

MIDSHIP SECTION

S.S. JALAGANGA.

SCALE 1/2" = 1 FOOT.

DIMENSIONS: 400'-0" B.P. (399'-0" ON L.W.L.) x 51'-9" M.P. - 52'-0" EXT. x 30'-6" M.P. TO UPPER DECK
TO CLASS 100 A.1. AT LLOYD'S SPECIAL SURVEY.

FIRST LONGITUDINAL NUMBER	L x D = 399.0 x 30.5	= 12169.00
SECOND LONGITUDINAL NUMBER	L x (B+D) = 399.0 x (51.75 + 30.5)	= 32617.00
PROPORTION 7/10 TO UPPER DECK	399.0 x 30.5	= 13.08
PROPORTION 7/10 TO BRIDGE DECK	399.0 x 30.5	= 10.36
D MOULDED DEPTH		= 30.50
d = 30.5 - (8.90 + 3.54)		= 18.46
EREACTIONS		= 55.00%

EQUIPMENT NUMBER		
SECOND LONGITUDINAL NUMBER	L x (B+D)	= 32617.00
POOP	40.0 x 7.25 x 3/4"	= 217.50
BRIDGE	144.66 x 8.0 x 3/4"	= 867.96
FORECASTLE	23.0 x 7.25 x 3/4"	= 157.69
STOREHOUSES ON BRIDGE DECK	44.5 x 7.5 x 3/4"	= 250.31
FORE END OF CASINO ETC.	32.5 x 7.5 x 1/2"	= 121.87
SHALLOON HOUSE	31.5 x 7.5 x 1/2"	= 118.12
CAPTAIN'S HOUSE	21.0 x 7.5 x 1/2"	= 76.75
TOTAL		= 34629.20

EQUIPMENT
2 BOKER ANCHORS 60 CWT. EACH 50% STOCKLESS.
1 BOKER ANCHOR 50 1/2 CWT. 75% STOCKLESS.
1 STREAM ANCHOR 18 1/4 CWT. 50% STOCK.
370 FATHOMS 7/16" STUD CHAIN CABLE 645 3/4 CWT.
30 FATHOMS 1 1/8" STREAM CHAIN OR 4 3/4" FLEXIBLE STEEL WIRE 6 x 12.
120 FATHOMS 3/4" FLEXIBLE STEEL WIRE 6 x 12.
2 HANGERS 30 FATHOMS 8 HEMP OR 2 3/4" FLEXIBLE STEEL WIRE 6 x 12.
2 WARPS 30 FATHOMS 7 HEMP OR 2 1/2" FLEXIBLE STEEL WIRE 6 x 12.

