

SHIPS    Nos    82-3

BALANCED    RUDDER

SCALES :- AS MARKED

DIMENSIONS— 460'-0" x 59'-0" x 34'-0" (TO UPPER DECK)

SPEED OF VESSEL 12 KNOTS

RUDDER ANGLE (MAX)  $35^\circ$

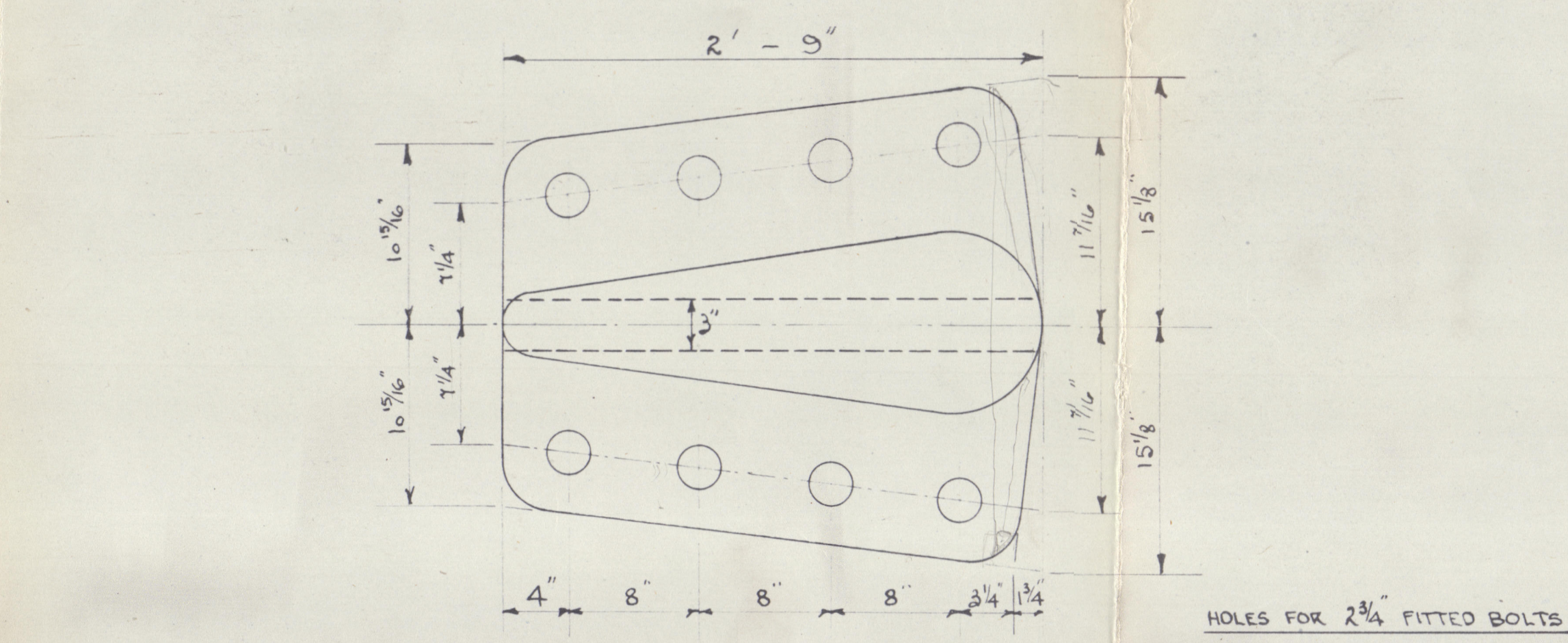
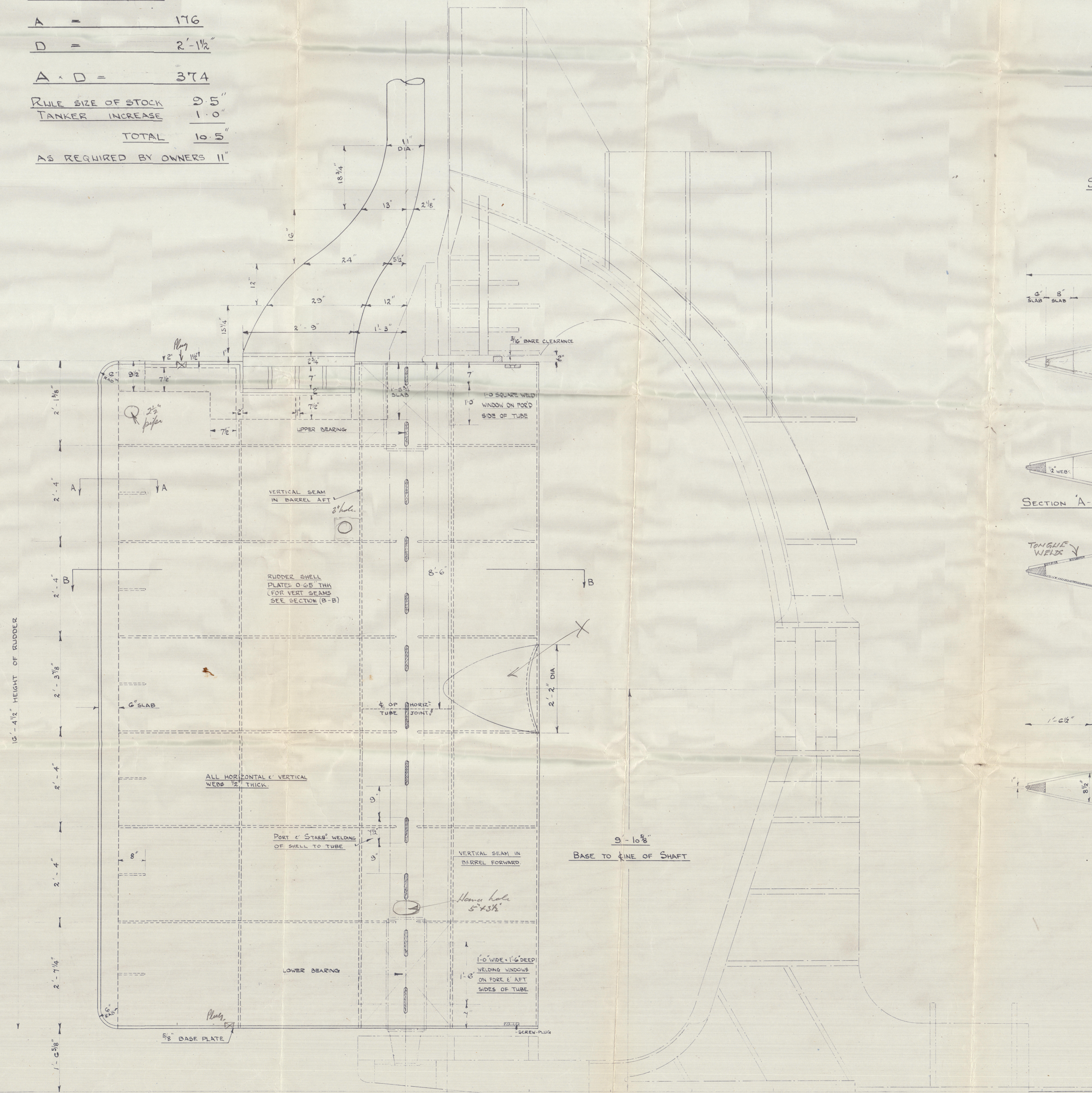
A = 176

