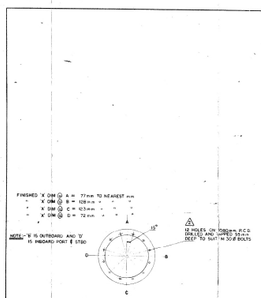
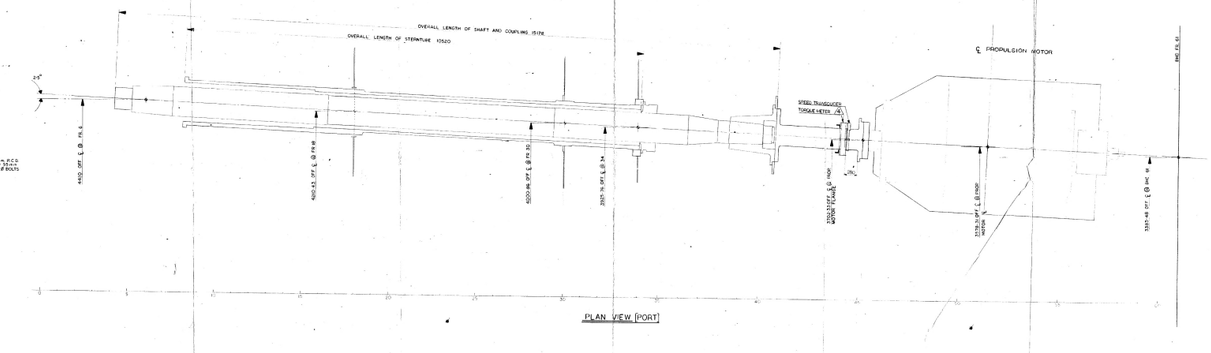
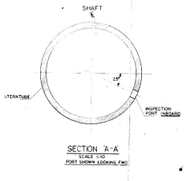


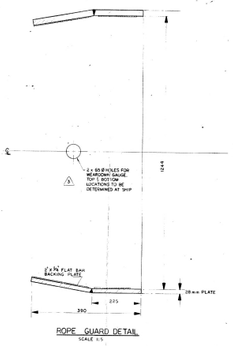
VIEW ON BHD RING FR 34
LOOKING AFT (PORT SHOWN)
SCALE 1:25



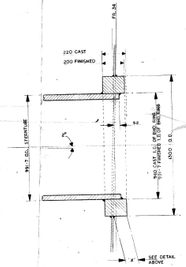
PLAN VIEW (PORT)



SECTION A-A
SCALE 1:10
PORT SHOWN LOOKING FWD

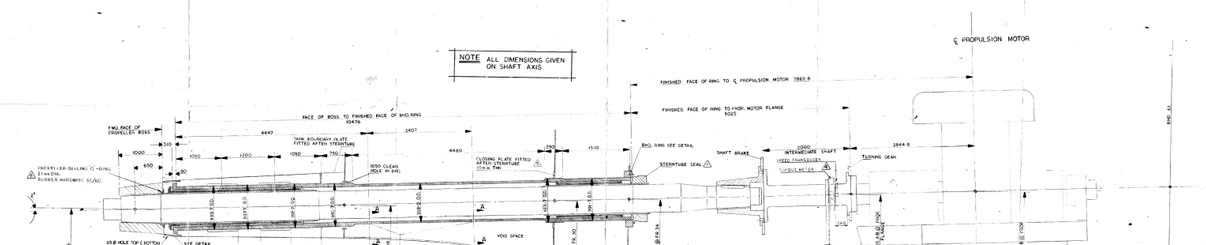


ROPE GUARD DETAIL
SCALE 1:5

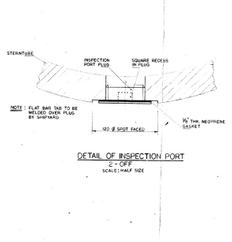


DETAIL OF BHD RING FR 34
MATERIAL CAST STEEL
SCALE 1:10

NOTE ALL DIMENSIONS GIVEN ON SHAFT AXIS



ELEVATION TO PORT



DETAIL OF INSPECTION PORT
SCALE: HALF SIZE

DISTRIBUTION

DEPARTMENT	QTY	DEPARTMENT	QTY	DEPARTMENT	QTY
Owner		Operations Manager		Draughtsman	
Owner's Inspector		Fleet Tech. Supv.	1	Engineer	
Shipyard Inspector		Fleet Tech.	1	Engineer	
CHIEF ENGINEER (Acting)	✓	Power Supv.		Electrician	
		Power Tech.		Electrician	
		Shift Tech.		Machinist Shop	
Asst Chief Engr.	4	FLEET MAINT.	1		
Asst Chief Engr.	4	Cook		Stores Mgr.	
Technical Supt.	4	Mess		Purser Mgr.	
Weekly Engineer		Waiter		Engineer Purser	

