

S.S. No 522 MIDSHIP SECTION.

DIMENSIONS 423' 6" B.P. x 55' 9" x 31' 4" MLD. TO UPPER DECK.

To CLASS LLOYDS 100 A.I.

SCALE: 1/2" = ONE FOOT.

LLOYDS NUMERALS

L x D = 423.5 x 31.333 = 13299.6
L (S + D) = 423.5 + (55.75 + 31.333) = 509.583
L + D (To Upper Deck) = 423.5 + 31.333 = 454.833
L + D (To Bridge Deck) = 423.5 + 39.08 = 462.583
G IN HOLDS & MACHINERY SPACES = 18.0
ERECTOR'S 52%

FORGINGS

STEM ROLLED STEEL BAR 10' x 2 1/2"
STERN FRAME FORGED STEEL PROPELLER POST 10 1/2" x 8 1/2" RUDDER POST 9' x 8 1/2"
RUDDER FORGED STEEL

RIVETING

	END	HALF	EDGE	LANDINGS
	WIDE	BRIDGE	INSIDE	HALF
	QUAD	QUAD	TREBLE	DOUBLE
KEEL PLATE				
CENTRE GIRDER				
TANK TOP CENTRE STRAKE				
TANK TOP PLATING				
MARGIN PLATE				
SHELL STRAKES	A TO E			
F TO H				
J				
K SHEERSTRAKE				
L				
POOP & FOUL DECK STRINGER				
BRIDGE DECK				
UPPER				
MAIN				
POOP & FOUL DECK PLATING				
BRIDGE DECK				
UPPER				
MAIN				

SPACING OF RIVETS

SIDE FRAMES TO SHELL 7 DIA. IN AFT PEAK TANK, C DEEP TANK 5 1/2 DIA.
BOTTOM FRAMES TO SHELL IN WAY OF TANK 7 DIA. FOR 3/4 L 5 1/2 DIA (2 ROWS) 50 @ W.T. FLOORS
TANK TOP TO TANK REVERSE FRAMES 7 DIA. BEAMS ON EVERY FRAME
DECK PLATING TO BEAMS 7 DIA.
SIDE FRAMES TO REVERSE FRAMES (AT FOR PAINTING) 5 DIA.
SIDE FRAMES TO FLOORS (CROSS TIES IN AFT PEAK TANK) 7 DIA.
BOTTOM FRAMES TO FLOORS 7 DIA.
BOTTOM REV FRAMES TO FLOORS 7 DIA.

1/2 GIRTH OF SHELL 27'-10 1/2"
DEPTH (D) LESS RISE 31'-1"
SHEERSTRAKE ABOVE DECK 1'-1 1/2"
LESS BLUZE 3'-0"
BLUZE GIRTH 52'-1"
TOTAL GIRTH 58'-4 1/2"
ADD LANDINGS 9'-5 1/2"
BLUZE ALLOWANCE 2"
65'-0 1/2"

DOUBLE BOTTOM.

