

# MIDSHIP SECTION S.S. EL HIND.

SCALE 1/2" = FOOT.

DIMENSIONS: 400'-0" B.P. (399'-0" ON L.W.L.) x 51'-5" M.D. - 50'-0" EXT. x 30'-0" M.D. TO UPPER DECK  
TO CLASS 100 A.1. AT LLOYD'S SPECIAL SURVEY.

LLOYD'S NUMERALS			
FIRST LONGITUDINAL NUMBER	L x D = 399.0 x 30.5	=	12169.00
SECOND LONGITUDINAL NUMBER	L x (B+D) = 399.0 x (51.5+30.5)	=	3287.00
PROPORTION 1/2 TO UPPER DECK	= 399.0 x 30.5	=	12169.00
PROPORTION 1/2 TO BRIDGE DECK	= 399.0 x 30.5	=	12169.00
D. MOULDED DEPTH	=	=	30.50
D. = 30.5 - (2.50 + 2.54)	=	=	25.46
ERROCTIONS	=	=	55.00/0
D. AT HALF LENGTH FORWARD	=	=	22.00

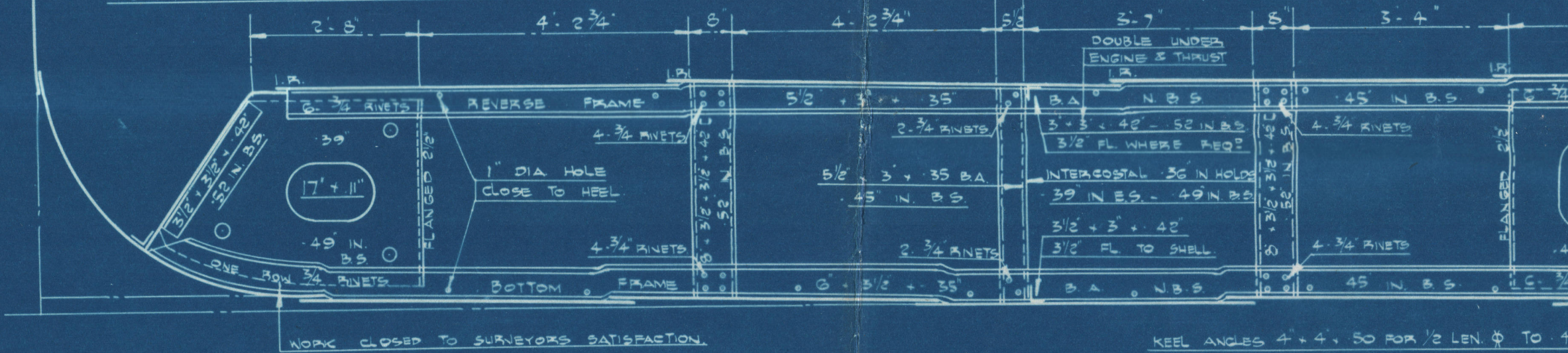
EQUIPMENT			
SECOND LONGITUDINAL NO. (L x (B+D))	=	=	3287.00
POOP	30.5 x 7.25 x 3/4	=	128.46
BRIDGE	144.00 x 6.0 x 3/4	=	667.20
FOUR	51.5 x 7.25 x 3/4	=	171.28
ROAD LATRINE HOUSE	27.25 x 9.0 x 3/4	=	103.50
ART LATRINE HOUSE	28.0 x 9.0 x 3/4	=	103.00
SIDEHOUSE ON BRIDGE DECK	70.5 x 7.5 x 3/4	=	396.56
FORE END OF CASINGS ETC	14.0 x 7.5 x 1/2	=	52.50
BALDOON HOUSE	31.5 x 7.5 x 1/2	=	118.12
ENGINS HOUSE ON BOAT DECK	33.5 x 7.5 x 1/2	=	125.02
OFFICERS HOUSE ON PILOT BRIDGE	27.5 x 7.5 x 1/2	=	103.12
CAPTAINS HOUSE ON FLYING BRIDGE	30.5 x 7.5 x 1/2	=	121.57
TOTAL	=	=	35303.90

