

T.S.S. HARUNA MARU. MIDSHIP SECTION.

SCALE 1/2 INCH TO ONE FOOT.

PRINCIPAL DIMENSIONS.	
LENGTH BETWEEN P.P.	495'-0"
BREADTH MOULDED.	62'-0"
DEPTH.	37'-0"

LLOYD'S CLASS 100A1

SCANTLING NUMERALS.	
B	62.0
D	37.0
L	99.0 TRANSVERSE NO.
	495.0 LONGITUDINAL NO.

TO UPPER DE.	13.38
TO BRIDGE DE.	10.76
TO BOAT DECK	7.98
WHERE NO. 25 DE.	24'-2"
TO BRIDGE DE.	15'-2"
TO BOAT DECK	11'-5"
IN WAY OF 3RD DE.	14'-5 1/2"

FORGINGS & CASTINGS.	
STEM	11 x 3 1/2 ROLLED STEEL
STERN FRAME	CAST STEEL (WITHOUT APERTURES) AS PER PLAN
SHAFT BRACKET	
RUDDER	FORGED STEEL (SINGLE PLATE TYPE)

FRAMINGS.	
FRAME SPACE	24" IN BOTH PEAKS
	27" FROM FORWARD OF 3 1/2 L. Q. TO COL. BHS.
	36" ELSEWHERE

FORE PEAK -	5' 3 1/2" x 44" B.A. ALTERNATELY EXTENDING TO 2ND & 3RD DECK.
AFT PEAK -	5' 3 1/2" x 44" B.A. EXTENDING TO UPPER DE.
MAIN FRAME -	11' 3 1/2" x 58" B.A. EXTENDING TO 2ND & 3RD DECK.
FORECASTLE DECK -	ALTERNATELY
TWEEN DECK FRAME -	7' 3 1/2" x 42" B.A.
MAIN FRAME -	13' 3 1/2" x 58" B.A. EXTENDING TO 2ND & 3RD DECK.
ALTERNATELY WITH REVERSE BAR -	3 1/2" x 58" B.A. TO 2ND DECK.
ALL TWEEN DECK FRAME -	7' 3 1/2" x 42" B.A.

