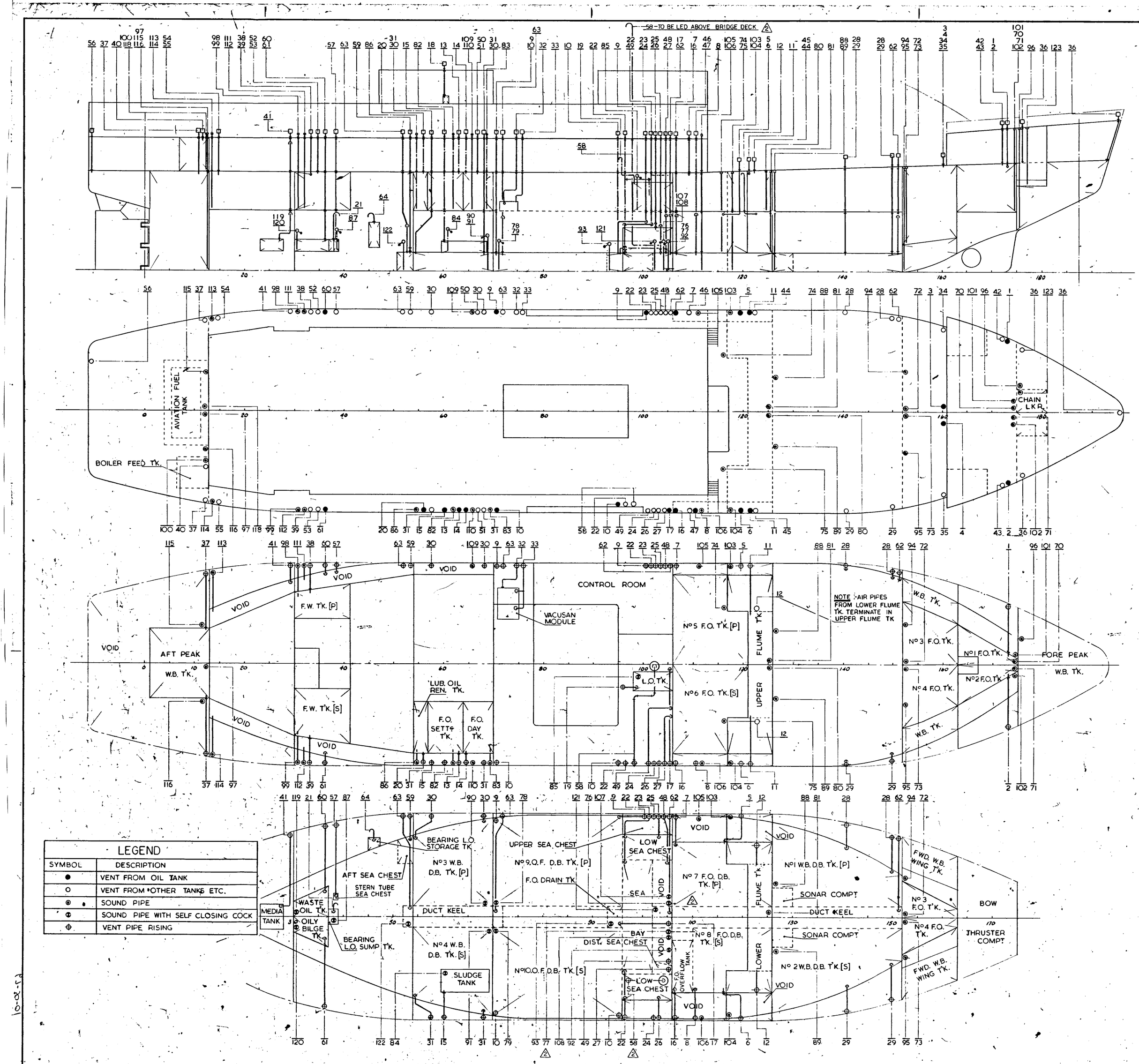


## LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| ● | VENT FROM OIL TANK |
| ○ | VENT FROM OTHER TANKS ETC. |
| ⊛ | SOUND PIPE |
| ⊕ | SOUND PIPE WITH SELF CLOSING COCK |
| ⊕ | VENT PIPE RISING |