EQUIPMENT			
2 POWER ANCHORS 3500 LBS. EACH STOCKLESS			
1 POWER ANCHOR 5400 LBS. STOCKLESS			
1 STEAM ANCHOR 1700 LBS. EX- STOCK			
270 FATHOMS 3/4" STEEL RIVETED CABLE 1/2" DIA. 1/16" TATTOO			
90 FATHOMS 3/4" FLEXIBLE STEEL WIRE G. 1/8"			
120 FATHOMS 5" FLEXIBLE STEEL WIRE G. 1/2"			
2 HAINBARS 90 FATHOMS 2" DIA. 2 3/4" FLEXIBLE STEEL WIRE G. 1/2"			
2 WARRPS 90 FATHOMS 7" DIA. 2 3/4" FLEXIBLE STEEL WIRE G. 1/2"			

**RIVETING NOTE.**  
RIVETS IN FRAMES TO FLOORS AND CROSS TIE PLATES IN ART. DECK SPACED 5 DIAM. APART C.B. TO C.B.  
RIVETS IN FRAMES TO SHELL AT FLAT OR DOUBLE BOTTOM FOR 1/2 HALF LENGTH FOR 2 SPACED 5 DIAM. (TWO COMPLETE ROUNDS)  
RIVETS IN FRAMES TO FLOORS AT FLAT OR DOUBLE BOTTOM FOR 1/2 HALF LENGTH FOR 2 SPACED 5 DIAM. (TWO COMPLETE ROUNDS)  
RIVETS IN SIDE FRAMES TO SHELL SPACED 7 DIAM. APART 5/2 DIAM. APART IN WAY OF FORE AND ART. FRAM. TANKS  
AND DEEP FRAMING FORWARD.  
RIVETS IN BOTTOM FRAMES TO SHELL ART. HALF LENGTH FORWARD SPACED 7 DIAM. 1/2 C.B. TO C.B.  
RIVETS IN 3/4 BUTTS OF OUTSIDE PLATING AND OF DECK STRINGER PLATES SPACED 4 DIAM. APART C.B. TO C.B.  
RIVETS IN 4/4 BUTTS OF OUTSIDE PLATING AND OF DECK STRINGER PLATES SPACED 4 DIAM. APART C.B. TO C.B.  
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 C.B. TO C.B.  
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 C.B. TO C.B.  
RIVETS IN FLAT KEEL ANGLES, VERTICAL ANGLES, CONNECTING FLOORS TO CENTRE GIRDER AND SHELL FLANGE OF  
WATER-TIGHT BULKHEAD FRAMES SPACED 5 DIAM. APART C.B. TO C.B.  
RIVETS IN FRAMES TO FLOORS ART. HALF LENGTH FORWARD, REVERSE FRAMES TO FLOORS AND INNER BOTTOM PLATING  
VERTICAL ANGLES TO FLOORS AND SIDE GUARDS, IN BULKHEAD STIFFENERS (EXCEPT PEAK BULKHEADS) AND IN DECK PLATING  
TO BEAMS ON EVERY FRAME SPACED 7 DIAM. APART C.B. TO C.B.  
RIVETS IN DECK PLATING TO BEAMS ON ALTERNATE FRAMES AND IN BULKHEAD STIFFENERS AT PEAK TANK BULKHEADS  
SPACED 6 DIAM. APART C.B. TO C.B.  
RIVETS IN CENTRE GIRDER TOP ANGLES SPACED 7 DIAM. APART C.B. TO C.B. NON-WATER-TIGHT.  
RIVETS IN CENTRE GIRDER TOP ANGLES SPACED 5 DIAM. APART C.B. TO C.B. WATER-TIGHT.

