DESIGN C4-5-85

CARGO VESSEL - TURBINE

STOWAGE AND CAPACITY BOOKLET

U.S. MARITIME COMMISSION

BRUCE ENGINEERING CO. 55 VANDAM ST. NEW YORK, 13, N.Y.

ARE NOT RELEASED AS PERTINENT

LEGEND Nº TITLE I WHEEL HOUSE 2 CHART ROOM 3 CAPTAIN'S STATEROOM 4 TOILET & SHOWER 5 CAPTAIN'S OFFICE 6 LOBBY 7 CHIEF RADIO OPERATOR 8 ELECT. CONTROL ROOM 9 RADIO ROOM 10 FAN ROOM 11 EMERG. GENERATOR RM. 12 BATTERY ROOM 14 CLIPPING ROOM 13 LOCKER 15 ESCAPE TRUNK 16 AMMUNITION TRUNK 17 IST OFFICER 18 2 GUNNERY OFFICERS 19 LINEN LOCKER 20 2ND OFFICER 21 3RD OFFICER 22 ENGR OFFICERS LOUNGE 23 4 GUNNERS 24 CHIEF ENGR OFFICE 25 SLOP CHEST 26 CHIEF ENGR STATEROOM 27 2ND ASSIST. ENGINEER 28 IST ASSIST. ENGINEER 29 JR 3RD ASSIST. ENGINEER 30 3RD ASSIST. ENGINEER 31 GUNNERS ARMORY 32 BOSN'S STORES 33 RESISTOR ROOM 34 CHAIN LOCKER 35 ELECTRIC STATION 36 17 GUNNERS 37 BATH 38 GYRO ROOM 39 GUNNERS & OFFICERS SHOWER 40 GUNNERS'R OFFICERS' TOILET 41 SLOP SINK 42 1 ASSIST. RADIO OPERATORS 43 HOSPITAL 44 DECK GEAR LOCKER 45 DECK LOCKER 46 JR 3RP OFFICER 47 FAN & DAMPER ROOM 48 2 DECK CADETS 49 OFFICERS MESS ROOM 50 CHIEF STEWARD 51 2 ELECTRICIANS 53 1 CLERK TYPIST 54 BOSN. & CARPENTER 55 P.O. TOILET 56 OFFICERS PANTRY 57 3 ENGINE CADETS 58 3 COOKS 59 P.O. SHOWER GO P.O. MESS 61 4 MESSMEN 62 STEWARDS DEPT. SHOWER 63 STEWARDS DEPT. TOILET 64 CREWS & P.O. PANTRY 65 CREW'S MESS ROOM 66 4 UTILITY MEN 69 GUNNERS MESS ROOM 67 STEWARDS STORES 68 GALLEY 70 MEATS 71 GUNNERS PANTRY 72 DAIRY 73 HANDLING ROOM 74 DRY STORES 75 VEGETABLES 76 LAUNDRY & DRYING RM. 77 GUNNERS STOREROOM 78 LAMP ROOM 79 PAINT ROOM 80 CAPSTAN RESISTOR R'M. 81 ELECTRICAL SHOP 87 CARPENTER SHOP 83 CORDAGE SPACE 84 DEHUMIDIFYING SYS. MACH.RM. 8 5 3 SPARES 8 6 FIRE EXTING. SYS. ROOM 8 7 3 ENGR MAINTENANCE MEN 88 3 DECK MAINTENANCE MEN 89 STOREROOM 90 SOILED LINEN LOCKER 91 CLEANING GEAR LOCKER 92 3 SEAMEN 93 3 OILERS 94 3 FIREMEN 95 3 WIPERS 96 DECK DEPT. TOILETS 97 ENGR. DEPT. TOILETS 98 DECK DEPT SHOWERS 99 ENGR. DEPT. SHOWERS 10.0 STEERING GEAR ROOM 10.1 REEFER MACHINERY 10.2 ENGR. STOREROOM 103 ENGR. WORKSHOP 104 PAINT LOCKER 105 AMMUNITION ROOM B.W. BOAT WINCH C. CAPSTAN D.W. DRAIN WELL C.W. CARGO WINCH H HATCH C.D. COFFERDAM A.W. ANCHORWINCH M MAST M.H. MANHOLE K.P. KINGPOST P.T. PIPE TUNNEL

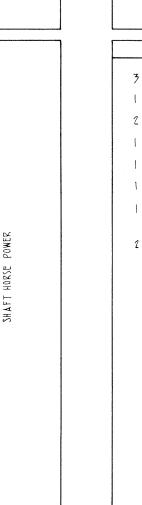
WINCHES 16-SINGLE SPEED, W/WINCH HEAD, 50 H.P. MOTORS 4-TWO SPEED, W/WINCH HEAD, 50 H.P. MOTORS 4-TWO SPEED, WO/WINCH HEAD, 70 H.P. MOTORS

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PRINCIPAL DIMENSIONS

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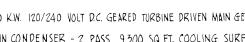


MAIN ENGINE THE MAIN PROPELLING UNIT CONSISTS OF A CROSS COMPOUND DOUBLE REDUCTION GEARED TURBINE DEVELOPING 9000 SHAFT HORSEPOWER AT ABOUT 85 REVOLUTIONS PER MINUTE.

