

N° 1307<sup>g</sup>

RUDDER PLAN.

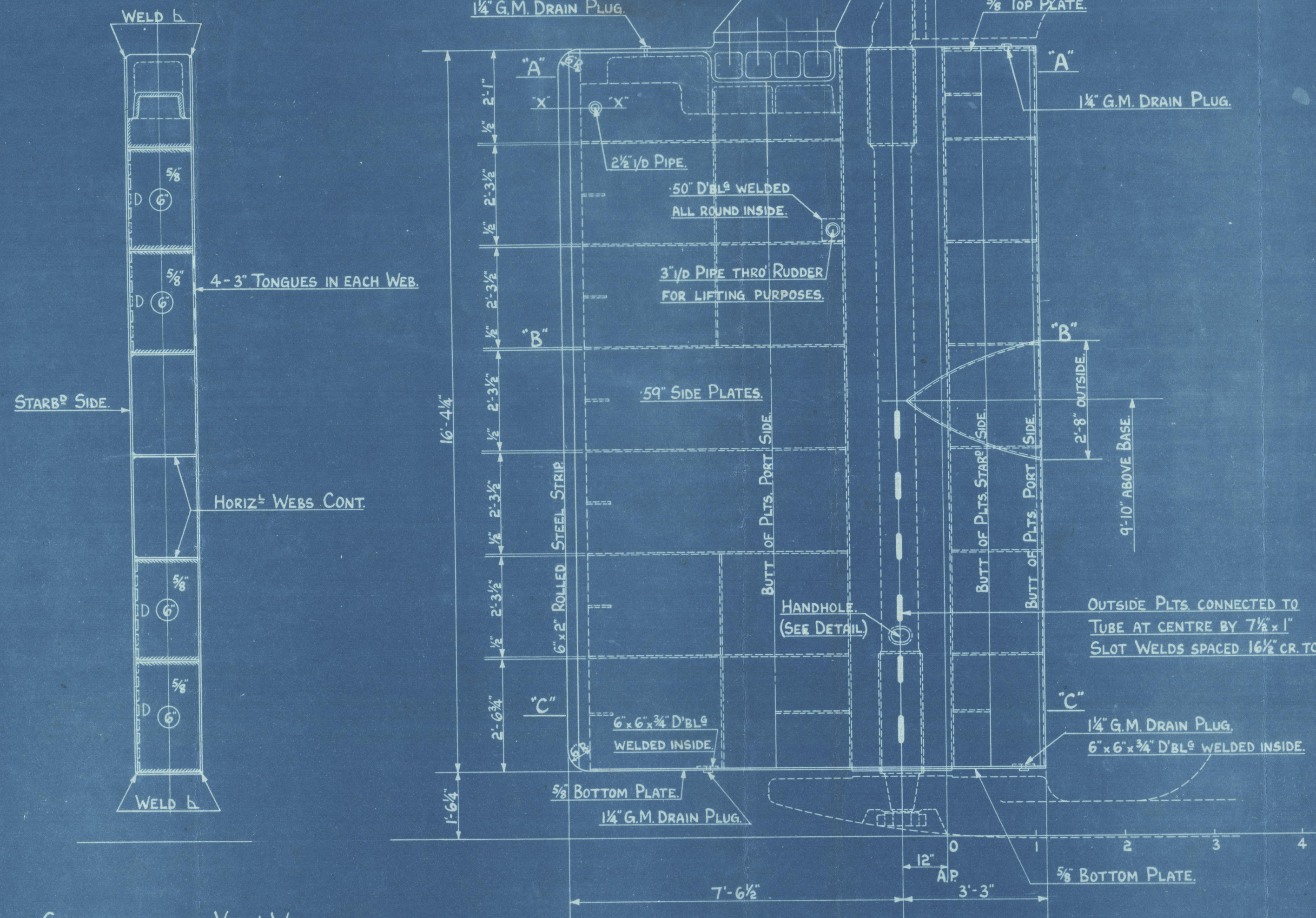
SCALES:- 1/2" = ONE FOOT. & AS MARKED

MATERIAL.  
RUDDER STOCK - FORGED INGOT STEEL.  
CASTING - CAST STEEL.  
BEARING - AS MARKED.  
ALL TO LLOYD'S TESTS & REQUIREMENTS.

