

11-7-19.

# SCANTLING SECTION. SINGLE SCREW CARGO STEAMER.

SCALE  $\frac{1}{2}$ " = 1 FOOT.

TO CLASS 100A1 AT LLOYDS.

Modified in Blue as built

ALB

AGB

PRINCIPAL DIMENSIONS		
LENGTH B.P.	180'-0"	
BREADTH M <sup>LD</sup>	29'-3"	
DEPTH (TO MAIN DECK)	13'-6"	
TO RAISER OR DECK	17'-0"	

## LLOYDS NUMERALS

LONGITUDINAL N° IN WAY OF MAIN DECK	L x (B+D) =	7695
TRANSVERSE N°	(B+D)	12.75
PROPORTION	L/D	13.33
RAISED QUARTER DECK	L/D	10.58
d (Quarter Deck)	$14'-6" - 9\frac{1}{2}" =$	13'-7 $\frac{1}{2}"$
d (Main Deck)	$10'-8" - 9\frac{1}{2}" =$	10'-11 $\frac{1}{2}"$
d (Single Bottom)	$17'-0" - 1'-7" =$	15'-5"

EQUIPMENT N°		7695
LONGITUDINAL N°		
RAISED QUARTER DECK	14' x 3'5"	397.398
FORECASTLE	24'0" x 7'5" x 3"	135
BRIDGE	14'0" x 7'5" x 3"	61
ENGINE & BOILER CASING	47'6" x 7'5" x 3"	178

EQUIPMENT		J	COLLECTIVE WEIGHT
2 BOWERS STOCKLESS	16 $\frac{3}{4}$ CWTs		48 CWTs
1 BOWER	14 $\frac{1}{2}$		
1 STREAM ANCHOR (EX STOCK)	4 $\frac{3}{4}$		
1 KEDGE	2 $\frac{1}{4}$		
210 FATHS 1 $\frac{1}{2}$ "	STUD LINK CABLE		
60 - 3"	STEEL WIRE	OR 1 $\frac{1}{2}$ " STUD LINK CHAIN	
75 - 2 $\frac{3}{4}$ "	TOWLINE	OR 8 $\frac{1}{2}$ " HEMP	
30 - 6"	HAWSER	OR 2 $\frac{1}{4}$ " STEEL WIRE	
90 - 4"	WARP	OR 1 $\frac{1}{4}$ "	

for determining d  
Height of tank side brackets  
Beam Joints  
allowance for large brackets =  $41" - 22" = 19" = 9\frac{1}{2}"$

## SECTION IN WAY OF RAISED QUARTER DECK

## SECTION IN WAY OF MAIN DECK

BUTTS OF DECK PLATING DOUBLE FOR  $\frac{1}{2}$  L TO SINGLE AT ENDS  
M<sup>N</sup> - STRINGER PLATES TREBLE  $\frac{1}{2}$  L TO DOUBLE  
RQ DE  
EDGE LAPS SINGLE THROUGHOUT

