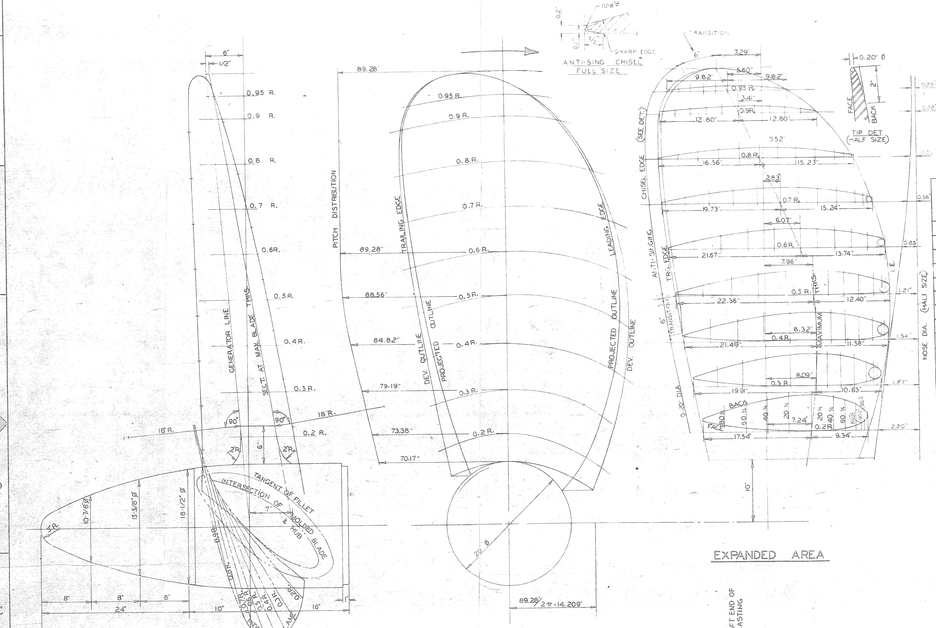
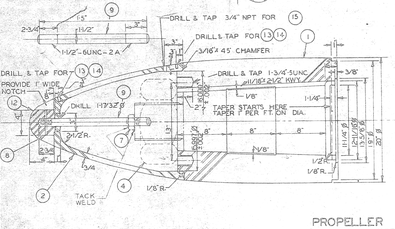
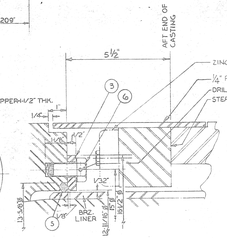


EXPANDED AREA



PROPELLER ASS'Y

NUT STOPPER (11)



SEAL DETAIL

O-RING RETAINER (3)

Y/R	TRAILING PART T.E.	80%	60%	40%	20%	MAX THK	20%	40%	60%	LEADING PART 80%	90%	95%	L.E.
	ORDINATE FOR BACK OF BLADE												
0.2	1.91	3.15	4.14	4.95	5.50	5.70	5.62	5.39	4.98	4.24	3.67	3.25	
0.3	1.48	2.63	3.62	4.38	4.89	5.05	4.97	4.75	4.37	3.68	3.15	2.77	
0.4	0.99	2.14	3.09	3.87	4.27	4.40	4.32	4.10	3.71	3.10	2.65	2.30	
0.5	0.54	1.63	2.57	3.23	3.64	3.75	3.68	3.47	3.09	2.54	2.13	1.82	
0.6	0.20	1.25	2.08	2.65	3.00	3.10	3.04	2.83	2.46	1.97	1.62	1.45	
0.7	0.20	0.97	1.64	2.08	2.37	2.45	2.39	2.18	1.84	1.40	1.08	0.88	
0.8	0.20	0.74	1.22	1.54	1.74	1.80	1.75	1.54	1.13	0.87	0.62	0.46	
0.9	0.20	0.52	0.81	1.00	1.12	1.15	1.12	1.00	0.81	0.52	0.35	0.25	
0.95	0.20	0.40	0.58	0.71	0.80	0.82	0.80	0.71	0.53	0.40	0.20		
	ORDINATE FOR FACE OF BLADE												
0.2	1.71	1.04	0.62	0.31	0.09	0	0.03	0.13	0.34	0.77	1.16	1.49	2.28
0.3	1.28	0.62	0.29	0.09		0	0.00	0.07	0.23	0.55	0.86	1.12	1.90
0.4	0.79	0.27	0.07			0		0.01	0.12	0.34	0.55	0.79	1.52
0.5	0.34	0.07				0			0.03	0.18	0.32	0.50	1.14
0.6						0				0.03	0.14	0.20	0.76
0.7						0					0.01	0.06	0.39