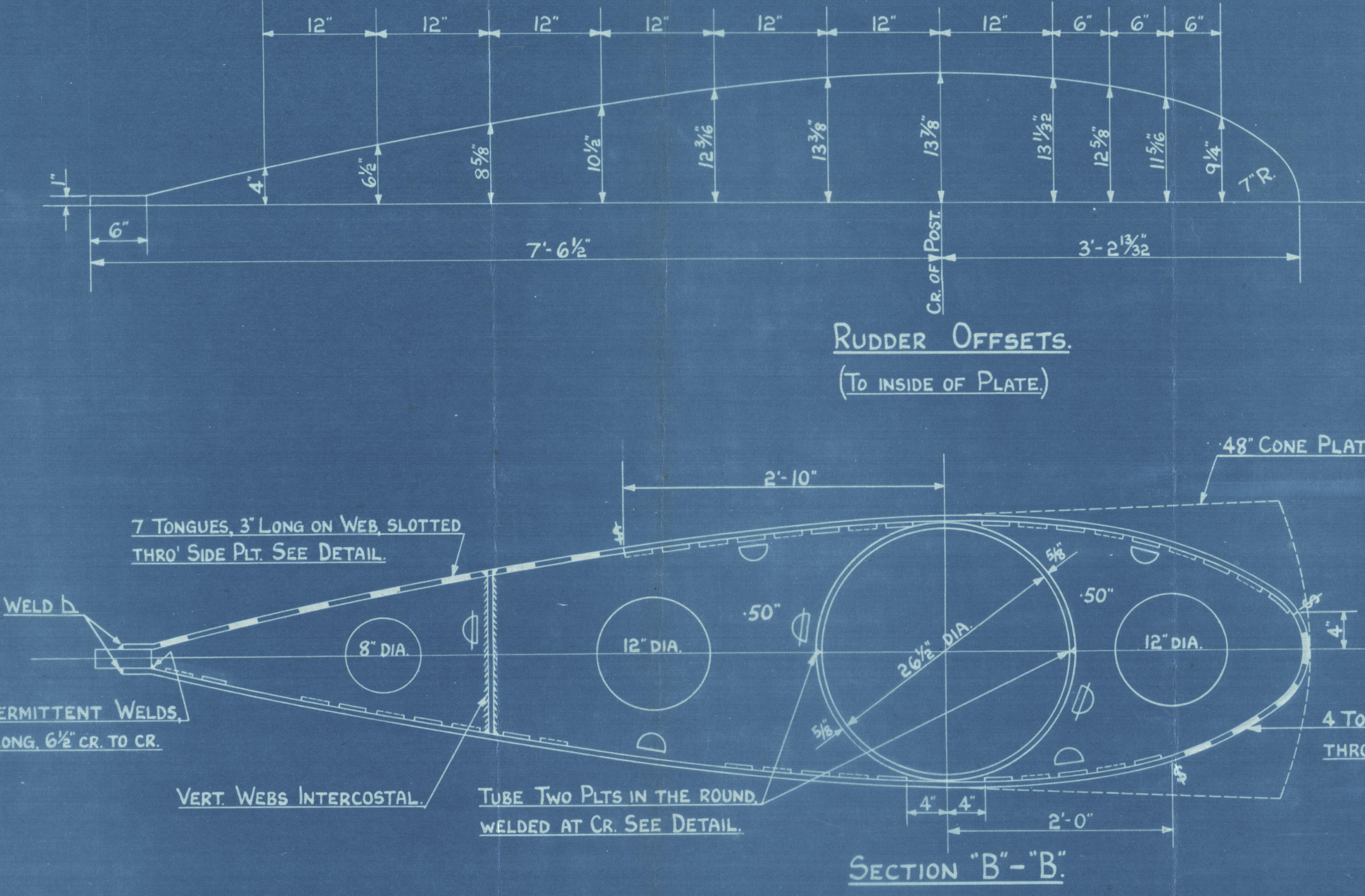
PARTICULARS.  
DIMENSIONS:- 463-0" x 61' 6" x 34'-0" MLD.  
LLOYD'S A x D = 384.  
SPEED OF VESSEL = 11 1/2 KNOTS.  
EFFECTIVE RUDDER AREA = 180 sq. FT.  
RUDDER ANGLE 37°  
RUDDER STOCK RULE DIA<sup>s</sup> (+ 10% FOR TANKERS) = 10 1/2"  
ACTUAL DIA<sup>s</sup> OF STOCK FITTED = 11"

CONTRACTORS TO SUPPLY FORGED INGOT STEEL RUDDER STOCK, COUPLING BOLTS & NUTS, RUDDER CASTING, & UPPER & LOWER BEARINGS.  
HOLE FOR LIFTING TO BE TAPPED IN RUDDER HEAD, & KEYWAYS CUT BY CONTRACTOR.  
SPECIAL CARE TO BE TAKEN TO ENSURE THAT RUDDER STOCK IS IN LINE WITH RUDDER POST.  
WELDING OF RUDDER TO BE CARRIED OUT TO LLOYD'S SATISFACTION.  
THE FOLLOWING PARTS (TINTED RED) TO BE MACHINED:- RUDDER STOCK, FACES OF COUPLING, RUDDER BEARINGS.  
INSIDE OF TUBE & RUDDER TO BE COATED WITH BITUMINOUS SOLUTION. OUTSIDE OF RUDDER - SEE SPECIFICATION.

