

17 JAN 1952

SHIP N° 1821. RUDDER.

SCALES:- ARRGT:- 1/2"=1 FOOT. DETAILS:- 1"=1 FOOT EXCEPT WHERE MARKED OTHERWISE.

DIMENSIONS:- 407'-6" L.B.P. x 56'-0" B.M.L.D. x 25'-0" B.K. DRAUGHT.

TO PASS LLOYDS TESTS AND REQUIREMENTS.

SPEED ON SERVICE 12 KNOTS

RUDDER AREA 150 SQ. FT.

NET A.D. 150 x 20 = 300

RULE DIA. OF STOCK = 8.75" (TANKER) = 9.625" INCREASED FOR OWNERS TO 10"

MAXIMUM WORKING ANGLE OF RUDDER 35°

RUDDER TO BE FABRICATED

RUDDER STOCK TO BE FORGED STEEL, ENLARGED IN WAY OF RUDDER CARRIER AND MAIN TILLER.

THREADS OF ALL BOLTS TO BE WHITWORTH STANDARD.

RUDDER NOT TO BE PAINTED BUT GIVEN A COAT OF OIL BEFORE LEAVING MAKERS.

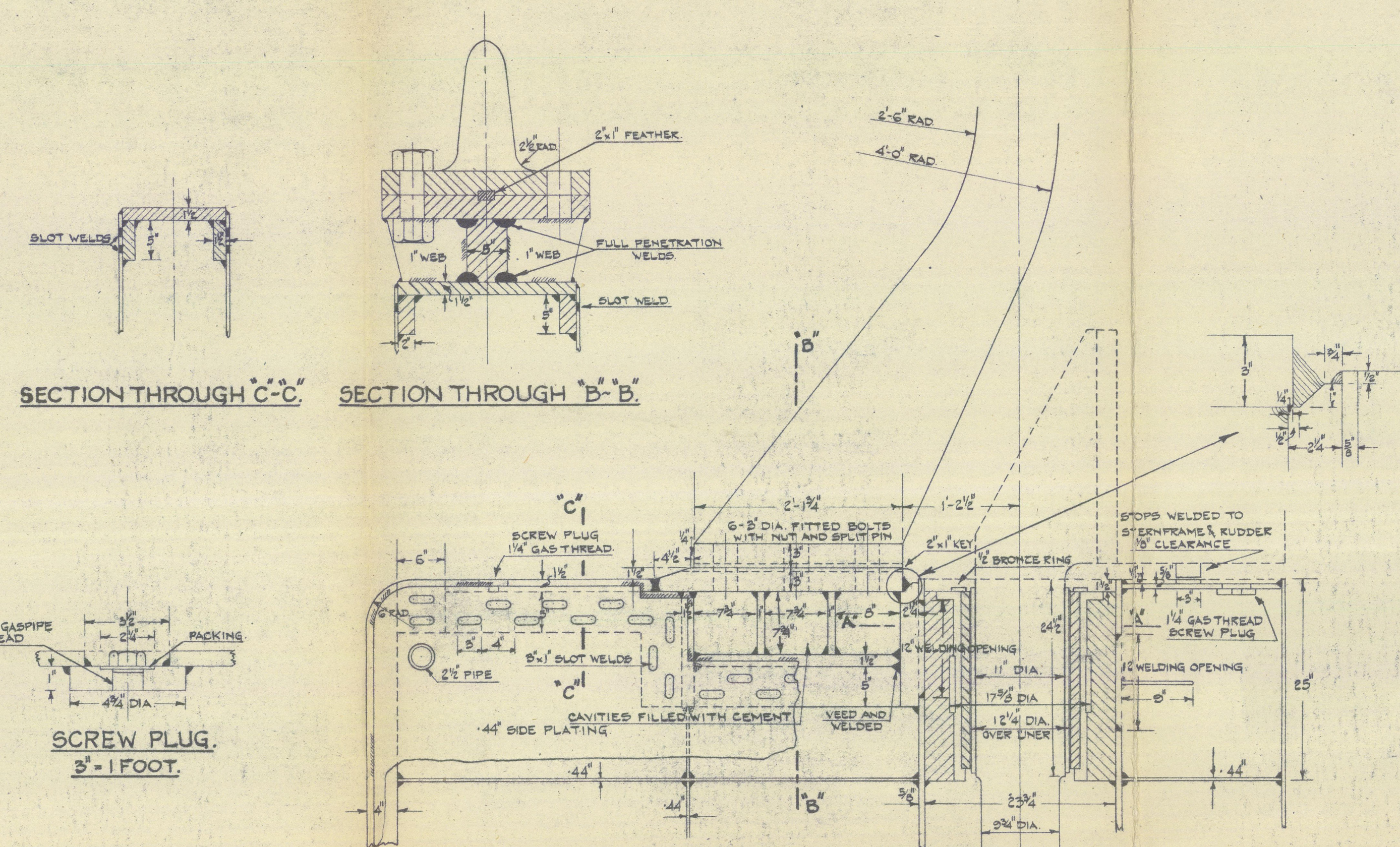
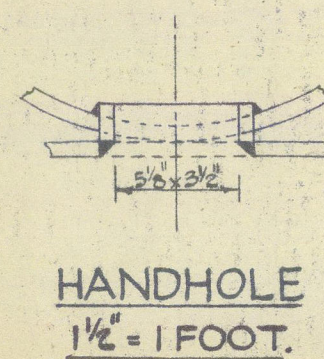
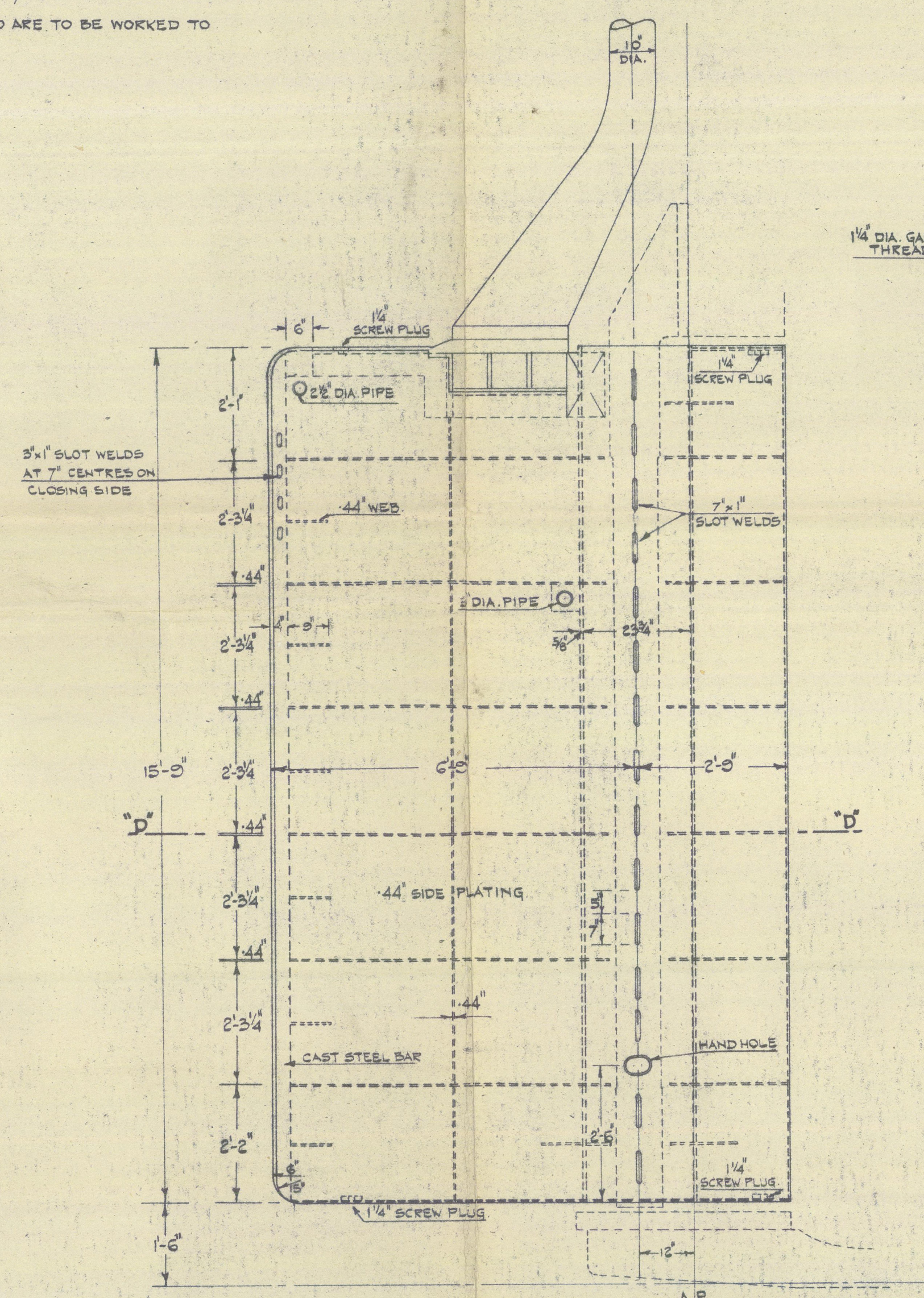
RUDDER TO BE COATED INTERNALLY WITH BITUMINOUS SOLUTION.