RIVETING NOTE
RIVETS IN FRAMES TO FLOORS AND CROSS TIE PLATES IN AFT PEAK SPACED 5 DIAM. APART C² TO C².
RIVETS IN FRAMES TO SHELL AT FLAT OF DOUBLE BOTTOM FOR 1/2 HALF LENGTH FOR 1/2 SPACED 5 1/2 DIAM. (TWO COMPLETE ROWS).
RIVETS IN FRAMES TO FLOORS AT FLAT OF DOUBLE BOTTOM FOR 1/2 HALF LENGTH FOR 1/2 SPACED 6 1/4 DIAM. (TWO COMPLETE ROWS).
RIVETS IN 300 FRAMES TO SHELL SPACED 7 DIAM. APART, 5 1/2 DIAM. APART IN WAY OF FORE AND AFT PEAK TANKS AND DEEP FRAMING FORWARD.
RIVETS IN BOTTOM FRAMES TO SHELL AFT HALF LENGTH FORWARD SPACED 7 DIAM. C² TO C².
RIVETS IN 3 R. BUTTS OF OUTSIDE PLATING AND OF DECK STRINGER PLATES SPACED 3 1/2 DIAM. APART C² TO C².
RIVETS IN 4 R. BUTTS OF OUTSIDE PLATING AND OF DECK STRINGER PLATES SPACED 4 DIAM. APART C² TO C².
RIVETS IN BEAMS OF SHELL PLATING, DECK PLATING AND INNER BOTTOM PLATING AS PER TABLE 40.
RIVETS IN BUTTS OF DECK PLATING, INNER BOTTOM AND MARGIN PLATING SPACED 4 DIAM. APART C² TO C².
RIVETS IN BEAMS AND BUTTS OF BULKHEAD AND TUNNEL PLATING, MARGIN ANGLES AND WEATHER DECK STRINGER ANGLES, AND BULKHEAD FRAMES TO BULKHEAD SPACED 4 1/2 DIAM. APART C² TO C².
RIVETS IN FLAT KEEL ANGLES, VERTICAL ANGLES, CONNECTING FLOORS TO CENTRE GIRDER AND SHELL FLANGE OR WATERTIGHT BULKHEAD FRAMES SPACED 5 DIAM. APART C² TO C².
RIVETS IN FRAMES TO FLOORS AFT HALF LENGTH FORWARD, REVERSE FRAMES TO FLOORS AND INNER BOTTOM PLATING, VERTICAL ANGLES TO FLOORS AND SIDE GIRDERS, IN BULKHEAD STIFFENERS (EXCEPT PEAK BULKHEADS) AND IN DECK PLATING TO BEAMS ON EVERY FRAME SPACED 7 DIAM. APART C² TO C².
RIVETS IN DECK PLATING TO BEAMS ON ALTERNATE FRAMES AND IN BULKHEAD STIFFENERS AT PEAK TANK BULKHEADS SPACED 6 DIAM. APART C² TO C².
RIVETS IN CENTRE GIRDER TOP ANGLES SPACED 7 DIAM. APART C² TO C² NON-WATERTIGHT.
RIVETS IN CENTRE GIRDER TOP ANGLES SPACED 5 DIAM. APART C² TO C² WATERTIGHT.

SIDE FRAMING
FRAMES SPACED 26" APART 27' FORWARD 3/4" LENGTH FORWARD 24" IN PEAKS.
MAIN SIDE FRAMES CLEAR OF DEEP FRAMING FOR 1/2 TUNNEL RECESS 5 FARE AFT PEAK TANKS 10' 3 1/2" x 48" B.A. N.B.S. ON EVERY FRAME TO SECOND DECK WITH 7' x 3 1/2" x 40" B.A. N.B.S. SCARPHED TO MAIN FRAME AT SECOND DECK AND EXTENDING TO UPPER DECK ON EVERY FRAME.
IN WAY OF BRIDGE 7' x 3 1/2" x 40" B.A. N.B.S. SCARPHED TO MAIN FRAME AT SECOND DECK AND CARRIED TO UPPER 5 BRIDGE DECKS ALTERNATELY. THE FOUR FRAMES AT FORE AND AFT ENDS OF BRIDGE DECK 7' x 3 1/2" x 40" B.A. N.B.S. ALL EXTENDING TO BRIDGE DECK.
FRAMES IN ENGINE & BOILER ROOM TO BE INCREASED 1/4" IN L.W. OF WEB FRAME.
FRAMES IN BOILER ROOM AND PERMANENT BUNKERS TO BE INCREASED 1/8" x 10" IN BOILER ROOM.
MAIN SIDE FRAMES IN WAY OF DEEP FRAMING FORWARD - 10" AFT RULE POSITION OF COLLISION.
BULKHEAD 12' x 3 1/2" x 70" B.A. N.B.S. ON EVERY FRAME TO SECOND DECK.
MAIN SIDE FRAMES IN WAY OF TUNNEL RECESS 9' x 3 1/2" x 42" B.A. N.B.S. ON EVERY FRAME TO SECOND DECK.
MAIN SIDE FRAMES IN FORE & AFT PEAK TANKS 7 1/2' x 3' x 40" B.A. N.B.S. ON EVERY FRAME TO F.C.L. & POOP DECK.
TWEEN DECK FRAMES IN WAY OF FORECASTLE, CLEAR OF FORE PEAK 7' x 3' x 40" B.A. N.B.S. SCARPHED TO MAIN FRAMES AT SECOND DECK & CARRIED TO UPPER 5 F.C.L. DECK. ALTERNATELY WITH 5 1/2' x 3' x 42" INTERMEDIATE SCARPHED FRAMES.
TWEEN DECK FRAMES IN WAY OF POOP, CLEAR OF AFT PEAK 7' x 3' x 40" B.A. N.B.S. SCARPHED TO MAIN FRAMES AT SECOND DECK & CARRIED TO UPPER DECK & POOP DECK ALTERNATELY WITH 5 1/2' x 42" INTERMEDIATE HANGING FRAMES.