## LIST OF VENTS

| Nº | TANK OR COMPT. | DIA. | TYPE | Nº OFF |
|---|---|---|---|---|
| 1 | F.O. TK. Nº1 | 100 | A | 1 |
| 2 | F.O. TK. Nº2 | 100 | A | 1 |
| 3 | F.O. TK. Nº3 | 100 | A | 1 |
| 4 | F.O. TK. Nº4 | 100 | A | 1 |
| 5 | F.O. TK. Nº5 | 100 | A | 1 |
| 6 | F.O. TK. Nº6 | 100 | A | 1 |
| 7 | F.O. TK. Nº7 | 100 | A | 1 |
| 8 | F.O. TK. Nº8 | 100 | A | 1 |
| 9 | F.O. TK. Nº9 | 75 | A | 2 |
| 10 | F.O. TK. Nº10 | 75 | A | 2 |
| 11 | UPPER FLUME TK. | 100 | A & E | 2 |
| 12 | LOWER FLUME TK. | 100 | | 2 |
| 13 | F.O. SETTLING TK. | 100 | A | 1 |
| 14 | F.O. DAY TK. | 100 | A | 1 |
| 15 | SLUDGE TK | 65 | A | 1 |
| 16 | F.O. OVERF-OW TK. | 125 | A | 1 |
| 17 | F.O. DRAIN TK. | 75 | A | 1 |
| 18 | EMERGENCY GEN. F.O. TK. | 50 | A | 1 |
| 19 | L.O. STORAGE TK. | 65 | D | 1 |
| 20 | L.O. RENOVATING TK. | 50 | A | 1 |
| 21 | BEARING L.O. SUMP TK. | 50 | D | 1 |
| 22 | SEABAY | 150 | D | 2 |
| 23 | HIGH SEA CHEST P | 75 | D | 1 |
| 24 | HIGH SEA CHEST S | 75 | D | 1 |
| 25 | LOW SEA CHEST P | 75 | D | 1 |
| 26 | LOW SEA CHEST S | 75 | D | 1 |
| 27 | DISTILLER SEA CHEST | 65 | D | 1 |
| 28 | Nº1 W.B.D.B. TK. P | 100 | C | 2 |
| 29 | Nº2 W.B.D.B. TK S | 100 | C | 2 |
| 30 | Nº3 W.B.D.B. TK. P | 100 | C | 2 |
| 31 | Nº4 W.B.D.B. TK. S | 100 | C | 2 |
| 32 | SEWAGE TRANSFER TK. | 75 | A | 1 |
| 33 | VACUSAN SERVICE TANKS | 50 | A | 1 |
| 34 | FWD. W.B. WING TK P | 125 | C | 1 |
| 35 | FWD. W.B. WING TK. S | 125 | C | 1 |
| 36 | FORE PEAK TK. | 80 | C | 3 |
| 37 | AFT PEAK TK. | 100 | C | 2 |
| 38 | FRESH WATER TK. P | 65 | K | 1 |
| 39 | FRESH WATER TK. S | 65 | K | 1 |
| 40 | BOILER FEED TK. | 65 | C | 1 |
| 41 | MEDIA TK. | 150 | A | 1 |
| 42 | VOID FR. 162-175 P | 125 | A | 1 |
| 43 | VOID FR. 162-175 S | 125 | A | 1 |
| 44 | VOID FR. 116-126 P | 65 | A | 1 |
| 45 | VOID FR. 116-126 S | 65 | A | 1 |
| 46 | VOID FR. 106-116 P | 65 | A | 1 |
| 47 | VOID FR. 106-116 S | 65 | A | 1 |
| 48 | VOID FR. 102-106 P | 65 | A | 1 |
| 49 | VOID FR. 102-106 S | 65 | A | 1 |
| 50 | VOID FR. 54-70 P | 65 | C | 1 |
| 51 | VOID FR. 54-70 S | 65 | A | 1 |
| 52 | VOID FR. 30-54 P | 65 | C | 1 |
| 53 | VOID FR. 30-54 S | 65 | C | 1 |
| 54 | VOID FR. 13-30 P | 65 | C | 1 |
| 55 | VOID FR. 13-30 S | 65 | C | 1 |
| 56 | AFT VOID SPACE | 100 | C | 1 |
| 57 | SEA CHEST STERN TUBE LUB | 50 | D | 1 |
| 58 | FWD DRAINS AIR EJECTORS | 50 | D | 1 |
| 59 | AFT SEA CHEST | 65 | D | 1 |
| 60 | WASTE OIL TK. | 75 | A | 1 |
| 61 | OILY BILGE TK | 125 | A | 1 |
| 62 | FWD DUCT KEEL | 100 | A | 2 |
| 63 | AFT DUCT KEEL | 75 | A | 2 |
| 64 | BEARING L.O. STORAGE TK | 50 | D | 1 |