OFFSET OF BLADE SECTION
FIGURES ARE IN INCHES

PRINCIPAL CHARACTERISTICS

DIA.	144.0"
BLADE NUMBER	4
DIR. OF ROT.	RH.
PITCH	AS SHOWN (89.28" @ 0.7 R)
EXP. AREA	5184 FT.²
MAT.	18-8 LOW CARBON STAINLESS STEEL
	MIN. ULT. T-STR. 70,000 P.S.I.
	MIN. YIELD STR. 38,000 P.S.I.
	MIN. ELONG. 40% ON 2"
	R.A. 45%
EXP. RATIO	0.467

REFERENCES

NO	TITLE	DRAWING NUMBER MMC	NAVSHIPS
1	STERN TUBE & STUFFING BOX	019	203-4442388
2	SHAFTING ARR	021	203-4442386
3	SHAFT COUPLING DET TAILSHAFT & BRG SUPP	022	203-4442387
4	CATHODIC PROTECTION	081	600-4442435
5			

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPD.
			CONTR	USN
		THIS DRAWING DEVELOPED FROM NAVSHIPS DRAWING NO 203-4382636		
		APPROVED BY ABS LTR. FILE REF. TB-2 OF 3-9-72 BY E. SCHOESLFELD.	3-20-72	JMS

GENERAL NOTES

1. FILLET OF KEYWAY SHALL BE IN ACCORDANCE WITH CURRENT ABS RULES.

PARTS LIST

ITEM NO.	QTY REQ.	CODE IDENT	PART NO.	SYMBOL	DESCRIPTION	MAT'L	SPEC NO.	REMARKS	GR	UNIT NO.	MTL'S
15	1				3/4" NPT C'SUNK HEAD PIPE PLUG	BRASS					
14	2				1/2"-13NC EYE BOLT × 2"LG	GALV. STL.					
13	2				1/2"-13NC × 5/8"LG HOLLOW HD SS	SST STL.					
12	1				1-1/2"-6UNC-2A FAIRWATER NUT	SST STL.					
11	1				R 1'-1/2"	STL.		PROPELLER NUT STOPPER			
10											
9	1				1-1/2" DIA BAR						
8	1				1/4" DIA PIN × 4"LG.						
7	1				1-1/2"-6NC HEX JAM NUT						
6	6				3/4"-10NC × 1-1/2"LG CAPSCREW	SST STL.					
5	1				1/2" DIA × 12-5/8"I.D. O'RING	NEOPRENE					
4	1				8"-2-1/4 UNC-2B-PROP NUT	SST STL.					
3	1				O'RING RETAINER R						
2	1				FAIRWATER CONE					203	832
1	1				PROPELLER	SST STL.				203	0500

WEIGHT & CENTER OF GRAVITY BLOCK

WEIGHT GROUP	WEIGHT LBS	VCG ABOVE BL	LCG FWD OF 16 AFT OF 16	TRANSV CG PORT	TRANSV CG STBD
		FT.	FT.	FT.	FT.
203	9630	6.50	44.66	—	—

CONTR. NO. G-0216
MARINETTE MARINE CORP.
MARINETTE WISCONSIN
CONTRACT/PROJ. NO.
020
DRAWN T.W. 2-21-72
CHECKED D.M. 2-21-72
APPROVED M.M.S. 12-26-72

DEPARTMENT OF THE NAVY
NAVAL SHIPS SYSTEM COMMAND
WASHINGTON, D.C.
109 FT. HARBOR TUG-LARGE-YTB
YTB 760 CLASS-6160 SERIES
PROPELLER
FAIRWATER & CAP

SIZE H | CODE I.D. NO. 80084 | NAVSHIPS DRAWING NO. 203-4442389 | REV.
SCALE NONE | SHEET 1 OF 1

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