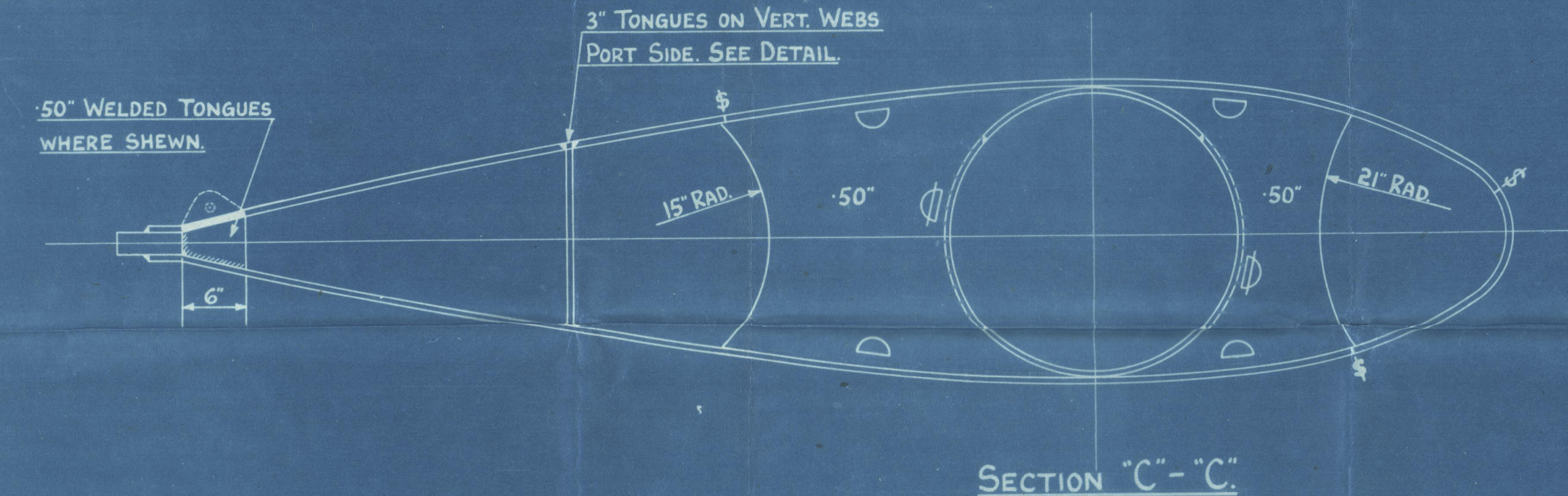
RUDDER TO BE TESTED TO A PRESSURE OF 14 LBS/SQ. INCH.



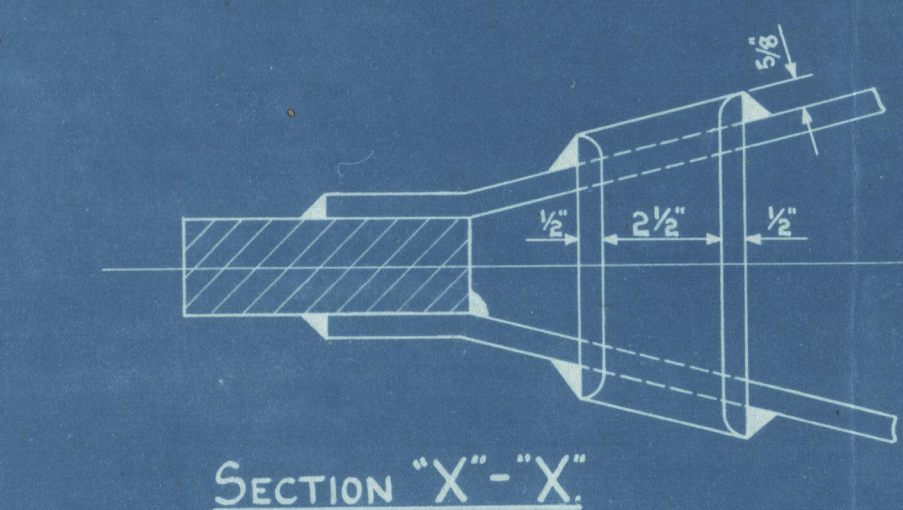
SECTION SHEWING VERT<sup>l</sup> WEBS.



