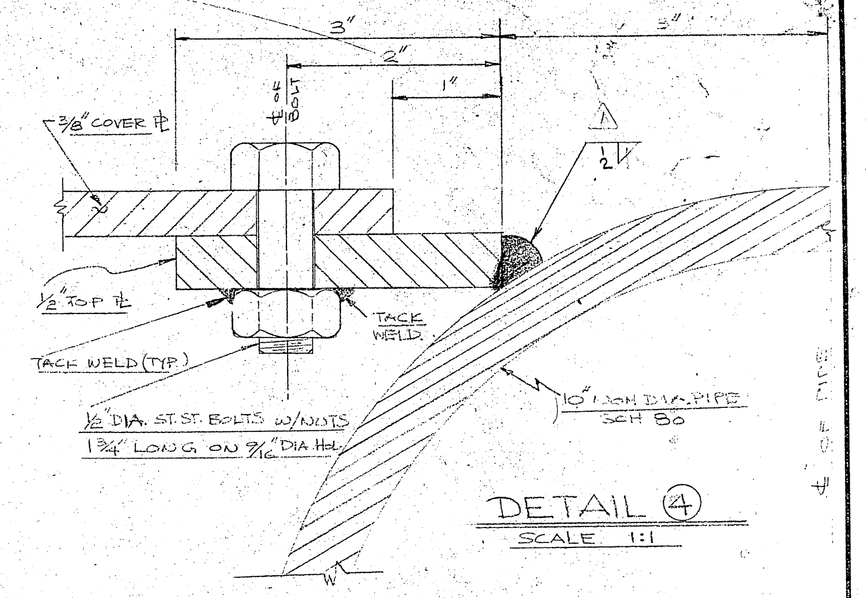




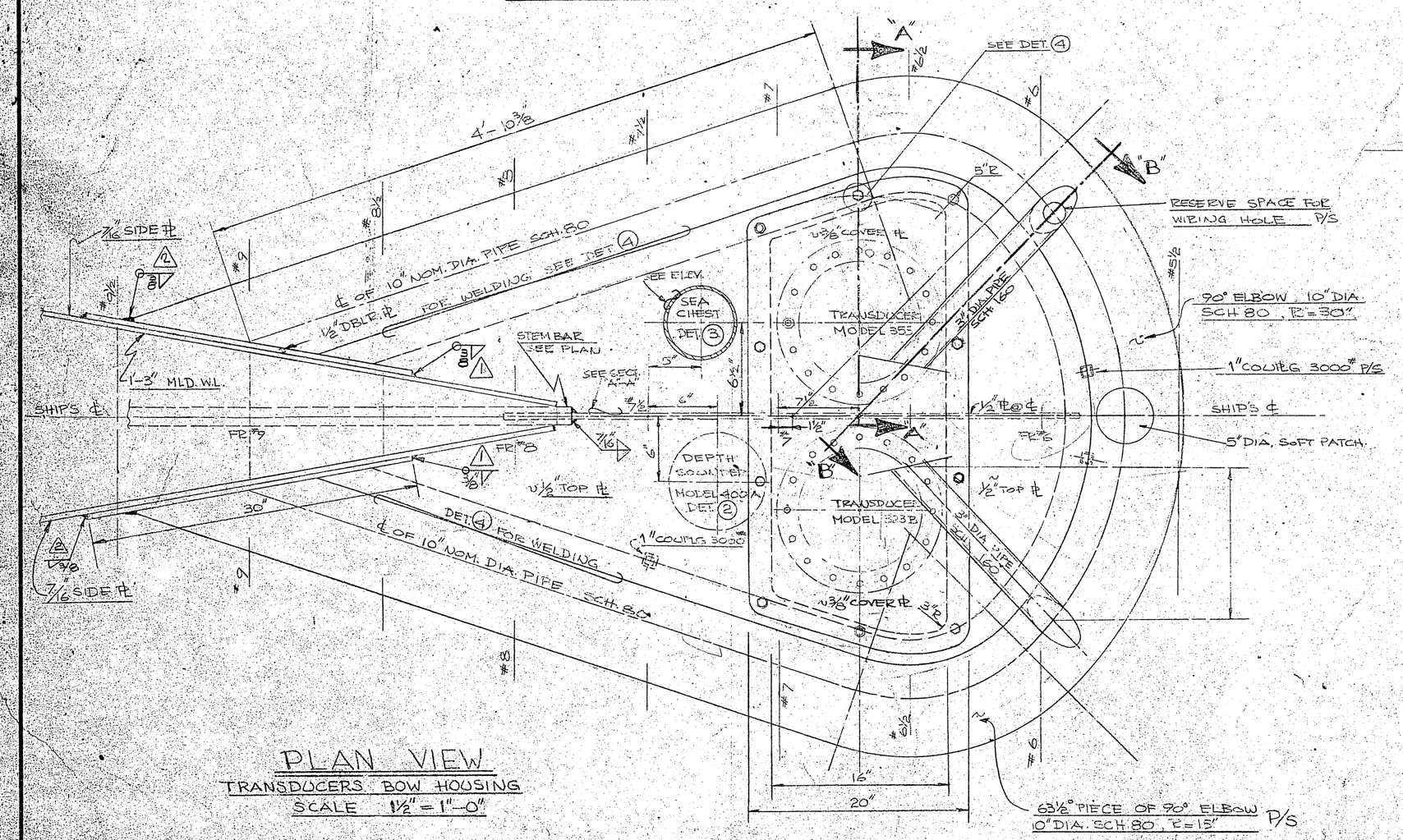


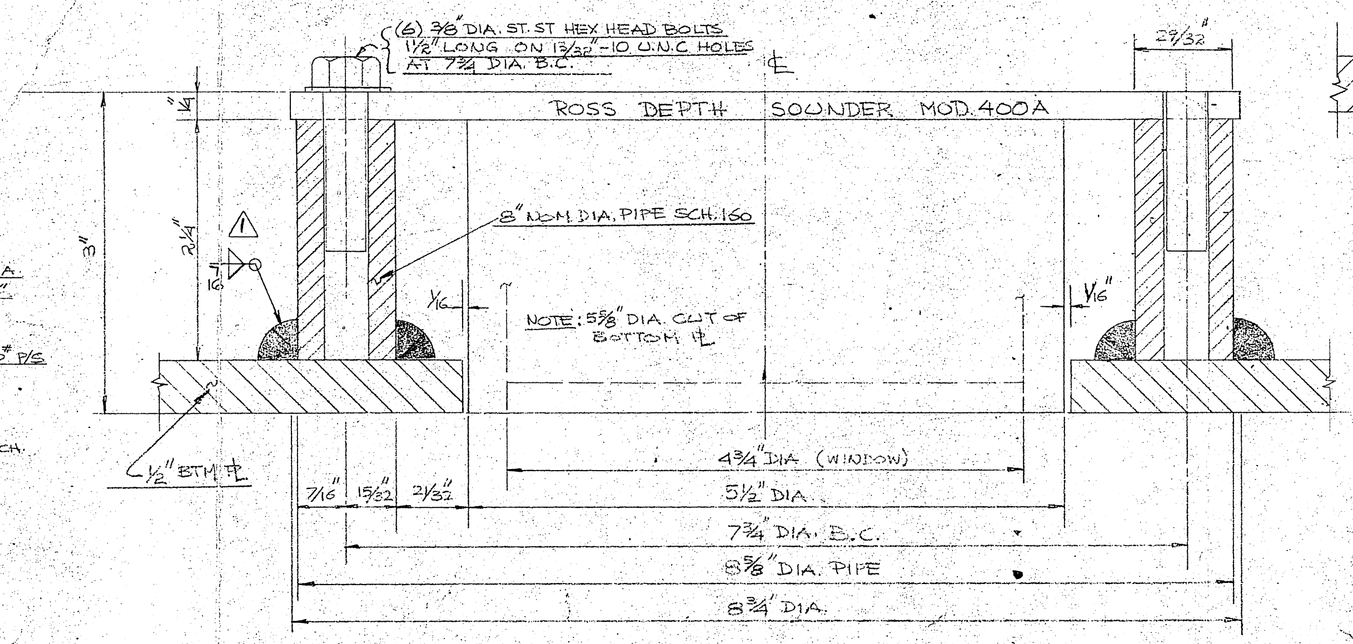


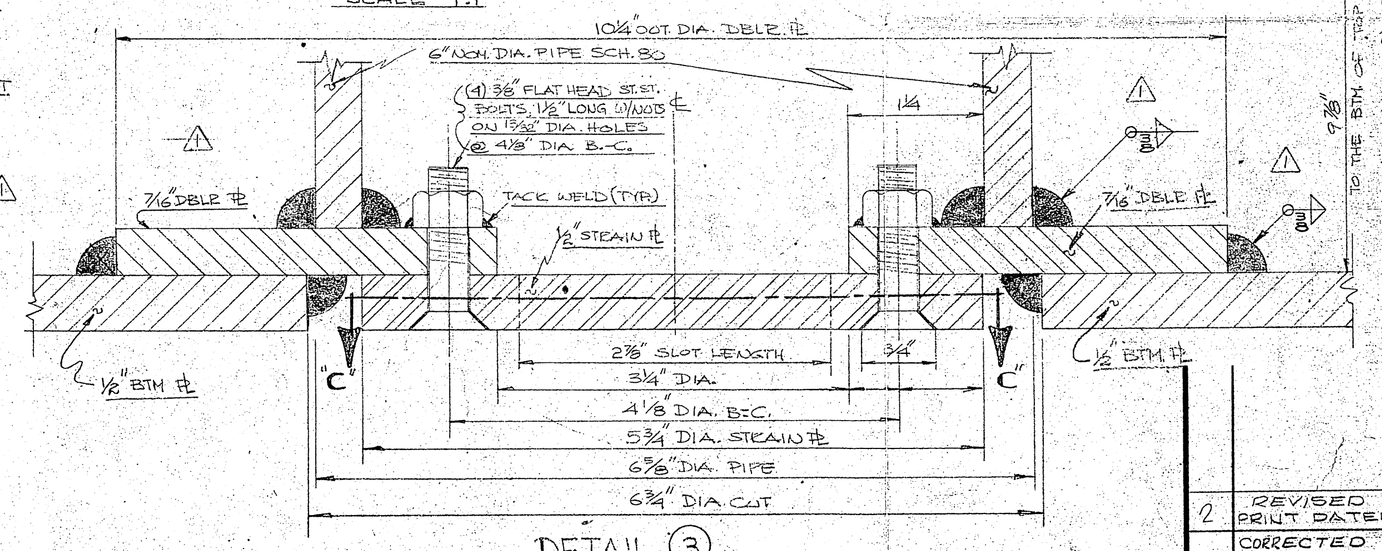


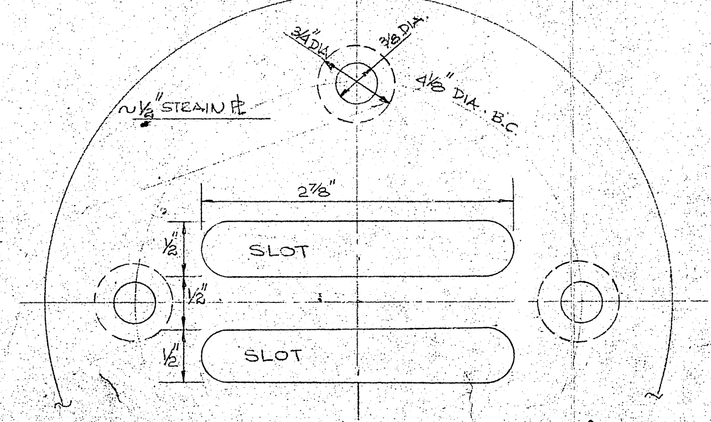
BILL OF MATERIALS

PC. NO.	QUAN.	SIZE	DESCRIPTION	COST ITEM	P.O. NO.	VENDOR	DATE REQ'D	DATE RCV'D
	6"	14"	PIPE, BULK STL, SMLS, ASTM A53 GRB SCH 160					
	33'	10"	" " " " " " SCH 80					
	214'	8"	" " " " " " SCH 160					
	5'	6"	" " " " " " SCH 80					
	4'	3"	" " " " " " SCH 160					
	50#	½"	STEEL PLATE					
	55 FT	⅜"	" "					
	10	½"-10	U.N.C. ST. ST. BOLTS W/NUTS 1¾" LONG					
	20	⅜"-10	U.N.C. ST. ST. BOLTS 2" LONG					