SPECIAL CARE TO BE TAKEN THAT THE STOCK BE PERFECTLY FLUSH IN WAY OF RUDDER BEARINGS.

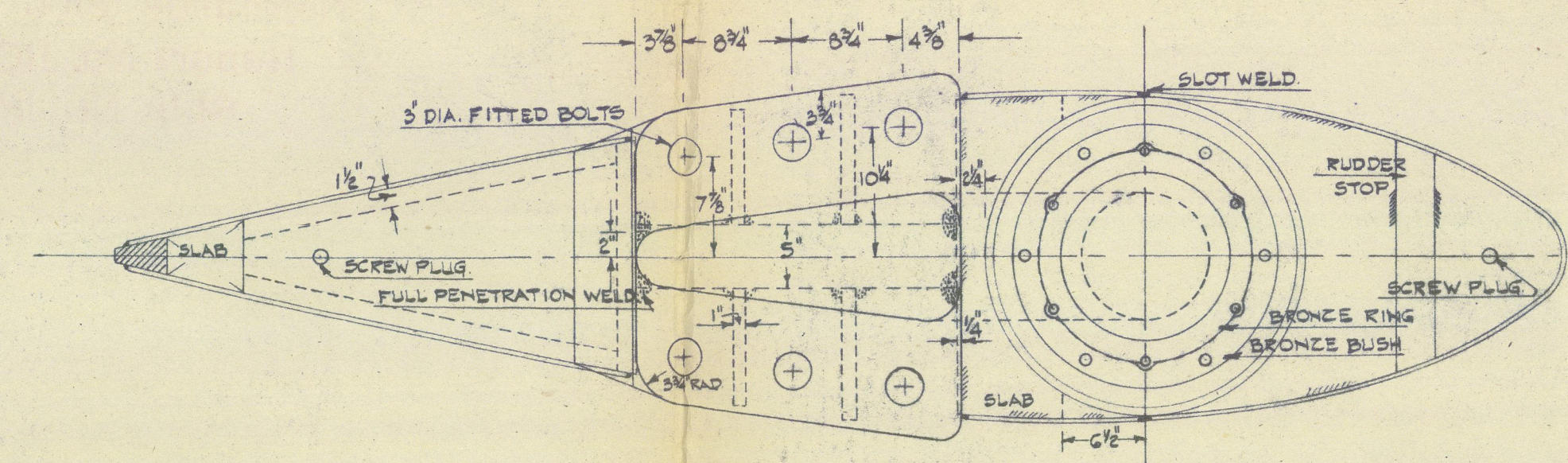
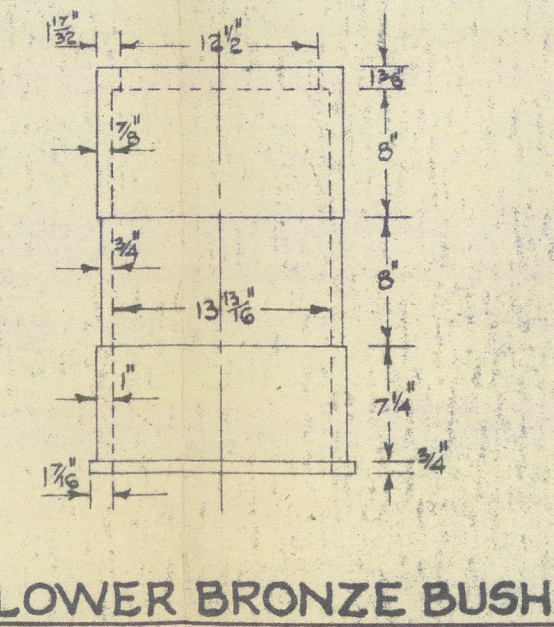
