

SHIP N^{OS} 837-8-9

STERN AND RUDDER FRAMES.

SCALE $\frac{1}{2}" = 1 \text{ FT.}$

OF FORGED STEEL TO PASS BRITISH CORPORATION TESTS.

TO CLASS B.S. * FOR SERVICE ON THE GREAT LAKES AND GULF OF ST. LAWRENCE

AREA ABAFT $\frac{1}{2}$ OF STOCK = 75.08 $\frac{1}{2}$ AREA FWD $\frac{1}{2}$ OF STOCK = 21.73 $\frac{1}{2}$ SPEED 9 KNOTS.

C.G. ABAFT $\frac{1}{2}$ OF STOCK = 1.99 FT. C.G. ABOVE BASE LINE 7.61 FT.

16.6" Draught

NOTE :-

ALL MACHINING & DRILLING TO BE DONE BY MAKERS
FRAME NOT TO BE PAINTED BUT HAVE ONE COAT OF OIL.
CENTRE LINE OF BEARING GUDGEON, BOTTOM GUDGEON &
MAIN PIECE TO BE IN A STRAIGHT LINE & SQUARE TO BASE LINE
WEIGHT OF FRAME TO BE PAINTED ON BEFORE DISPATCH

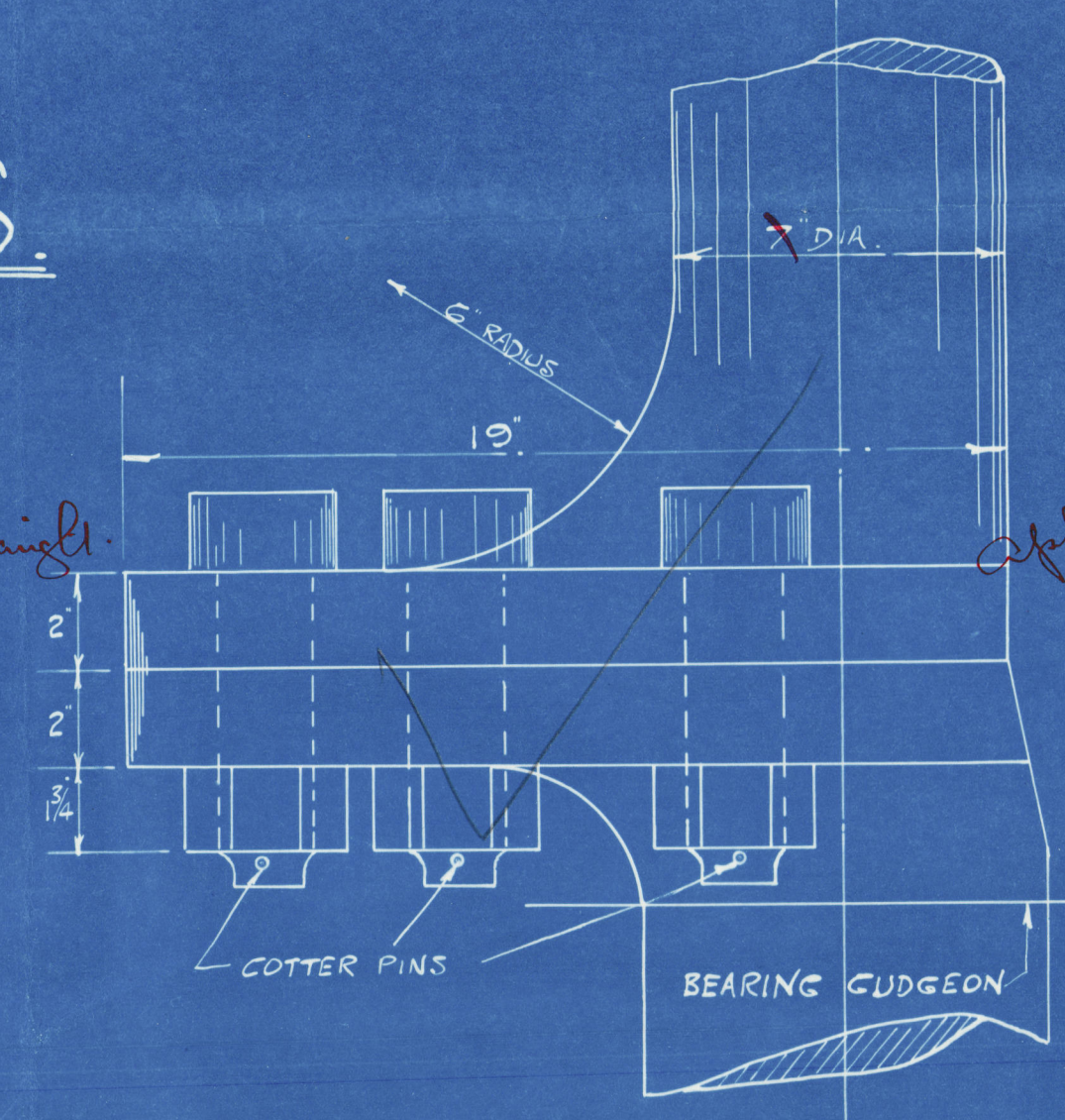
RUDDER FRAME: $\frac{5}{16}$ BRASS LINER TO BE CAST & GROOVED
GROOVES TO BE $\frac{5}{8}$ " WIDE & $\frac{1}{8}$ " DEEP. STOCK TO BE INCREASED
 $\frac{3}{4}$ " IN DIA. IN WAY OF ARMS. THE INCREASE TO BE UNIFORM &
EXTEND ABOVE AND BELOW EACH ARM EXCEPT THE BOTTOM
OF THE LOWER ARM FOR A DISTANCE OF $\frac{1}{2}$ " & THEN TAPERED
OVER A SIMILAR DISTANCE INTO THE NORMAL DIA.

