

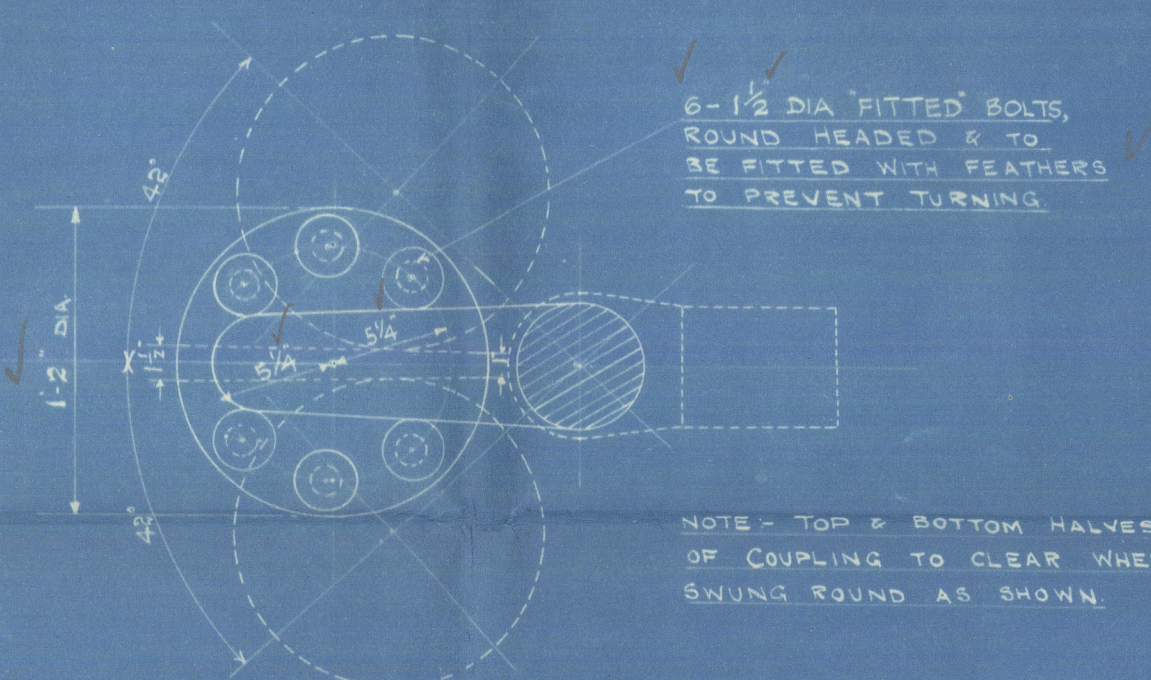
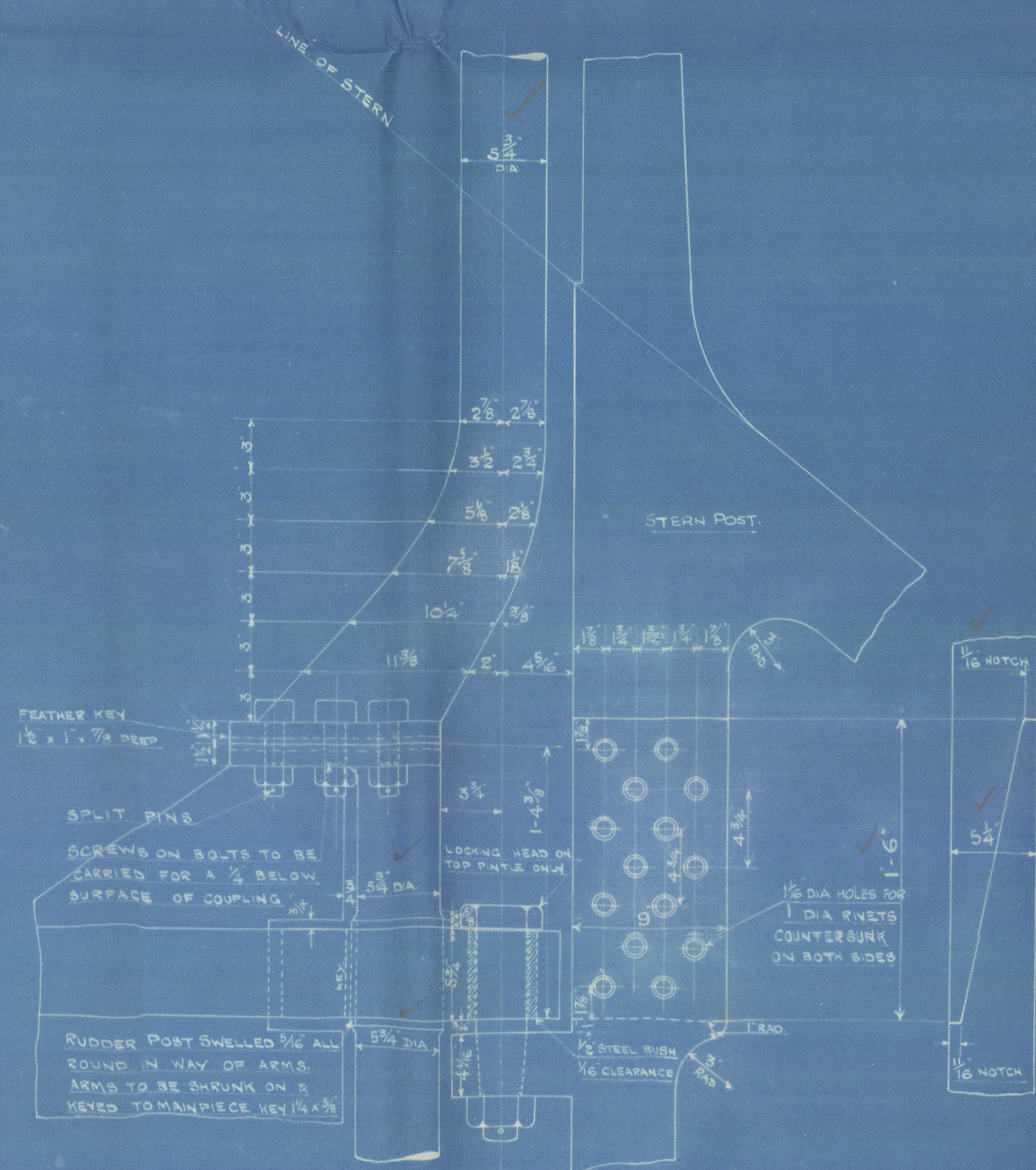
# Nos 59 & 60, & 61. 474/5. **RUDDER FRAME.**