**SIDE FRAMING.**  
FRAMES SPACED 26" APART 27' FORWARD 7/8 LENGTH FORWARD 24" IN PEAKS.  
MAIN SIDE FRAMES APART HALF LENGTH FOR 2 CLEAR OF TUNNEL RECESS 3 ROUNDS ART. PEAK TANKS 10' x 2 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 6 BRIDGE DECK ALTERNATELY. THE FOUR FRAMES AT FORE AND ART. 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 LIEU OF WEB FRAME.  
FRAMES IN BOILER ROOM AND PERMANENT BUNKERS TO BE INCREASED 1/4" = 1/4" IN BOILER ROOM.  
MAIN SIDE FRAMES IN WAY OF DEEP FRAMING FORWARD - 10" APART RULE POSITION OF COLLISION.  
BULKHEAD 12' x 3 1/2' x 100" B.A. N.B.S. (NINE BUTTS AS PER PROFILE) ON EVERY FRAME TO SECOND DECK.  
MAIN SIDE FRAMES IN WAY OF TUNNEL RECESS 9' x 3 1/2' x 48" B.A. N.B.S. ON EVERY FRAME TO SECOND DECK.  
MAIN SIDE FRAMES IN FORE & ART. PEAK TANKS 7' x 3 1/2' x 40" B.A. N.B.S. ON EVERY FRAME TO FIVE 3 POOP DECK.  
MAIN DECK FRAMES IN WAY OF FORECASTLE CLEAR OF POOP DECK 7' x 3 1/2' x 40" B.A. N.B.S. SCARPHED TO MAIN FRAMES.  
AT SECOND DECK & CARRIED TO UPPER 5 FIVE DECK ALTERNATELY WITH 5 1/2' x 5' x 40" INTERMEDIATE SCARPHED FRAMES.  
THREE DECK FRAMES IN WAY OF POOP, CLEAR OF ART. PEAK 7' x 3 1/2' 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 5' x 40" INTERMEDIATE HANGING FRAMES.  
MAIN SIDE FRAMES FORWARD 1/2 LENGTH FORWARD CLEAR OF DEEP FRAMING 11' x 3 1/2' x 54" B.A. N.B.S. ON EVERY  
FRAME TO SECOND DECK WITH 7' x 3 1/2' x 40" B.A. N.B.S. THREE DECK FRAMES SCARPHED TO MAIN FRAMES AT SECOND DECK.  
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.

**OTHERS REQUIREMENTS.**  
BUNKER STOPS TO BE INCREASED 1/4".  
BRIDGE DECK STRINGER AND SHEERSTRAKES TO BE INCREASED 1/20". BRIDGE DECK INCREASED 1/20".  
MAIN DECK SHEERSTRAKES TO BE SPECIALLY STRENGTHENED AS PER RULES AND  
SPECIAL STRENGTHENING TO BE CARRIED 20 FEET BEYOND EACH END OF BRIDGE.  
TANK MARGINS IN CELLULAR DOUBLE BOTTOM TO BE OF STEEL OR IRON THICKNESS IN  
BOILER SPACE AND ELSEWHERE STEEL OF LLOYD'S SCANTLING.  
TANK TOP UNDER ENGINE & THRUST BEATING OF STEEL 3/32" THICK AND UNDER BOILER  
BEATERS 3/8" THICK. REMAINDER IN ENGINE AND BOILER SPACE OF STEEL 1/20" THICK.  
STEEL DECK UNDER WINDLASS AND IN WAY OF RUDDER STUFFING BOXES INCREASED 1/20".  
COAMINGS OF UPPER DECK HATCHES TO BE 3/20" STEEL.  
BULKHEADS IN FORE AND ART. WELLS 1/20" STEEL TUNNEL INCREASED 1/20" UNDER HATCHES.



SPECIAL PLAN OF BOTTOM  
STRENGTHENING FORWARD TO  
BE SUBMITTED LATER.

**DISPOSITION OF FLOORS.**  
SOLID FLOORS ON EVERY FRAME IN ENGINE SPACE AND  
FORWARD 5' LEN FORWARD UNDER BOILER BEATERS BULKHEADS &  
PILARS. PARTIAL SOLID UNDER THRUST. ELSEWHERE SOLID  
FLOORS ON EVERY BOUNDARY FRAME BRACKET FLOORS INTERMEDIATE.