BOILERS

TWO MAIN BOILERS OF THE SECTIONAL HEADER STRAIGHT TUBE TYPE FITTED WITH SUPERHEATERS AND AIR HEATER. WORKING PRESSURE

450 LBS./psi. STEAM TEMPERATURE SUPERHEATER OUTLET 750°F. HEATING SURFACE PER BOILER 5128 SQ. FT.

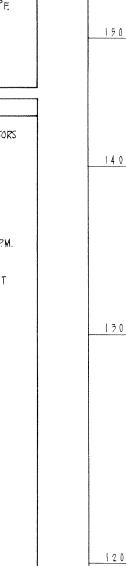


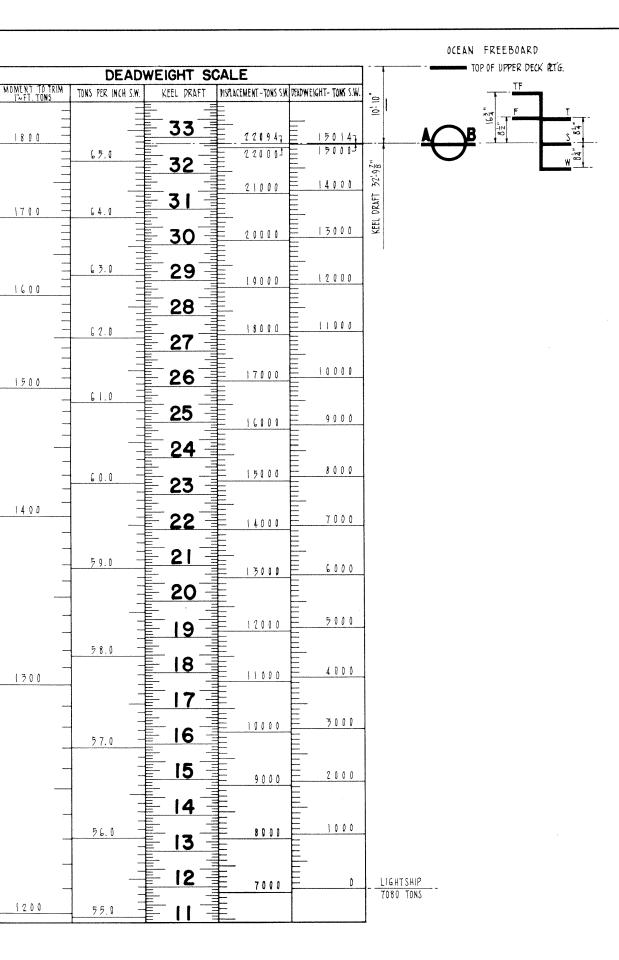
AUXILIARIES

- 3 300 K.W. 120/240 VOLT D.C. GEARED TURBINE DRIVEN MAIN GENERATORS I - MAIN CONDENSER - 2 PASS 9,300 SQ.FT. COOLING SURFACE
- 2 MAIN FEED PUMPS, TURBINE DRIVEN CAPACITY 200 G.P.M. I - PORT FEED PUMP, STEAM DRIVEN - CAPACITY 150 G.P.M.
- 1 FUEL OIL SERVICE PUMP, MOTOR DRIVEN CAPACITY 22 G.P.M. I - FUEL OIL SERVICE STANDBY PUMP, STEAM DRIVEN - CAPACITY 15 G.P.M.
- 1 SHIP SERVICE REFRIGERATING SYSTEM TOTAL APPROXIMATE REFRIGERATION 3432 CUBIC FEET 2 - EVAPORATING PLANTS AS FOLLOWS:

