

STREAMLINE RUDDER.

S.M.V. No. 870.

SCALE: 1" = ONE FOOT.

DETAILS: SCALED AS INDICATED.

RUDDER FRAME BEST QUALITY STEEL CASTING. RUDDER STOCK BEST QUALITY FORGED STEEL.

DIMENSIONS: 450' 0" D.P. = 55' 0" M.D. x 24' 0" M.D. TO UPPER DECK.
TO CLASS 90 A1 AT LLOYD'S, CARRYING PETROLEUM IN BULK.
LOAD CAPACITY 27' 0" SPEED 12 KNOTS
TOTAL IMMERSED AREA OF RUDDER FROM PORT SIDE OF POST = 157 SQUARE FEET.
CENTRE OF GRAVITY OF AREA FROM CENTRE LINE OF POST = 5 FEET.
A - D = 785 = 12.5' DIA. x 10' = 12.5 x 125 = 1562.5' DIA. STOCK.
KEYWAY TO BE CUT IN RUDDER STOCK TO PARTICULARS GIVEN LATER.
RUDDER STOCK TO BE ACCURATELY TURNED TO DIMENSIONS GIVEN.
RUDDER FRAME TO BE CAST TO SHAPE AS PER DETAILS.
RUDDER NOT TO EXCEED DIMENSIONS GIVEN, EXCEEDS OVER 5% WEIGHT WILL NOT BE PAID FOR.
RIVET HOLES TO BE BORED PLUMB THRU POST, SIZE NOT LESS THAN GIVEN.