$$D = 2' - 1\frac{1}{2}"$$
$$\underline{A \cdot D = 374}$$

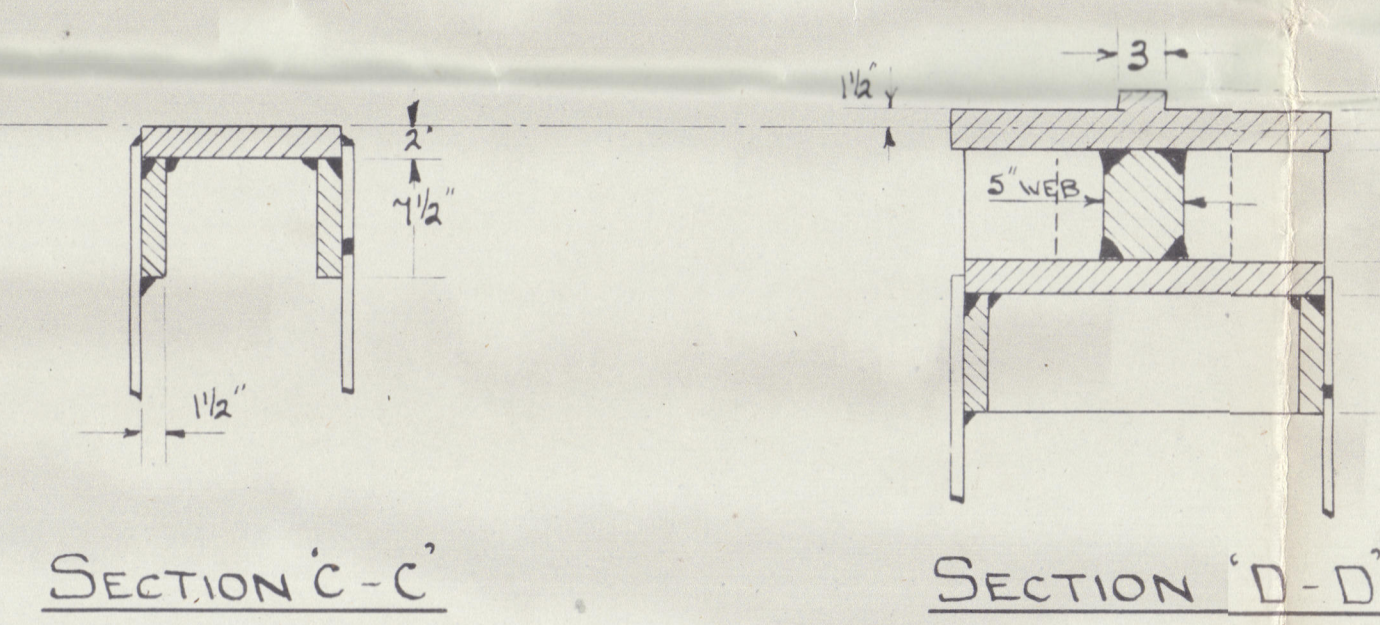
<u>RULE SIZE OF STOCK</u>	<u>2.5</u>
<u>TANKER INCREASE</u>	<u>1.0</u>

<u>TOTAL</u>	10.5 <sup>v</sup>
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AS REQUIRED BY OWNERS 11"