## BRIDGE DECK

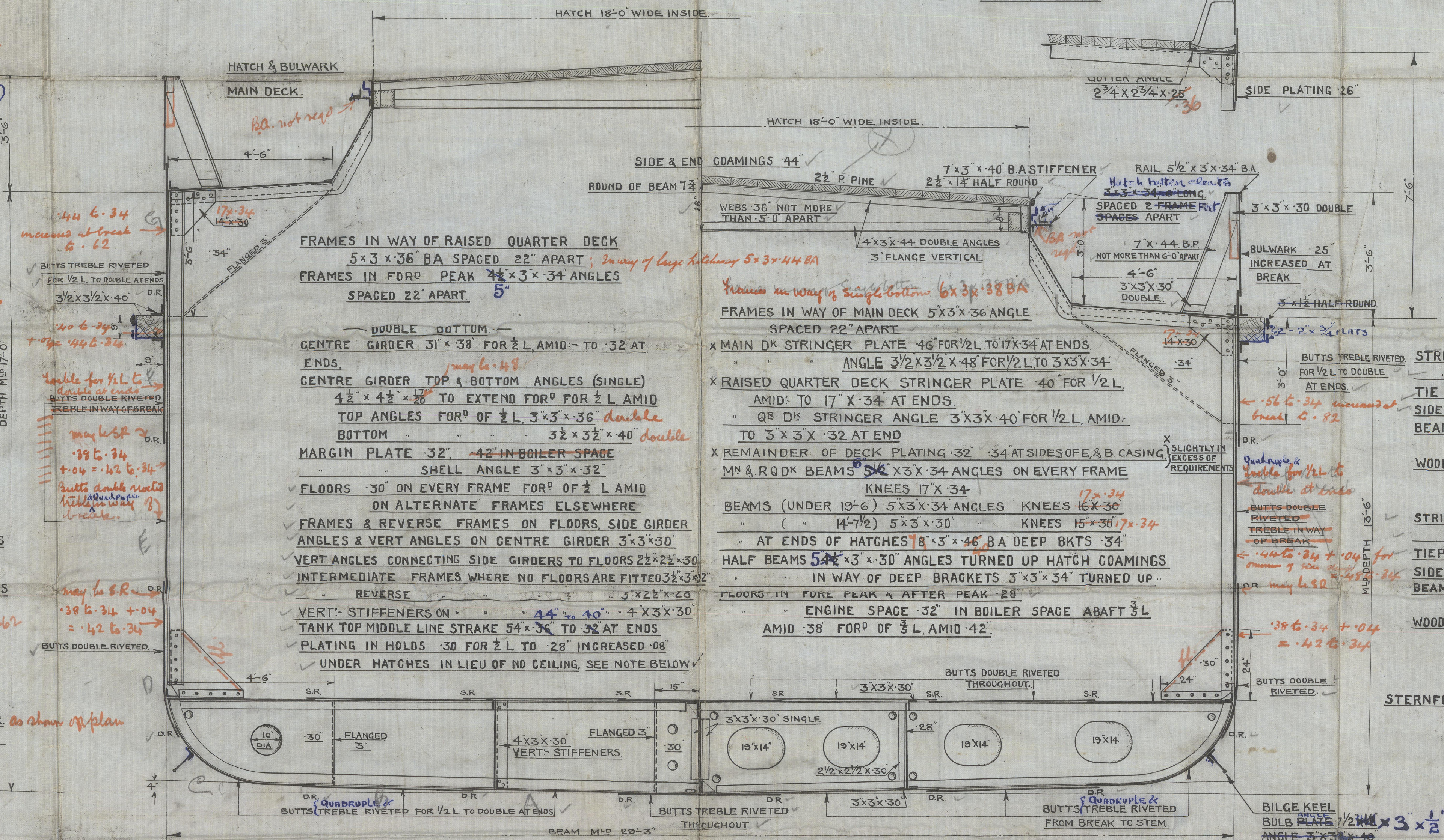
Side Bulwark Bld. Plating .30  
Stiffeners 6 x 3 x 38 BA at all frames.

After Peak Bld. presuming after Peak to be a tank (No Tank)  
Plating .266 x .40  
Lower Strake .30 x .40  
Stiffeners 7 x 3 x 40 BA spaced 24" apart.  
Boundary bars 5 x 3 x 42 3 x 3 x 42  
Deck bar 3 x 3 x 42

BULKHEADS -  
COLLISION BULKHEAD 32' LOWER STRAKE .36 .42 in lumber  
VERTICAL STIFFENERS 7 x 3 x 42 BA SPACED 24"  
BRACKETS 4 x 36  
BOUNDARY BAR 3 x 3 x 42 SINGLE along tank top deck base  
ENGINE & BOILER ROOM 4' BUNKER BULKHEAD 32' 26 x 30  
LOWER STRAKE 7 x 40  
VERTICAL STIFFENERS 7 x 3 x 42 BA SPACED 30"  
BRACKETS 4 x 40 6 x 2 x 38  
BOUNDARY BARS 3 x 3 x 40 SINGLE

