

SHIP N° 52. 6/8 6 1/2, 63+64.

# RUDDER.

SCALE 1" = 1 FOOT  
DETAILS - SCALE AS INDICATED

RUDDER FRAME = BEST QUALITY STEEL CASTING.

RUDDER STOCK BEST QUALITY FORGED STEEL.

DIMENSIONS: 40'-0" B.P. x 61'-0" M.L. x 23'-8" M.D. TO UPPER DECK  
TO CLASS 100 A1 AT LLOYD'S CARRYING PETROLEUM IN BULK  
LOAD DRAFT - 22'-0" SPEED 12 KNOTS  
TOTAL IMMERSED AREA OF RUDDER FROM FREE SIDE OF POST = 145 SQ. FEET.  
CENTRE OF GRAVITY OF AREA FROM CENTRE LINE OF PINTLES = 4.72 FEET  
A X D = 6'60" = 11'81" DIA + 10% = 11'81" + 11'81" = 23" DIA STOCK.  
KEYWAYS ETC. TO BE OUT 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 GIVEN SCANTLING EXCESS OVER BEST WEIGHT WILL NOT BE PAID FOR  
RIVET HEADS TO BE BORED PLUMB THRU POST, SIZE NOT LESS THAN GIVEN.

## CONSTRUCTION NOTE:-

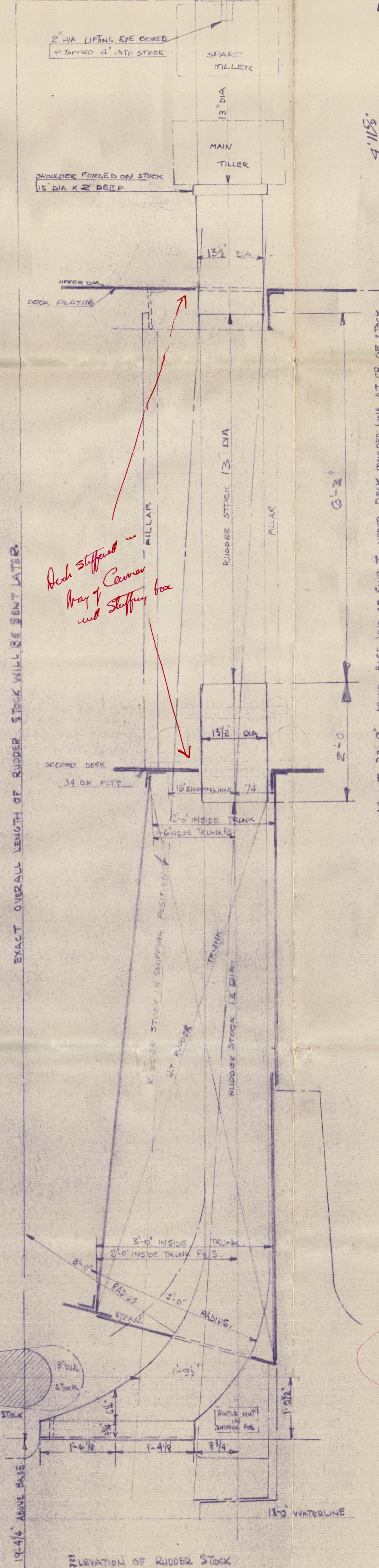
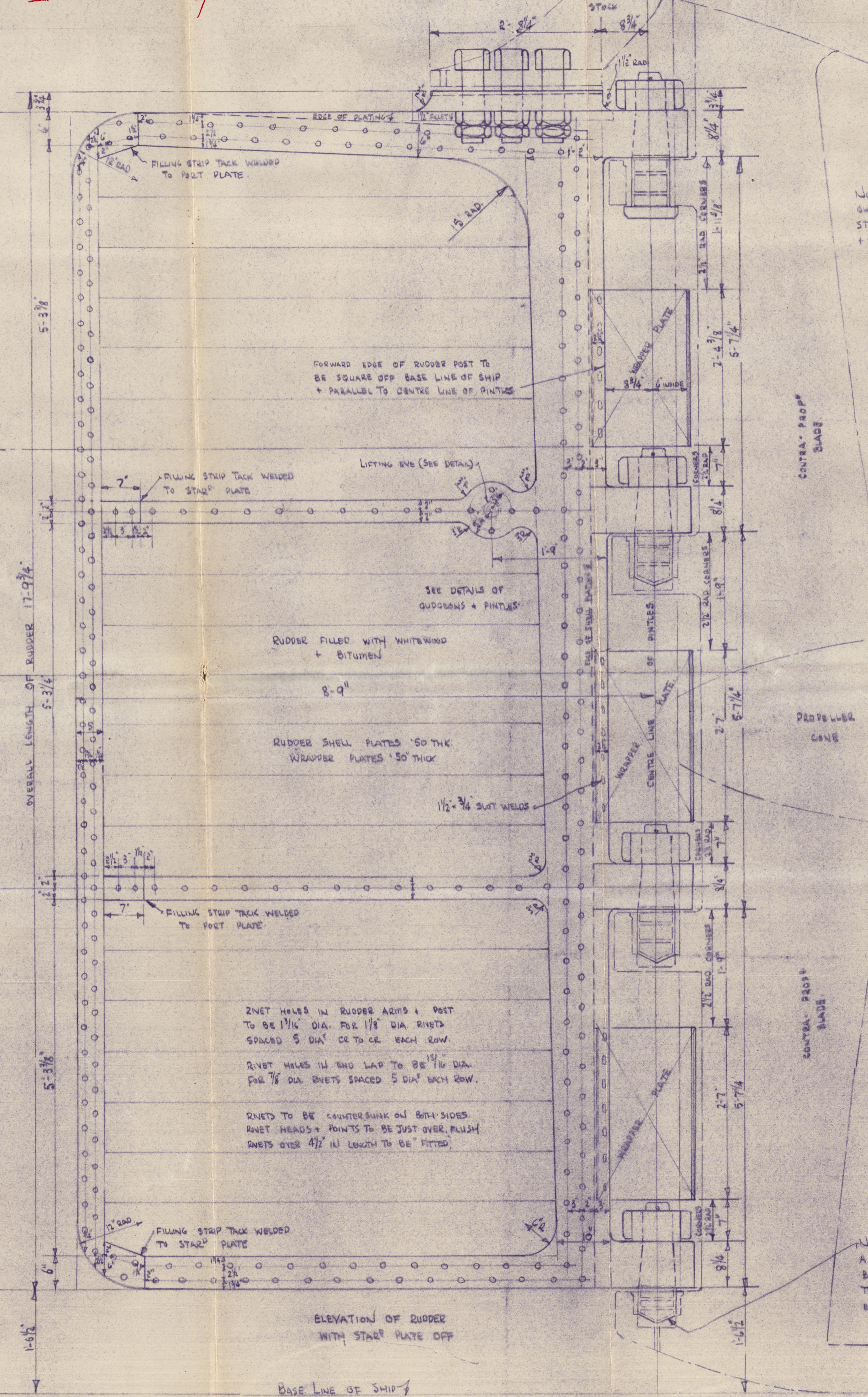
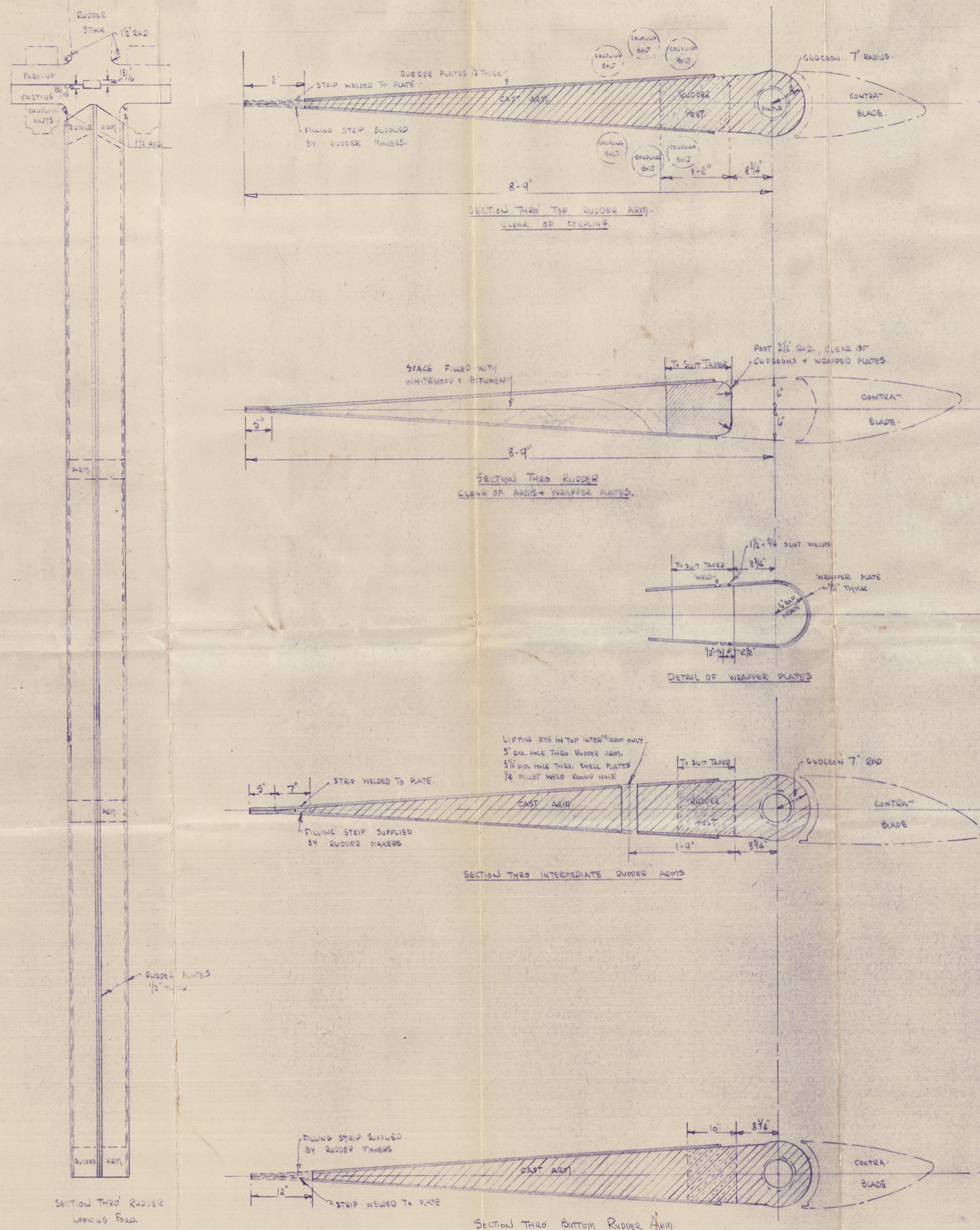
FILLING STRIPS TACK WELDED IN POSITION ON ALTERNATE RUDDER PLATES  
RUDDER FRAME LAID ON POSITION BUT TOP OF BOTTOM PLATE + BULTED TIGHT  
ALL INSIDE SURFACES OF RUDDER (BOTH PLATES) COATED WITH BITUMEN  
WHITENESS PLANKS FITTED IN EACH COMPARTMENT + COATED WITH BITUMEN  
TOP PLATE LAID ON POSITION, + ENTIRE RUDDER FWD + RIVETED COMPLETE  
WRAPPER PLATES WELDED ON + RIVETED BOUND LIFTING EYE