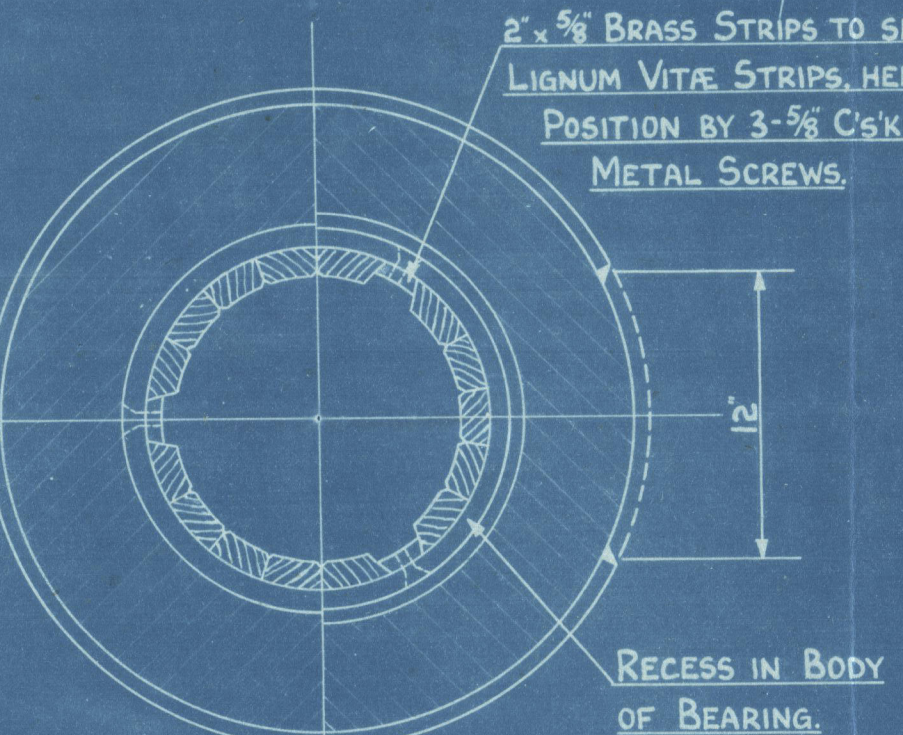
SECTION "B"- "B"