FORGING. ARMS TO BE SHRUNK ON & KEYED TO PASS LLOYD'S SURVEY.

AREA OF RUDDER 58.44 SQ. FT.  
 CENTRE LINE OF PINTLES FORM OF MAINPIECE 3 3/4 INS.  
 CENTRE OF GRAVITY ABAFT Q OF PINTLES 2.44 FT.  
 $A \times D = 58.44 \times 2.44 = 142.59$   
 SPEED UNDER 10 KNOTS. RULE DIA OF RUDDER HEAD 5 3/4 INS.

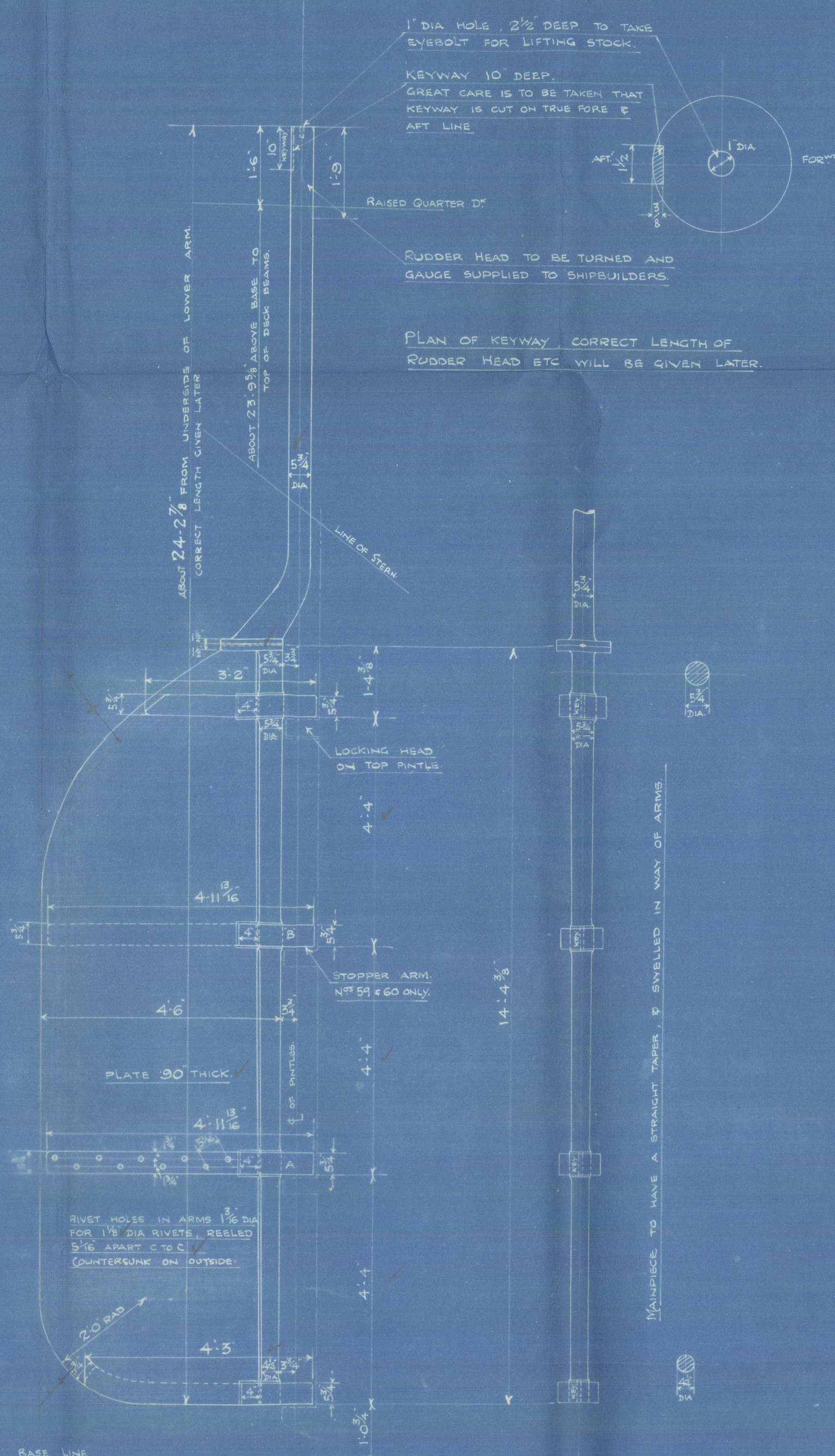
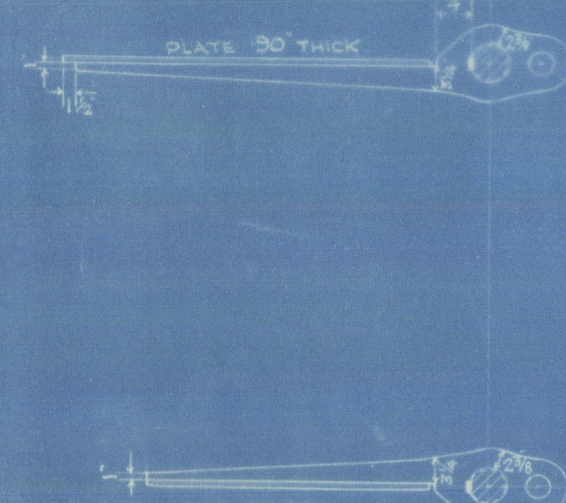
RUDDER STOCK & MAINPIECE TO BE OF FORGED STEEL, & TO BE COUPLED TOGETHER WITH 6 - 1 1/2" DIA FITTED BOLTS. ARMS OF FORGED IRON. LOCKING HEAD ON TOP PINTLE ONLY.  
 CARE TO BE TAKEN THAT CENTRES OF PINTLES ARE IN LINE SO THAT THE COUPLING MACHINED & TO BE A GOOD FIT.  
 RUDDER WILL BE A GOOD WORKING FIT, ALSO TO BE SQUARE TO BASE LINE.  
 ALL MACHINING & DRILLING TO BE DONE BY MAKERS.  
 ALL TO BE MADE TO LLOYD'S REQUIREMENTS & TO BE INSPECTED & PASSED BY THEIR SURVEYOR & OUR REPRESENTATIVE BEFORE LEAVING MAKERS WORKS.  
 ANY ALTERATIONS TO BE NOTIFIED TO THE FURNACE SHIPBUILDING CO LTD. DIMENSIONS SHOULD BE CAREFULLY WORKED TO AS WE ONLY PAY ON WEIGHTS CALCULATED TO THESE DIMENSIONS.  
 RUDDER FRAME TO BE FITTED TO STERN FRAME OR MADE TO TEMPLATE TAKEN FROM STERN FRAME.  
 PORTABLE PINTLES OF TURNED STEEL TAPERED & SCREWED UP TIGHT WITH NUT & SPLIT PIN. ALL SUPPLIED BY RUDDER MAKERS.  
 PINTLES TO HAVE 1/2" STEEL BUSH.