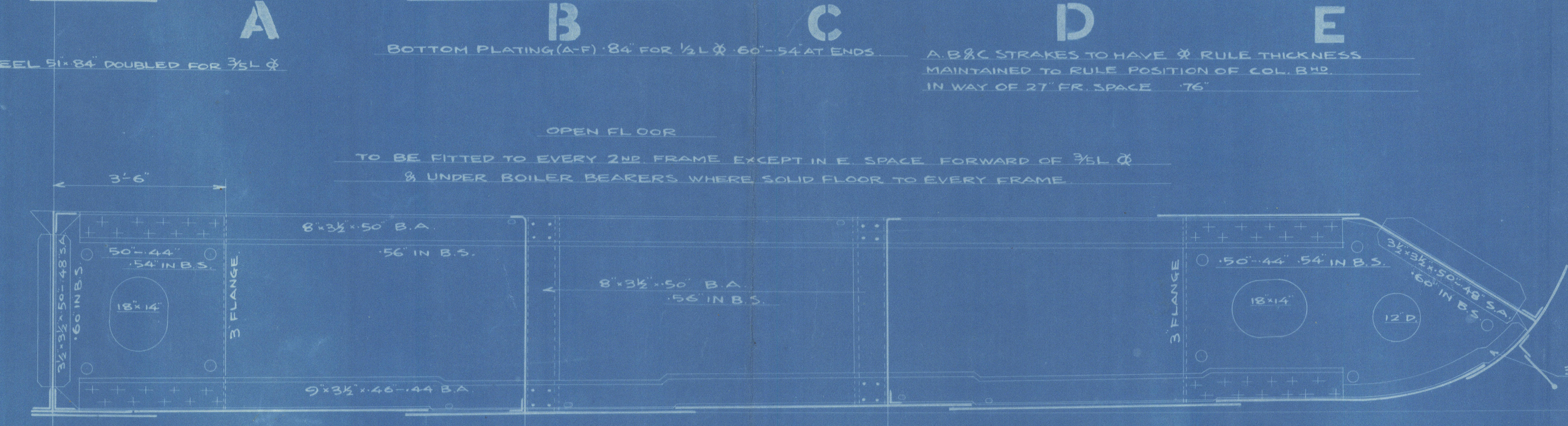
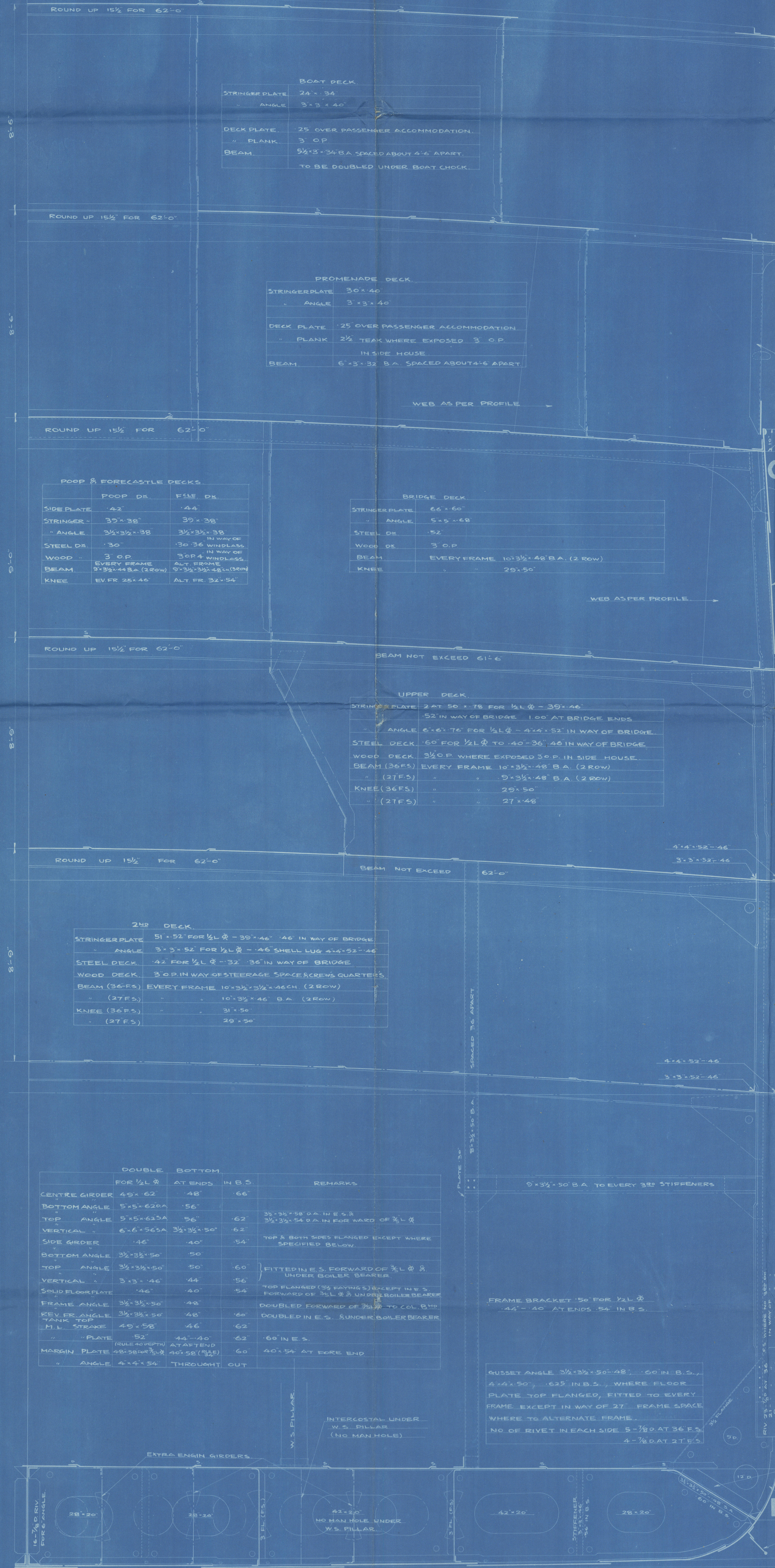
RIVETING NOTE.

