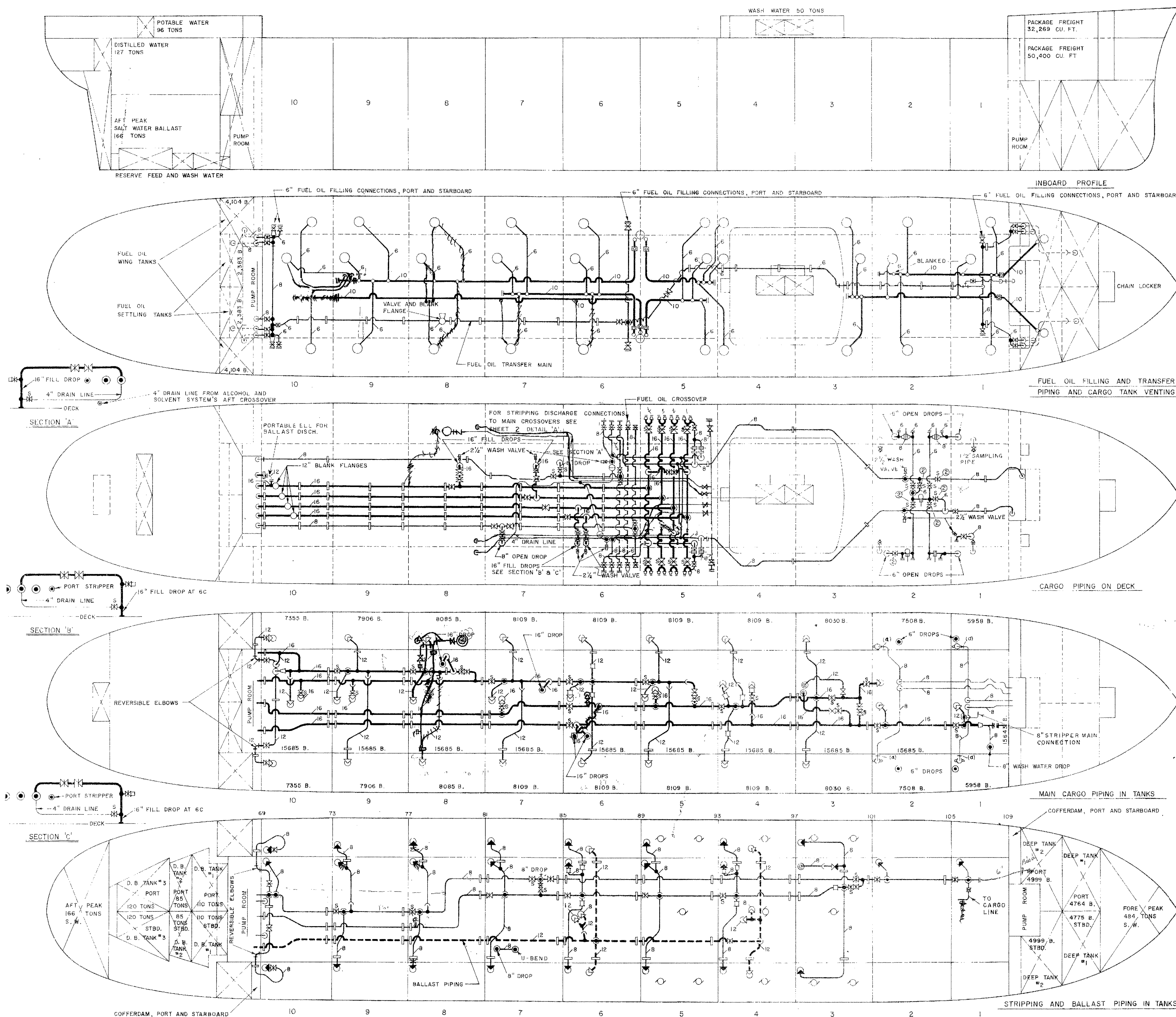


ESSO GETTYSBURG

38,800 DWT, ESSO GETTYSBURG CLASS

NEWPORT NEWS HULL No. 519



NOTES

ALL STRIPPING SYSTEM SUCTION VALVES IN CARGO TANKS ARE STOP-CHECK-LIFT TYPE. CAPACITIES GIVEN IN BARRELS ARE AT 98% FULL, THOSE IN TONS (2240 LBS.) ARE AT 100% FULL.

TEST PRESSURE—CARGO SYSTEM—225 PSIG—FUEL OIL SYSTEM—200 PSIG.