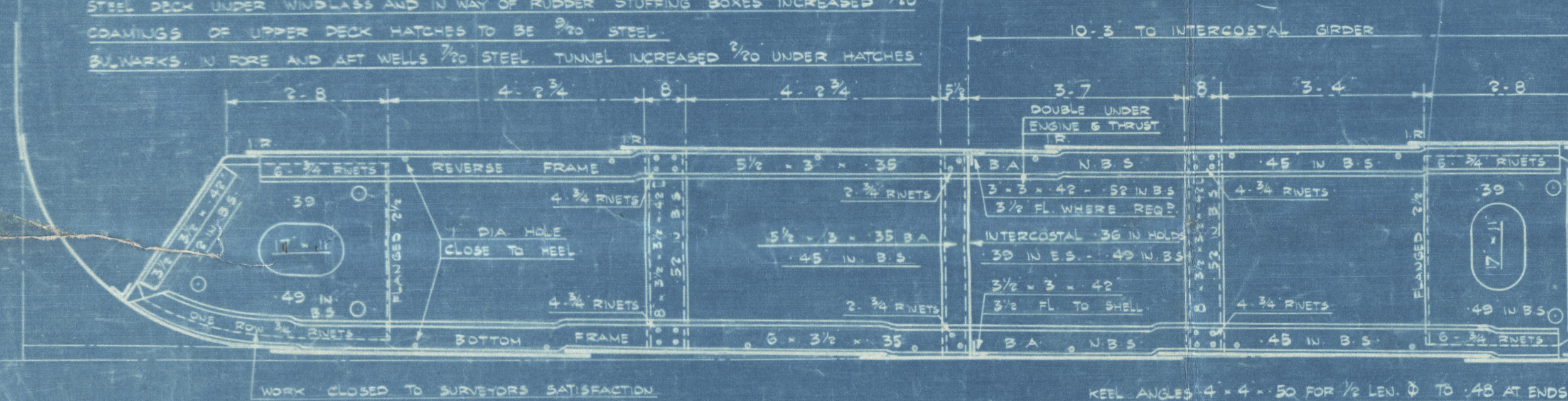
SCANTLINGS AND DETAILS OF CONSTRUCTION NOTED HEREON ARE SUBMITTED ON THE UNDERSTANDING THAT THEY ARE THE MINIMUM WHICH WILL BE ACCEPTED FOR CLASS. ERRORS AND OMISSIONS EXCEPTED.

OWNERS' REQUIREMENTS

RUDDER STOCK TO BE INCREASED 1/2".
BRIDGE DECK STRINGER AND SHEERSTRAKES TO BE INCREASED 1/2". BRIDGE DECK INCREASED 3/20".
MAIN DECK SHEERSTRAKES TO BE SPECIALLY STRENGTHENED AS PER RULES AND SPECIAL STRENGTHENING TO BE CARRIED 70 FEET BEYOND EACH END OF BRIDGE.
TANK MARGINS IN CELLULAR DOUBLE BOTTOM TO BE OF STEEL OF IRON THICKNESS IN BOILER SPACE AND ELSEWHERE STEEL OF LLOYD'S SCANTLINGS.
TANK TOP UNDER ENGINE & THRUST SEATING OF STEEL 3/32" THICK AND UNDER BOILER BEARERS 7/16" THICK. REMAINDER IN ENGINE AND BOILER SPACE OF STEEL 1/20" THICK.
STEEL DECK UNDER WINDLASS AND IN WAY OF RUDDER STUFFING BOXES INCREASED 3/20".
COAMINGS OF UPPER DECK HATCHES TO BE 7/20" STEEL.
BULKHEADS IN FORE AND AFT WELLS TO STEEL TUNNEL INCREASED 3/20" UNDER HATCHES.