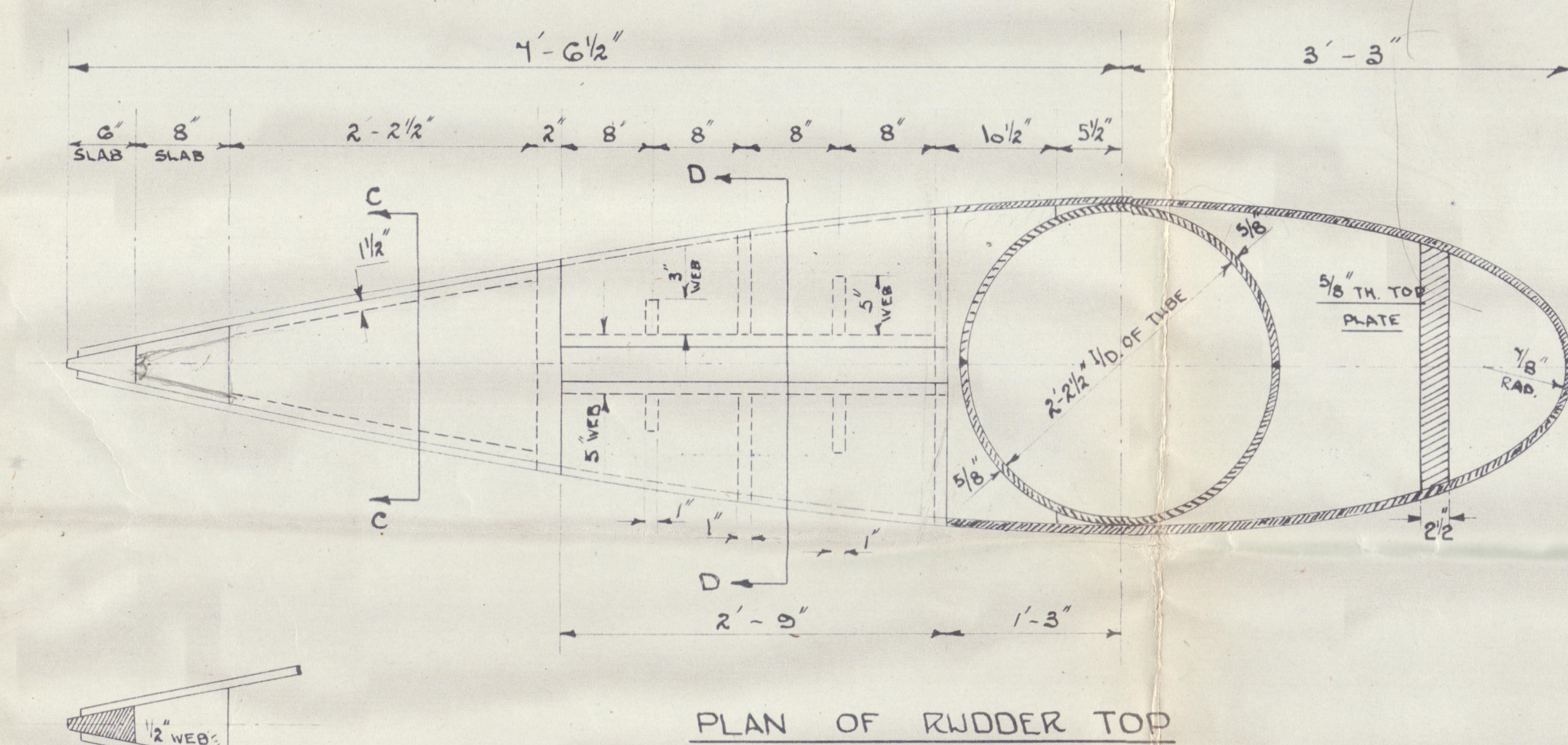


DETAIL OF COUPLING  
SCALE :-  $1\frac{1}{2}'' = 1 \text{ FOOT}$

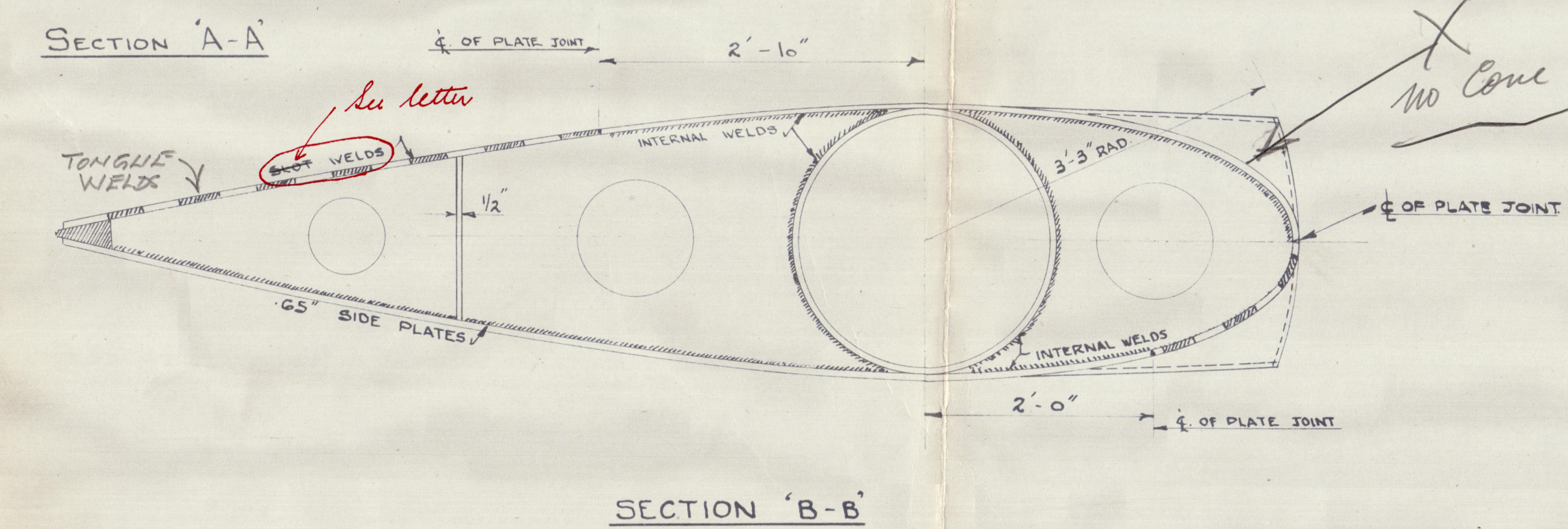


SECTION C-C'