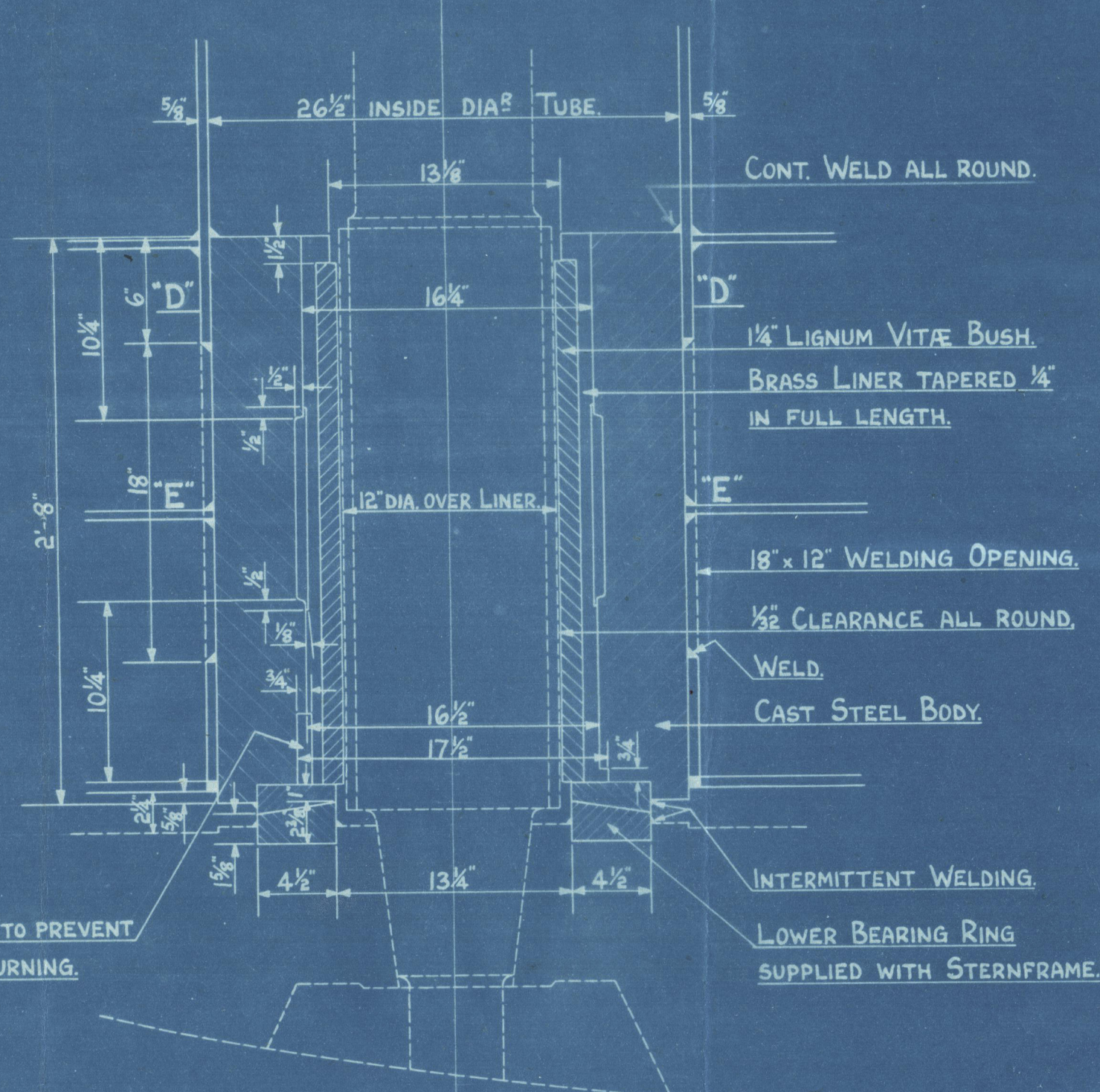
SECTION "C"- "C"



SECTION "X"- "X"



1/2" SECTION "D"- "D" 1/2" SECTION "E"- "E"



DETAIL OF LOWER BEARING.

SCALE:- 1/2" = 1 FOOT.

WELDING.  
FULL THROAT INTERMITTENT WELDING ON ALTERNATE SIDES WHERE MARKED  
FULL THROAT WELDING BOTH SIDES CONTINUOUS WHERE MARKED  
FULL THROAT WELDING ONE SIDE CONTINUOUS WHERE MARKED