No.	REVISION	BY	DATE
1	OWNERS REQUIREMENTS	V.B.-L.	29-DEC-95
2	DRILLING INFORMATION FOR BHD RING ADDED	M.F.	4-FEB-96
3	HOLES FOR WEAKDOWN GAUGE REVISED	WM.	26 SEPT 96
4	TORQUEMETER AND SPEED TRANSDUCER ADDED	P.A.	29 JUL 96
5	CLOSING PLATE AT BHD 32 THICKNESS ADDED	[illegible]	11 NOV 96
6	PROPELLER SEALING O-RING ADDED	P.A.	19 DEC 1996

NOTES

CLASSIFICATION
① LLOYDS REGISTER OF SHIPPING ICE CLASS 1A$.
② CANADIAN ARCTIC SHIPPING POLLUTION PREVENTION REGS. ARCTIC CLASS 4.

TAILSHAFT
MATERIAL FORGED STEEL T.S.T. 41 N/ MATERIAL Nº 1.0437 SEMS: C40 I 10
TENSILE STRENGTH 430-550 N/m.m.²
YIELD POINT 230 N/m.m.²
ELONGATION 22 % ON L = 5.65 √A
⚠ IMPACT STRENGTH 47 J/cm.² @ 0° C (20 JOULES)
AS PER LLOYDS RULES-PART 2 CHAPTER 5

LINERS
MANUAL BRONZE (R.G.-10) CONTINUOUS CAST AS PER LLOYDS RULES-PART 2 CHAPTER 5
BEARING SURFACES BRONZE LINER TO BE HYDROSTATICALLY TESTED TO 2-DIOR BAR.
SHAFT BETWEEN LINERS TO BE PROTECTED WITH "DELOPLEX" COATING APPLIED AS PER MANUFACTURERS RECOMMENDATIONS.

TAILSHAFT COUPLING
MATERIAL FORGED STEEL C.C.EM. MATERIAL Nº 1.0402 IN ACCORDANCE WITH DIN 17200
TENSILE STRENGTH 440-450 N/m.m.²
YIELD POINT 235 N/m.m.²
ELONGATION 22 % ON L = 5.65 √A
AS PER LLOYDS RULES-PART 2 CHAPTER 5

PROPULSION MOTOR
RCMS 401, 1180 R.P.M. MAX.

REFERENCE DWGS (BY AMPOMEX CANADA LTD.)

1	STERNTUBE	DWG. Nº 4947 20
2	TAILSHAFT	DWG. Nº 4947 10
3	INTERMEDIATE SHAFT	DWG. NO 4947 70
4	TAILSHAFT COUPLING	DWG. Nº 4947 11
5	STERNTUBE FWD SEAL	DWG. Nº 4947 22
6	STERNTUBE AFT BUSH	DWG. Nº 4947 24
7	AFT SHAFT SEAL	DWG. Nº 4947 54.3
8	ABAFT AFT END SHAFT	DWG. Nº 4947 54.2
9	SEE TORQUEMETER AND SPEED TRANSDUCER	DWG. Nº 1140-6L2000LM

Supply and Services Canada — Approbation des fournitures et services
DIVISION: VANCOUVER
FILES: 110 — SERIES: 830
OWNERS: CANADIAN COAST GUARD
Approved / Date: [illegible]
DRAWN: IAN G LORIMER — TRACED: MS — APPROVED:

Canadian Coast Guard — Garde côtière canadienne

SHIP'S TYPE: 1200 ICEBREAKER
SHAFTING ARRGT AND DETAILS

DWG SIZE: B1 — SCALE/ECHELLE: 1:25 & AS SHOWN — REV.
CONTRACT DWG. No.: 23-0611 -01

1-10-1-25-3-96 JOB 1140