

YARD N<sup>o</sup> 582 & 614.  
PROPOSAL N<sup>o</sup> 5133 & MIDSHIPSECTION.

SCALE 1/2" = 1 FT.

LENGTH BETW P.P.	= 390'-0"
LLOYD'S LENGTH (L.P.P. + CRUISER STERN)	= 390'-0"
BREADTH MOULD.	= 54'-0"
DEPTH -- TO 2 <sup>nd</sup> DECK	= 28'-4"
DEPTH -- -- UPPER DECK	= 36'-10"

N.B. ALL BULBANGLE SECTIONS ARE NEW BRITISH STANDARDS OF 1924.

SINGLE SCREW CARGO SHIP.  
VESSEL BUILT TO CLASS: LLOYD'S 100A1 WITH FREEBOARD.  
AS COMPLETE SUPERSTRUCTURE SHIP WITH TONNAGE  
OPENING AFT. DEEP WATER BALLAST TANK SEE PROFILE.  
DOUBLE BOTTOM ARRANGED TO CARRY WATERBALLAST  
AND OIL FUEL BUNKERS  
OIL FUEL OF A FLASHPOINT ABOVE 150° FAHR.  
SCANTLING NUMBERS FOR YARD 582.

SCANTLING NUMBERS FOR YARD 614.

$D = 36.33$   
 $L \times D = 390 \times 36.33 = 14169$   
 $L \times (B + D) = 390 \times (54 + 36.33) = 35229$   
 $\frac{L}{D} = \frac{390}{36.33} = 10.595$   
 $d = (28.33 \div 350) \div \frac{7 \div 5.71}{2} = 24.18$

EQUIPMENT	YARD 582	YARD 614
BELOW UPPER DECK	35424	35424
HOUSES	338	338
FOOTCASTLE & POOP	430	430
EQUIPMENT N <sup>o</sup>	36192	36192

- 2 BOWER ANCHORS EACH 61 CWT. STOCKLESS  
1 -- -- AT 60 -- --  
1 STREAM -- -- 2 1/2" INCL. STOCK  
270 FATHOMS 2 1/2" STUD CHAIN CABLE  
90 -- 4 1/4" STEELWIRE  
120 -- 5 --  
2 HAWSEERS EACH 90 FATHOMS 8" HEMP OR 2 1/4" STEELWIRE  
2 WARPS -- 90 -- 7" -- 2 1/2" --

RIVETING.

- BUTTS OF KEEL PLATES OVERLAPPED AND QUAD. FOR 1/2" L TO TR. AT ENDS  
BUTTS OF STRAKES FROM KEELPLATE TO UPPER TURN OF BILGE TREBLE THROUGHOUT  
UPPER TURN OF BILGE TO STRAKE BELOW SHEERSTRAKE  
TREBLE THROUGHOUT  
BUTTS OF SHEER STRAKE AND STRAKE BELOW QUAD. FOR 1/2" L TO TR. AT ENDS  
SEAMS OF SHELL PLATING DOUBLE THROUGHOUT  
BUTTS OF CENTRE KEEL TREBLE THROUGHOUT  
MARGIN PLATE -- --  
TANK TOP CENTRE STRAKE TREBLE RIV. FOR 1/2" L TO DOUBLE AT ENDS  
REM. TANK TOP STRAKES DOUBLE THROUGHOUT  
SEAMS OF TANK TOP STRAKES -- BUT SINGLE WHERE CEILING  
BUTTS OF SHELTER DECK STRINGER PL. TREBLE THROUGHOUT  
PLATING DOUBLE FOR 1/2" L TO SINGLE AT ENDS  
SECOND DECK STRINGER PL. DOUBLE THROUGHOUT  
PLATING DOUBLE FOR 1/2" L TO SINGLE AT ENDS  
SEAMS OF UPPER SECOND DECK PLATING SINGLE THROUGHOUT  
RIVETING THROUGH SIDE FRAMES SHELL 7/8" RIV. 6" DIAM. APART  
BOTTOM FRAMES -- 7/8" -- 7 --  
BEAMS TO DECK 7 --  
BOTTOM AND REVERSE FR. TO FLOORS AND TANK TOP 7 DIAM. APART  
BOTTOM FR. TO FLOORS AND SHELL IN FLAT OF BOTTOM FORM OF  
1/2" L FORM SPACED 5" DIAM. IN EACH ROW.  
SHELL FLANGE OF FRAMES IN FORE AND AFT PEAKS AND SIDE TANKS  
5" DIAM. APART. SAME IN DEEP WATER BALLAST TANK.  
FLOOR FLANGE OF FRAMES IN AFT PEAK 5" DIAM. APART.