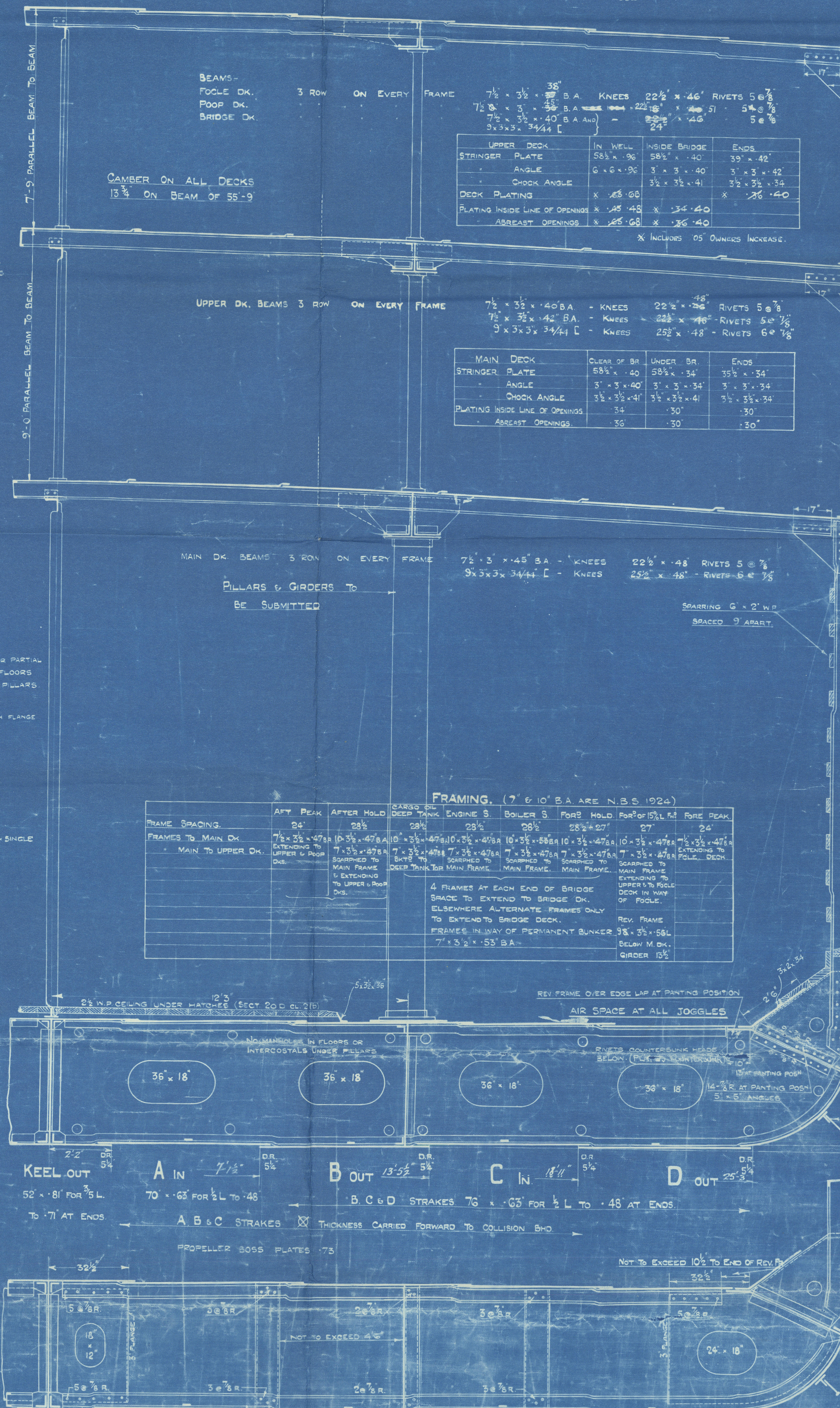
	1/2 LENGTH	ENDS	ENGINE S	BOILER S	REMARKS
CENTRE GIRDER PLATE ABOVE BULK	52' x 54"	52' x 44"	52' x 54"	52' x 44"	
Top ANGLES	3 1/2" x 5 1/2"	3 1/2" x 4 1/2"	3 1/2" x 5 1/2"	3 1/2" x 4 1/2"	DOUBLE THROUGHOUT.
BOTTOM	4' x 4' x 5"	4' x 4' x 5 1/2"	4' x 4' x 5 1/2"	4' x 4' x 5 1/2"	
FLOORS SAID ON EVERY 322	40	40	50' 40"	20' 100"	SOLID FLOORS ON EVERY FRAME IN C.P.
INTER. BKT FLOORS	40	40	50' 40"	20' 100"	SOLID OR PARTIAL SOLID FLOORS
WING BRACKET PLANGED 3 1/2	45	45	45	55	UNDER THRUST SEAT, BOILER BEARERS
W.T. FLOORS	48	48	50' 40"	50' 60"	BULKHEADS & PORT OF 3/4 LENGTH ELSEWHERE ON EVERY THIRD
STIFFS	3' x 3 1/2" x 40	SPACED 30" APART	3' x 3 1/2" x 40	5' x 3 1/2" x 50	
FRAMES ON SOLID FLOORS	4' x 3 1/2" x 40	4' x 3 1/2" x 40	4' x 3 1/2" x 40	4' x 3 1/2" x 40	COMPLETE BONS OF RIVETS IN EACH PLANGE
W.T.	4' x 3 1/2" x 40	4' x 3 1/2" x 40	4' x 3 1/2" x 40	4' x 3 1/2" x 40	
BKT	6' x 3 1/2" x 40	6' x 3 1/2" x 40	6' x 3 1/2" x 40	6' x 3 1/2" x 40	THREE SECTIONS N.B.S. 1924
REV. FR. SOLID	4' x 3 1/2" x 40	4' x 3 1/2" x 40	4' x 3 1/2" x 40	4' x 3 1/2" x 40	DOUBLE UNDER E.S. THRUST & BOILER BEARERS
BKT	6' x 3 1/2" x 40	6' x 3 1/2" x 40	6' x 3 1/2" x 40	6' x 3 1/2" x 40	THREE SECTIONS N.B.S. 1924
INTER. PLATES	40	40	40	40	
Top ANGLES	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	DOUBLE UNDER E.S. & THRUST 4' x 4' x 50
BOTTOM	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 3 1/2" x 50 UNDER ENGINE SEAT
VERT. ANGLES ON CR. GIRDER	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	DOUBLE UNDER E.S. & THRUST & BOILER BEARERS
ON MARGIN INSIDE	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	SINGLE F.V.A. 5' x 5' x 45" AT PAINTING POSN
OUTSIDE	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	5' x 5' x 50 UNDER ENGINE SEAT & THRUST
INTER. SOLID	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	
OPEN	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	3 1/2" x 4 1/2"	
STRUTS ON BKT FLOORS	10' x 3 1/2" x 40	10' x 3 1/2" x 40	10' x 3 1/2" x 40	10' x 3 1/2" x 40	
TANK TOP CENTRE STRAKE	5 1/2" x 50"	5 1/2" x 42"	5 1/2" x 50"	5 1/2" x 42"	50 UNDER ENGINE SEAT
PLATING	42	38	50	38	50 UNDER ENGINE SEAT
MARGIN PLATE	45' x 51"	45' x 51"	45' x 51"	45' x 51"	50 UNDER ENGINE SEAT
ANGLE	45' x 51"	45' x 51"	45' x 51"	45' x 51"	50 UNDER ENGINE SEAT
GUSSET PLATE CONTINUOUS SEA	40	40	40	40	50 UNDER ENGINE SEAT