VALVE BODY MATERIAL—CARGO SYSTEM IN TANKS AND ON DECK—MODULAR CAST IRON, BALLAST SYSTEM—CAST IRON, FUEL OIL SYSTEM ON DECK—CAST STEEL.

WASH VALVES—BRONZE, LINE BLINDS—STEEL.

SHAND & SONS MODEL ST 10000 TANK LEVEL GAUGES ARE INSTALLED IN ALL CARGO TANKS. WEIGHTED ULLAGE COVERS SET AT 2 PSIG ARE FITTED TO ALL TANK TOPS. PRESSURE/VACUUM VALVES ARE 6" MECH. MARINE FIG. 130 SET AT 2.0 PSIG. PRESSURE AND 0.5 PSIG VACUUM VENT HEADERS HAVE 8" MECH. MARINE FIG. 120 SPILL VALVES SET AT 1.0 PSIG. FLAME ARRESTERS ARE 10" JOHNSON & JENNINGS TYPE F-21B.

ALL FITTINGS, WELDED OR CAST, ARE OF STEEL. GASKET MATERIAL—HYDROLIC 1/16" THICK.

THE ALCOHOL PIPING SYSTEM FOR THE NO. 1 & 2 WING TANKS IS FITTED THROUGHOUT WITH TEFLO-ASBE US GASKETS AND PACKING AND SOLID TEFLO VALVE AND BLIND SEATS. DRESSER COUPLINGS HAVE ARMORED STYLE 42 GASKETS. PIPING AND PUMPS HAVE VALVED DRAINS FOR COMPLETE DRAINING OF ALL PARTS.

SEALING ARRANGEMENTS AND SPECIAL ULLAGE TABLES SATISFY THE FEDERAL REQUIREMENTS FOR HANDLING ETHANOL. SPECIAL 1/2" IPS SAMPLING PIPES ARE EXTENDED 20" DOWN INTO THE NO. 1 & 2 WING TANKS.

A COPPUS TYPE ST 300 TURBINE DRIVEN BLOWER IN THE FORECASTLE EXHAUSTS THE FORWARD PUMP ROOM BILGE.

ALL OF THE CARGO TANKS ARE FULLY COATED WITH AN INORGANIC ZINC COATING.

HEATING COILS HAVE BEEN OR WILL BE REMOVED FROM ALL CARGO TANKS.

① CAST IRON VALVE

② DUCTILE IRON VALVE

PORTABLE HEATING COILS, 34 FT. OF 1-1/2" STEEL PIPE ARE INSTALLED AROUND THE TANK SUCTIONS IN EACH OF THE NO. 1 & NO. 2 DEEP TANKS, P. 8.

A DRY POWDER (140 LB) PORTABLE FIRE EXTINGUISHER IS LOCATED AMIDSHIPS FOR ALCOHOL FIRES.

(4) TO BE USED FOR PRESSURE TESTING THE PIPELINES.

SYMBOLS

- ⊗ GLOBE VALVE
- ⊘ ANGLE VALVE
- ⊕ STOP LIFT CHECK VALVE
- ⊖ GATE VALVE
- ⊗ STOP CHECK VALVE
- ⊕ ANGLE STOP CHECK VALVE
- ⊖ RELIEF VALVE
- ⊗ PLATE STRAINER
- ⊕ SPOOL PIECE
- ⊖ REDUCER
- ⊗ 3 BOLT HAMER BLIND
- ⊕ VISIBLE WEDGE HAMER BLIND
- ⊖ SUCTION BELL MOUTH
- ⊗ PIPES JOINING
- ⊕ PIPES CROSSING
- ⊖ PIPES TURNING DOWN
- ⊗ PIPES TURNING UP
- ⊕ BLANK FLANGE
- ⊖ SOFT SEAT VALVE
- ⊗ SPECTACLE PLATE
- ⊕ PLUG COCK
- ⊖ WASH VALVE
- ⊗ DRESSER COUPLING
- ⊕ FLANGED JOINT
- ⊖ HAMER BLIND VALVE
- ⊗ BUTTERWORTH MACHINE
- ⊕ "VACUUM CLEANER" TYPE BELL MOUTH
- ⊖ VENT HEADER SPILL VALVE

NOTE: ALL SECTIONAL VIEWS SHOWN WERE TAKEN FACING FORWARD.

ESSO GETTYSBURG

DRAWN: W. M. W. DATE: FEB. 18, 1964
CHECKED: J. B. M. REV. 5/25/64