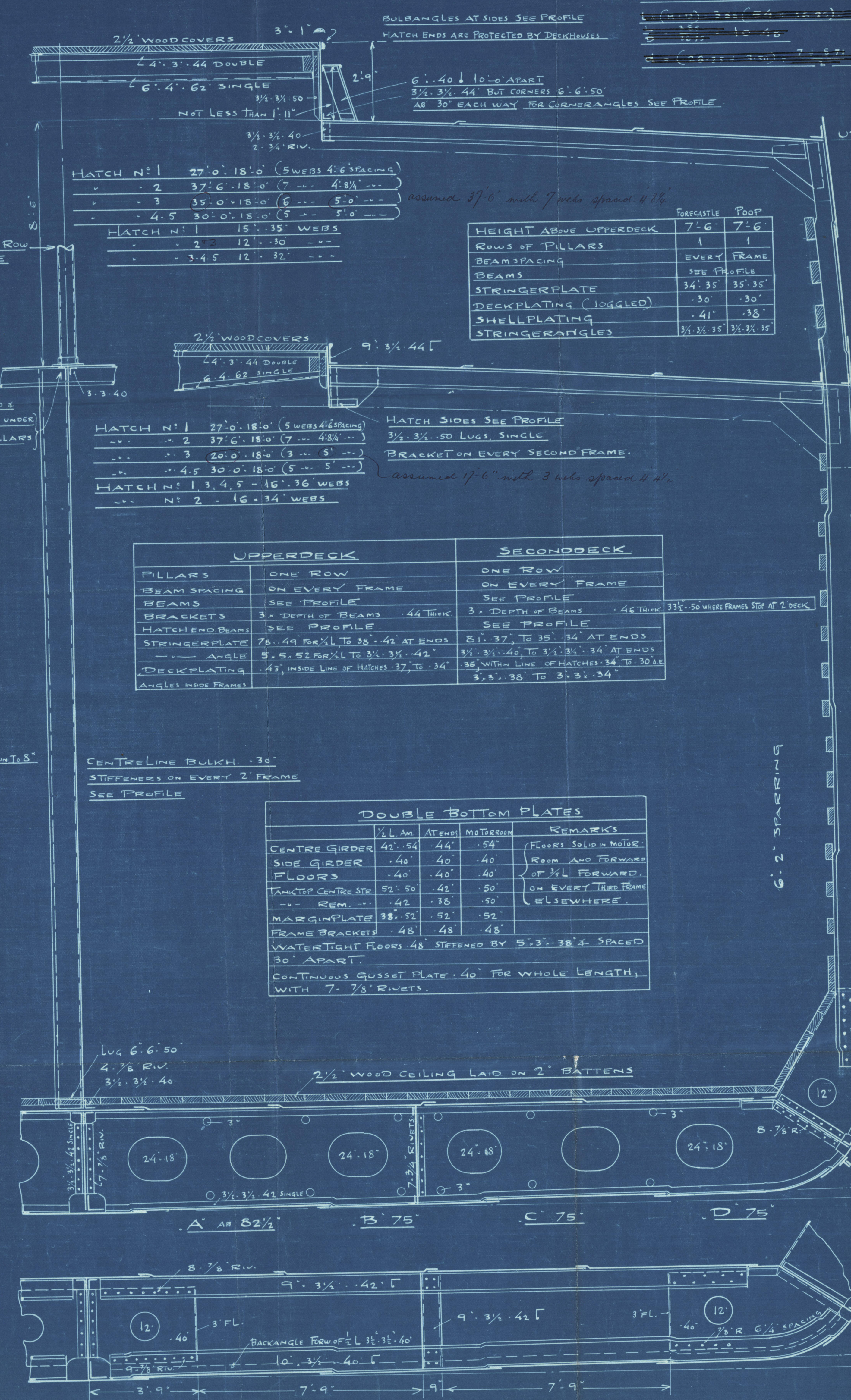
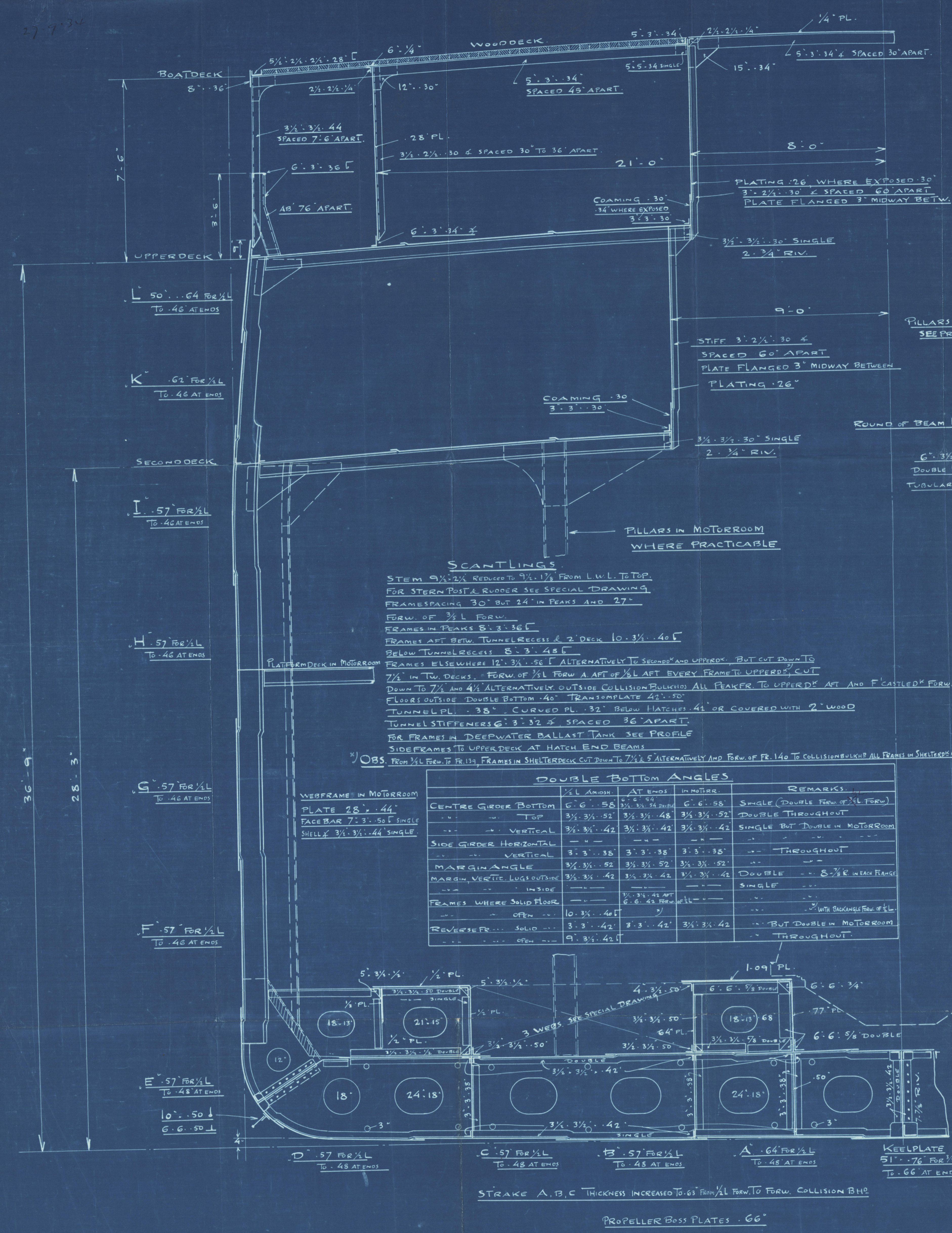
CORRECTED IN ACCORDANCE WITH APPROVED COPY OF  
THIS PLAN FROM LLOYD'S REGISTER OF SHIPPING  
DATE 12.9.23