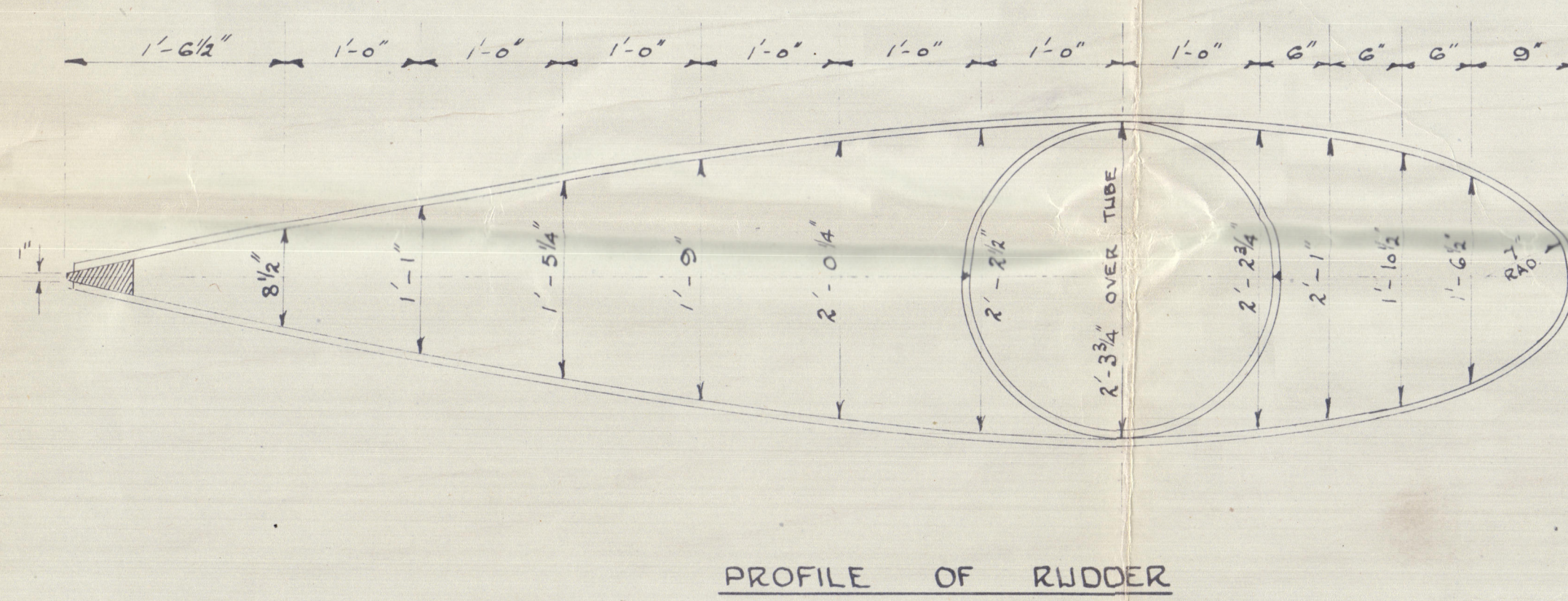
SECTION 'D-D'