WRITTEN DIMENSIONS ONLY TO BE TAKEN.



DETAIL OF COUPLING, TOP PINTLE, & SCARP ETC  
 SCALE 1/2" = 1 FT.

ARMS ROUND MAINPIECE 2 3/4" THICK  
 ARMS AT MAINPIECE 5 1/2" x 3 1/4"  
 ARMS AT POINT 5 1/2" x 1"



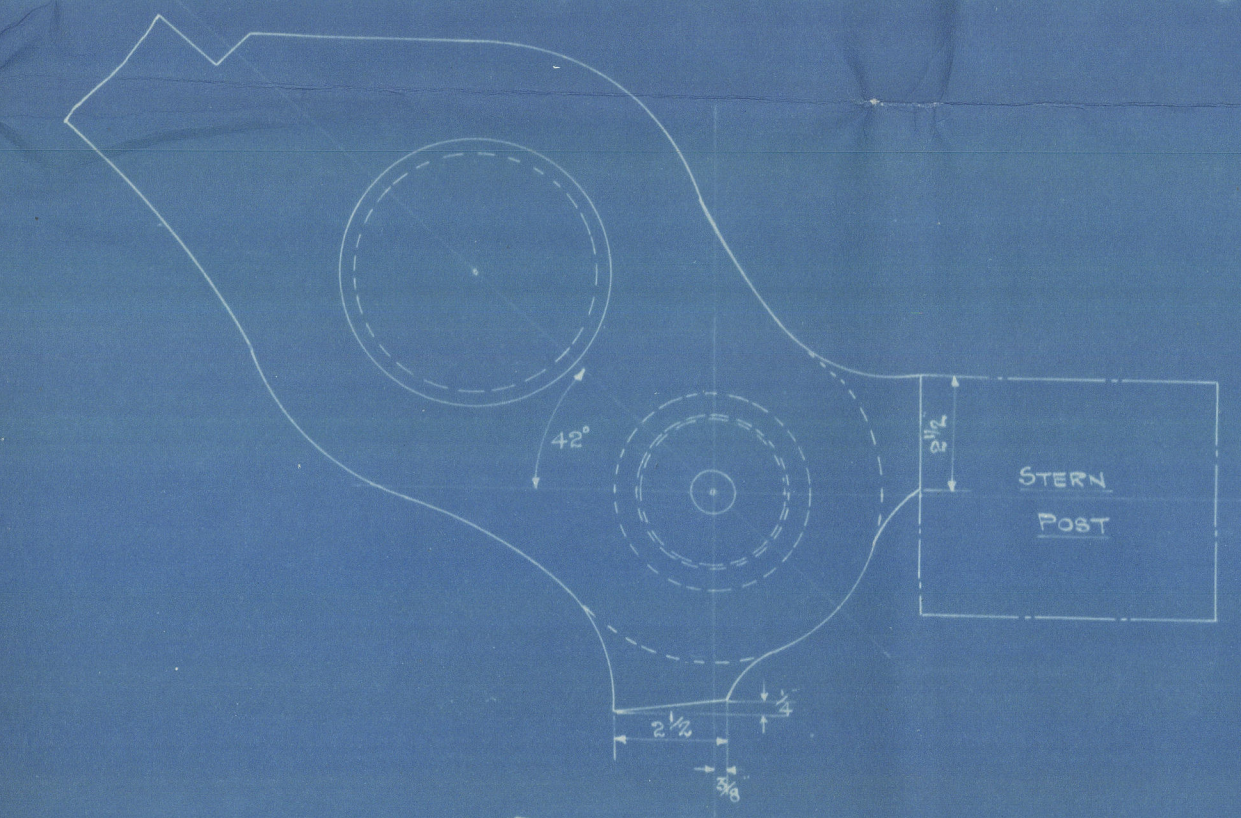
SCALE 1/2" = 1 FOOT.