CENTRE GIRDER

48 1/2" x 51" FOR 1/2 LEN. Q. TO 48" AT ENDS.
160 IN. B.S. BUTTS LAPPED 5 3/4" FOR 1/2 LEN. Q.
VERTICAL ANGLES 3 1/2" x 3' x 42" SINGLE - 52 IN. B.S.
5' x 5' x 42" SINGLE UNDER ENGINE SPACE & THRUST SEATING 9' x 5' x 52" UNDER BOILER BEARERS.



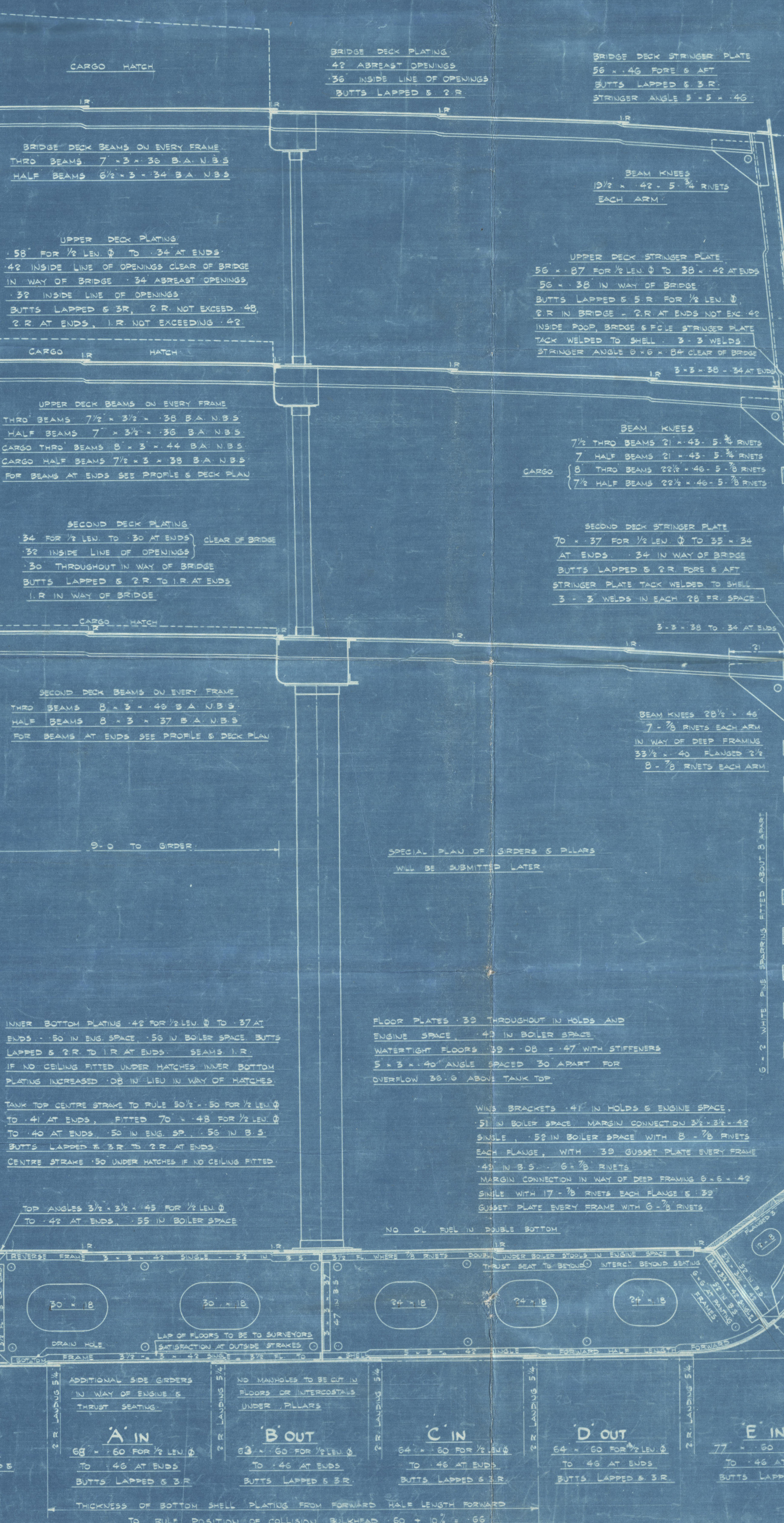
SPECIAL PLAN OF BOTTOM STRENGTHENING FORWARD TO BE SUBMITTED LATER.