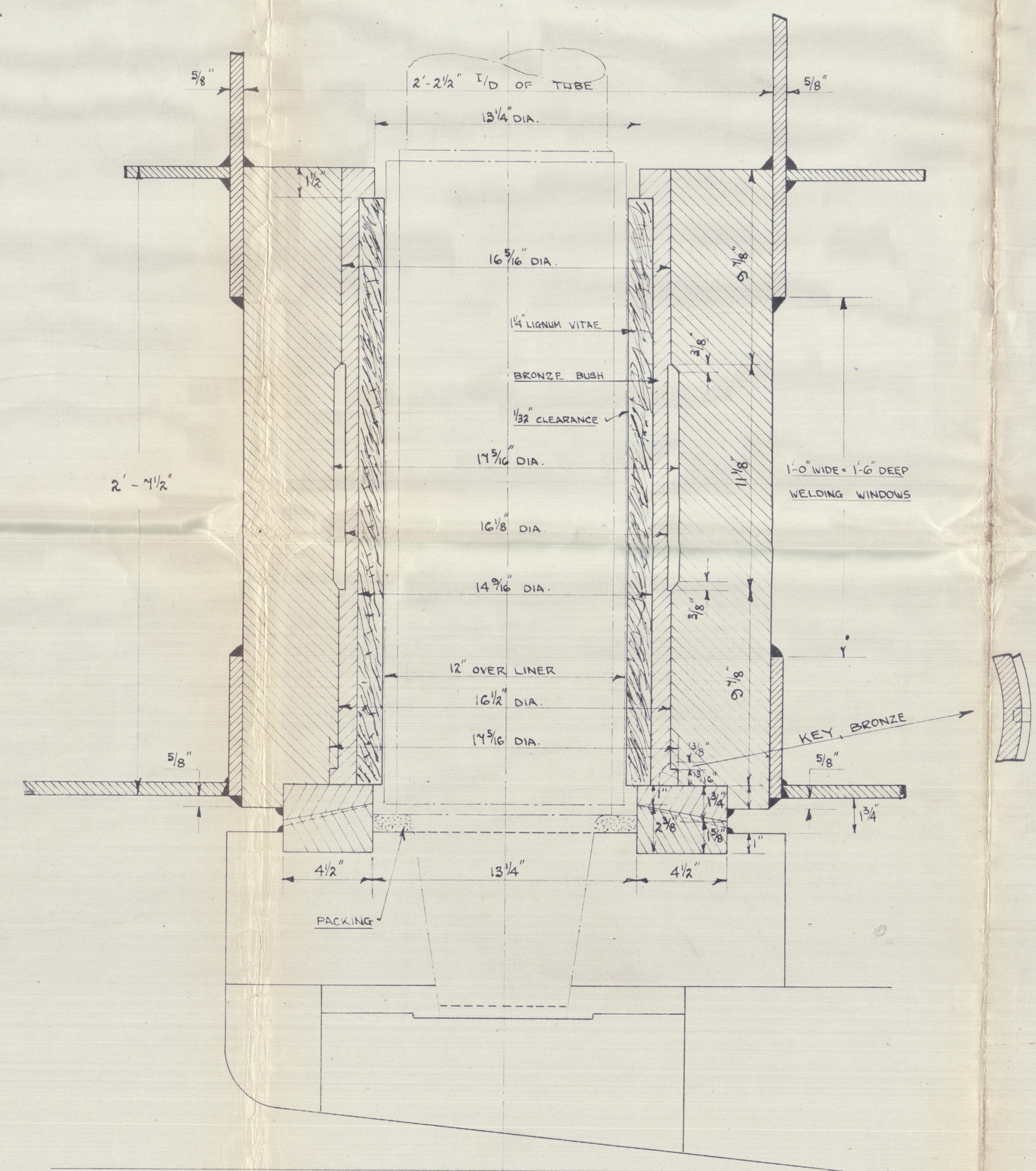
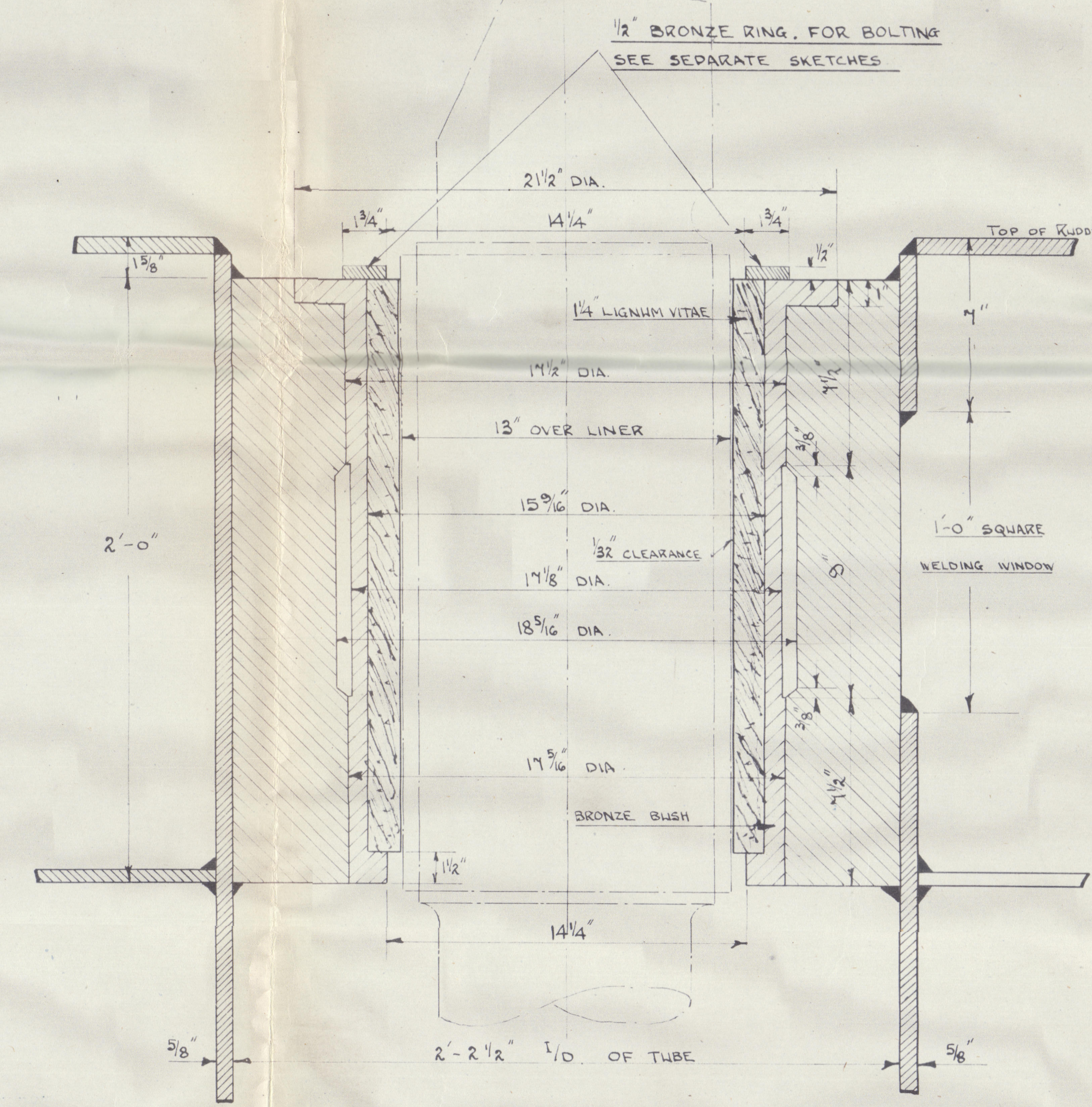
PLAN OF RUDDER TOP



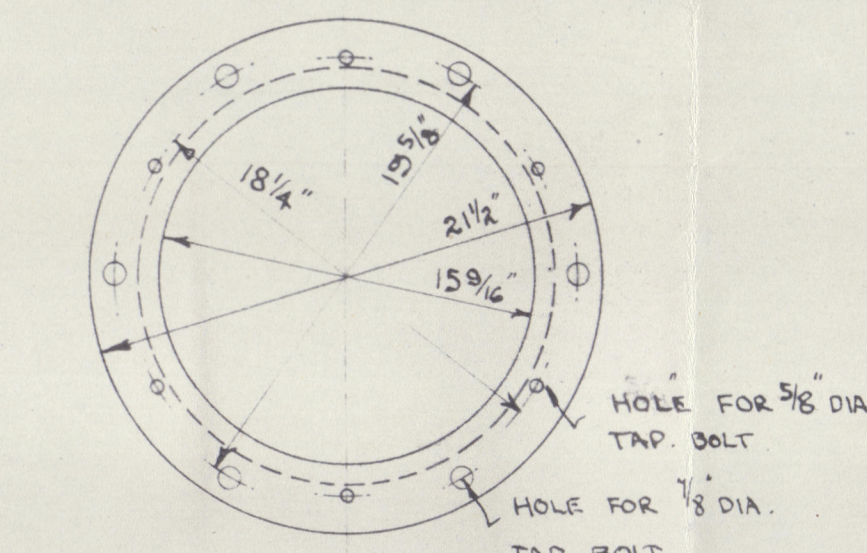
SECTION 'B-B'