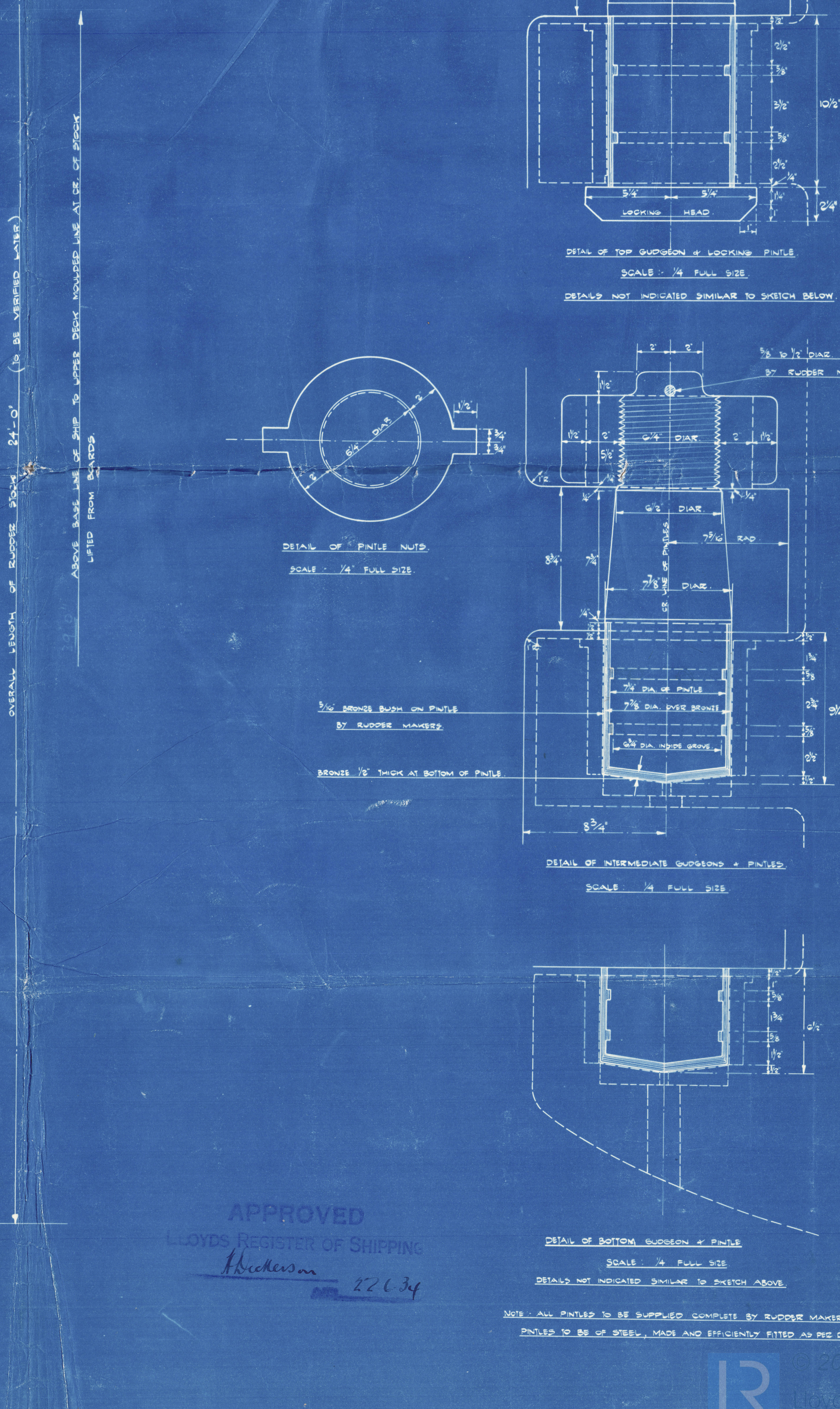
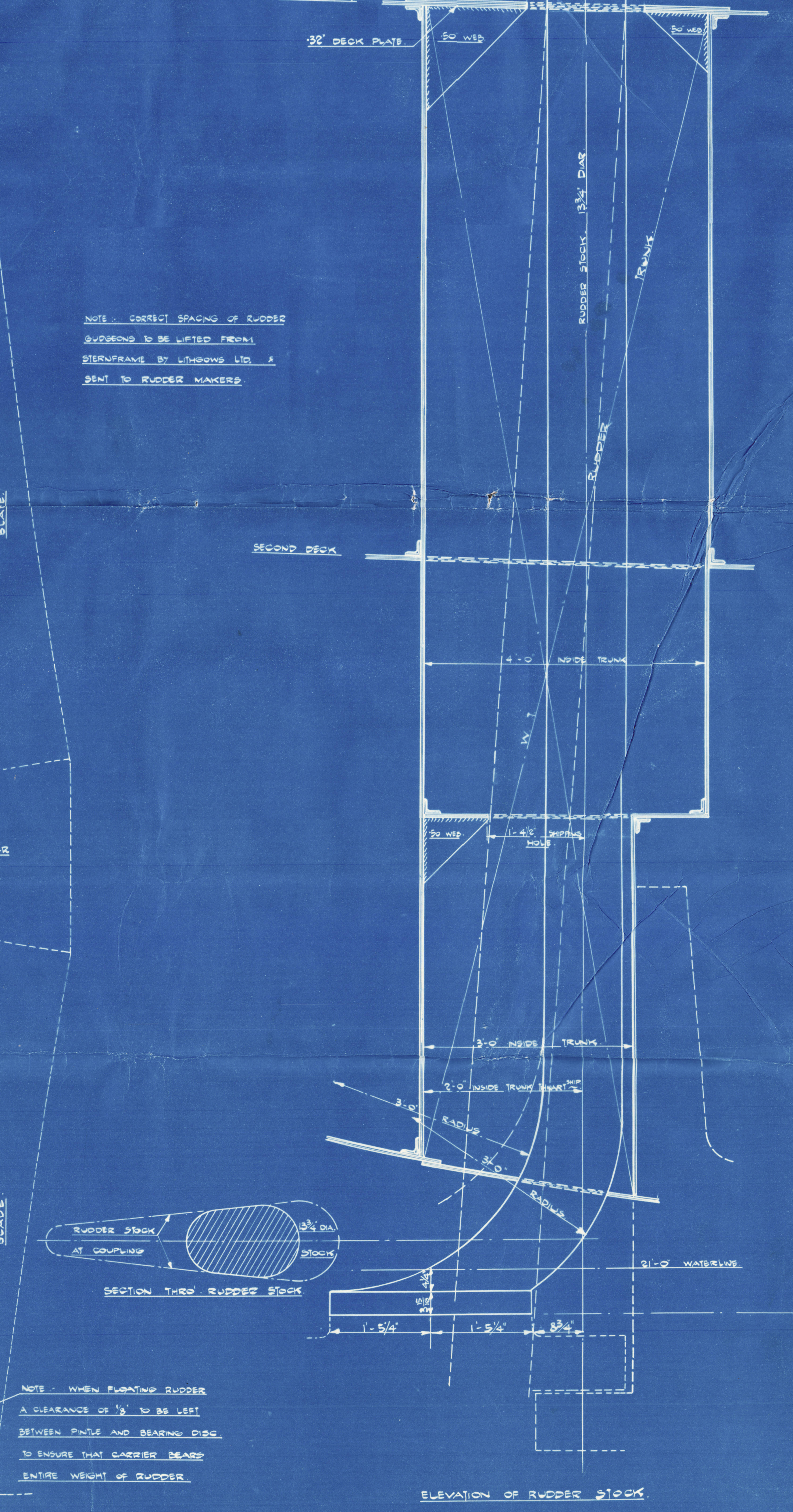