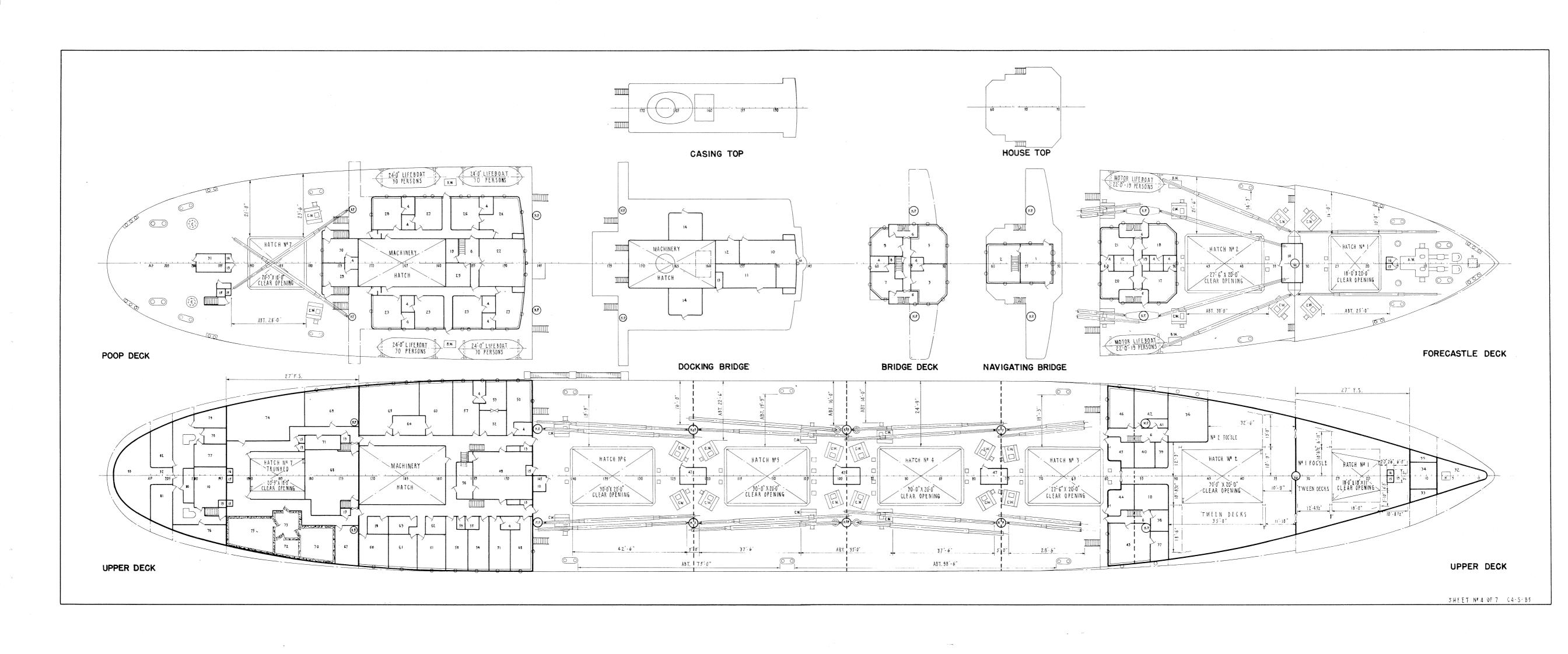
MAKE-UP FEED - CAPACITY 1500 LBS PER HOUR

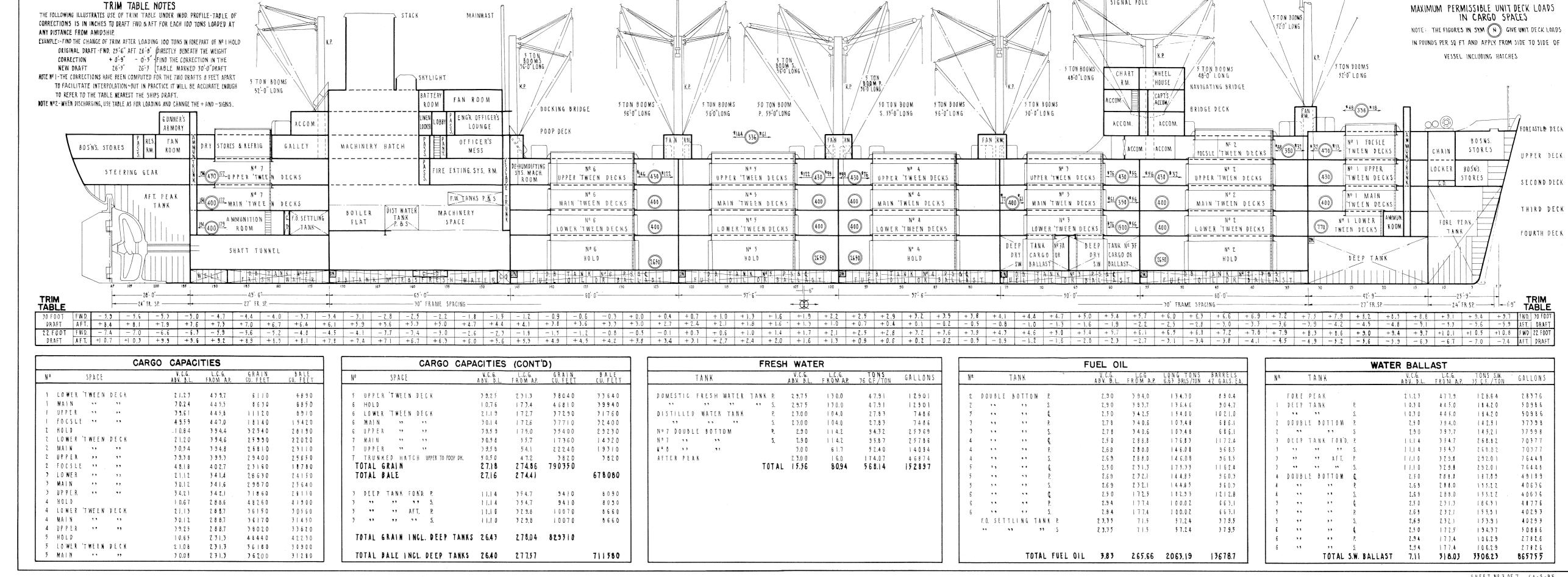
SALT WATER - CAPACITY 30 TONS PER DAY





SHEET Nº 2 OF 7 C4-S-85





SIGNAL POLE