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COPENHAGEN DATE:  
AKTIEBELSKABET  
BURNSTEDT & WILHELMSEN OG SØNDERSØ  
1923

APPROVED BY  
BURNSTEDT & WILHELMSEN  
1923  
5.9.1933  
1/2" = 1'-0"



W172-0174



SCANTLING.  
STEM 9 1/4" x 2 1/4" REDUCED TO 7 1/2" x 1 1/2" FROM L.W.L. TO TOP.  
FOR STERN POST & RUDDER SEE SPECIAL DRAWING.  
FRAMES PEARLS 30" BUT 24" IN PEAKS AND 27"  
FORM OF 3/4" L FORM.  
FRAMES IN PEAKS 8" x 3 1/2" x 36"  
FRAMES AFT BTW. TUNNEL RECESS & 2<sup>nd</sup> DECK 10" x 3 1/2" x 40"  
BELOW TUNNEL RECESS 8" x 3 1/2" x 40"  
FRAMES ELSEWHERE 12" x 3 1/2" x 56" ALTERNATIVELY TO SECOND DECK AND UPPER DECK, BUT CUT DOWN TO  
7 1/2" IN TW. DECK. FORM OF 3/4" L FORM AFT OF 1/2" L AFT EVERY FRAME TO UPPER DECK, CUT  
DOWN TO 7 1/2" AND 4 1/4" ALTERNATIVELY OUTSIDE COLLISION BULKHEAD ALL PEAKS TO UPPER DECK AFT AND F. CASTLED FORM  
FLOORS OUTSIDE DOUBLE BOTTOM 40" TRANSOM PLATE 42" x 50"  
TUNNEL PL. 38" CURVED PL. 32" BELOW HATCHES 41" OR COVERED WITH 2" WOOD  
TUNNEL STIFFENERS 6" x 3 1/2" x 36" SPACED 36" APART.  
FOR FRAMES IN DEEP WATER BALLAST TANK SEE PROFILE  
SIDE FRAMES TO UPPER DECK AT HATCH END BEAMS  
OBS. From 1/2" L Form to FR 13, FRAMES IN SHELTER DECK CUT DOWN TO 7 1/2" x 5" ALTERNATIVELY AND FORM OF FR 14 TO COLLISION BULKHEAD ALL FRAMES IN SHELTER DECK CUT DOWN TO 8"

DOUBLE BOTTOM ANGLES			
	1/2" L AM.	AT ENDS	REMARKS
CENTRE GIRDER BOTTOM	6" x 6" x 56"	3 1/2" x 3 1/2" x 56"	SINGLE (DOUBLE FORM OF 3/4" L FORM)
TOP	3 1/2" x 3 1/2" x 52"	3 1/2" x 3 1/2" x 48"	DOUBLE THROUGHOUT
VERTICAL	3 1/2" x 3 1/2" x 42"	3 1/2" x 3 1/2" x 42"	SINGLE BUT DOUBLE IN MOTOR ROOM
SIDE GIRDER HORIZONTAL	3" x 3" x 36"	3" x 3" x 36"	THROUGHOUT
VERTICAL	3" x 3" x 36"	3" x 3" x 36"	THROUGHOUT
MARGIN ANGLE	3 1/2" x 3 1/2" x 52"	3 1/2" x 3 1/2" x 52"	DOUBLE -- 8 1/2" R. IN EACH RANGE
MARGIN VERTICAL LUGS OUTSIDE	3 1/2" x 3 1/2" x 42"	3 1/2" x 3 1/2" x 42"	SINGLE
INSIDE	3 1/2" x 3 1/2" x 42"	3 1/2" x 3 1/2" x 42"	SINGLE
FRAMES WHERE SOLID FLOOR	10" x 3 1/2" x 40"	10" x 3 1/2" x 40"	WITH OIL TIGHTNESS OF 1/2" L
OPEN	10" x 3 1/2" x 40"	10" x 3 1/2" x 40"	WITH OIL TIGHTNESS OF 1/2" L
REVERSE FR. SOLID	3" x 3" x 42"	3" x 3" x 42"	BUT DOUBLE IN MOTOR ROOM
OPEN	3" x 3" x 42"	3" x 3" x 42"	THROUGHOUT

