

OIL TANKER

SHIP DIMENSIONS. 190.0 B.P. x 32.3 B⁰ MLD x 15.0 D⁰ MLD

L x D = 2850

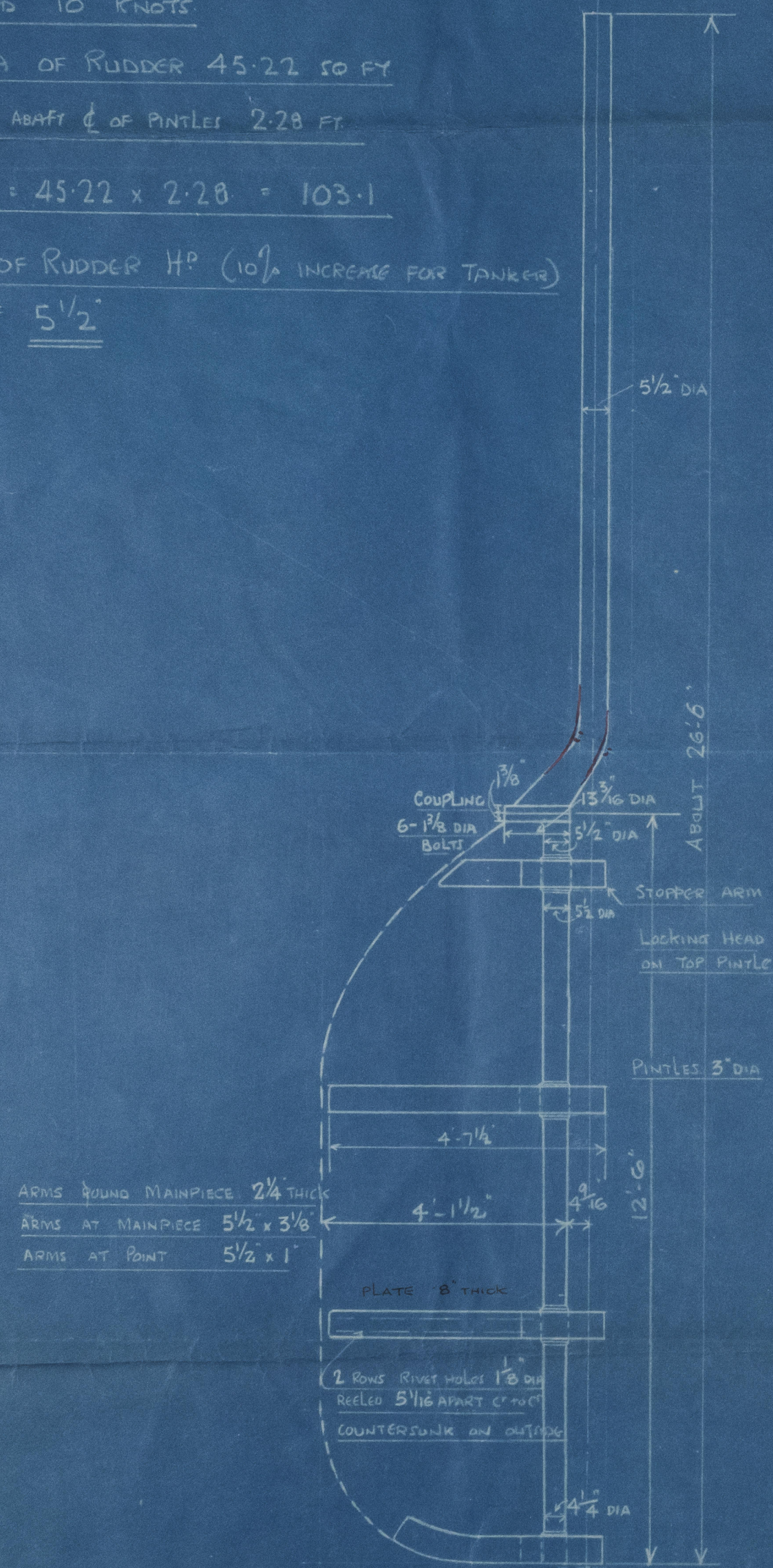
SPEED 10 KNOTS

AREA OF RUDDER 45.22 SQ FT

C.G. AFT OF PINTLES 2.28 FT.