## LIST OF SOUND PIPES

| Nº | TANK OR COMPT. | STYLE | ACCESS |
|---|---|---|---|
| 70 | F.O. TK. Nº1 | F | F'O'CSLE |
| 71 | F.O. TK. Nº2 | F. | F'O'CSLE |
| 72 | F.O. TK. Nº3 | F | MAIN DK |
| 73 | F.O. TK. Nº4 | F | MAIN DK |
| 74 | F.O. TK. Nº5 | F | MAIN DK |
| 75 | F.O. TK. Nº6 | F | MAIN DK |
| 76 | F.O. TK. Nº7 | H | T/TOP |
| 77 | F.O. TK. Nº8 | H | T/TOP |
| 78 | F.O. TK. Nº9 | H | T/TOP |
| 79 | F.O. TK. Nº10 | H | T/TOP |
| 80 | UPPER FLUME TK. | F | MAIN DK |
| 81 | LOWER FLUME TK. | F | MAIN DK |
| 82 | F.O. SETTLING TK. | G | UPPER |
| 83 | F.O. DAY TK. | G | UPPER |
| 84 | SLUDGE TK. | H | T/TOP |
| 85 | L.O. STORAGE TK. | H | E.R. FLAT |
| 86 | L.O. RENOVATING TK. | G | UPPER |
| 87 | BEARING L.O. SUMP TK. | H | T/TOP |
| 88 | Nº1 W.B.D.B. TK. P | F | MAIN DK |
| 89 | Nº2 W.B.D.B. TK. S | F | MAIN DK |
| 90 | Nº3 W.B.D.B. TK. P | H | T/TOP |
| 91 | Nº4 W.B.D.B. TK. S | H | T/TOP |
| 92 | F.O. OVERFLOW TK. | H | T/TOP |
| 93 | F.O. DRAIN TK. | H | T/TOP |
| 94 | FWD. W.B. WING TK. P | F | MAIN DK |
| 95 | FWD. W.B. WING TK. S | F | MAIN DK |
| 96 | FORE PEAK TK. | F | F'O'CSLE |
| 97 | AFT. PEAK TK. | G | UPPER |
| 98 | F.W. TK. P | G | UPPER |
| 99 | F.W. TK. S | G | UPPER |
| 100 | BOILER FEED TK. | G | UPPER |
| 101 | VOID FR. 162-175 P | F | F'O'CSLE |
| 102 | VOID FR. 162-175 S | F | F'O'CSLE |
| 103 | VOID FR. 116-126 P | F | MAIN DK |
| 104 | VOID FR. 116-126 S | F | MAIN DK |
| 105 | VOID FR. 106-116 P | F | MAIN DK |
| 106 | VOID FR. 106-116 S | F | MAIN DK |
| 107 | VOID FR. 102-106 P | H | T/TOP |
| 108 | VOID FR. 102-106 S | H | T/TOP |
| 109 | VOID FR. 54-70 P | G | UPPER |
| 110 | VOID FR. 54-70 S | G | UPPER |
| 111 | VOID FR. 30-54 P | G | UPPER |
| 112 | VOID FR. 30-54 S | G | UPPER |
| 113 | VOID FR. 13-30 P | G | UPPER |
| 114 | VOID FR. 13-30 S | G | UPPER |
| 115 | AFT VOID P | G | UPPER |
| 116 | AFT VOID S | G | UPPER |
| 117 | | | |
| 118 | AVIATION F.O. TK. C/DAM | G | UPPER |
| 119 | WASTE OIL TK. | H | T/TOP |
| 120 | OILY BILGE TK. | H | T/TOP |
| 121 | DUCT KEEL FWD. | H | T/TOP |
| 122 | DUCT KEEL AFT. | H | T/TOP |
| 123 | CHAIN LOCKER P | F | F'O'CSLE |

