

RUDDER AND STERN FRAME S.S. N^{OS} ~~240-41~~ 244-5

SCALE $\frac{3}{4}$ " = 1 FOOT

ALL TO BE PASSED BY LLOYDS.

R WILLIAMSON & SON, LTD
SHIPYARD, WORKINGTON,
TRACING No 3430.

RUDDER FRAME - TO HAVE PINS TURNED AND SCREWED TO SIZE GIVEN.
CENTRE LINE OF PINS TO BE TRUE BOTH WAYS, GREAT CARE
TO BE TAKEN TO HAVE STERN POST & RUDDER POST EXACT LENGTH.
STERN FRAME - $5\frac{3}{4}$ " x 4" TAPERED ABOVE DOTTED LINE TO 3" x 4" AT HEAD.
HOLES IN POST FOR 1" DIA. RIVETS 5" APART.

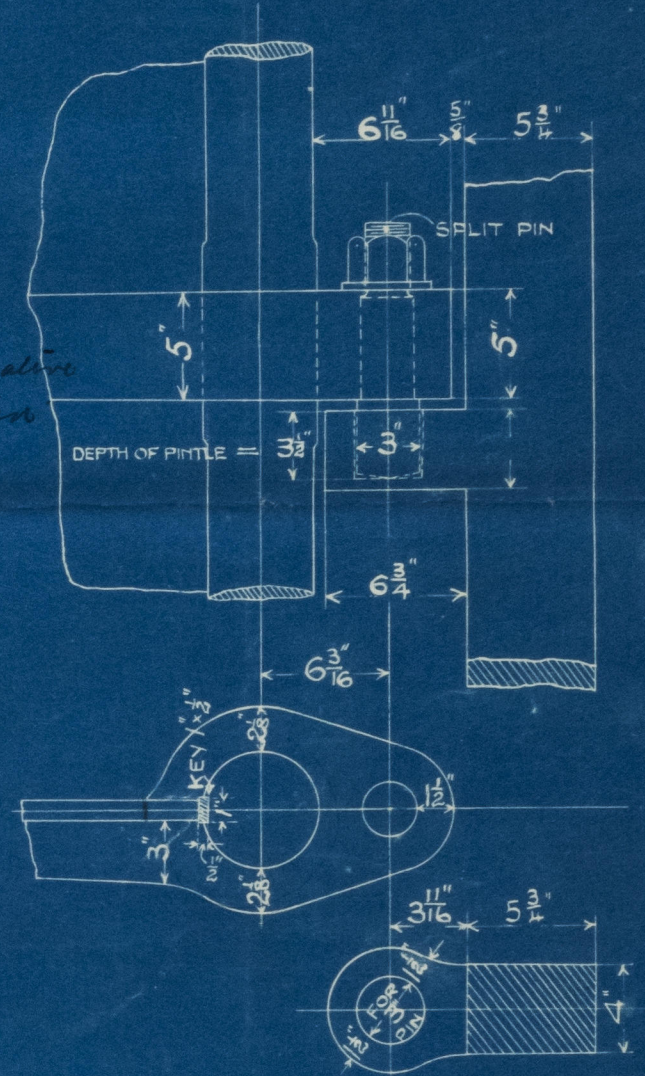
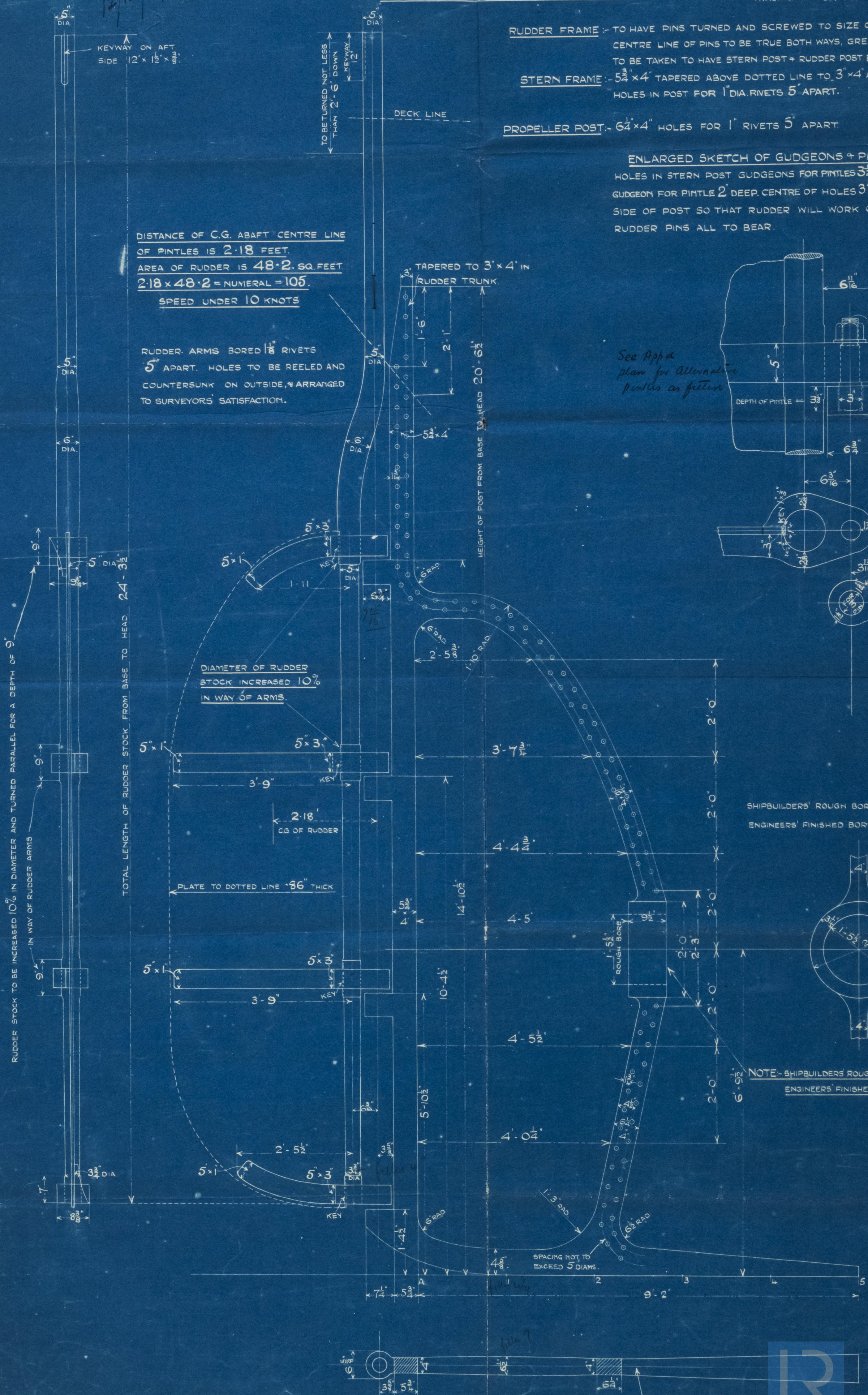
PROPELLER POST - $6\frac{1}{4}$ " x 4" HOLES FOR 1" RIVETS 5" APART.