# Nos 59 & 60, & 61. & 67. 474/5. **STERN FRAME.**

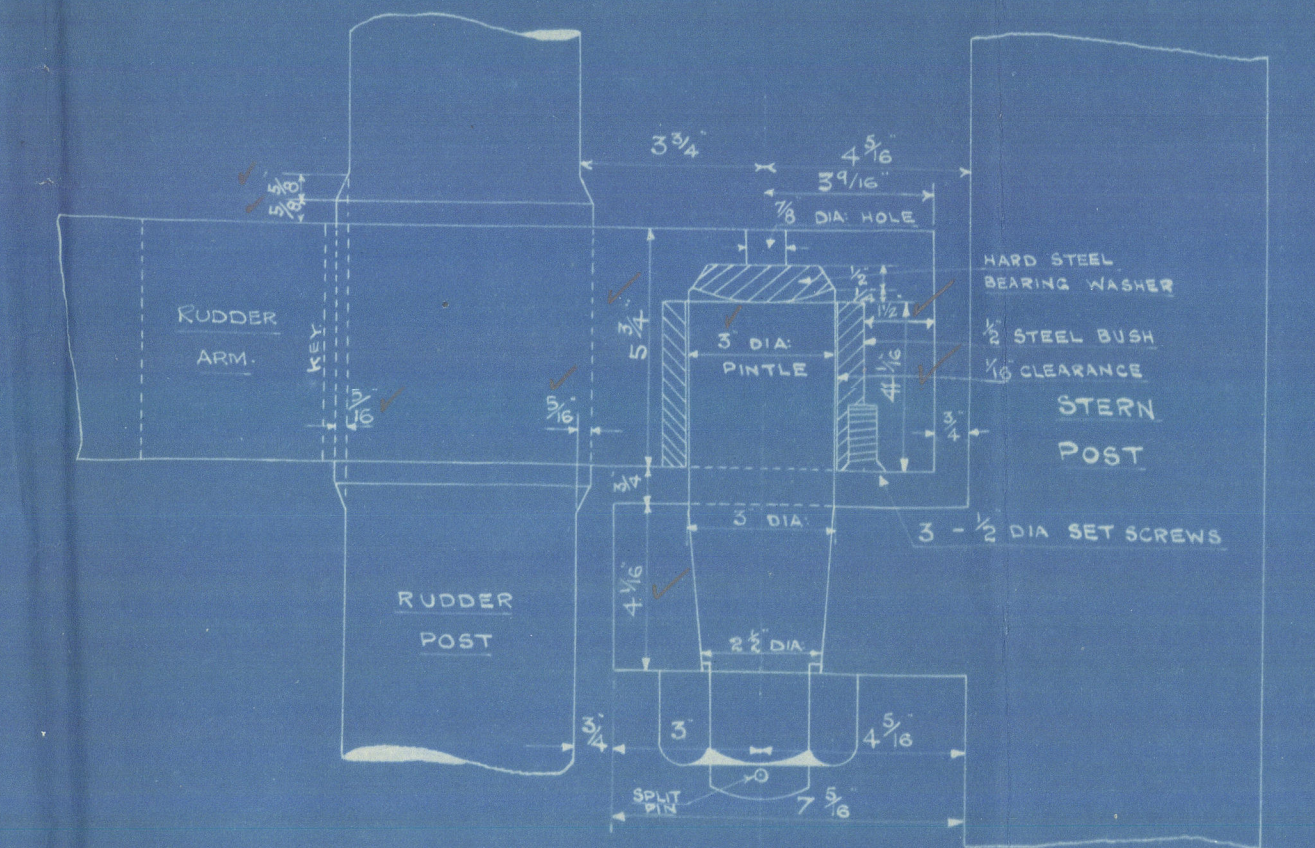
FORGING. TO PASS LLOYD'S SURVEY.

L x D = 4288.