OUTSIDE PLATING -  
KEEL PLATE 54 x 60 FOR  $\frac{1}{2}$  L AMID TO 48' AT ENDS  
FROM KEEL PLATE TO UPPER TURN OF BILGE 40' FOR  $\frac{1}{2}$  L  
AMID TO 36' AT ENDS (40 TO RULE POSITION OF COLLISION BH)  
FROM UPPER TURN OF BILGE TO STRAKE BELOW SHEERSTRAKE  
IN WAY OF MAIN DECK 42' FOR  $\frac{1}{2}$  L AMID TO 38' AT ENDS  
FROM UPPER TURN OF BILGE TO STRAKE BELOW SHEERSTRAKE  
IN WAY OF RAISED QUARTER DECK 42' FOR  $\frac{1}{2}$  L AMID TO 38' AT ENDS  
SHEERSTRAKE IN WAY OF MAIN DECK 54 x 56 FOR  $\frac{1}{2}$  L AMID  
TO 34' AT ENDS (INCREASED AT BREAK TO 70")  
\* STRAKE BELOW SHEERSTRAKE 44' FOR  $\frac{1}{2}$  L AMID TO 34' AT ENDS  
SHEERSTRAKE IN WAY OF RAISED QUARTER DECK 44 x 44  
FOR  $\frac{1}{2}$  L AMID TO 34' AT ENDS (INCREASED AT BREAK TO 58")  
\* STRAKE BELOW SHEERSTRAKE 44' FOR  $\frac{1}{2}$  L AMID TO 38' AT ENDS  
BOSS PLATES 40' BUTTS TREBLE RIVETED

\* THESE STRAKES ARE INCREASED .04 IN LIEU OF NO SIDE STRINGER  
TO BE .04 FORWARD IN LIEU OF NO PAINTING

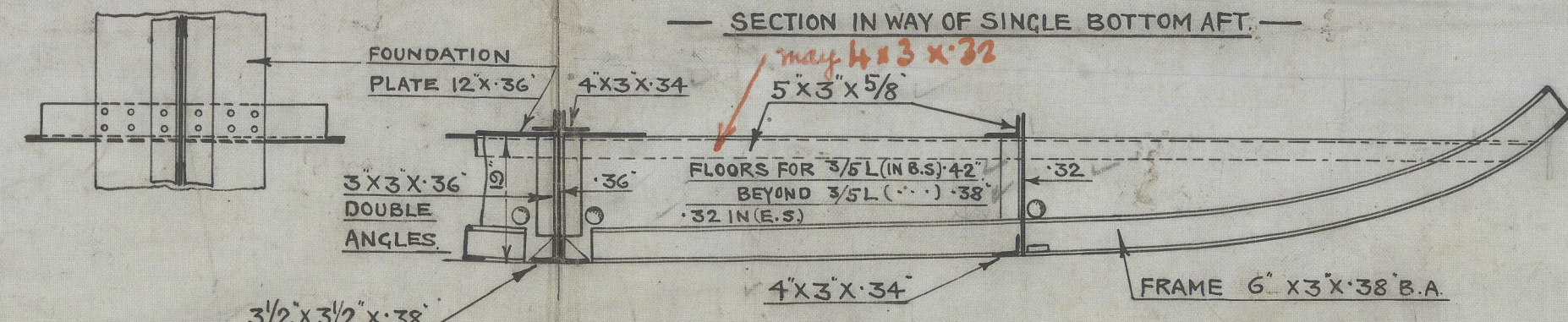


FORECASTLE DECK -  
STRINGER PLATE 17 x 26  
ANGLE 3 x 3 x 26  
TIE PLATES 7 x 26  
SIDE PLATING .26  
BEAMS ON EVERY FRAME 5 x 3 x 34  
KNEES 12 x 30  
WOOD DECK 5 x 2 x 34 PINE

BRIDGE DECK -  
STRINGER PLATE 32 x 26  
ANGLE 3 x 3 x 26  
TIE PLATES 7 x 26  
SIDE PLATING .26 STIFFENED IN WAY OF BREAK  
BEAMS ON EVERY FRAME 5 x 3 x 34  
KNEES 12 x 30  
WOOD DECK 5 x 2 x 34 PINE

FORGINGS -  
STEM 6 x 1 x 12  
STERNFRAME PROPELLER POST 6 x 4 x 4  
RUDDER 5 x 4 x 4

\* INTERMEDIATE REVERSE FRAMES & LARGE BRACKETS TO BE  
FITTED, & INNER BOTTOM PLATING INCREASED .04 IN LIEU OF  
ADDITIONAL SIDE GIRDER REQUIRED BY RULES FOR  
VESSEL OVER 28'-0" BREADTH



BUILDERS NOS 1545-7.



Mess<sup>rs</sup> J. S. White & Co  
Last Cowes I.W.

Midship Section  
Jards Nos 1545-6-7

S/S "BILSTON"

Law 10681

N.N. "COWRAINE"

N.N. BALLYHALBERT



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