



LEGEND	
SYMBOL	DESCRIPTION
	SCREW LIFT VALVE OR COCK
	SCREW DOWN NON-RETURN VALVE
	HOSE VALVE
	STRAINER
	PRESSURE GAUGE
	COMPOUND GAUGE
	SOUNDING PIPE
	VENT BALL CHECK VALVE
	TANK CONTENTS GAUGE (REMOTE READING)
	TANK CONTENTS GAUGE (LOCAL READING)
	WASH BASIN
	SHOWER
	W.C.
	RELIEF VALVE
	THERMOMETER
	NO FLOW ALARM
	FLOW INDICATOR

NOTES:

- DOMESTIC F.W. PUMPS DISCHARGE - COLD DOMESTIC F.W. SYSTEM - HOT DOMESTIC F.W. SYSTEM - PIPING TO BE COPPER TYPE M HARD TEMPER WITH COMPRESSION COUPLINGS.
- ALL OTHER PIPING TO BE SEAMLESS STEEL ASTM A-53 GR. A SCH. 40 GALVANIZED TO 5 MILS. AFTER FABRICATION.
- PIPE JOINTS 40" AND ABOVE TO BE FLANGED 150 LB. A.S.A. SMALLER BORE PIPING TO HAVE SCREWED JOINT UNIONS.
- ALL VALVES TO BE BRONZE WITH BRONZE TRIMS.
- VALVES 40" AND ABOVE TO BE FLANGED 150 LB. A.S.A. SMALLER BORE VALVES TO BE SCREWED.
- BRASS DRAIN PLUGS TO BE FITTED AT PIPING LOW POINTS.
- ALL WASHBASINS, SHOWERS, W.C.'S ETC. TO BE FITTED WITH SHUT-OFF VALVES.

LIST OF MACHINERY				
PUMP	No. OFF	CAPACITY	H.P.	R.P.M.
DOMESTIC F.W. PUMP	2	10 M ³ /HR. 3.5 BAR	5	1750
DOMESTIC HOT WATER PUMP	2	7.5 M ³ /HR. 1 BAR	1.5	1750
STERNTUBE S.W. PUMP	2	13.6 M ³ /HR. 3.5 BAR	5	1750
TRANSFER PUMP TO CENTRAL COOLING SYSTEM	1	6.8 M ³ /HR. 1.7 BAR	1	1750

- REFERENCE DRAWINGS:**
- ① No. 65-10-02 'DIAGRAM - BOILER FEED AND BLOWDOWN'
 - ② No. 65-10-03 'DIAGRAM - EVAPORATOR SYSTEM'
 - ③ No. 66-40-01 'DIAGRAM - FIRE AND WABDECK SYSTEMS'
 - ④ No. 67-30-01 'DIAGRAM - AIR AND SOUNDINGS'
 - ⑤ No. 76-50-01 'DIAGRAM - COMPRESSED AIR SYSTEM'
 - ⑥ No. 65-10-01 'DIAGRAM - STEAM & CONDENSATE: SHT 1 OF 2'
 - ⑦ No. 71-10-01 'DIAGRAM - CENTRAL COOLING'
 - ⑧ No. 65-10-03 'DIAGRAM - FRESH WATER GENERATORS'
 - ⑨ No. 65-50-01 'DIAGRAM - SEWAGE & GREY WATER'

Burard Yarrows Corporation
SHIPBUILDERS
SHIP REPAIRERS
GENERAL ENGINEERS

Vancouver Division
700 Burrard Street, North Vancouver, British Columbia, Canada V7L 1A8
Victoria Division
1000 Douglas Street, Victoria, British Columbia, Canada V8W 2P9

DIVISION VANCOUVER

HULL 1.03

OWNERS CANADIAN COAST GUARD

TITLE DIAGRAM: DOMESTIC AND SANITARY FRESH WATER SYSTEMS

APPROVAL	REPRESENTATIVE	DATE	CHECKED	DATE
OWNER		1-02-84	CHECKED	
DESIGN		19-03-84	APPROVED	
CONSTR.		22-02-84	SCALE, N.T.S.	DATE 25 NOV. '83
ILLUSTR.		27-02-84	DWG. No. 65-30-01	

DISTRIBUTION			
DEPARTMENT	QTY.	DEPARTMENT	QTY.
Owner		Operations Manager	
Classification		New - Const. Supt.	
Steaming Inspection		Deck Dept.	
		Boat Dept.	
		San. Dept.	
		Mech. Dept.	
Hull D.O.		Log	
Machinery D.O.		Sheet Metal	
Electrical D.O.		Electric Shop	
Welding Engineer		Engine Room	