**KEEL OUT**  
49' x 76' FOR 1/2 LEN & TO  
40' AT ENDS. BUTTS LAPPED &  
4 R. TO 3 R. AT ENDS.

**A IN**  
60' x 60' FOR 1/2 LEN &  
TO 40' AT ENDS.  
BUTTS LAPPED & 3 R.

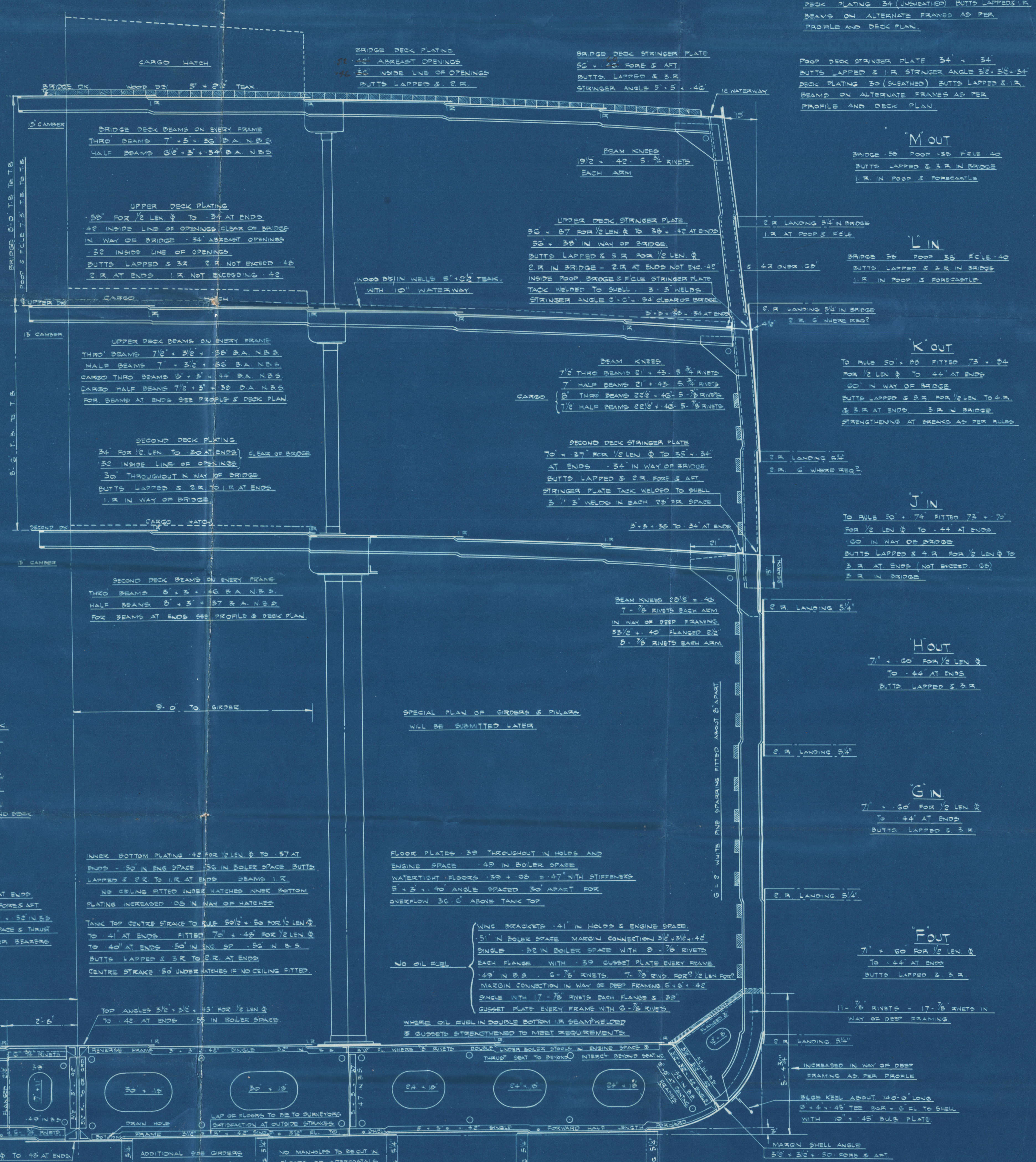
**B OUT**  
63' x 60' FOR 1/2 LEN &  
TO 40' AT ENDS.  
BUTTS LAPPED & 3 R.