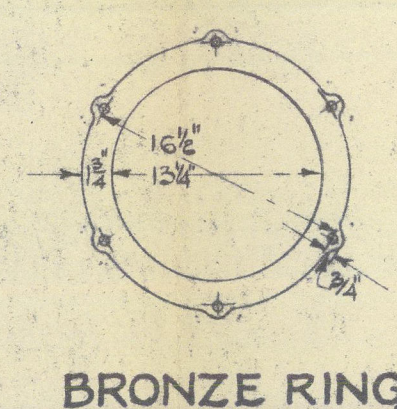
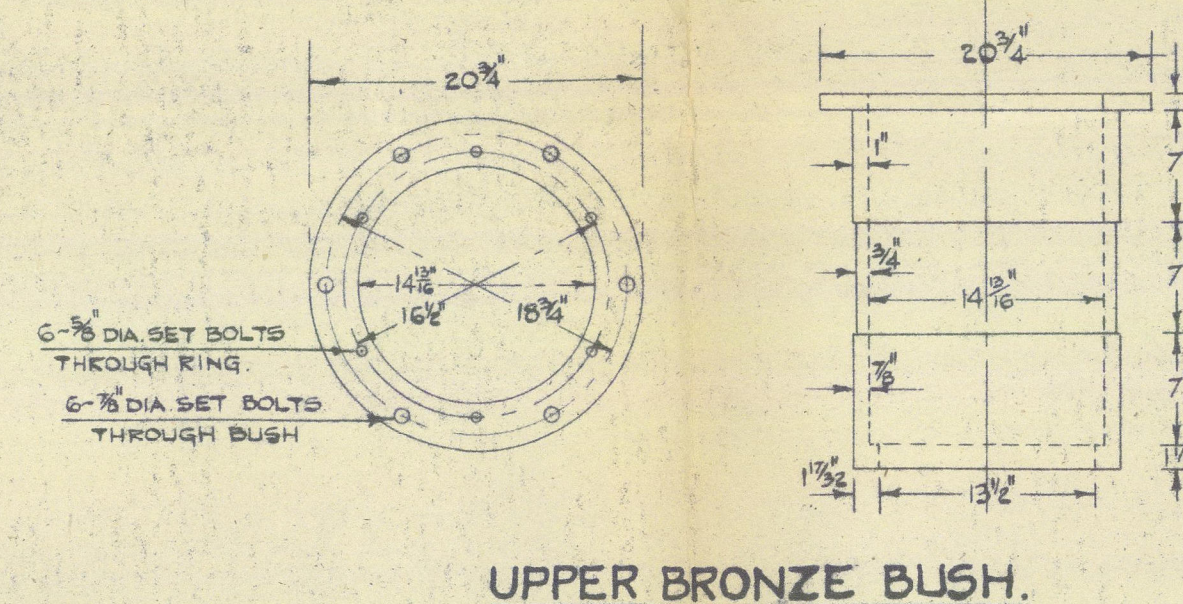
RUDDER TO BE WATERTIGHT & TESTED TO 14 LBS/SQ. INCH PRESSURE. BY MAKERS.