DISPOSITION OF FLOORS

SOLID FLOORS ON EVERY FRAME IN ENGINE SPACE AND FORWARD 75 LEN. FORWARD UNDER BOILER BEARERS, BULKHEADS & PILLARS. PARTIAL SOLID UNDER THRUST, ELSEWHERE SOLID FLOORS ON EVERY FOURTH FRAME, BRACKET FLOORS INTERMEDIATE.

KEEL OUT

49' x 78" FOR 1/2 LEN. Q. TO 48" AT ENDS. BUTTS LAPPED 5 3/4" 4 R. TO 3 R. AT ENDS.



FORECASTLE DECK STRINGER PLATE 34" x 34" BUTTS LAPPED 5 1/2" R. STRINGER ANGLE 3 1/2" x 3 1/2" x 34" DECK PLATING 34" (UNWEATHERED) BUTTS LAPPED 5 1/2" R. BEAMS ON ALTERNATE FRAMES AS PER PROFILE AND DECK PLAN.

POOP DECK STRINGER PLATE 34" x 34" BUTTS LAPPED 5 1/2" R. STRINGER ANGLE 3 1/2" x 3 1/2" x 34" DECK PLATING 30" (SHEATHED) BUTTS LAPPED 5 1/2" R. BEAMS ON ALTERNATE FRAMES AS PER PROFILE AND DECK PLAN.

M OUT

BRIDGE 58' POOP 38' F.C.L. 40' BUTTS LAPPED 5 3/4" R. IN BRIDGE 1 R. IN POOP & FORECASTLE.

L IN

BRIDGE 38' POOP 38' F.C.L. 40' BUTTS LAPPED 5 3/4" R. IN BRIDGE 1 R. IN POOP & FORECASTLE.

K OUT

TO RULE 50' x 88" FITTED 73' x 84" FOR 1/2 LEN. Q. TO 44" AT ENDS. 60" IN WAY OF BRIDGE. BUTTS LAPPED 5 3/4" R. FOR 1/2 LEN. Q. 5 3/4" R. AT ENDS. 3 R. IN BRIDGE STRENGTHENING AT BREAKS AS PER RULES.

J IN

TO RULE 50' x 74" FITTED 73' x 70" FOR 1/2 LEN. Q. TO 44" AT ENDS. 60" IN WAY OF BRIDGE. BUTTS LAPPED 5 3/4" R. FOR 1/2 LEN. Q. 5 3/4" R. AT ENDS. (NOT EXCEED 60") 3 R. IN BRIDGE.

H OUT

71' x 60" FOR 1/2 LEN. Q. TO 44" AT ENDS. BUTTS LAPPED 5 3/4" R.

G IN

71' x 60" FOR 1/2 LEN. Q. TO 44" AT ENDS. BUTTS LAPPED 5 3/4" R.

F OUT

71' x 60" FOR 1/2 LEN. Q. TO 44" AT ENDS. BUTTS LAPPED 5 3/4" R.

11' x 78" RIVETS - 17' x 78" RIVETS IN WAY OF DEEP FRAMING.

INCREASED IN WAY OF DEEP FRAMING AS PER PROFILE.

BULB KEEL ABOUT 140' LONG 6' x 4' x 45" TEE BAR - 6' PL. TO SHELL WITH 10' x 45" BULB PLATE.

MARGIN SHELL ANGLE 3 1/2" x 3 1/2" x 50" FOR 1/2 LEN. Q.

MARGIN PLATE TO RULE 34' x 150" FITTED ABOUT 37' x 50' x 75" IN B.S. BUTTS LAPPED 5 3/4" R. THROUGHOUT.

25.9
51.6

S.S. TALAGANGA

LITHGOWS LTD NO 881

MIDSHIP SECTION

AS BUILT

GREENOCK FIRST ENTRY

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Lloyd's Register