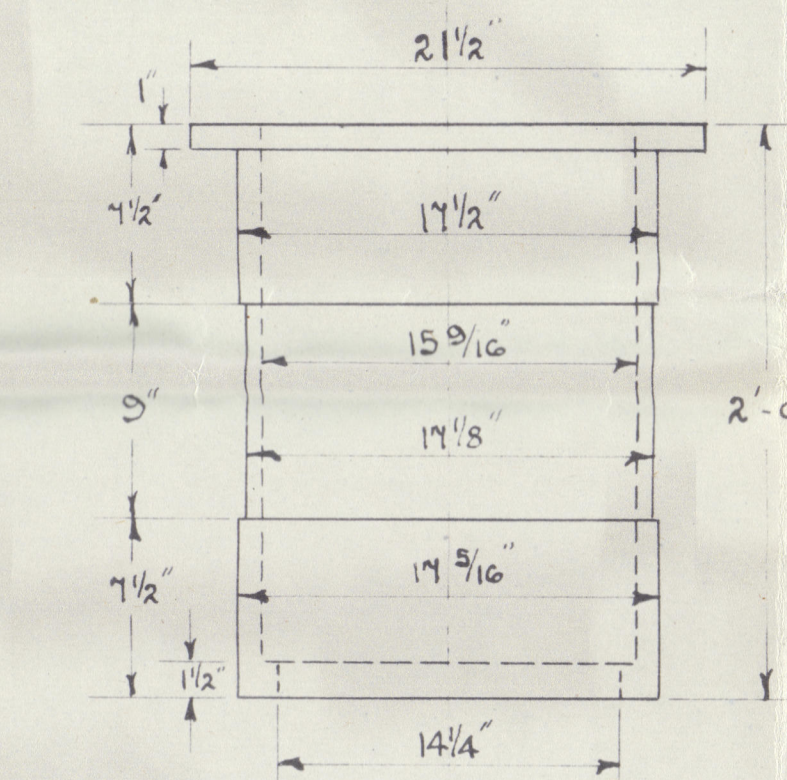
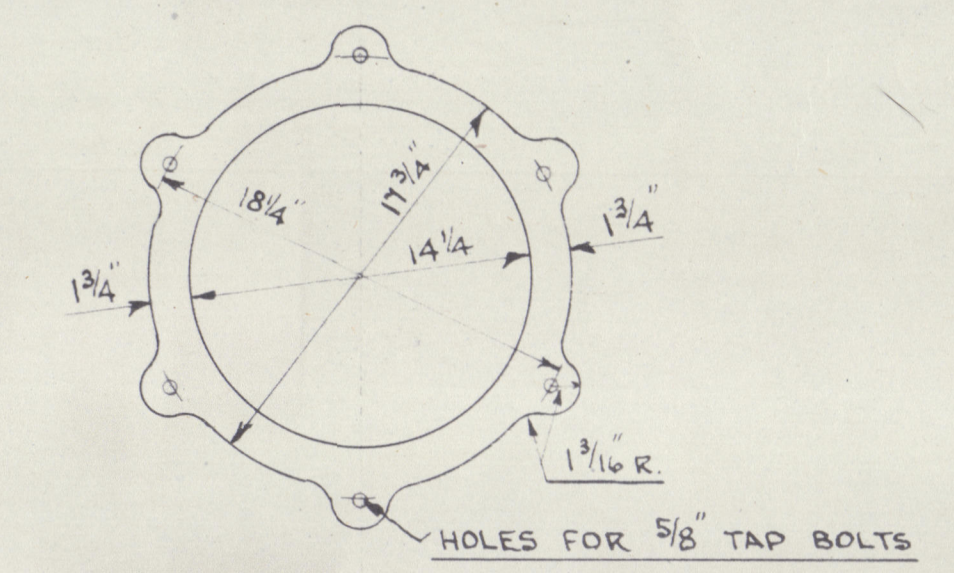
### PROFILE OF RUDDER



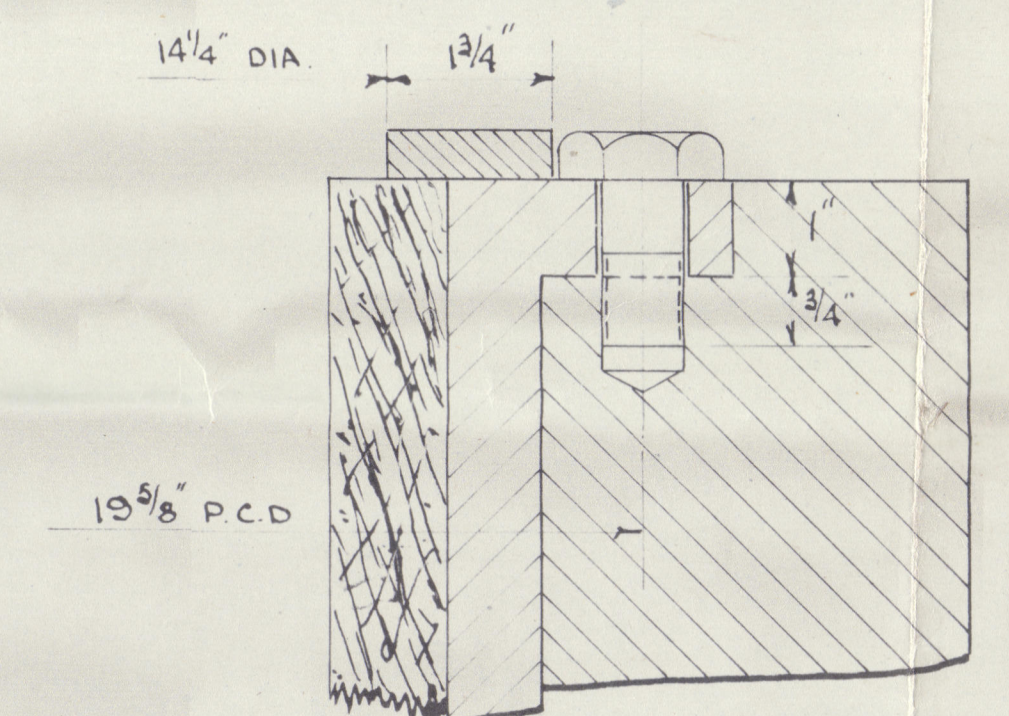
DETAIL OF UPPER & LOWER BEARINGS  
SCALE :- 3" = 1 FOOT