## NOTES

VENTS FOR OIL TKS. AND COFFERDAMS ADJACENT TO OIL TKS. TO BE FITTED WITH DOUBLE SCREENS REMOVABLE FOR CLEANING, INNER SCREEN TO BE 30X30 WIRE MESH. OUTER SCREEN TO BE FITTED 12 MM. FROM INNER SCREEN AND TO HAVE 6 MM SQUARE OPENINGS. VENTS TO BE AUTOMATIC CLOSING.

4 VENTS FOR POTABLE WATER TANKS TO BE LED TO AN EXPOSED DECK TERMINALS TO HAVE DOUBLE SCREENS REMOVABLE FOR CLEANING, INNERSCREEN TO HAVE 0·8 MM SQUARE OPENING OUTER SCREEN TO BE FITTED 12 MM. FROM INNERSCREEN WITH 6 MM. SQUARE OPENINGS.

ALL VENT TERMINAL SCREENS TO BE OF NON CORROSIVE WIRE

ALL PIPING TO BE E.R.W. STEEL ASTM A 53 GRADE A SCH 40. FUEL OIL ETC. TO BE LEFT BLACK, FRESH WATER, WATER BALLAST & SEA WATER PIPING TO BE SCH 80 BLACK OR SCH. 40 GALVANISED

3 ALL SOUNDING PIPES TO BE 50 MM. DIA. WITH 25 MM. STRIKING PLATES CURVATURE OR SLOPING SOUNDING PIPES TO BE AVOIDED WHEREVER POSSIBLE, WHERE NECESSARY A CURVATURE OF 6 METRES MINIMUM RADIUS TO BE USED. SOUNDING PIPES TERMINATING ON OR ABOVE MAIN DECK SHALL IN GENERAL TERMINATE 900 MM. ABOVE MAIN DECK AND BE FITTED WITH SCREWED BRONZE CAP. SOUNDING PIPES TERMINATING BELOW THE MAIN DECK TO BE FITTED WITH SELF-CLOSING COCKS.
VENT PIPES ON F'O'CSLE & MAIN DECK TO BE 760 MM. ABOVE DECK, VENT PIPES ON UPPER DECK TO BE 450 M.M. ABOVE DECK.
SEA CHEST VENTS TO BE FITTED WITH BUTTERFLY SHUT OFF VALVES OF CAST STEEL SEABAY VENTS TO BE FITTED WITH BUTTERFLY SHUT OFF VALVES OF DUCTILE IRON