UPPER DECK		SECOND DECK	
PILLARS	ONE ROW ON EVERY FRAME	ONE ROW ON EVERY FRAME	ONE ROW ON EVERY FRAME
BEAM SPACING	SEE PROFILE	SEE PROFILE	SEE PROFILE
BEAMS	SEE PROFILE	SEE PROFILE	SEE PROFILE
BRACKETS	3" x 3" x 40" DEPTH OF BEAMS 44" THICK	3" x 3" x 40" DEPTH OF BEAMS 44" THICK	3" x 3" x 40" DEPTH OF BEAMS 44" THICK
HATCH END BEAMS	SEE PROFILE	SEE PROFILE	SEE PROFILE
STRINGER PLATE	78" x 49" FOR 1/2" L TO 38" x 42" AT ENDS	81" x 37" TO 35" x 34" AT ENDS	81" x 37" TO 35" x 34" AT ENDS
ANGLE	5" x 5" x 52" FOR 1/2" L TO 3 1/2" x 3 1/2" x 42"	3 1/2" x 3 1/2" x 40" TO 3 1/2" x 3 1/2" x 34" AT ENDS	3 1/2" x 3 1/2" x 40" TO 3 1/2" x 3 1/2" x 34" AT ENDS
DECK PLATING	42" x 52" INSIDE LINE OF HATCHES 37" x 34"	36" WITHIN LINE OF HATCHES 34" x 30"	36" WITHIN LINE OF HATCHES 34" x 30"
ANGLES INSIDE FRAMES	42" x 52" INSIDE LINE OF HATCHES 37" x 34"	36" WITHIN LINE OF HATCHES 34" x 30"	36" WITHIN LINE OF HATCHES 34" x 30"

DOUBLE BOTTOM PLATES			
	1/2" L AM.	AT ENDS	REMARKS
CENTRE GIRDER	42" x 54"	44" x 54"	FLOORS SOLID IN MOTOR ROOM AND FORWARD
SIDE GIRDER	42" x 54"	44" x 54"	FLOORS SOLID IN MOTOR ROOM AND FORWARD
FLOORS	42" x 54"	44" x 54"	ON EVERY THIRD FRAME
TANK TOP CENTRE STRAKE	52" x 50"	42" x 50"	ELSEWHERE
REM.	42" x 50"	42" x 50"	ELSEWHERE
MARGIN PLATE	38" x 52"	42" x 52"	ELSEWHERE
FRAME BRACKETS	48" x 48"	48" x 48"	ELSEWHERE
WATER TIGHT FLOORS	48" x 48"	48" x 48"	STIFFENED BY 5 1/2" x 3 1/2" x 36" SPACED 30" APART.
CONTINUOUS GUSSET PL.	40" x 40"	40" x 40"	FOR WHOLE LENGTH, WITH 7" x 7/8" RIVETS.

STRAKE A, B, C THICKNESS INCREASED TO 65" FROM 1/2" L FORM TO FORM COLLISION BULKHEAD

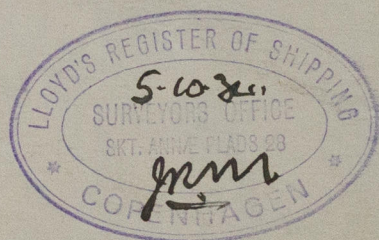
PROPELLER BOSS PLATES 60"



MIDSHIP SECTION.

YARD N<sup>o</sup> 614.

MESSRS BURMEISTER & WAIN.



dt/s. "Flægt Carrier".

Extr. Repat No. 96 99.

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