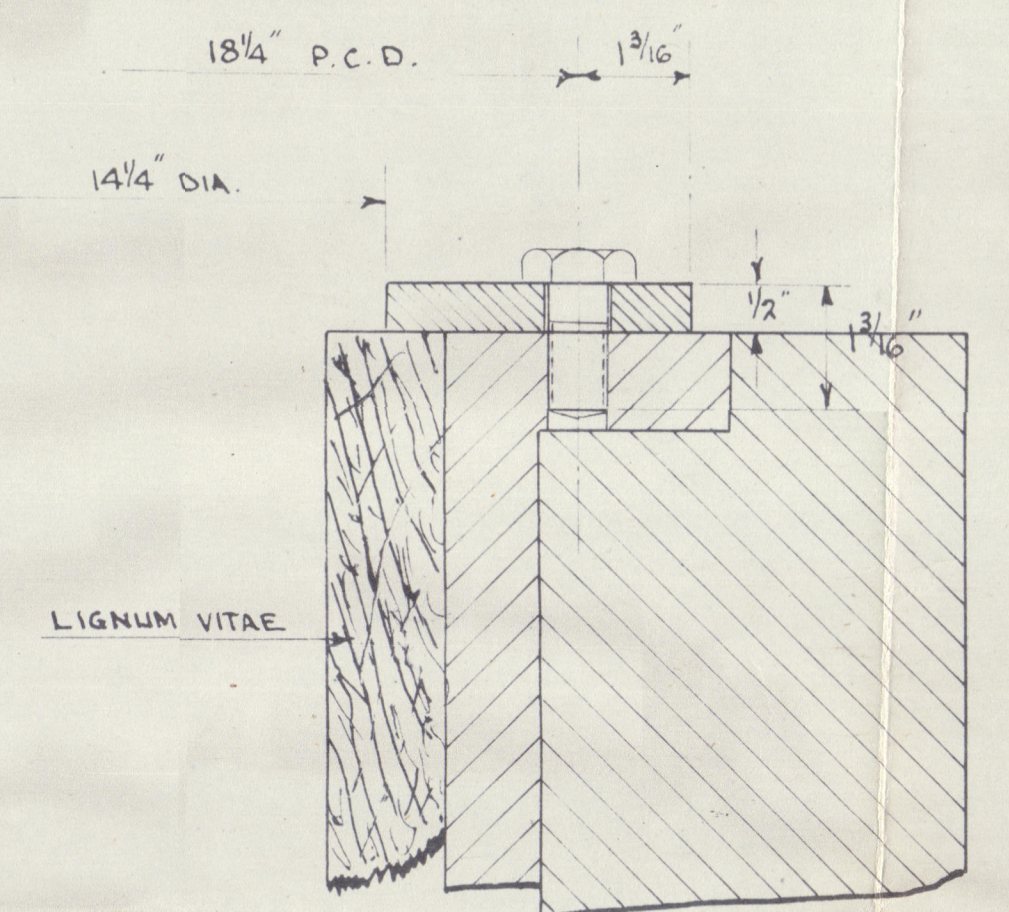
1/2<sup>8</sup> BRONZE RING



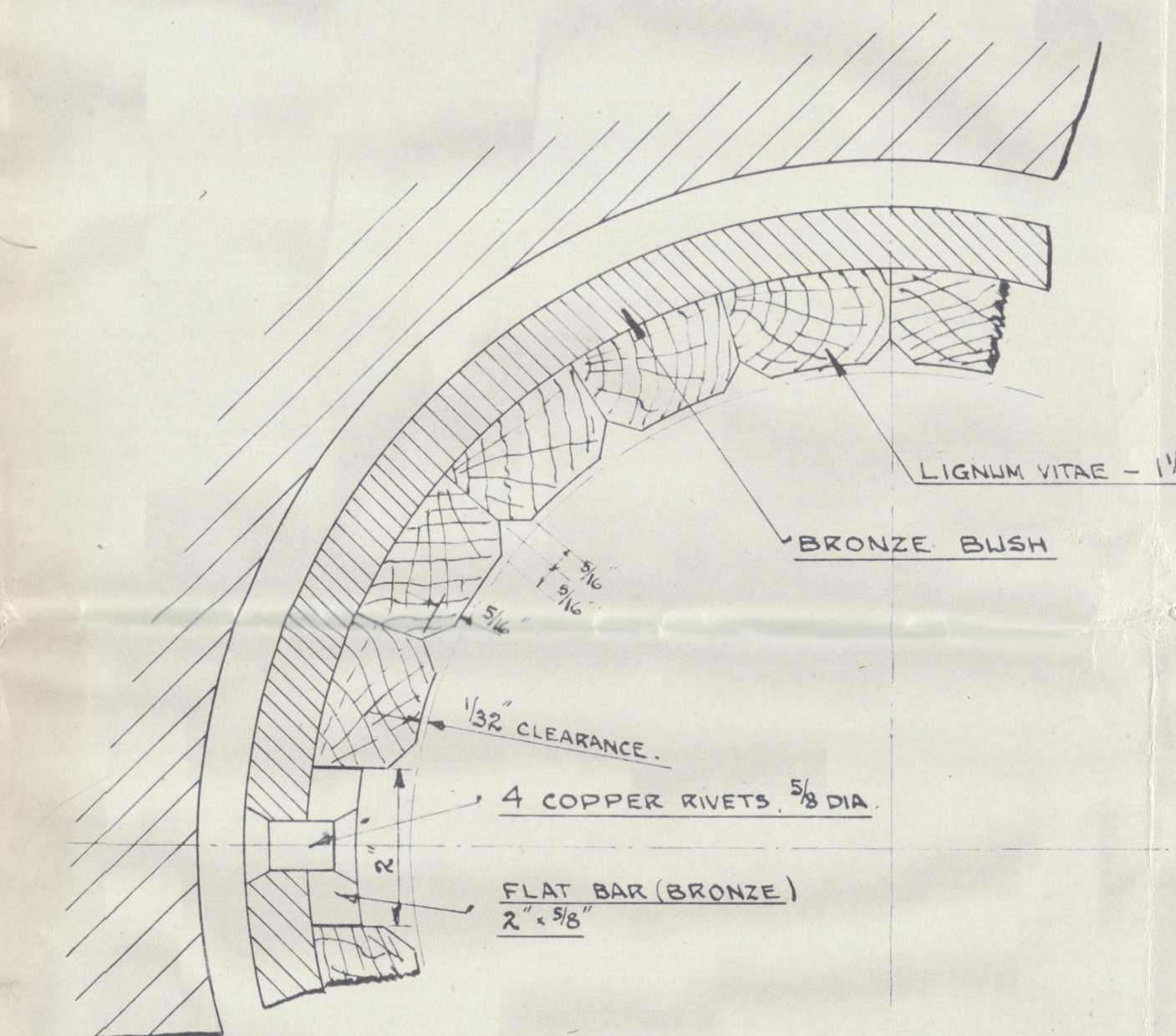
UPPER BRONZE BUSH  
SCALE =  $1\frac{1}{2}" = 1$  FOOT