4 VENT PIPES

TYPE A:- WINEL TK. CHECK V/V WITH FLAME SCREEN & FLOAT BALL

TYPE C:- WINEL TK. CHECK V/V STD. SCREEN

TYPE D:- GOOSENECK

TYPE E:- YORK DEMISTER

TYPE K:- WINEL TK. CHECK V/V WITH 0·8 mm² OPENINGS

SOUND PIPES

TYPE F:- FLUSH DECKPLATE

TYPE G:- BRONZE CAP

TYPE H:- SELF CLOSING COCK

Burrard Yarrows Corporation — SHIPBUILDERS, SHIP REPAIRERS, GENERAL ENGINEERS. Vancouver Division P.O. Box 86098, North Vancouver, British Columbia, Canada V7L 4J8. Victoria Division P.O. Box 1030, Victoria, British Columbia, V8W 2S9

| DIVISION | HULL 1-08 | JOB No. 67-30 |
|---|---|---|
| VANCOUVER | OWNERS CANADIAN COAST GUARD | |

TITLE

# DIAGRAM AIR & SOUNDINGS

| APPROVALS | REPRESENTS | DATE | |
|---|---|---|---|
| D.S.S. LOCAL | P.R | 31-1-84 | DRAWN IAN G. LORIMER |
| | | | CHECKED |
| LLOYDS | | 25-3-84 | APPROVED |
| OWNER | | 19-3-84 | SCALE N.T.S. DATE 14 NOV. '83 |
| | | | DWG. No. 67-30-01 REV. 6 |

| DISTRIBUTION | | | | | |
|---|---|---|---|---|---|
| DEPARTMENT | QTY. | DEPARTMENT | QTY. | DEPARTMENT | QTY. |
| Owners | | Operations Manager | | Shipwrights | |
| Classification | | New - Const. Supt. | 1 | Rigger | |
| Internal Inspection | | Outfit Supt. | | Painter | |
| DSS - OTTAWA | | Repair Supt. | | Pipe Fitter | 3 |
| DSS - ON SITE | 1 | Steel Supt. | 1 | Machine Shop | 2 |
| | | PLANNING | 2 | | |
| Hull D.O. | 1 | MODEL MAKER | 2 | VIC. DIV | 1 TR |
| Machinery D.O. | | Loft | 1 | Sheet Metal | |
| Electrical D.O. | 1 | Fitter | | Electric Shop | |
| Welding Engineer | | Welder | | Engine Fitter | 2 |

| No. | REVISION | BY | DATE |
|---|---|---|---|
| 1 | AIR PIPE TO STERN TUBE SEA CHEST ADDED, AFT DUCT KEEL SOUND MOVED TO AFT END. | I.G.L. | 24 TH FEB. 84 |
| 2 | SOUND PIPES 77 & 92 REVISED. FWD DRAINS TANK DELETED AIR EJECTORS ADDED AND VENT 58 REVISED TO SUIT VOIDS FR 106-116 EXTENDED TO MAIN DECK VENTS 105 AND 106 REVISED TO SUIT ELEVATION CORRECTED TO SUIT PLAN VIEWS VENT 62 INCREASED FROM 75 TO 100 mm ø | PHIL / ERIC | 20 MA 1984 / 9 AP 1984 |
| 3 | VENT 22 WAS 75ø SOUND PIPE 77 WAS STYLE 'H' ACCESS AT UPPER DECK. NOTE REVISED | PHIL | 16-5-84 |
| 4 | VENT Nº 40 B BECOMES C VENT Nº 61 75 BECOMES 125 mm LOWER FLUME TK. VENTS TERMINATE IN UPPER FLUME TK. NOTES REVISED | I.G.L. | 12 TH JUNE 84 |
| 5 | DIA. OF Nº 42 & 43 CHANGED TO 125 FR. 65 | KING | 25-7-84 |
| 6 | AS FITTED | CP | MAR 3/86 |

| Rev. No. | Révisions | Date |
|---|---|---|
| App'd/App'n | | |
| Date | | |

Contractor Entrepreneur: BURRARD YARROWS CORP.

Canadian Coast Guard — Garde côtière canadienne

Vessel Navire

Org. Title Desig. titre: DIAGRAM AIR & SOUNDINGS

Date: 14·11·83 | Scale/Échelle: N.T.S. | Rev.

Contractor Drg. No. Entrepreneur dess. Nº 67-30-01