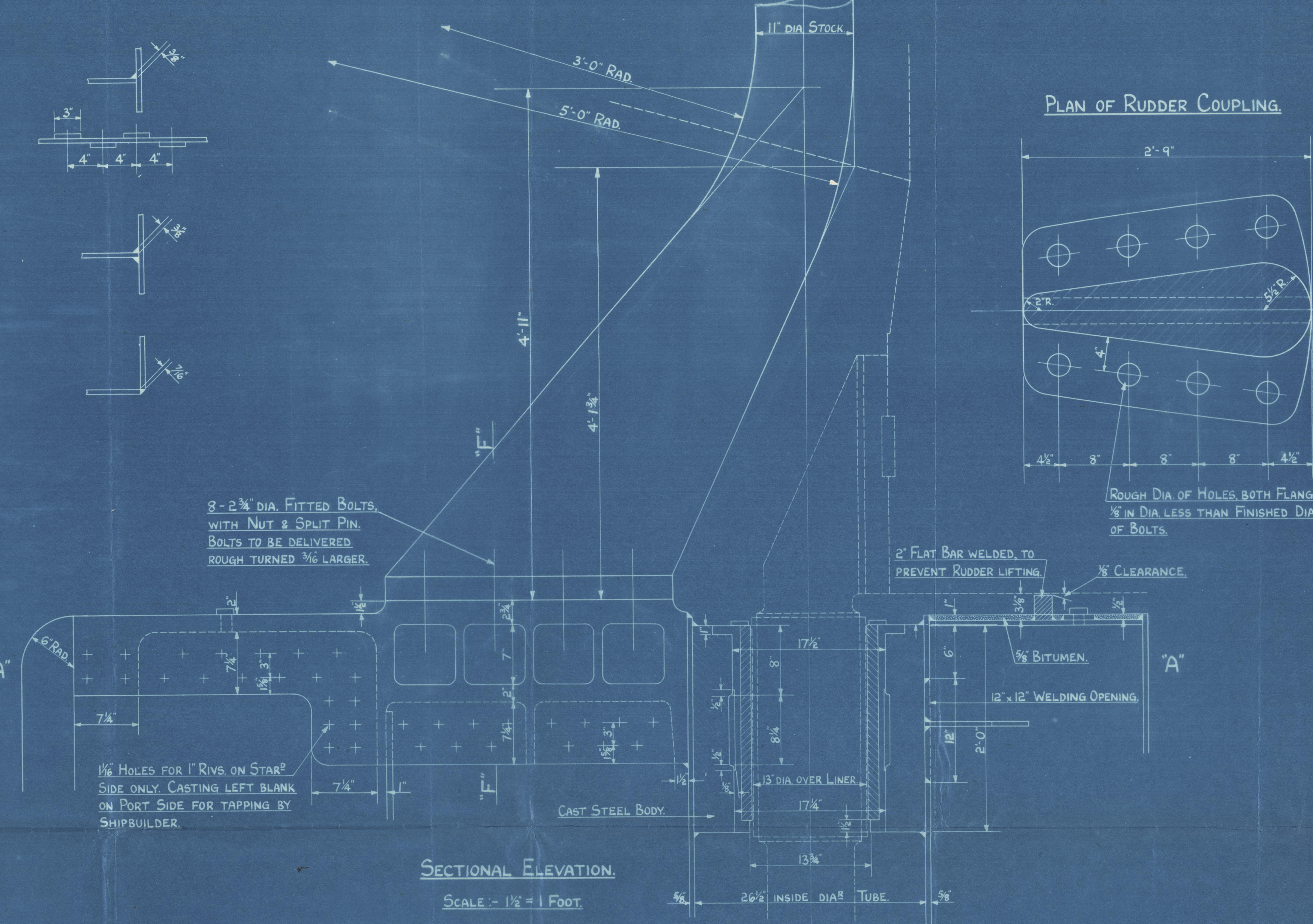
WELDING OF TUBE & OUTSIDE PLATES.

DETAIL OF HANDHOLE.

WELDING OF TONGUES.

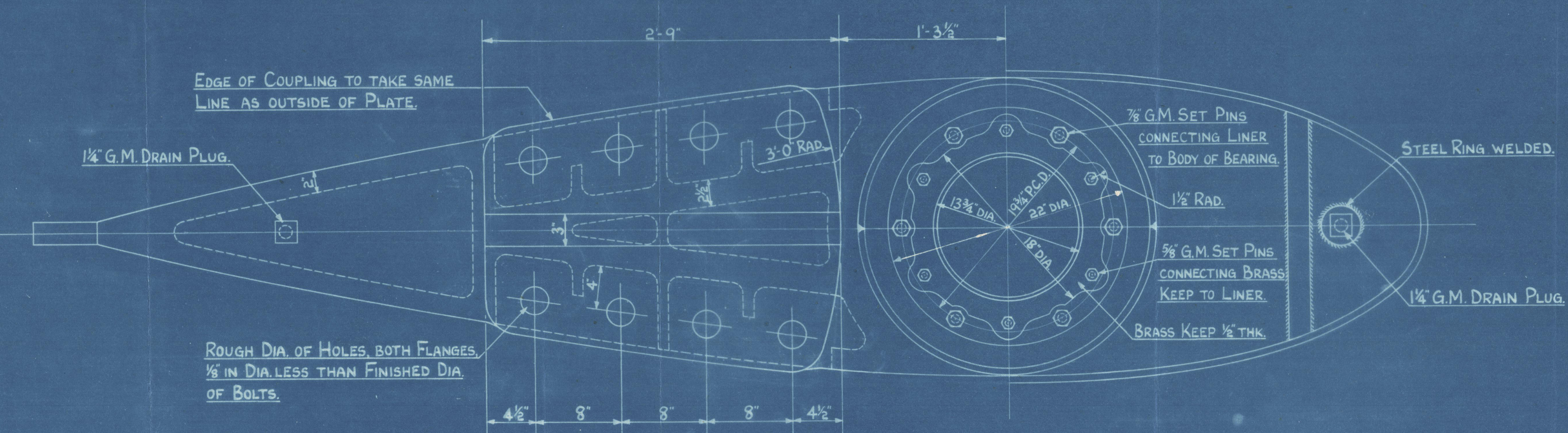
ELEVATION.

SECTION.