FULL SIZE TRACINGS WILL BE SUPPLIED AND ARE TO BE WORKED TO

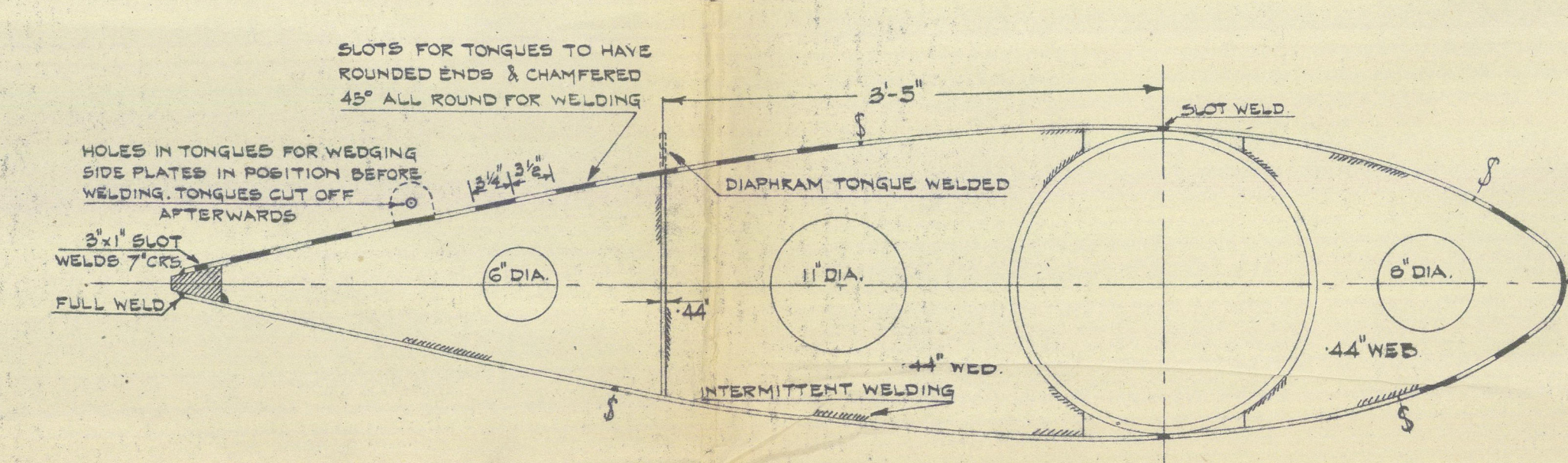
IN PREFERENCE TO THIS PLAN.