ENLARGED SKETCH OF GUDGEONS & PINS.

HOLES IN STERN POST GUDGEONS FOR PINTLES $3\frac{1}{2}$ " DEEP, BOTTOM
GUDGEON FOR PINTLE 2" DEEP, CENTRE OF HOLES $3\frac{1}{16}$ " AFT
SIDE OF POST SO THAT RUDDER WILL WORK CLEAR.
RUDDER PINS ALL TO BEAR.

DISTANCE OF C.G. ABAFT CENTRE LINE
OF PINTLES IS 2.18 FEET.
AREA OF RUDDER IS 48.2 SQ. FEET
 $2.18 \times 48.2 = \text{NUMERAL} = 105.$
SPEED UNDER 10 KNOTS

RUDDER ARMS BORED $\frac{1}{8}$ " RIVETS
5" APART. HOLES TO BE REELED AND
COUNTERSUNK ON OUTSIDE, & ARRANGED
TO SURVEYOR'S SATISFACTION.



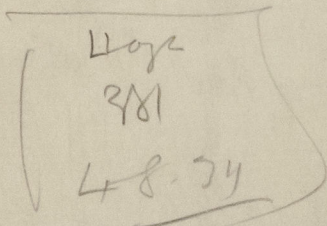
SHIPBUILDERS' ROUGH BORE 17 1/2"
ENGINEERS' FINISHED BORE 17 3/4"

NOTE: SHIPBUILDERS' ROUGH BORE 17 1/2"
ENGINEERS' FINISHED BORE 17 3/4"

5/5 Nov 244/5.

Rudder & Stern Frame.

Approved Plan.



S.S.

Sadality

Drawn up. No. 2960.

HULL REPORT No.

49292



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