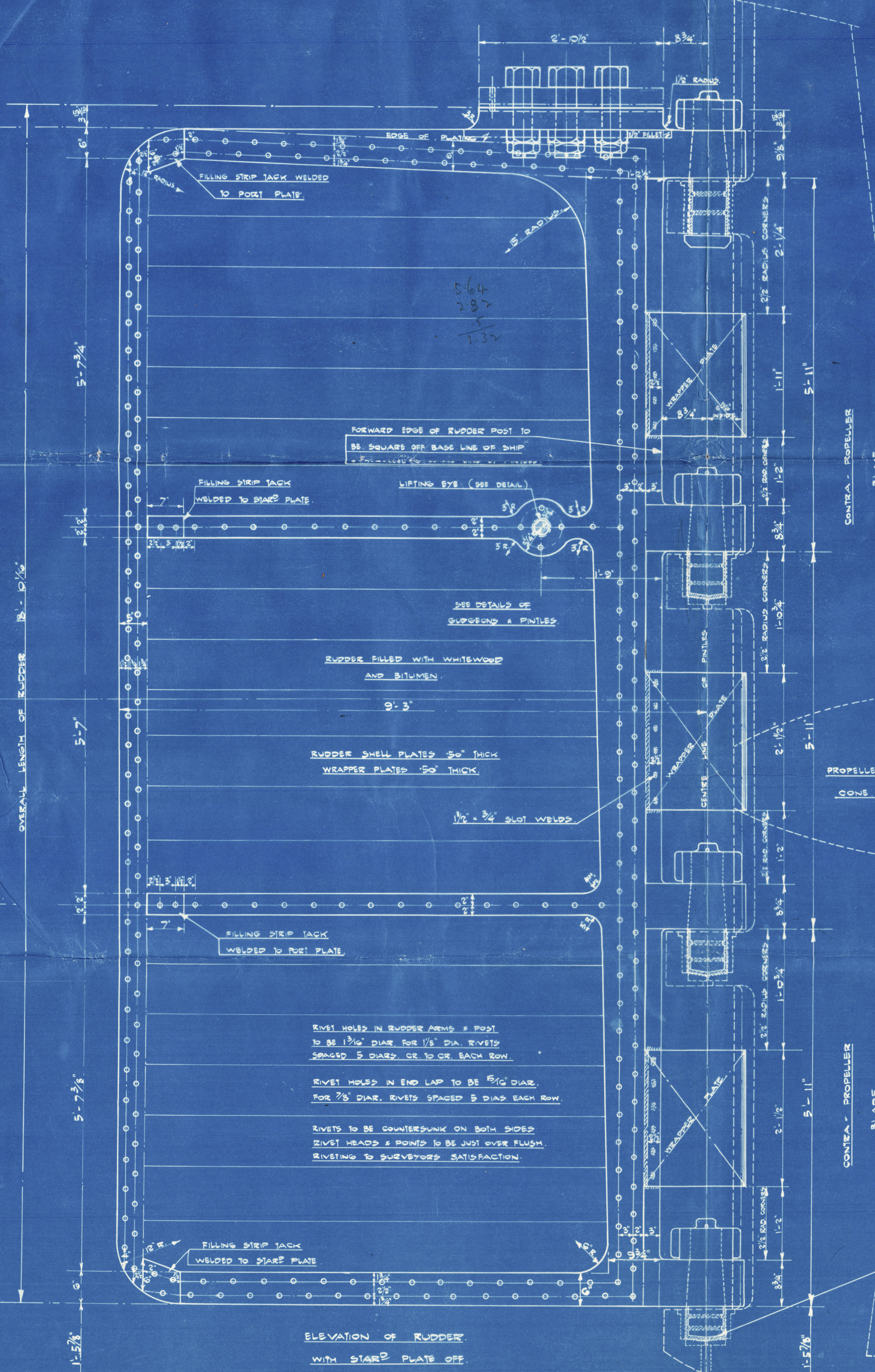
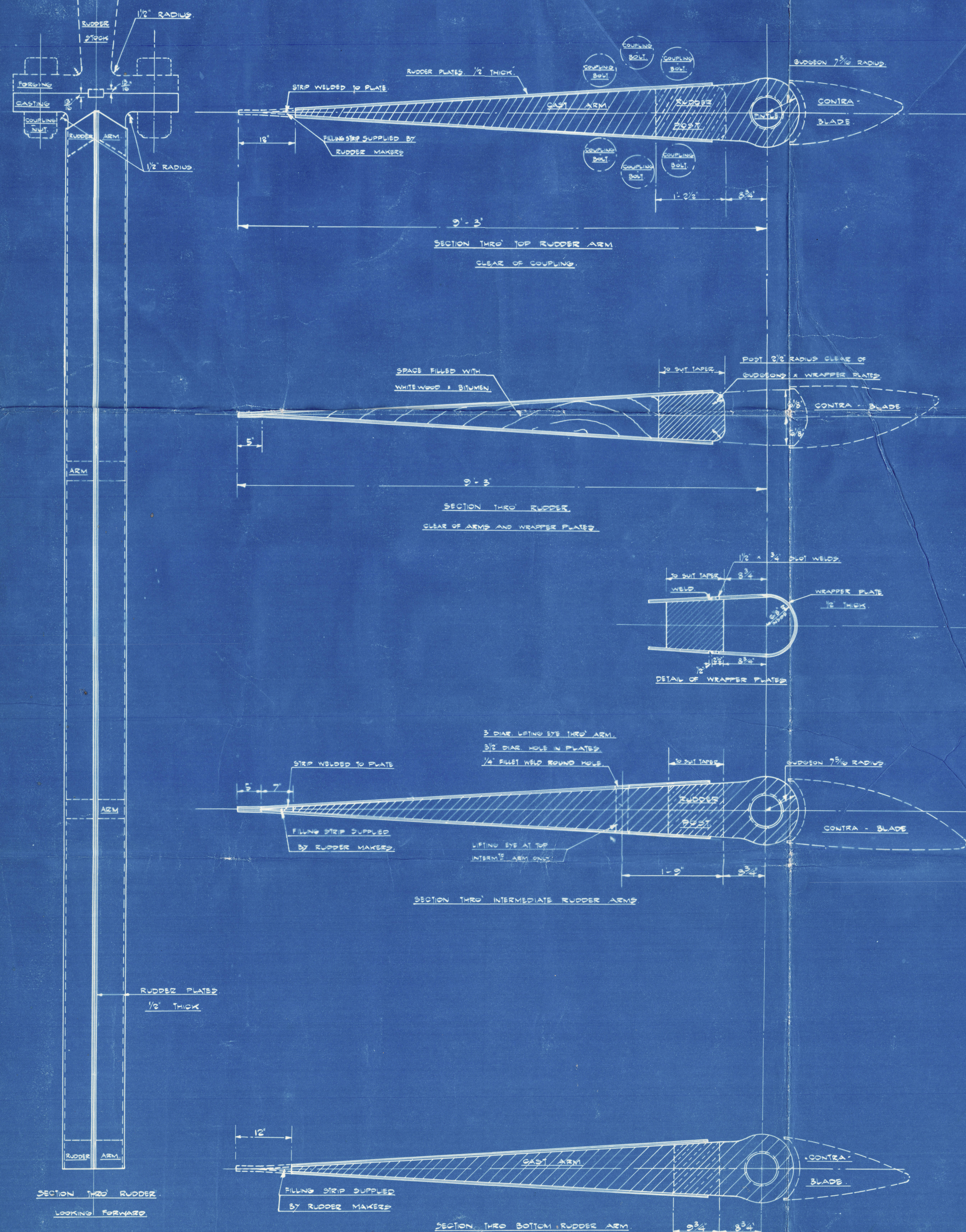