A x D = 45.22 x 2.28 = 103.1

DIA OF RUDDER HP (10% INCREASE FOR TANKER)
= 5 1/2"



ARMS FOUND MAINPIECE 2 1/4" THICK
ARMS AT MAINPIECE 5 1/2" x 3 1/8"
ARMS AT POINT 5 1/2" x 1"

PLATE 8" THICK

2 ROWS RIVET HOLES 1 1/8" DIA
REELD 5 1/16" APART C⁰ TO C⁰
COUNTERSUNK AND OUTSIDE

1 1/4" DIA

PINTLES 3" DIA

STOPPER ARM
LOCKING HEAD
ON TOP PINTLE

COUPLING
6-1/8" DIA
BOLT

5 1/2" DIA
ABOUT 28.6"

5 1/2" DIA

No 121 SHIP.

STERN & RUDDER FRG.

Scale 1/2" = 1 FT

TO PASS LLOYDS SURVEY

RUDDER FRAME

FORGING.

ARMS THROWN ON 2 KEYED

PINTLES TO BE BRASS LINED

ALL MACHINING & DRILLING
TO BE DONE BY MAKERS

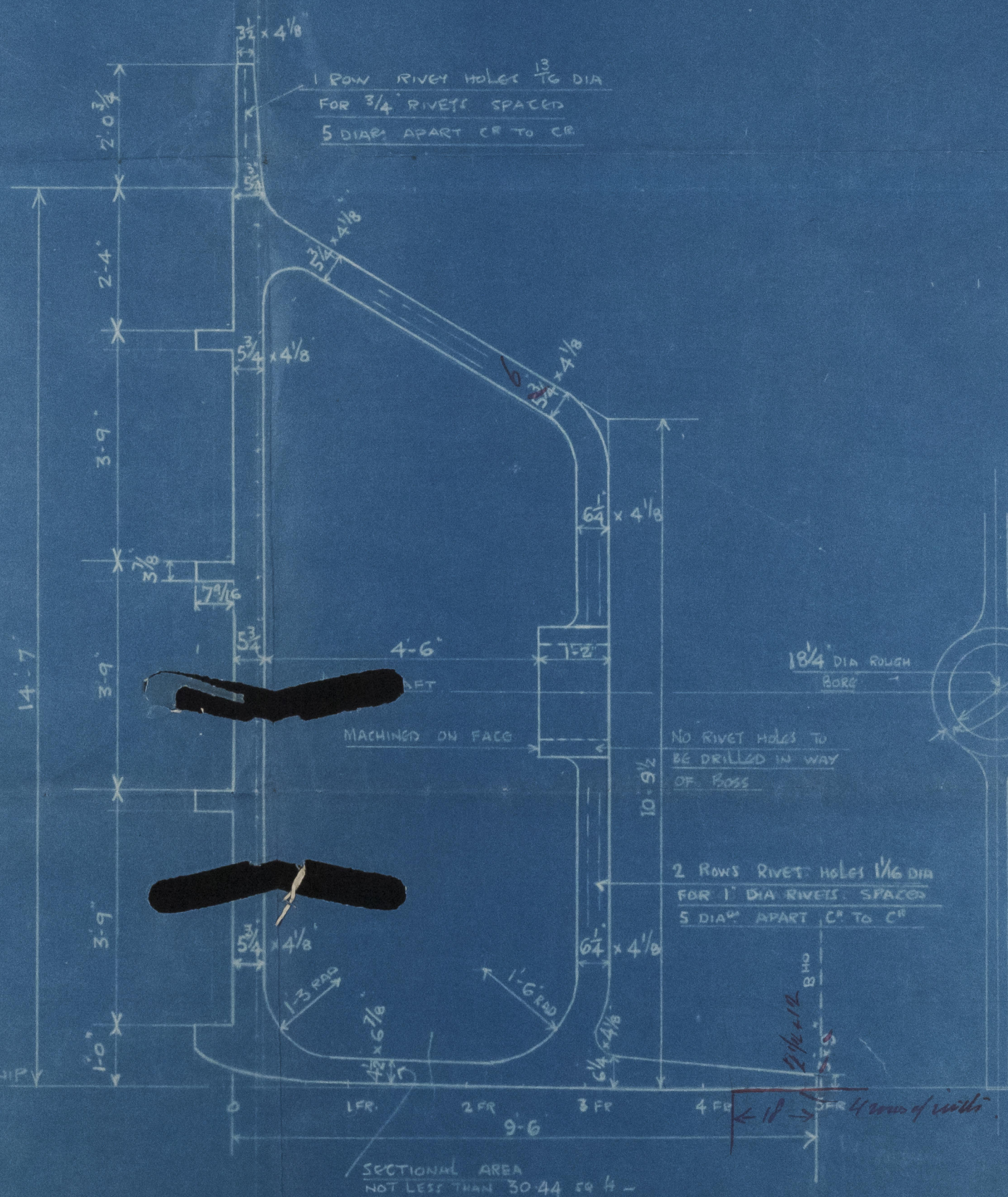
RUDDER PLATE SUPPLIED BY
SHIPBUILDERS

STERN FRAME

FORGING.