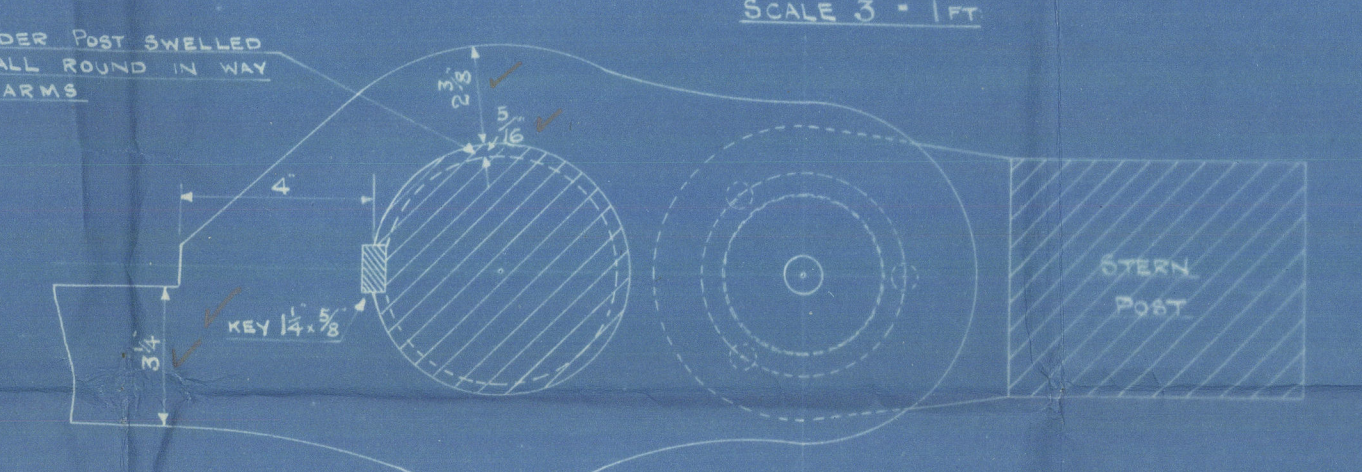
STERN FRAME TO BE OF FORGED IRON.  
 GREAT CARE TO BE TAKEN THAT CENTRE OF HOLES IN STERN FRAME GUDGEONS BE BORED TO DIMENSIONS SHOWN, & MUST BE IN A STRAIGHT LINE, ALSO TO BE SQUARE TO BASE LINE.  
 SCARPHS TO BE MACHINED & TO BE A GOOD FIT.  
 ALL MACHINING & DRILLING TO BE DONE BY MAKERS.  
 ALL TO BE MADE TO LLOYD'S REQUIREMENTS & TO BE INSPECTED & PASSED BY THEIR SURVEYOR & OUR REPRESENTATIVE BEFORE LEAVING MAKERS WORKS.  
 ANY ALTERATIONS TO BE NOTIFIED TO THE FURNACE SHIPBUILDING CO LTD. DIMENSIONS SHOULD BE CAREFULLY WORKED TO AS WE ONLY PAY ON WEIGHTS CALCULATED TO THESE DIMENSIONS.  
 NO SHARP EDGES ON FORGING WHERE EXPOSED, CORNERS TO BE ROUNDED OFF.  
 HARD STEEL BEARING WASHERS TO BE FITTED AS SHOWN.  
 STERN FRAME MAKERS TO SUPPLY RUDDER MAKERS WITH PARTICULARS OF SPACING OF GUDGEONS AS MADE, ALSO GAUGE FOR PINTLES.



DETAIL OF STOPPER  
 SCALE 3/4" = 1 FT.  
 NOS 59 & 60 ONLY.