	4	⅞"-14	U.N.F. ST. ST. BOLTS 2" LONG					
	6	¾"-10	U.N.C. ST. ST. BOLTS 1½" LONG					
	4	⅜"	FLAT HEAD ST. ST. BOLTS W/NUT 1½" LONG					
	6		ST. ST. SWAGE TUBES					
			CABLE (TTES 4T)					









GENERAL NOTES

1. ALL DIMENSIONS TO BE VERIFIED BY SHIP'S LOFT.
2. DIAMETERS OF CUTS THRU BTM ℄ TO BE AS FOLLOW:
   a. MOD 353 10¾"
   b. MOD 323 B. 10⅜"
   c. DEPTH SOUNDER, MOD 400A 5⅜"
   d. SEA CHEST 6⅜"
3. ALL CUTS @ THE BTM ℄ TO BE USUALLY MADE BY THE HOLDING OF THE TRANSDUCERS.
4. SPECIAL ATTENTION TO BE GIVEN TO THE HOUSING OF THE TRANSDUCERS.
5. STOPPING PIPES TO BE USED AS INDICATED @ HULL & PIPE PENETRATION FOR THE CABLES.

SYM	DESCRIPTION	DATE	BY
	REVISIONS		
2	REVISED PER A.E.S. MARKED PRINT DATED 5-16-73	5-25-73	RR/TL
1	CORRECTED WELD SYMBOLS AND COMPLETED SEA CHEST DETAILS	4-9-73	RR/TL

N.O. ② 2-27-73

APPROVALS

ABS° FCC

USCG

USPHS

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

OCEANOGRAPHIC RESEARCH SHIP
AGOR (UTILITY) CLASS

HALTER MARINE SERVICES, INC. 00078
P.O. BOX 29266 NEW ORLEANS, LA. 70129

SONAR BOW DOME

SCALE	AS SHOWN	DATE	FEB. 21, 1973	HALTER DWG. NO.	
DRAWN BY	LEO	CK'D BY			
HALTER HULL NO.	375	HALTER JOB NO.	2187 2186		S-30
NAVSHIPS NO.	AGOR 21-127001			REV.	

00078

GYRE148