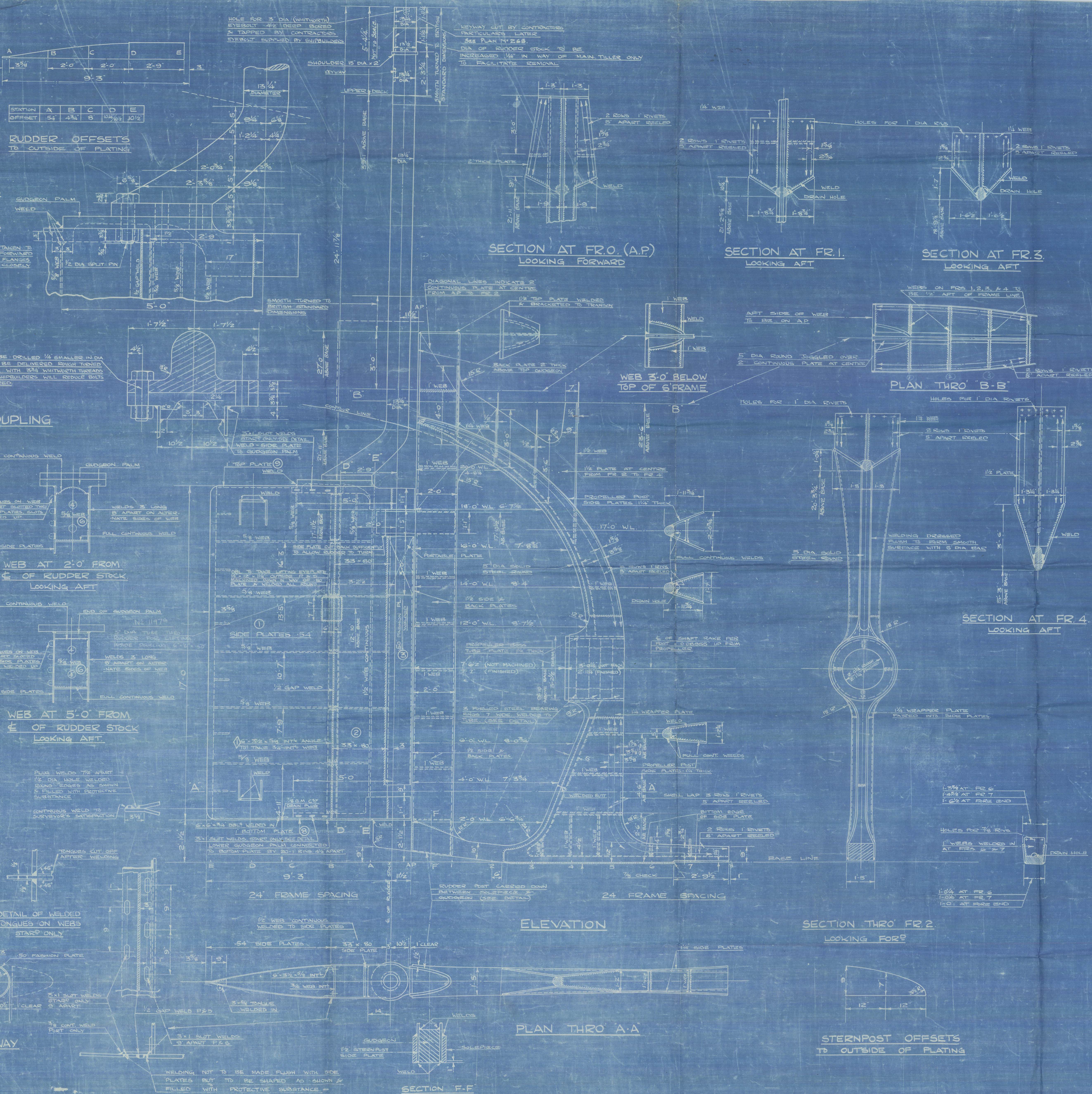


No. 1969 & 11979

STERNFRAME AND RUDDER PLAN.

SCALE: - 1/2" = 1 FOOT

1969 To Lloyd's Tests and Requirements
1979 To British Corporation Tests & Requirements



PARTICULARS FOR RUDDER

SPEED OF VESSEL = 11 1/2 KNOTS
MAXIMUM RUDDER ANGLE = 35°
RUDDER AREA (ABAFT C. OF PINTLES) (A) = 157.25 sq. ft.
C.G. OF RUDDER (D) = 4.6 FT.
A x D = 157.25 x 4.6 = 723
DIA. OF RUDDER STOCK (RULE + 10%) = 13 1/4"

RUDDER MATERIALS

RUDDER STOCK - FORGED STEEL
PINTLES - CAST STEEL
TOP & BOTTOM ARMS & GUDGEONS - CAST STEEL

STERNFRAME MATERIALS

SOLE PIECE - FORGED STEEL
STERNFRAME GUDGEONS -

Estimated weight:
Rudder stock = 6 Tons
Upper Arm = 135 lbs
Lower Arm = 110 lbs
Total = 6 Tons 145 lbs

~~BT~~

"Empire Grenada"

Harland & Wolff Ltd

Nº 1197 G

Stem frame & Rudder

"Empire Grenada"

GLASGOW REPORT NO

70619

6

n.n. "British Piper"



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Lloyd's Register
Foundation

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