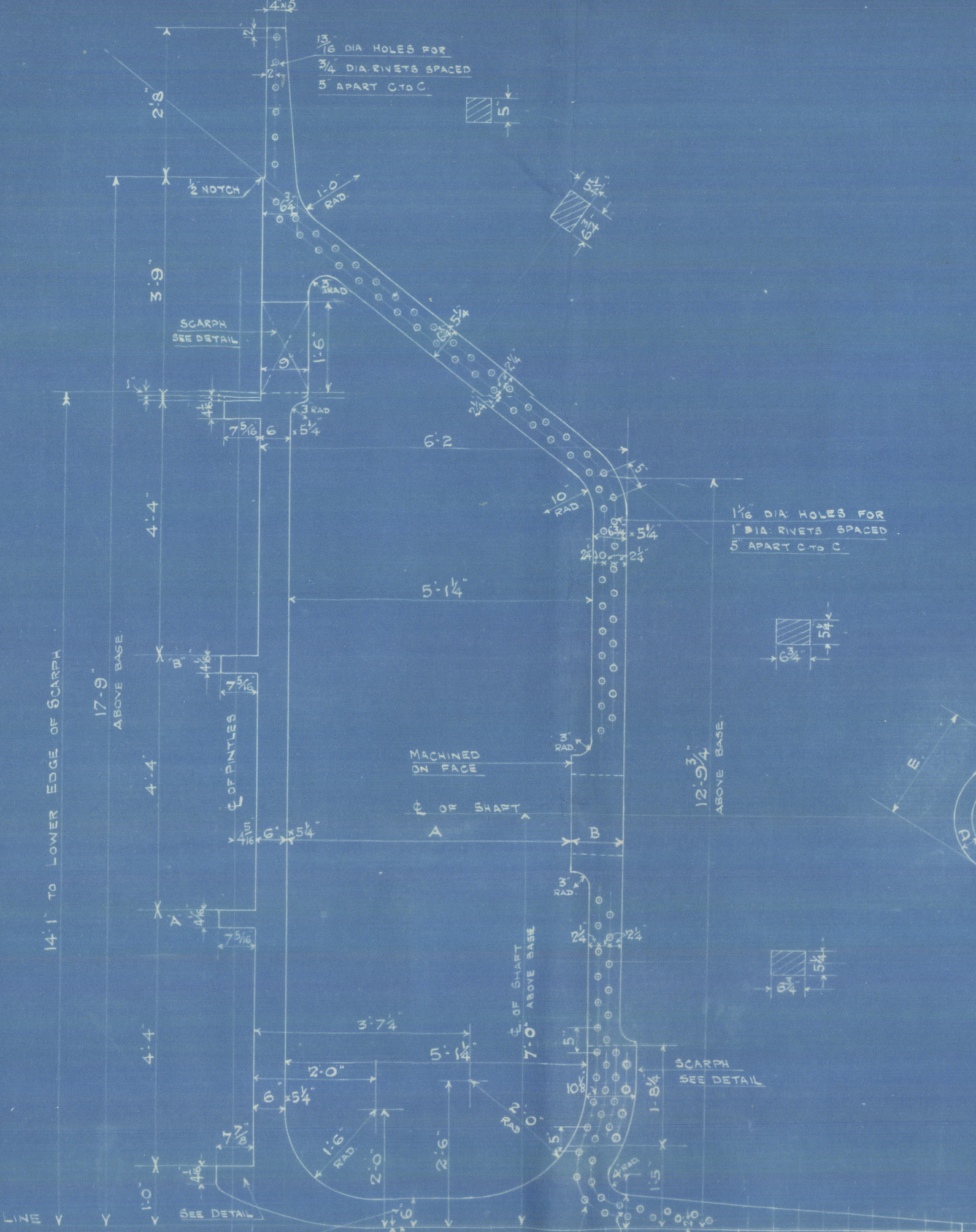


DETAIL OF GUDGEONS A & B  
 SCALE 3/4" = 1 FT.