END CONNECTION	
DESCRIPTIONS	FOR 1/2 L. Q.
FLAT PLATE BUTT DOUBLING	LAPPED 3R
BOTTOM PLATE (A-E)	LAPPED 3R
SIDE PLATING (G-H)	LAPPED 3R
STRAKE BELOW SH. STR. (N)	LAPPED 3R
SHEER STRAKE BUTT DOUBLING	LAPPED 3R
STRAKE BELOW BR. SH. STR. (O)	LAPPED 3R
BRIDGE SHEER STRAKE (Q)	LAPPED 3R
TANK TOP M.L. STRAKE	LAPPED 3R
OTHER TANK TOP PLATE	2R
MARGIN PLATE	LAPPED 3R
CENTRE GIRDER PLATE	4R
BRIDGE DE. STRINGER PLATE	LAPPED 3R
PLATE	2R
UPPER DE. STRINGER PLATE	LAPPED 3R
PLATE	3R
2ND DE. STRINGER PLATE	3R
PLATE	2R
PROM. DE. STRINGER PLATE	1R
PLATE	1R
BOAT DE. STRINGER PLATE	2R
PLATE	1R
PLATE ON THE SPECTACLE FRAME	LAPPED 3R
FLAT DE. SIDE PLATING	2R
STRINGER PLATE	2R
PLATE	1R
POOP DE. SIDE PLATING	2R
STRINGER PLATE	2R
PLATE	1R

* - RIVETING BEING REGULATED BY TABLE THICKNESS OF PLATE.

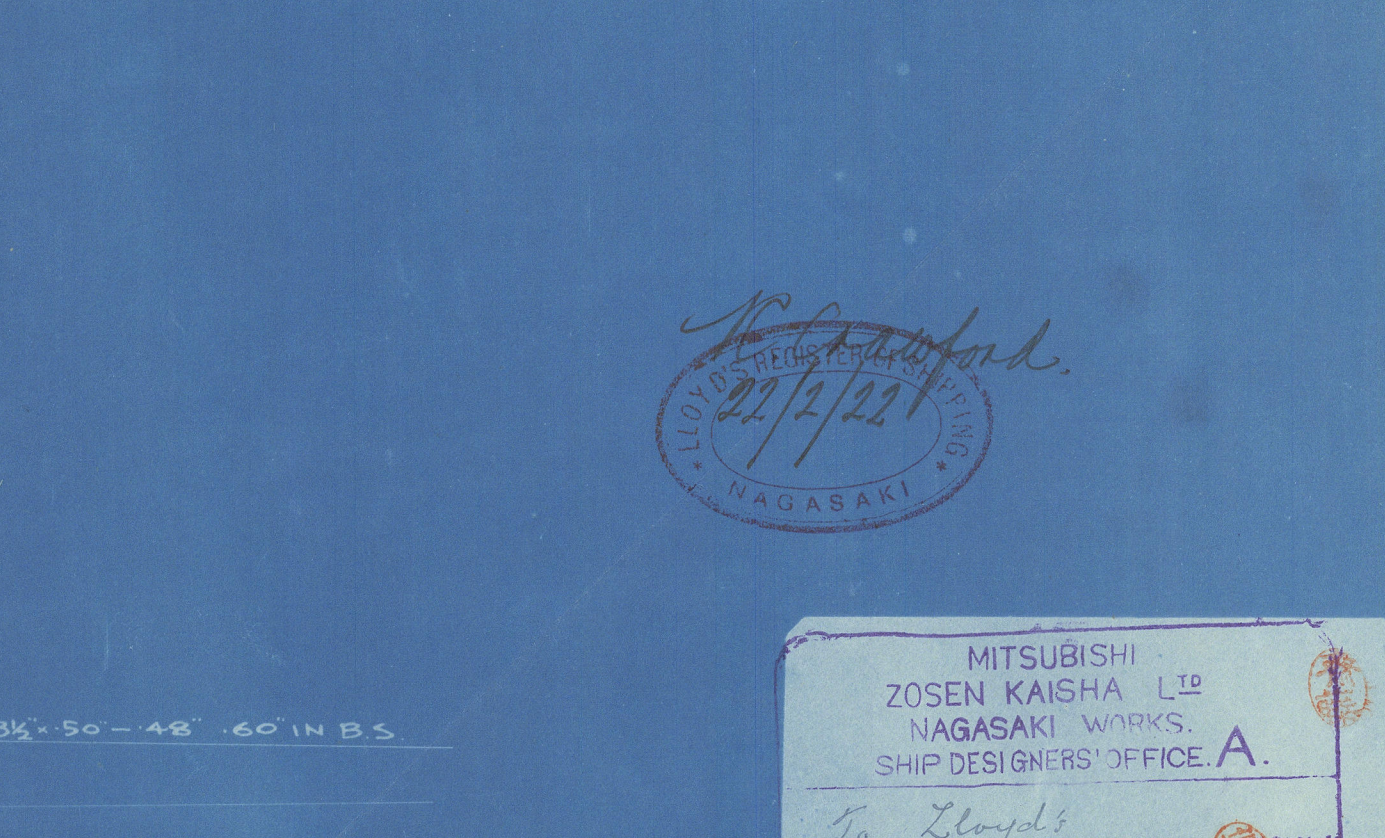
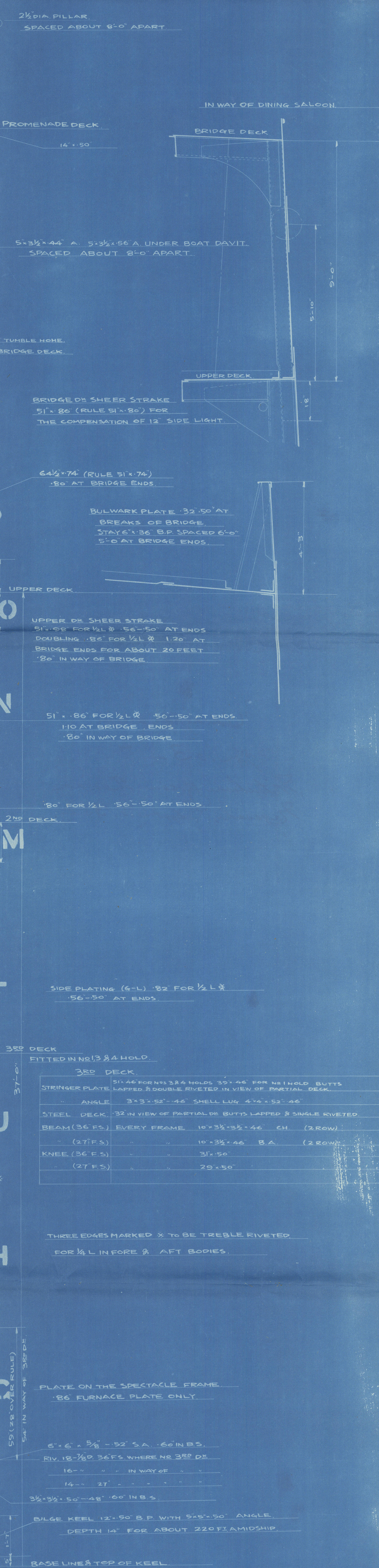
EDGE CONNECTION	
SHELL LANDING	2R ALL FORE & AFT
TANK TOP M.L. STRAKE	2R ALL FORE & AFT
OTHER TANK TOP PLATING	1R
MARGIN PL. TO TANK TOP PL.	1R
JOINING SEAM OF THE BULKHEAD	2R
ALL DE. STRINGER PL. TO DE. PLATE	1R
ALL DE. PLATE	1R