RUDDER COUPLING TO BE SUPPLIED  
COMPLETE BY RUDDER MARKERS  
COUPLING FINISH SURFACES TO BE FINISHED.

COUPLING KEY 3/4" x 1 1/2" AT ATTEND  
TAPERING TO 3/4" x 1 1/2" AT FOOT TWO  
WHEN PLANT NOT DONE  
7/8" DIA SET SCREW TO KEY

DETAIL OF RUDDER COUPLING  
COUPLING 3 1/2" DIA  
COUPLING FLANGES 3 1/2" THICK  
SIX 1/2" DIA FITTED STEEL BOLTS  
WITH DOUBLE NUTS + COTTER PINS  
BOLTS 2 1/2" PITCH CENTRE DIA  
CARE TO BE TAKEN THAT NUTS DO NOT DRILL

S. L. L. & E. M. M. L.



Corner of Solid Section  
of rudder to be slightly  
rounded

APPROVED  
LLOYD'S REGISTER OF SHIPPING  
APPROVED for 1/3 61-62 with additional  
amendments circled thus: *Hickman* DATE 3-5-39  
APPROVED for 1/8 63-64 with additional amendments circled thus: *Hickman* DATE 5-10-39



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Messrs Blythwood & Co

Yard 2052  
+ 61 + 62  
" 63 + 64.

Rudder.

52 San Demetris  
GLASGOW REPORT No 60510

61 Larkdale  
GLASGOW REPORT No 63100

62 Lenhydale  
GLASGOW REPORT No 63410

63 Empire Jet  
GLASGOW REPORT No 64260

N/W 'Regent Jaguar'



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Lloyd's Register  
Foundation

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