STERN FRAME: SPECIAL CARE TO BE TAKEN THAT HEIGHT OF
CENTRE OF SHAFT ABOVE BASE LINE IS CORRECT & THICKNESS OF
BOTTOM PIECE NOT EXCEEDED.

ANY ALTERATIONS MADE TO BE NOTIFIED TO
MESSRS. SMITHS DOCK CO. LTD.
KEYWAYS TO BE ACCURATELY CUT TO DIMENSIONS GIVEN.

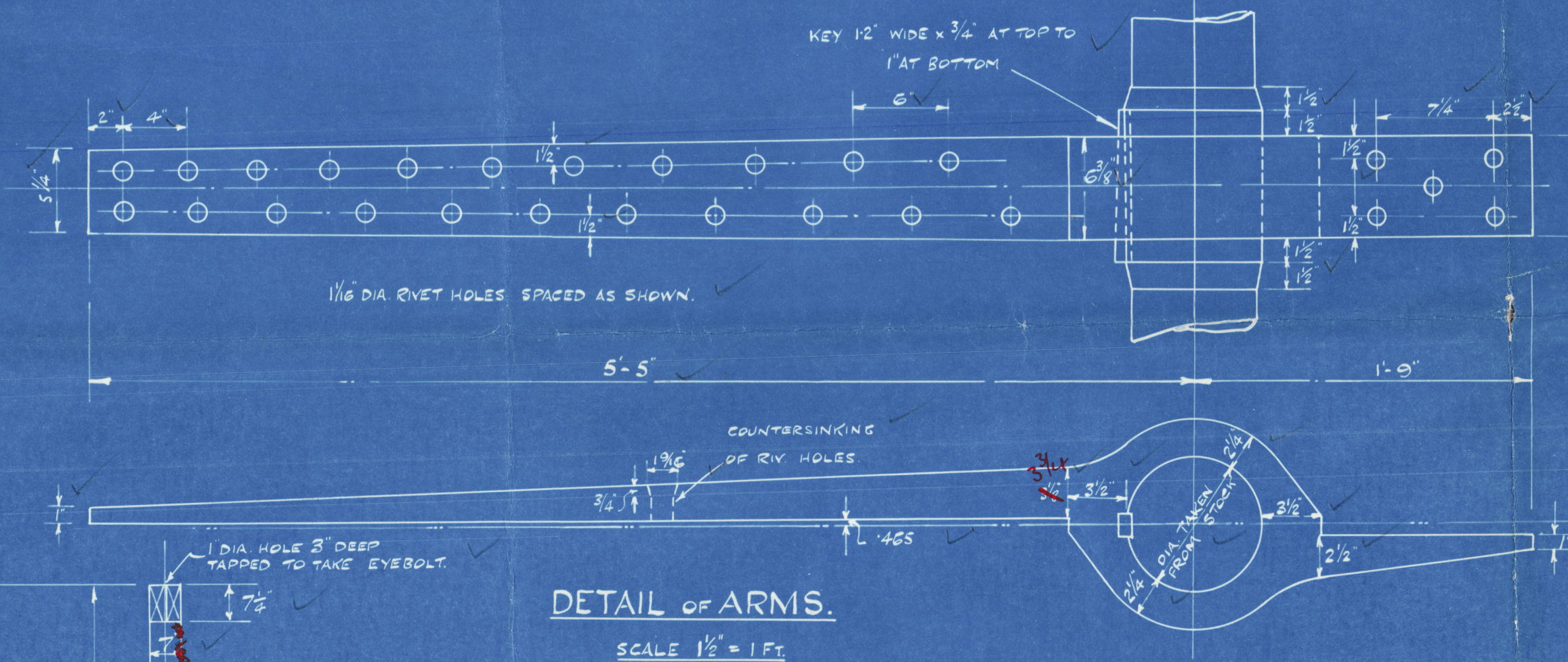
DETAIL OF COUPLING

SCALE $3" = 1 \text{ FOOT.}$



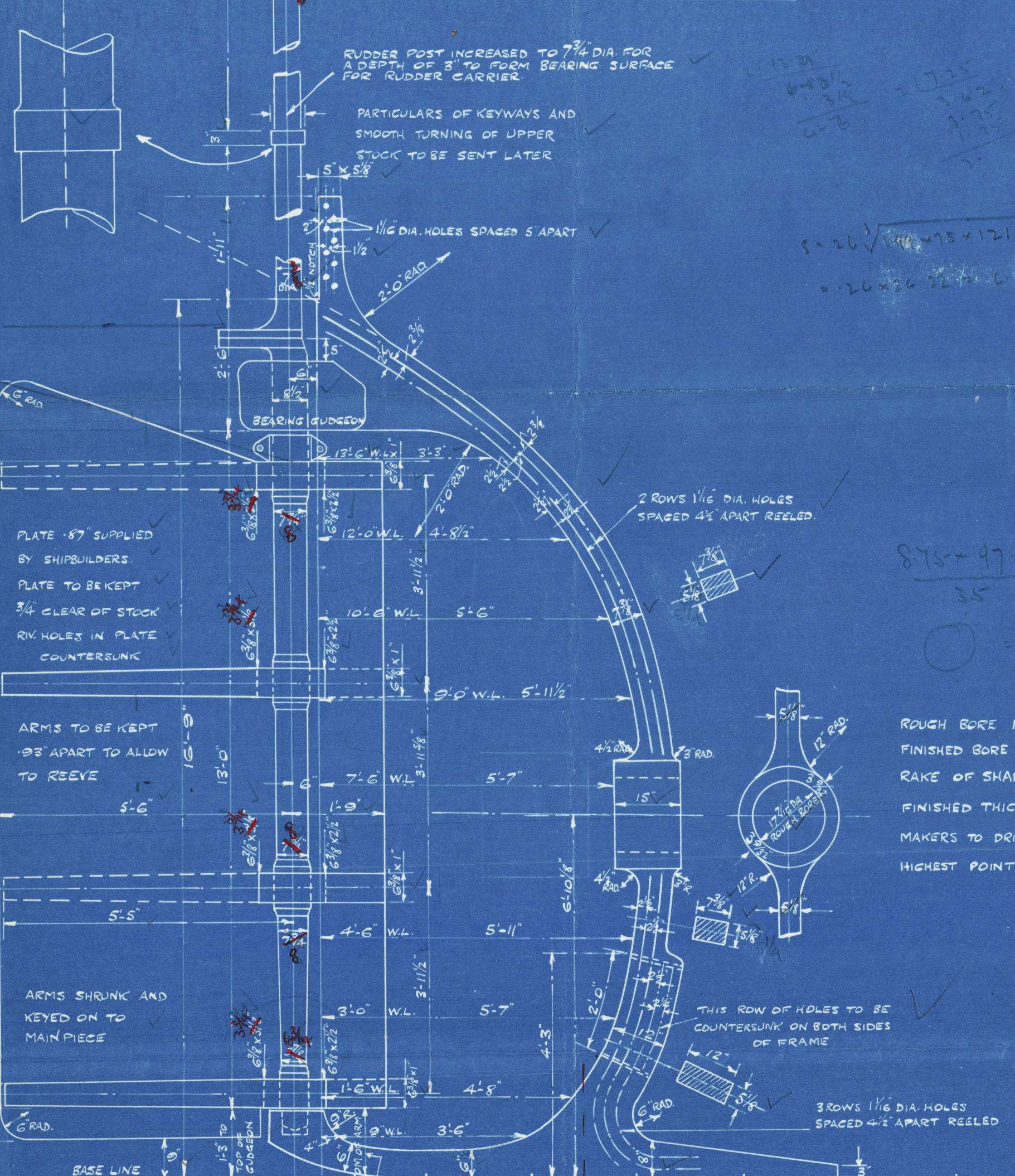
26.00.10.27

Approved
26.10.27



DETAIL OF ARMS.