FRAME TO SHELL CONNECTION	
IN FORE & AFT PEAK TANKS	5/8" D.
BOTTOM PART FORWARD OF 3 1/2 L. Q.	5/8" D.
IN WAY OF CHANNELER WITH REVER.	5/8" D.
OTHERS.	5/8" D.



EQUIPMENT No.	
(B+D) x L	49005.0
POOP	3/4 x 93 x 8 x 8 562.8
BRIDGE	3/4 x 181 x 8 x 8 1,265.6
FORE CASTLE	3/4 x 55 x 7 x 7 322.6
BRIDGE DE. HOUSE	1/2 x 155 x 8 x 8 658.8
PROM.	1/2 x 138 x 7 x 7 589.7
BOAT	1/2 x 51 x 8 x 8 216.8
POOP	1/2 x 52 x 8 x 8 211.8
MARK	53000.3

EQUIPMENTS	
3 BOWER ANCHOR (STOCKLESS) EACH	95 CWTs
BEING TWO GRADES HEAVIER	
1 STREAM (ORDINARY) EX. STOCK	26 1/2
1 KEDGE ()	13
STUD CHAIN CABLE	2 3/4 DIA. 300 FMS.
STEEL WIRE (FOR STREAM)	5 C (FLW) 120
" (TOW LINE)	5 1/2 C () 130
2 HAWSERS EACH (M.E.)	8 C 100
2 WARPS ()	8 C 100



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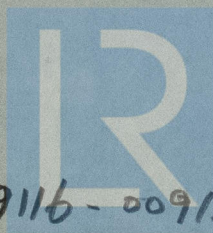
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"Haruna Maru"

Midship Section.

S. No. 347.

Mitsubishi Zosen Kaisha.
Nagasaki; Report No. 1352.



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