

No. 91. MIDSHIP SECTION. SCALE 1/2 INCH TO A FOOT. 400'-0" X 54'-6" X 30'-0".

ONLY SECTIONS USED FOR THE SHIP	
2 1/2" x 2 1/2" x .25	ANGLE
3" x 3" x .30	
3 1/2" x 3 1/2" x .38	
" " " " x .40	
" " " " x .44	
" " " " x .50	
4" x 4" x .44	
5" x 5" x .50	
" " " " x .70	
8" x 3 1/2" x .50 & 5 1/2" x 5 1/2" x .56	B. ANGLE
6" x 3 1/2" x .56	

SCANTLING NUMERALS	
B	54.5
D	30.0
TRANSVERSE NO.	
L	400.0
LONGITUDINALS	
B TO UPPER DK	13.3
D TO BRIDGE DK	10.6
18" 2 1/2"	
2 1/2" (HEIGHT OF FR. BRACKET)	
18" 0"	

EQUIPMENT NUMBER	
(B+D) x L	33 000.0
POOP	3/4 x 38.75 x 7.75
BRIDGE	3/4 x 121.0 x 7.75
FILE	3/4 x 42.5 x 7.5
DK HOUSE	3/4 x (63.25 x 27.5) x 7.75
EQUIPMENT NO.	35.31.2.3
EQUIPMENT AS PER RULE	

FORGING & CASTINGS	
STEM	10 1/2" x 2 1/2" ROLLED STEEL
STERN FRAME	CAST STEEL WITH APERTURE AS PER PLAN
RUDDER	FORGED STEEL SINGLE PLATE TYPE 1 AS PER PLAN

FRAMINGS	
FRAME SPACE	24 IN BOTH PEAKS
	27 FROM FORWARD OF 3/4 L TO COL BND
	33 IN OTHERS
IN PEAKS	8" x 3 1/2" x 50" B.A.
IN WAY OF 33 F.S.	8" x 3 1/2" x 52" B.A. WITH REVERSE FRAME
IN WAY OF 27 F.S.	8" x 3 1/2" x 50" B.A. WITH REVERSE FRAME
IN WAY OF TUNNEL	8" x 3 1/2" x 50" B.A. WITH REVERSE FRAME
RECESS	3 1/2" x 3 1/2" x 40" TO 2ND DK

RIVETING	
END CONNECTION	IN WAY OF BRIDGE
FLAT KEEL PLATE	LAPPED & 4R (3R FOR 7/8" & UNDER)
BOTTOM PLATING (A-E)	4R (3R FOR 6/8" & UNDER)
SIDE (E-F)	3R (2R FOR 6/8" & UNDER)
STRAKE BELOW (L)	4R (3R FOR 6/8" & UNDER)
SHEER STRAKE (M)	5R (3R FOR 6/8" & UNDER)
STRAKE BELOW (N)	LAPPED & 4R
BRIDGE SHEER STRAKE (O)	3R (2R FOR 6/8" & UNDER)
TANK TOP ML STRAKE	3R (2R FOR 6/8" & UNDER)
TANK TOP PLATE	1R
MARGIN PLATE	3R
CENTRE GIRDER PLATE	3R
BRIDGE DECK STRINGER PL	3R
PLATE	4R (3R FOR 6/8" & UNDER)
UPPER DK STRINGER PL	4R (3R FOR 6/8" & UNDER)
PLATE	2R (1R FOR 4/8" & UNDER)
2ND DK STRINGER PL	3R
PLATE	2R
BOSS PLATE	4R
FILE DK SIDE PLATE	2R
STRINGER PL	2R
PLATE	1R
POOP DK SIDE PLATE	2R
STRINGER PL	2R
PLATE	1R

EDGE CONNECTION	
SHELL LANDING	2R ALL FORE & AFT INCLUDING SHEER STRAKE
TANK TOP ML STRAKE	2R ALL FORE & AFT
TANK TOP PL & MARGIN PL	1R
DK STRINGER PL TO DK PL	1R
DK PLATE TO DK PLATE	1R

FRAME TO SHEER CONNECTION	
PITCH	DIA OF RIVET
IN F & A PEAK TANKS	5/16
AT 33 F.S. FROM FORWARD OF 3/4 L	5/16
AT 27 & 24 F.S.	5/16
REVERSE FRAME TO TANK TOP CONNECTION	5/16
IN WAY OF 33 F.S.	5/16
OTHERS	7/16
BEAM TO DK CONNECTION	
IN WAY OF 33 F.S.	5/16
BEAM TO ALT FRAME	5/16
OTHERS	7/16
FRAME TO REVERSE FRAME CONNECTION	
IN WAY OF 33 F.S.	5/16
OTHERS	7/16

POOP & FORECASTLE DK	
POOP DK	FILE DK
BEAM	8" x 3 1/2" x 50" B.A.
KNEE	21" x 42"
STRINGER PL	35" x 36"
ANGLE	35" x 35" x 38"
SIDE PLATING	36"
STEEL DK	30"
WOOD DK	NO WOOD PLANK

BRIDGE DK	
BEAM	EVERY FRAME 8" x 3 1/2" x 50" B.A. (2 ROW SIZE)
KNEE	24" x 44"
STRINGER PL	55" x 54"
ANGLE	5" x 5" x 70"
STEEL DK	32"
WOOD DK	NO WOOD PLANK