No.	REVISION	BY	DATE
1	ADDED - ISOLATING VALVE AT CARBON DECHLORINATOR - WASH BASIN, SHOWER, AND W.C. ON MAIN DECK-STARBOARD - WASHING MACHINE ON BOAT DECK-STARBOARD - WASH BASIN ON BRIDGE DECK-STARBOARD WASH BASIN ON BOAT DECK STARBOARD DELETED TANK CAPACITIES ADDED AND REVISED TYPICAL W.C. ARGOT REVISED TO SHOW STEEL SEAT INSTEAD OF WOOD HYPOCHLORINATOR REARRANGED STEAMING OUT CONNECTION ADDED TO CARBON DECHLORINATOR REFERENCE No 6 ADDED	ERIC	16.4.84
2	CENTRAL COOLING F.W. EXPANSION TANK FILLING LINE DELETED FROM DOM F.W. SYSTEM, AND ADDED TO BOILER FEED SYSTEM C/W HAND PUMP REFERENCE No 7 AND 8 ADDED CONNECTION ADDED FOR F.W. GENERATOR PRIMING FROM F.W. EXPANSION TANK FILLING LINE	ERIC	25 APRIL 1984
3	ELEC. PUMP TO CENTRAL COOLING F.W. EXPANSION TANK ADDED, HYPOCHLORINATOR AND CARBON DECHLORINATOR REMOVED LINES FROM F.W. GEN. AND DOM F.W. PUMP AND TO BOILER FEED TANK ADDED, ULTRA VIOLET STERILISER UNITS ADDED. NO FLOW ALARM AND MICRON FILTERS ADDED	KING	24 JULY 1984
4	HOT WATER RECIRC. MODIFIED	KING	AUG. 1 1984
5	EMERGENCY CROSSOVER DELETED	S. McC	AUG 1984
6	EMERG. STERNTUBE LUB. NOW PIPED INSTEAD OF HOSE CONN. CARBON FILTER ADDED	C.P.	DEC. 11/84
7	ON LINE FROM FIREMAIN CONSTANT PRESSURE PUMP - SDR. CHANGED TO BUTTERFLY VALVE - 20" BRANCH, ADDED	NEC	19 FEB 85
8	LINE FROM AFT SEA CHEST WAS 50" S.L. GLOBE VALVES TO F.W. & S.W. PUMPS CHANGED TO BUTTERFLY	C.P.	MAR. 12/85
9	SEPARATE INLET & OUTLET CONN. ON DOM. F.W. PRESS. TANK	C.P.	MAR 21/85
10	SIGHT GLASS DELETED FROM F.W. TANKS & BOILER FEED TANK STANDBY COOLING - ADDED FOR REFRIG. UNITS	C.P.	JUNE 4/85
11	ICEMAKER ADDED ON MAIN DECK AND BOAT DECK	C.P.	AUG. 1/85
12	CONN. TO SEWAGE COMPT ADDED	A.M.C.	20/85
13	SDNR VALVE WAS S.L. VALVE BEFORE CROSSOVER CONN.	C.P.	SEPT. 9/85
14	HOT F.W. TO SEWAGE WASH TK. ADDED	C.P.	SEPT. 26/85
15	F.W. TO SUB-BILGE PUMP ADDED	C.P.	SEPT. 26/85
16	F.W. TO TREATMENT TANK ADDED, BYPASS VALVE ADDED IN STANDBY REFRIG. COOLING, ALSO PRESSURE GAUGE	C.P.	NOV. 21/85
17	5 MICRON FILTER DELETED	J.H.	FEB. 25/86
18	100 MICRON DUPLEX FILTER WAS SIMPLEX	C.P.	FEB. 26/86
19	AS FITTED	C.P.	FEB. 26/86
20	NEW FILTER INSTALLED WITH BY-PASS SHORE WATER SUPPLY LINE TO SPOT VIB. SOLES FEED TK. LINE ADDED	D.S.	JAN. 30/86
21	AS FITTED (APPROVED B.S.N. 42-02-31)	R.C.	JUL. 9/86
22	ISOLATING VALVES ADDED TO F.W. DISTILLER FILLING LINE AND TO SPOT VIB. SOLES FEED TK. LINE	D.S.	JULY 25/86
23	EMERGENCY Suction Pump Unit Added	D.C.	DEC. 28/86

Rev. No.	Revisions	Date
App'd/ App'n		
Date		

Contractor
Entrepreneur

BURARD YARROWS CORPORATION.

Canadian Coast Guard **Garde cōtière canadienne**

Vessel Name: TYPE 1100 NAVALIS TENDER/EIGHT ICEBREAKER

Dr. Title: **MARTHA L. BLACK**

DIAGRAM:

DOMESTIC AND SANITARY FRESH WATER SYSTEMS

Date: 25 NOV. 83 Scale/Echelle: N.T.S.

Contractor Drg. No. 65-30-01

Entrepreneur Drg. No. 65-30-01