**C IN**  
64' x 60' FOR 1/2 LEN &  
TO 40' AT ENDS.  
BUTTS LAPPED & 3 R.

**D OUT**  
64' x 60' FOR 1/2 LEN &  
TO 40' AT ENDS.  
BUTTS LAPPED & 3 R.

**E IN**  
77' x 60' FOR 1/2 LEN &  
TO 40' AT ENDS.  
BUTTS LAPPED & 3 R.

MARGIN PLATE TO RULE 34' x 50' FITTED  
ABOUT 37' x 50' - 58' IN B.S.  
BUTTS LAPPED & 3 R. THROUGHOUT.



FORECASTLE DECK STRINGER PLATE 54' x 34'  
BUTTS LAPPED & 1 R. STRINGER ANGLE 3/8" x 5/8" x 34"  
DECK PLATING 34" (UNWEATHERED) BUTTS LAPPED & 1 R.  
BEAMS ON ALTERNATE FRAMES AS PER  
PROFILE AND DECK PLAN.

POOP DECK STRINGER PLATE 34' x 34'  
BUTTS LAPPED & 1 R. STRINGER ANGLE 3/8" x 5/8" x 34"  
DECK PLATING 30" (WEATHERED) BUTTS LAPPED & 1 R.  
BEAMS ON ALTERNATE FRAMES AS PER  
PROFILE AND DECK PLAN.

**M OUT**  
BRIDGE 50' POOP 30' FIVE 40'  
BUTTS LAPPED & 3 R. IN BRIDGE  
1 R. IN POOP & FORECASTLE

**L IN**  
BRIDGE 50' POOP 30' FIVE 40'  
BUTTS LAPPED & 3 R. IN BRIDGE  
1 R. IN POOP & FORECASTLE

**K OUT**  
TO RULE 50' x 60' FITTED 73' x 34'  
FOR 1/2 LEN & TO 44' AT ENDS  
GO IN WAY OF BRIDGE  
BUTTS LAPPED & 3 R. FOR 1/2 LEN TO 4 R.  
5 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 & TO 44' AT ENDS  
GO IN WAY OF BRIDGE  
BUTTS LAPPED & 4 R. FOR 1/2 LEN & TO  
3 R. AT ENDS (NOT EXCEED 60)  
3 R. IN BRIDGE

**H OUT**  
71' x 60' FOR 1/2 LEN &  
TO 44' AT ENDS  
BUTTS LAPPED & 3 R.

**G IN**  
71' x 60' FOR 1/2 LEN &  
TO 44' AT ENDS  
BUTTS LAPPED & 3 R.

**F OUT**  
71' x 60' FOR 1/2 LEN &  
TO 44' AT ENDS  
BUTTS LAPPED & 3 R.

11-7/8 RIVETS - 17-7/8 RIVETS IN  
WAY OF DEEP FRAMING.  
INCREASED IN WAY OF DEEP  
FRAMING AS PER PROFILE.  
BLADE KEEL ABOUT 140'-0" LONG.  
8' x 4' x 45" TEE BAR - 0' CL. TO SHELL  
WITH 10' x 45" BULB PLATE.





Midship section, as built  
Messrs. Hutchins Limited &  
Yard N° 912.

S.S. - El Hina

Enk. First Entry Report N° 20581.

RETAIN



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Lloyd's Register  
Foundation

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