ALEXANDER STEPHEN & SONS, LTD
SHIPBUILDERS & ENGINEERS
GLASGOW.
PLANNING
DATE 4-4-19

BRIDGE DK.

UPPER DK.

2ND DECK.

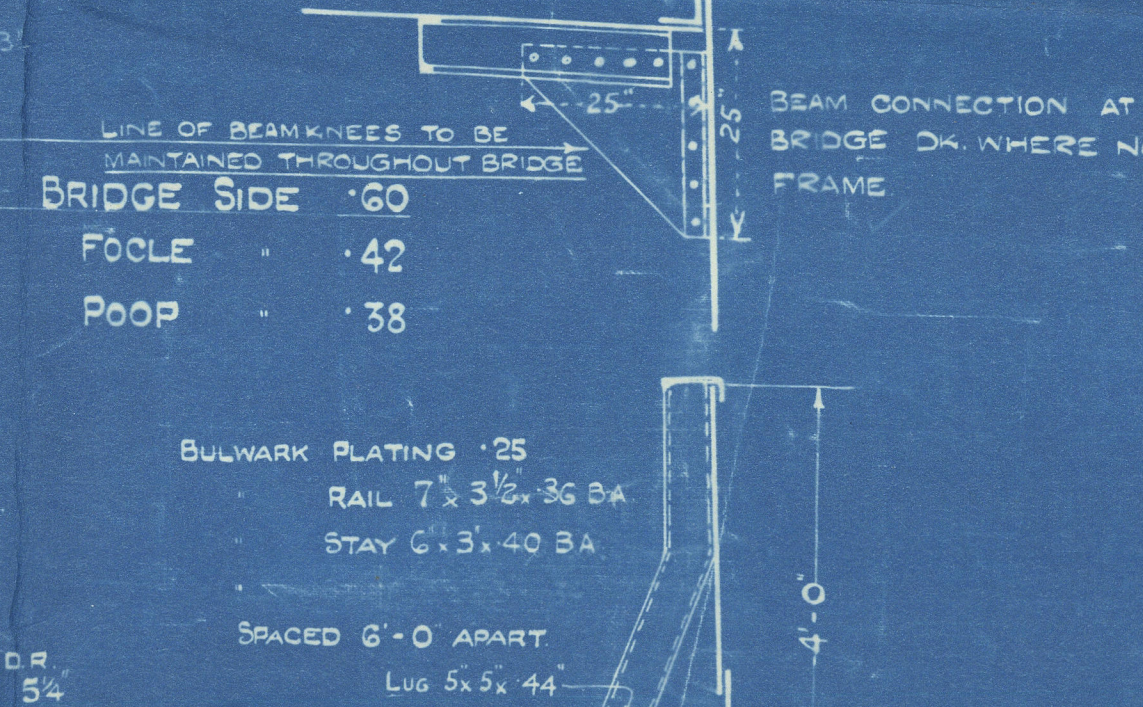


EQUIPMENT NUMERAL

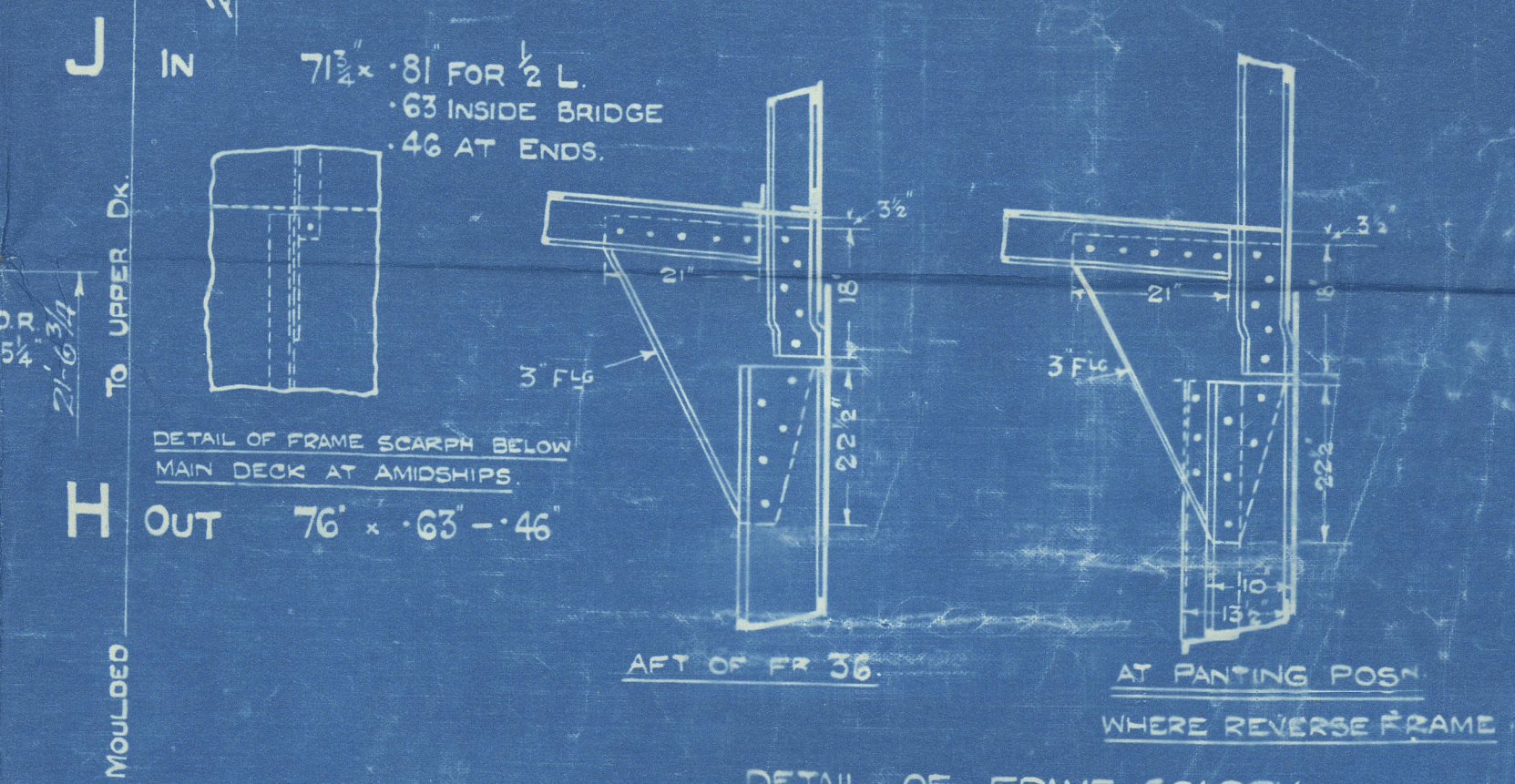
L (S + D) = 423.5 + (55.75 + 31.333) = 509.583
POOP = 45.25 x 7.75 x 7.5 = 263
BRIDGE = 140.15 x 7.75 x 7.5 = 815
FOUL = 34.5 x 7.75 x 7.5 = 200
HOUSES = 90.0 x 7.75 x 7.5 = 522
33.520

EQUIPMENT

2 BOWER ANCHORS EACH 68 CWT. STOCKLESS
1 BOWER ANCHOR 58 CWT. Ex. Stock
1 STREAM ANCHOR 19 CWT. Ex. Stock
CHAIN CABLE 270 FATHOMS 2 1/2"
STEEL WIRE 90 5"
TOW LINE 120 5"
MAWERS 2 @ 90 2 1/2"
WAPERS 2 @ 90 2 1/2"



OUT SHEERSTRAKE
71' x 92' FOR 1/2 L.
63' INSIDE BRIDGE
46' AT ENDS.



IN 76' x 63' x 46'

IN 76' x 63' x 46'

OUT 684' x 63' x 46'

IN 70' x 65' x 48'

OUT 684' x 63' x 46'

IN 70' x 65' x 48'

OUT 684' x 63' x 46'

S. S. "JUMNA".

Alex. Stephen & Sons Ltd.

No. 522.

MIDSHIP SECTION
AS BUILT.

GLASGOW RPT. 49064

RETAIN

W987-0348



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Foundation