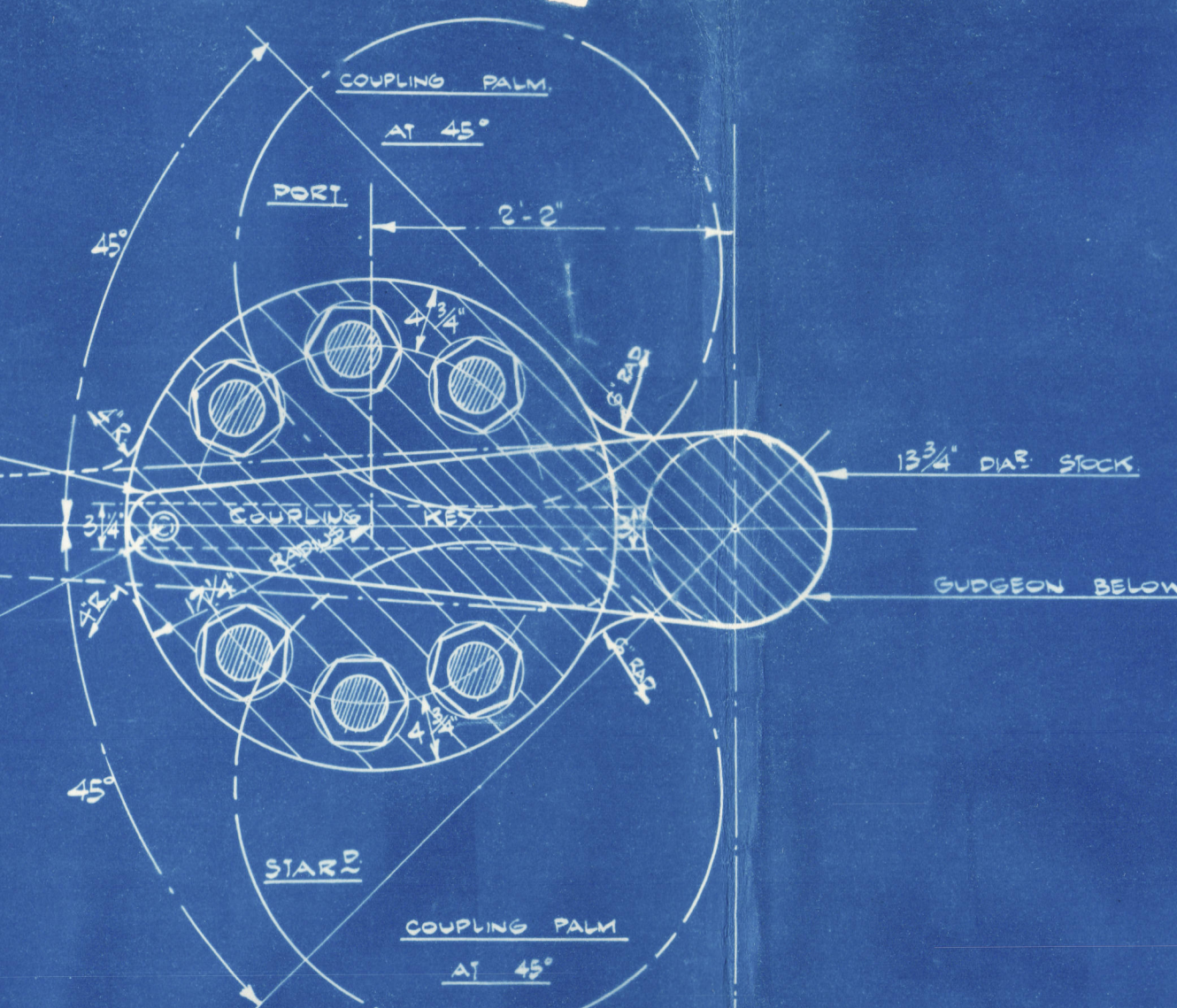
CONSTRUCTION NOTE:

FILING STEPS JACK WELDED IN POSITION ON ALTERNATE RUDDER PLATE.
RUDDER FRAME LAD IN POSITION ON TOP OF BOTTOM PLATE & BOLTED TIGHT.
ALL JOINTS SURFACES OF RUDDER (BOTH PLATES) COATED WITH BITUMEN.
WHITWOOD PLANKS "FITTED" IN EACH COMPARTMENT & COATED WITH BITUMEN.
TOP PLATE LAD ON POSITION & ENTIRE RUDDER AND RIVETS COMPLETE.
WRAPPER PLATE WELDED ON AND FILLET WELDED ROUND LIFTING EYE.

RUDDER COUPLING TO BE SUPPLIED
COUPLER BY RUDDER MAKERS.
COUPLING FAYING SURFACES TO BE MACHINED.

COUPLING KEY 3/4" x 5/8" AT ART END
TAPERING TO 3/4" x 1/2" AT PORT END.
BOLTED FROM ART END.
3/4" DIA. SET SCREW TO KEY
(KEY NOT REQUIRED BY RULE).

DETAIL OF RUDDER COUPLING
COUPLING 2 1/2" DIA.
COUPLING FLANGES 3/8" THICK
3/4" x 3/8" DIA. FITTED STEEL BOLT
WITH DOUBLE NUT AND COTTER PIN
BOLTS 25' PITCH CENTRE DIA.
CARE TO BE TAKEN THAT NUTS DO NOT FOLLO



APPROVED
LLOYD'S REGISTER OF SHIPPING
H. C. 22034

LITHGOWS LT^o

(4)

N^o 870 + 880

RUDDER.

M. V. Amastria *

Greenock First Entry

Report N^o 19920.

M. V. "ARINIA"

GRK 1st ENTRY REPORT N^o 20189.

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