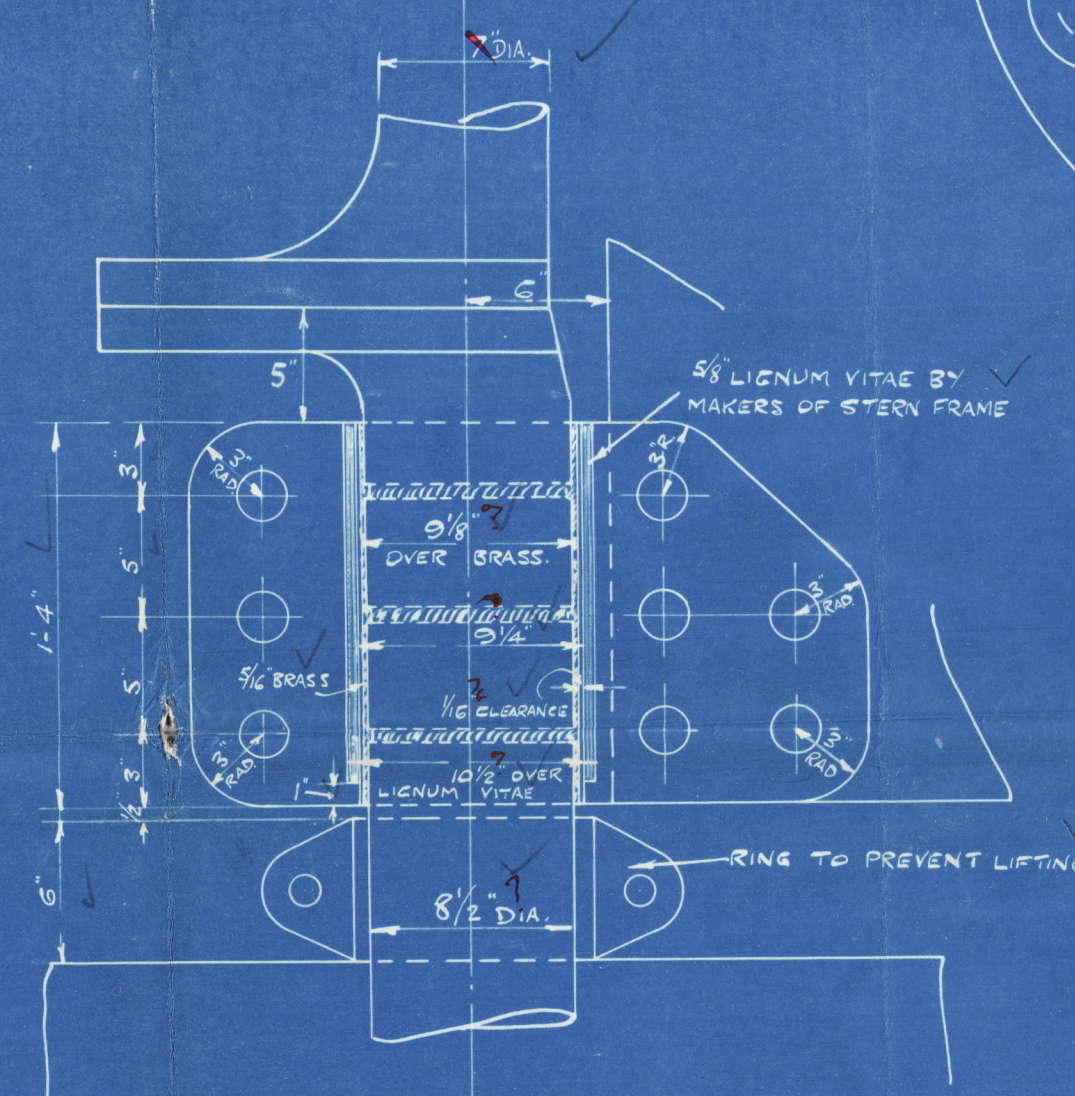
SCALE $\frac{1}{2}" = 1 \text{ FT.}$



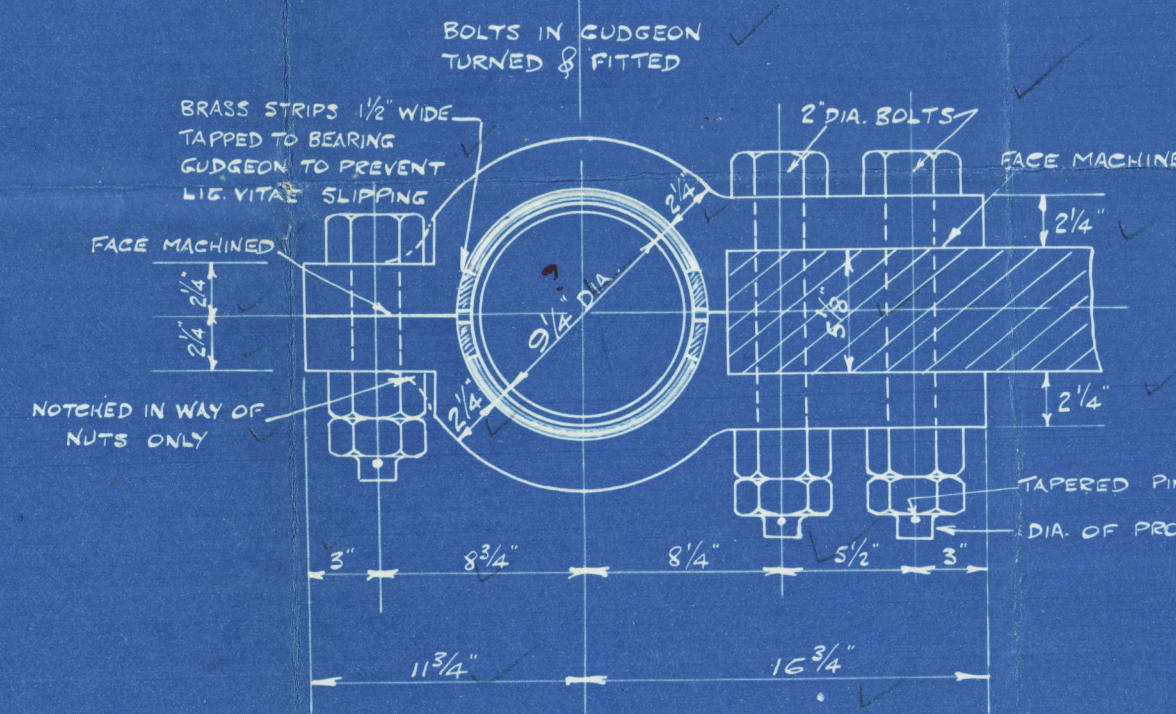
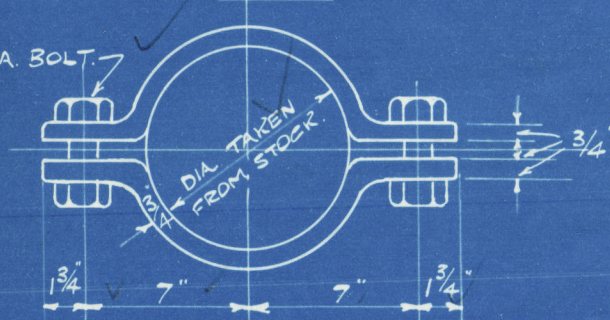
$$\frac{875 + 97.5 \times 13.75}{35} = \frac{2509}{12}$$

