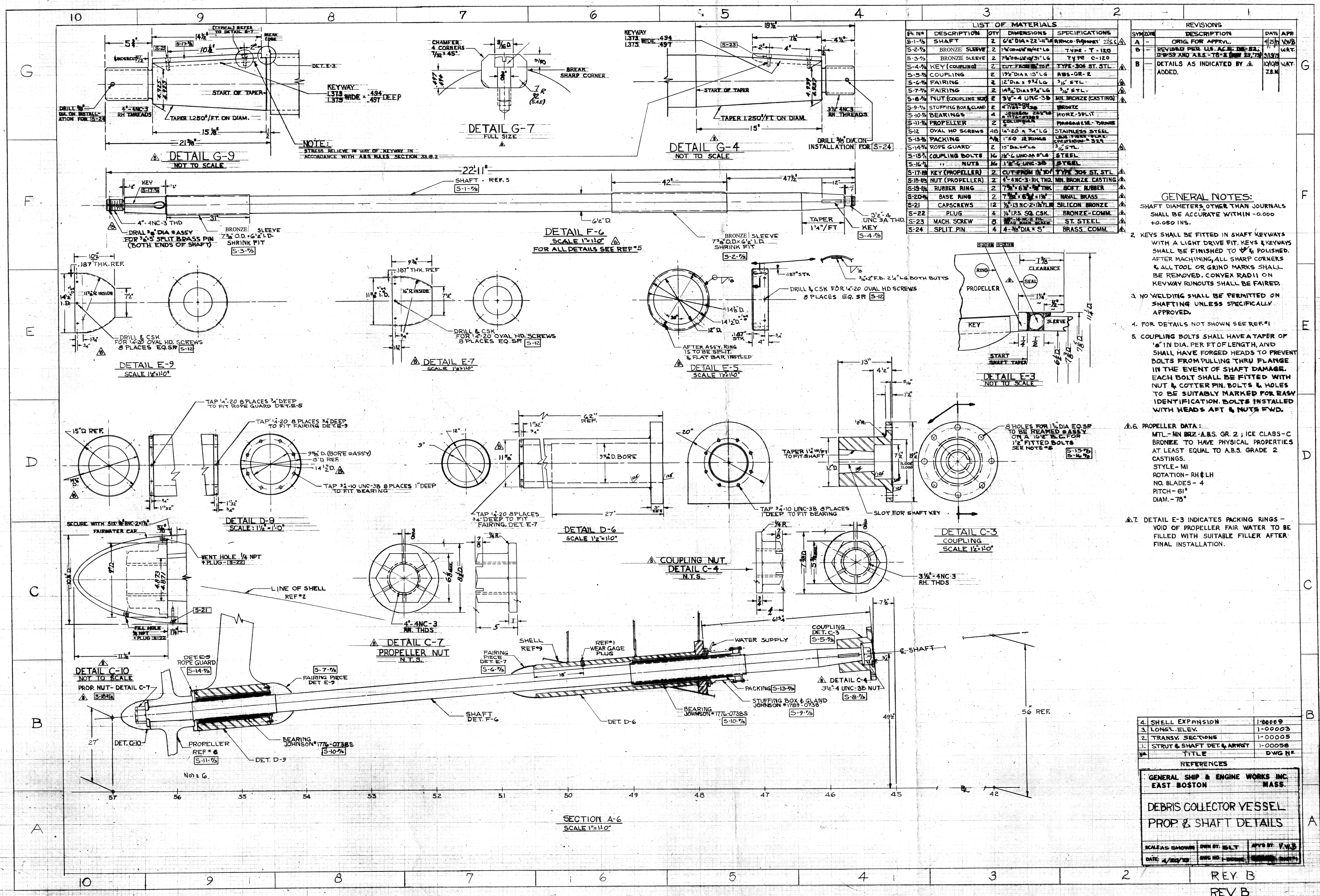

LIST OF MATERIALS

FL. Nº	DESCRIPTION	QTY	DIMENSIONS	SPECIFICATIONS
S-1-⅞	SHAFT	2	6"Ø DIA × 22'-11" LG	ARMCO-PROMET 22S.S.
S-2-⅞	BRONZE SLEEVE	2	7⅝"OD × 6½" ID × 42" LG	TYPE - T - 120
S-3-⅞	BRONZE SLEEVE	2	7⅝"OD × 6½" ID × 31" LG	TYPE C-120
S-4-⅞	KEY (COUPLING)	2	CUT FROM 1½" TO 1"	TYPE-304 ST. STL.
S-5-⅞	COUPLING	2	19⅝" DIA × 13" LG	ABS-GR-2
S-6-⅞	FAIRING	2	12" DIA. × 93¾" LG	3/16" STL.
S-7-⅞	FAIRING	2	14 9/16" DIA × 93¾" LG	3/16" STL.
S-8-⅞	NUT (COUPLING NUT)	2	3½"-4 UNC-3B	MN. BRONZE (CASTING)
S-9-⅞	STUFFING BOX & GLAND	2	4" (1769-0738)	BRONZE
S-10-⅞	BEARINGS	4	JOHNSON 2A2"LG # 1776-0738S	HORZ.-SPLIT
S-11-⅞	PROPELLER	2	COLUMBIAN #	MANGANESE-BRONZE
S-12	OVAL HD SCREWS	48	¼"-20 × ¾" LG	STAINLESS STEEL
S-13-⅞	PACKING	A/R	1" SQ 12 RINGS	LONG-FIBRE-STEAM-GRADE-SGS
S-14-⅞	ROPE GUARD	2	15" DIA. × 4" LG	3/16" STL.
S-15-⅞	COUPLING BOLTS	16	1½"-6 UNC-3A 5" LG	STEEL
S-16-⅞	" NUTS	16	1½"-6 UNC-3B	STEEL
S-17-⅞	KEY (PROPELLER)	2	CUT FROM 1½" TO 1"	TYPE 304 ST. STL
S-18-⅞	NUT (PROPELLER)	2	4"-4NC-3-RH. THD.	MN. BRONZE CASTING
S-19-⅞	RUBBER RING	2	7⅝" × 6½" × ⅝" THK.	SOFT RUBBER
S-20-⅞	BASE RING	2	7⅝" × 6½" × 1½"	NAVAL BRASS
S-21	CAPSCREWS	12	½"-13 NC-2 × 1½" LG	SILICON BRONZE
S-22	PLUG	4	¼" I.P.S. SQ. CSK.	BRONZE-COMM.
S-23	MACH. SCREW	8	3/8"-16-NC-2 FIL. HEAD BLACK SCREW	ST. STEEL
S-24	SPLIT PIN	4	4"-3/8" DIA. × 5"	BRASS COMM.

REVISIONS

SYM	ZONE	DESCRIPTION	DATE	APR
A	-	ORIG. FOR APPRVL.	4/25/79	VWB
B	-	REVISED PER U.S. A.C. EL. DE-52, D-B-59 AND A.B.S. - TS-2 DATED 29/79	9/19/79	WAT.