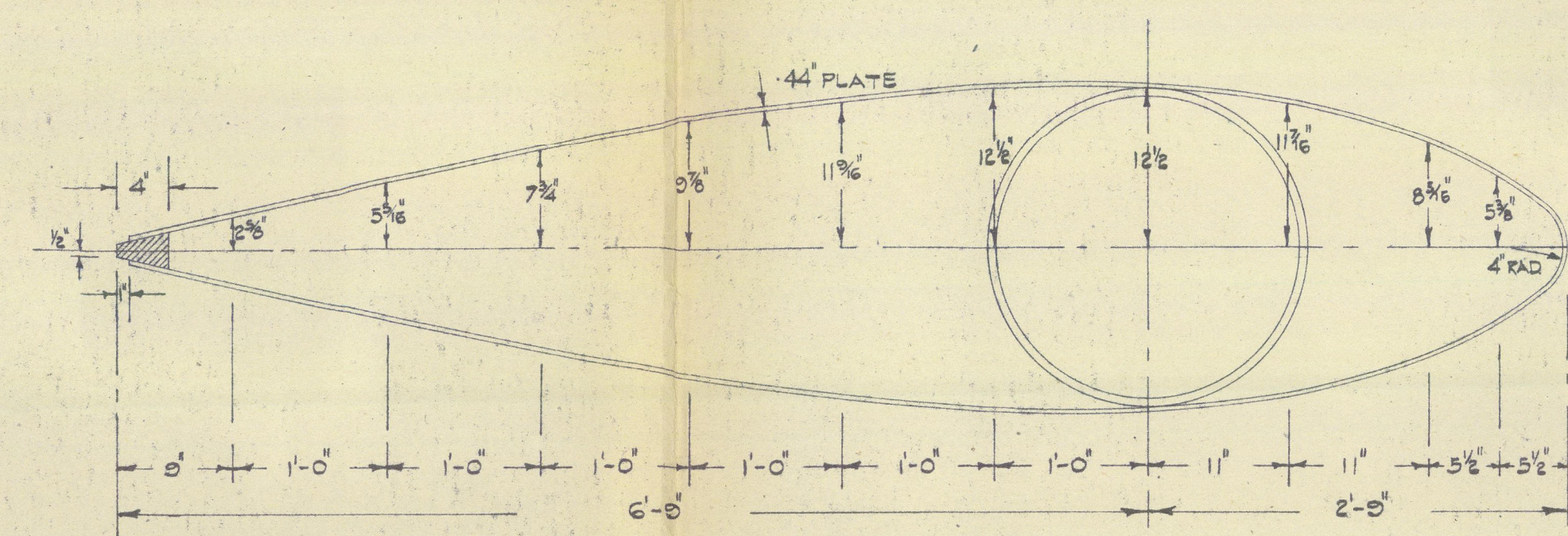
SCREW PLUG.
3" = 1 FOOT.



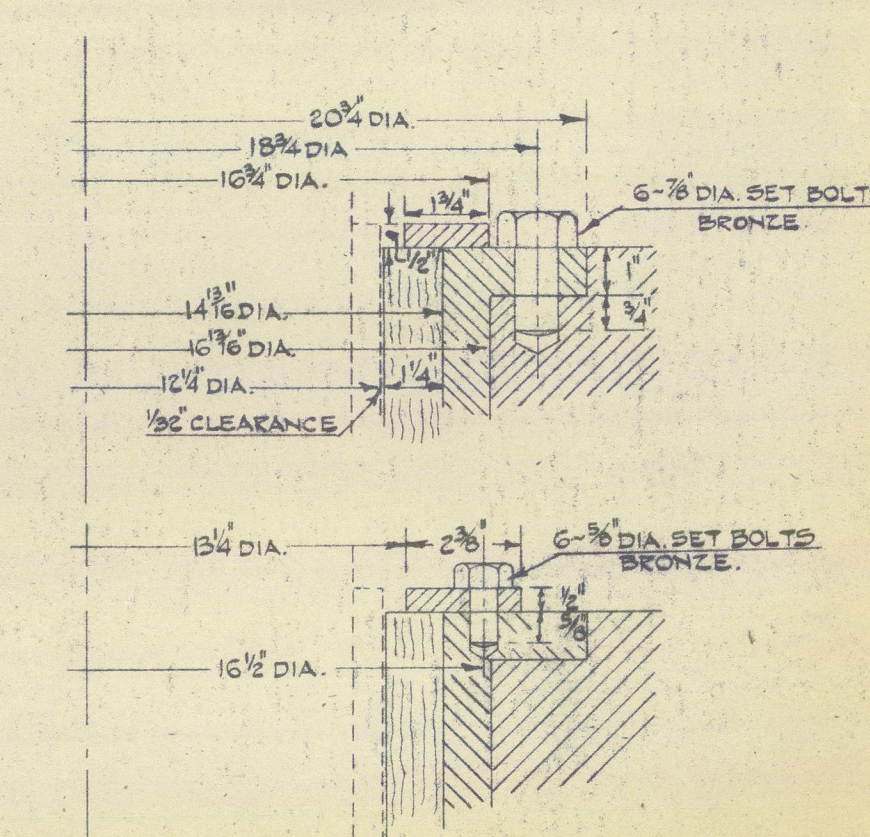
PLAN AT RUDDER TOP.