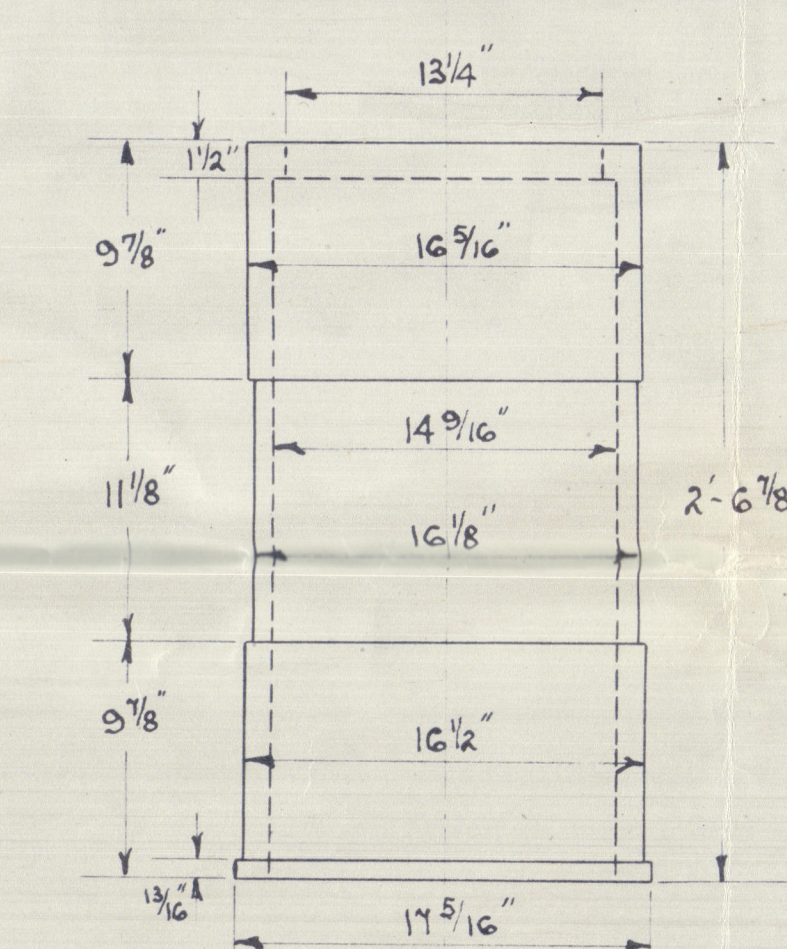
SECTION THRO'  $\frac{1}{8}$ " TAP BOLT



SECTION THRO'  $\frac{5}{8}$ " TAP BOLT



SECTION THRO' BEARING  
DRAWN FOR LOWER BEARING.      UPPER SIMILAR



LOWER BRONZE BUSH  
SCALE: - 1 1/2" = 1 FOOT

- NOTES :-

- ① THE FORWARD 2" AFTER PART OF THE RUDDER IS TO BE PILED WITH SOLUTION & SUBJECTED TO A PRESSURE OF 5.00 PSI PER SQ. INCH, IN WHICH CONDITION SAME IS TO BE APPROVED BY LAUNDS. THE SOLUTION IS THEN TO BE REMOVED & THE SCREWPUMP INSERTED
- ② THE INSIDE PIPE IN THE RUDDER IS TO BE PAINTED WITH SOLUTION
- ③ THE ELECTRIC WELDING SHOULD BE CARRIED OUT TO THE SATISFACTION OF THE SOCIETY'S SURVEYORS & THE REGULATIONS FOR THE APPLICATION OF ELECTRIC ARC WELDING TO SHIP CONSTRUCTION TO BE COMPLIED WITH
- ④ SPECIAL CARE IS TO BE TAKEN THAT THE RUDDER STOCK IS FLUSH WITH THE RUDDER BRACKENS & THE CYLINDRICAL RUDDER POST
- ⑤ STEERNPOMP & RUDDER STOCK SEE SEPARATE DRAWINGS

APPROVED  
LLOYD'S REGISTER OF SHIPPING  
*James H. Clark* 19/2/14  
DATE



M/s "NEOTHAUMA" \*

33.

M/s "HERITOPSIS".

BLYTHSWOOD S. B. CO LTD

N<sup>os</sup> 82 + 83

RUDDER.

82

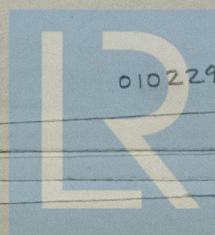
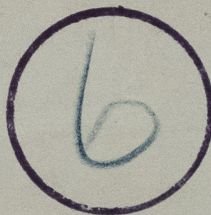
GLASGOW REPORT No,

70841

83

GLASGOW REPORT No.

71171



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Lloyd's Register  
Foundation