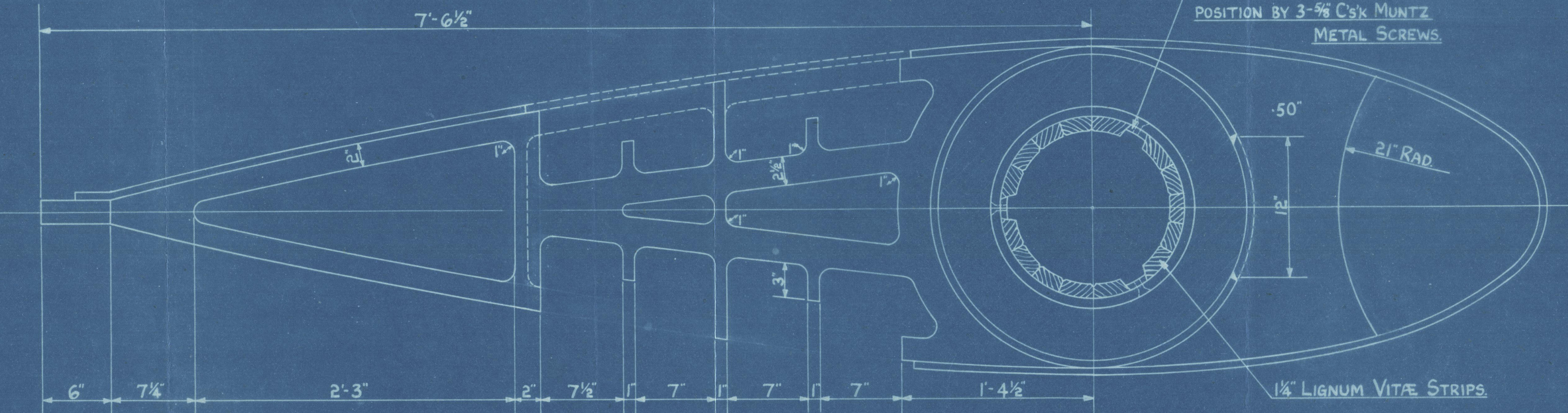


SECTIONAL ELEVATION.

SCALE:- 1/2" = 1 FOOT.