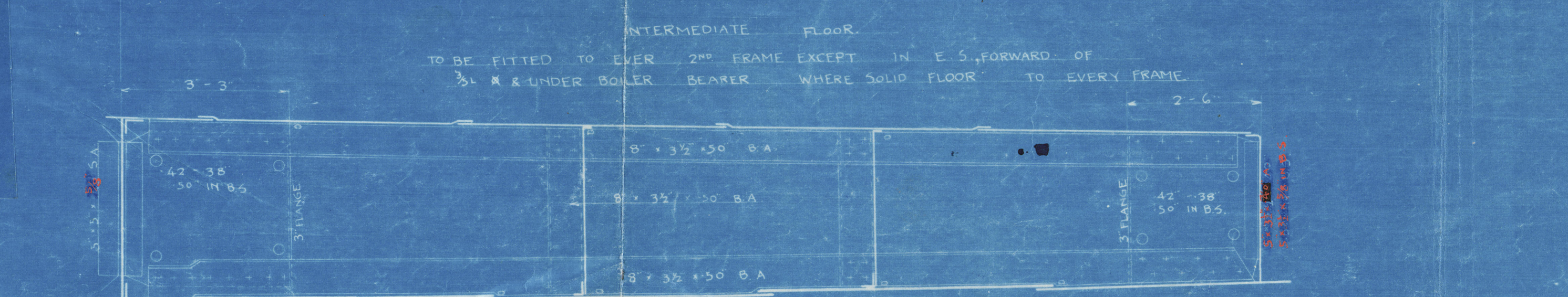
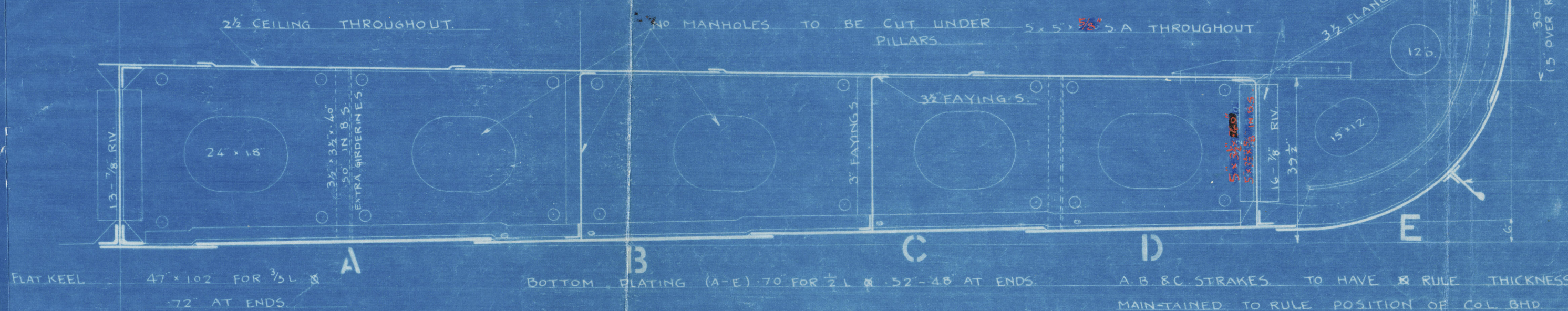
UPPER DK	
BEAM	EVERY FRAME 8" x 3 1/2" x 54" B.A. (2 ROW SIZE)
KNEE	25" x 44"
STRINGER PL	61" x 66" FOR 1/2 L & 35" x 44" AT ENDS
ANGLE	48" IN WAY OF BRIDGE
STRINGER A	5" x 5" x 70" FOR 1/2 L & 35" x 44" AT ENDS
STEEL DK	32" FOR 1/2 L & 38" x 34" AT ENDS
WOOD DK	NO WOOD PLANK

2ND DK	
BEAM (33 F.S.)	EVERY FR. 8" x 3 1/2" x 50" B.A. (2 ROW SIZE)
KNEE (33 F.S.)	28" x 50"
STRINGER PL	47" x 48" FOR 1/2 L & 35" x 44" AT ENDS
ANGLE	4" FLANGE OF STRINGER PLATE 35" x 44" AT ENDS
STEEL DK	36" FOR 1/2 L & 38" AT ENDS
WOOD DK	NO WOOD PLANK

DOUBLE BOTTOM	
FOR 1/2 L & AT ENDS	IN B.S.
CENTRE GIRDER	43" x 50"
SIDE GIRDER	40"
TOP ANGLE	5 1/2" x 3 1/2" x 40"
VERT. ANGLE	"
BOTTOM ANGLE	"
FLOOR PLATE	40"
SOLID FLOOR	36"
FRAME ANGLE	3 1/2" x 3 1/2" x 40"
REVERSE ANGLE	"
FRAME OF ML STRAKE	43" x 50"
TANK TOP PL	44"
MARGIN PLATE	35" x 50"
ANGLE	4" x 4" x 50"
CENTRE GIRDER	5" x 5" x 70"
BOTTOM ANGLE	"
TOP ANGLE	"
VERT. ANGLE	"

FRAME BRACKET 47" FOR 1/2 L & 38" x 36" AT ENDS 50" IN B.S.

GUSSET ANGLE 3 1/2" x 3 1/2" x 40" 50" IN B.S. FITTED TO EVERY FR. AT 33 F.S. TO EVERY 2ND FR. AT 27 F.S.



5/s "Malacca Maru"
(Kobe Mitsubishi Hull 91.)

Midship Section
of vessel as built

Report No. 2869.

Plans transferred to

D/S 33

Permanente Cement

Dis 33
EX Santacrugement
EX Pacific Cedar
EX Eastern Victor

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