$$\frac{3.14 \times D^3}{64} = \frac{5.25 \times 10^3}{12.45}$$

ROUGH BORE 17 1/16
FINISHED BORE 17 1/2
RAKE OF SHAFT PER FT.
FINISHED THICKNESS OF BOSS 3 1/4
MAKERS TO DRILL ROUGH BORE ONLY
HIGHEST POINT OF SHAFT AFT.



DETAIL OF RING TO PREVENT LIFTING

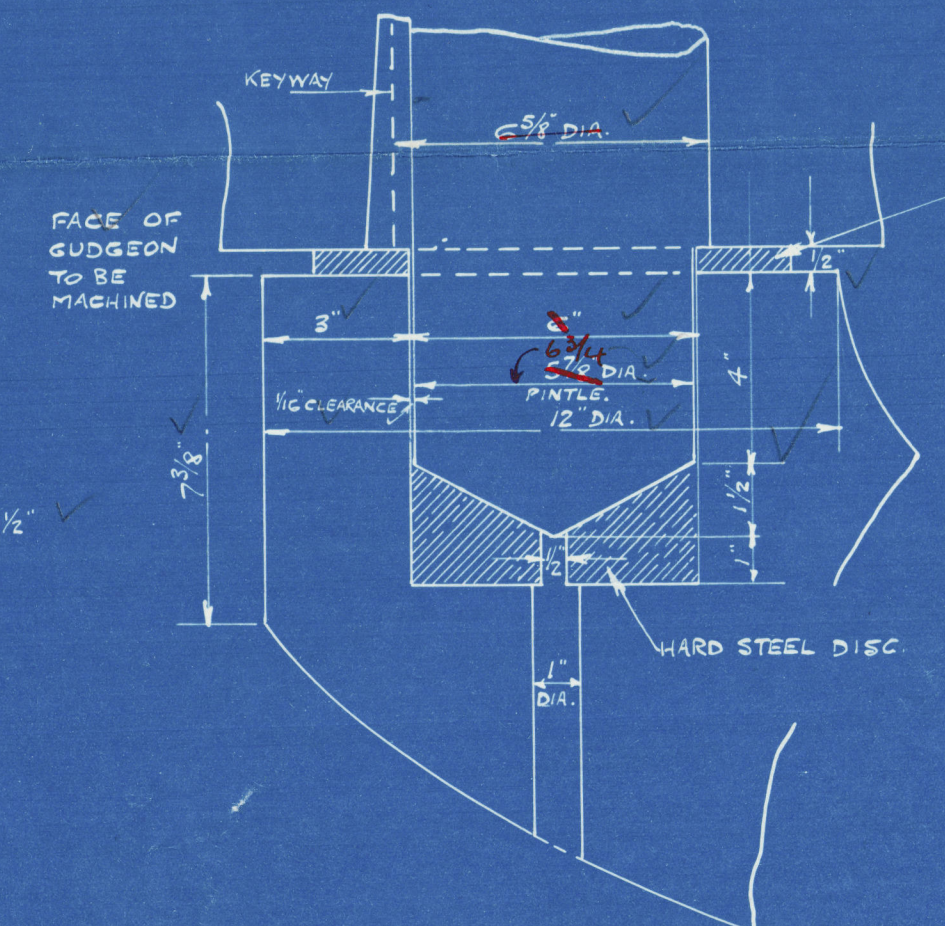
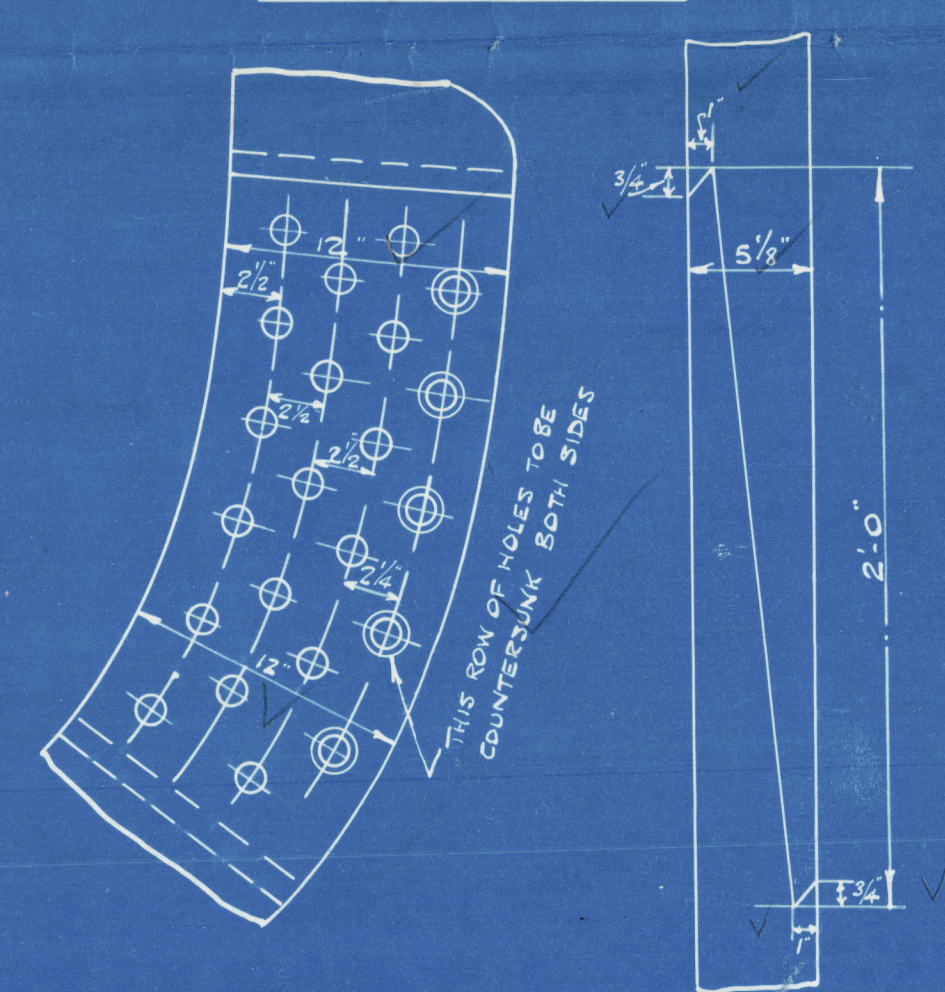


DETAIL OF BEARING AT GUDGEON

$\frac{1}{2}" = 1 \text{ FOOT.}$

DETAIL OF SCARPH

SCARPH TO BE MACHINED



DETAIL OF BOTTOM GUDGEON

TEMPLATE FOR FEET WILL BE SUPPLIED LATER

This dimension increased so that transverse strength of section will not be less than at gudgeon.

004905-004905-0122

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Rudder & Sternframe.

Smiths Dock Co.

837. 8-9.

26-10-27.

HAMILTON *

837. Deepwater, new Hamilton

838. Clearwater, new "Grenora"

839. Stillwater, new Dieymont

log



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Lloyd's Register
Foundation

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