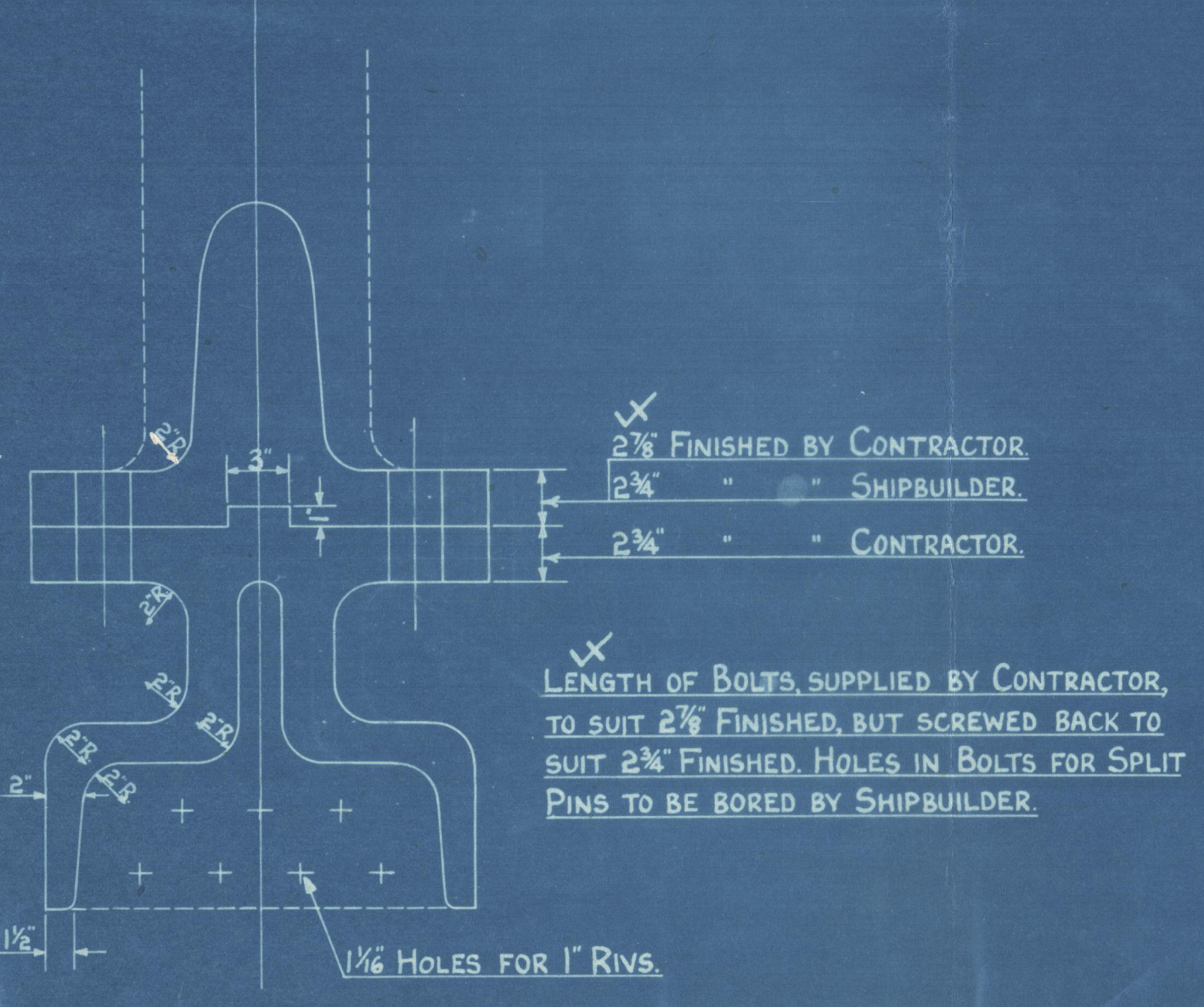
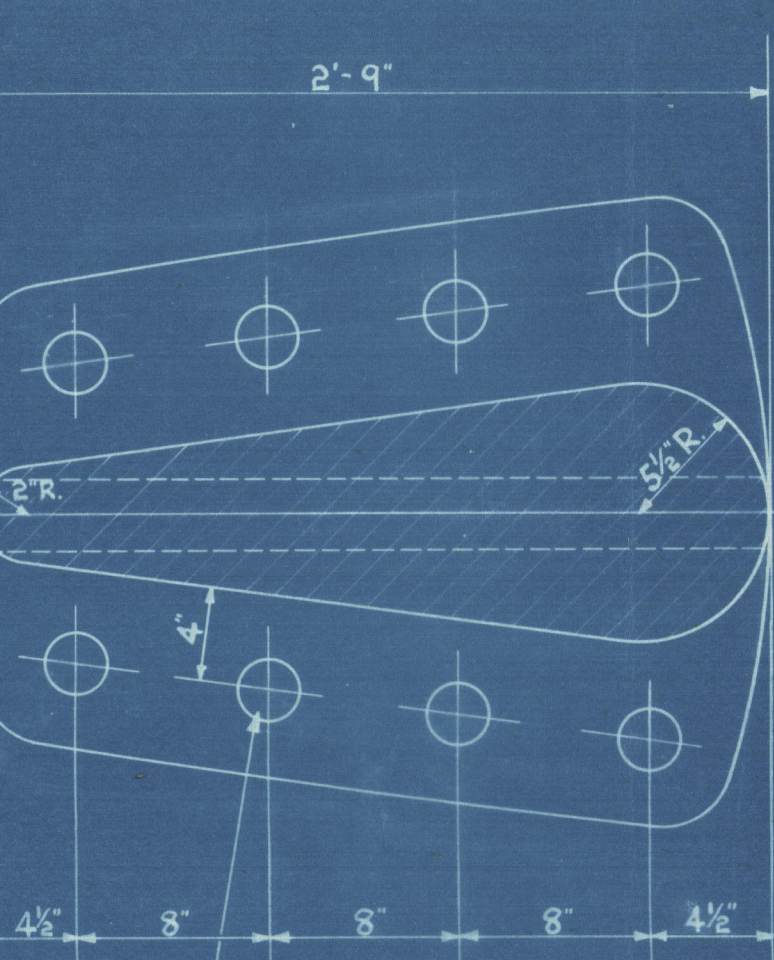


PLAN VIEW.



SECTION "A"- "A"

PLAN OF RUDDER COUPLING.




SECTION "F"- "F"



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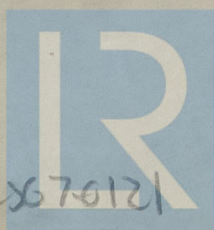
HARLAND & WOLFF'S  
Nº 13074.

"RUDDER PLAN"  British Knight

<sup>For</sup>  
GLASGOW REPORT No. 70969.

GLASGOW REPORT No. 71094

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