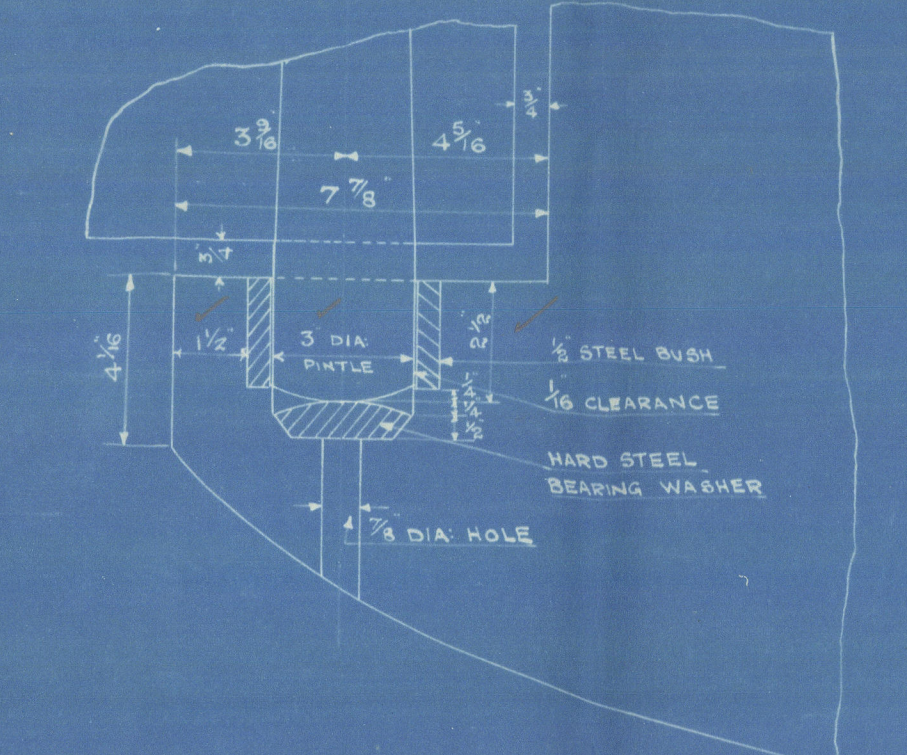


SHIP NO	A	B	C	D	E	FORMED DIA OF BUSH
59 & 60	4'-3"	11"	1'-4 1/2"	3 3/8"	1'-11"	1'-4 1/2"
61	4'-8"	1'-0"	1'-6 3/4"	3 1/4"	2'-1 1/2"	1'-7"

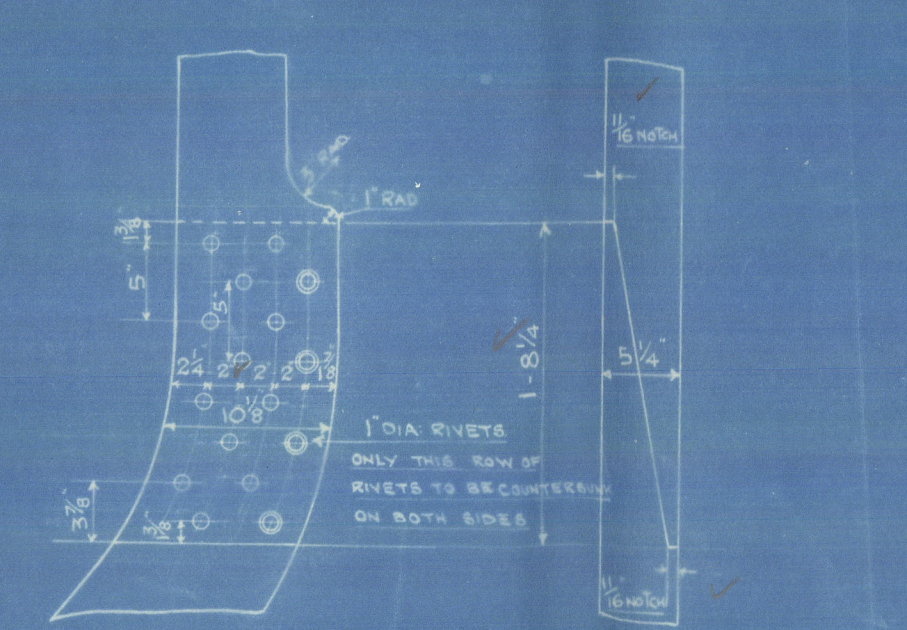
Base with shoulder (see detail)



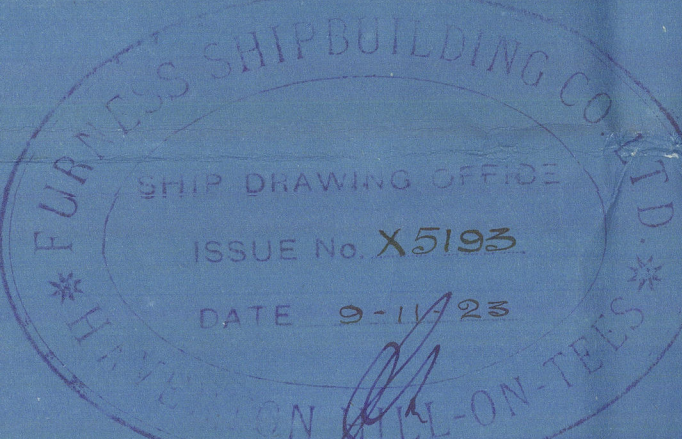
SCALE 1/2" = 1 FOOT.



DETAIL OF BOTTOM GUDGEON  
 SCALE 3/4" = 1 FT.



DETAIL OF SCARP  
 SCALE 1/2" = 1 FT.



No 5.5300



Jones Ship's Co.

S.S. Nos 59.60 + 61 + 67.

Amended Rudder & Stern  
Trans.

Snd  
esc.

S.S. "Inatintoe" (No. 59).  
MDB. RPT. No. 11910

S.S. <sup>W</sup> Lamberhane (No. 60)  
MDB. RPT. No. 11939

S.S. <sup>W</sup> Loagston (No. 61)  
MDB. RPT. No. 11954

S.S. <sup>W</sup> Vale of Snowdon (No. 62)  
MDB. RPT. No. 12060

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