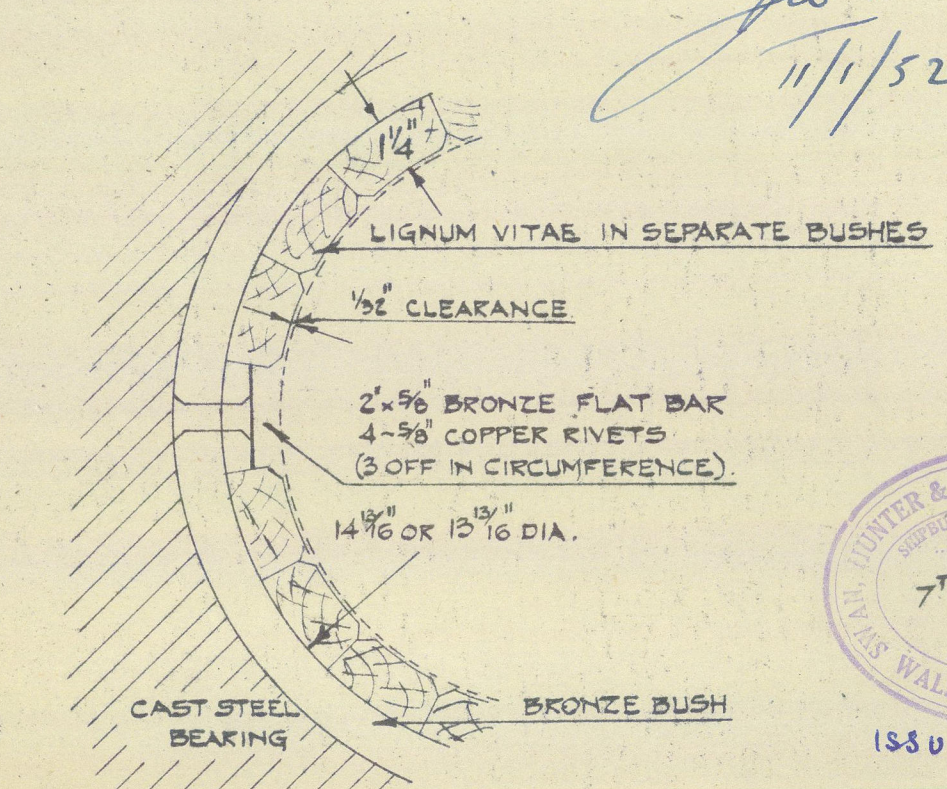
SECTION THROUGH D-D.



PROFILE OF RUDDER.



ARRANGEMENT OF BRONZE BUSH.
1/4 FULL SIZE.



LIGNUM VITAE BUSHES.
1/4 FULL SIZE.

REGISTERED & ENGINEERED
4240
7TH JAN. 1952
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002536-002542-0143

SWAN HUNTER & WICHAM
RICHARDSON LTD.

1821 "BURMAH SAPPHIRE" (only) (SHARP PLAN)

RUDDER

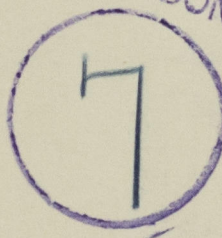
~~H.~~ BURMAH SAPPHIRE. ★

Newcastle upon Tyne

Report No. 110702

Ship No 1821

RECORDS DEPT.:
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