B	-	DETAILS AS INDICATED BY ⚠ ADDED.	10/10/79	WAT. J.B.M.

GENERAL NOTES:

1. SHAFT DIAMETERS, OTHER THAN JOURNALS SHALL BE ACCURATE WITHIN -0.000 +0.050 INS.
2. KEYS SHALL BE FITTED IN SHAFT KEYWAYS WITH A LIGHT DRIVE FIT. KEYS & KEYWAYS SHALL BE FINISHED TO ⚠ & POLISHED. AFTER MACHINING, ALL SHARP CORNERS & ALL TOOL OR GRIND MARKS SHALL BE REMOVED. CONVEX RADII ON KEYWAY RUNOUTS SHALL BE FAIRED.
3. NO WELDING SHALL BE PERMITTED ON SHAFTING UNLESS SPECIFICALLY APPROVED.
4. FOR DETAILS NOT SHOWN SEE REF. #1
5. COUPLING BOLTS SHALL HAVE A TAPER OF 1" IN DIA. PER FT OF LENGTH, AND SHALL HAVE FORGED HEADS TO PREVENT BOLTS FROM PULLING THRU FLANGE IN THE EVENT OF SHAFT DAMAGE. EACH BOLT SHALL BE FITTED WITH NUT & COTTER PIN. BOLTS & HOLES TO BE SUITABLY MARKED FOR EASY IDENTIFICATION. BOLTS INSTALLED WITH HEADS AFT & NUTS FWD.
6. PROPELLER DATA:
   MTL. - MN BRZ - A.B.S. GR. 2 ; ICE CLASS - C BRONZE TO HAVE PHYSICAL PROPERTIES AT LEAST EQUAL TO A.B.S. GRADE 2 CASTINGS.
   STYLE - MI
   ROTATION - RH & LH
   NO. BLADES - 4
   PITCH - 61"
   DIAM. - 78"
7. DETAIL E-3 INDICATES PACKING RINGS - VOID OF PROPELLER FAIR WATER TO BE FILLED WITH SUITABLE FILLER AFTER FINAL INSTALLATION.

Nº	TITLE	DWG Nº
4.	SHELL EXPANSION	1-00009
3.	LONG'L. ELEV.	1-00003
2.	TRANSV. SECTIONS	1-00005
1.	STRUT & SHAFT DET. & ARRGT	1-00058

REFERENCES

GENERAL SHIP & ENGINE WORKS INC.
EAST BOSTON MASS.

DEBRIS COLLECTOR VESSEL
PROP & SHAFT DETAILS

SCALE: AS SHOWN | DWN BY: B.L.T. | APV'D BY: V.W.B.
DATE: 4/20/78 | DWG NO: 1-[illegible] | [illegible]

REV B

REV B