ALL MACHINING & DRILLING
TO BE DONE BY MAKERS

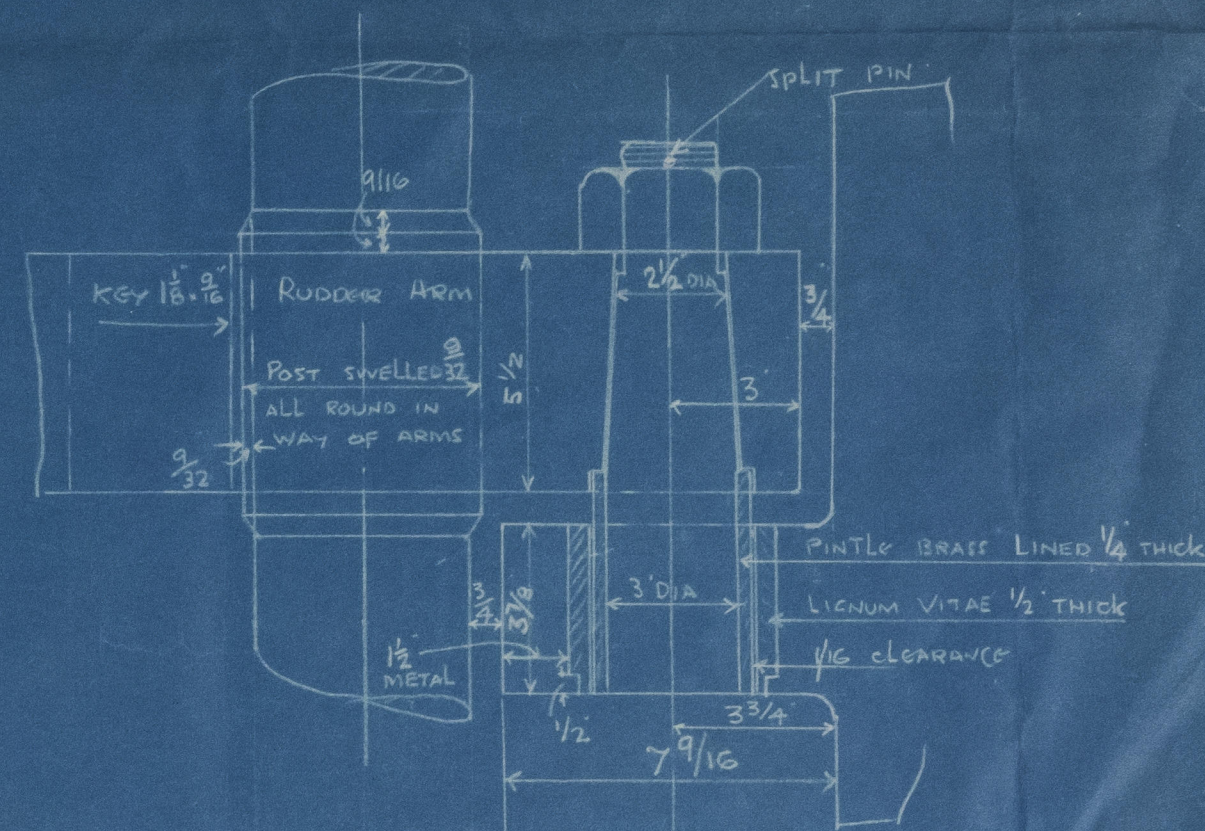
GUDGEONS TO BE FITTED WITH
LIGNUM VITAE



MACHINING ON FACE

2 ROWS RIVET HOLES 1 1/8" DIA
FOR 1" DIA RIVETS SPACED
5 DIA" APART C⁰ TO C⁰

SECTIONAL AREA
NOT LESS THAN 30.44 SQ FT

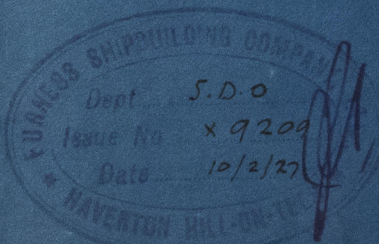


DETAIL OF PINTLE & GUDGEON

Scale 1/4" = 1 INCH

18 1/4" DIA ROUGH
BOLT

NOT LESS THAN
2.58" THICK FINISHED



4)

Wm. S. Turner. Esq.

No 121.

Stern Frame. & Rudder.

S.S. Otterhound.

Dr. Rpt. No

S.S. Otterhound
MDB. RPT. No. 7

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Lloyd's Register
Foundation

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