

908
16-12-11

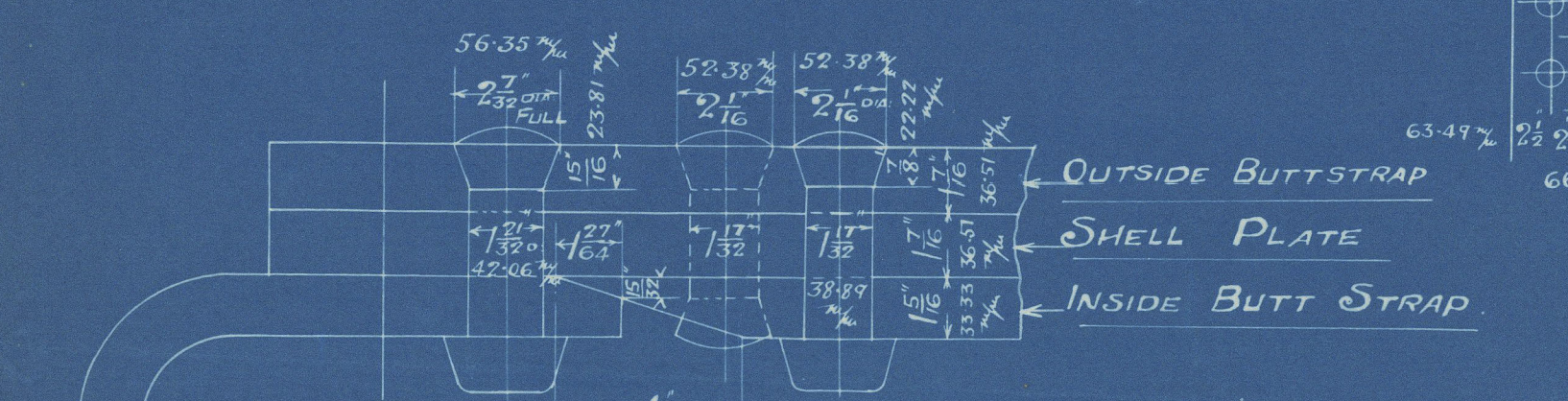
BOILER CONTRACT N° 712. 723.

MESSRS SWAN, HUNTERS & S. N° 912. 931.
CONSTRUCTED TO PASS BOARD OF TRADE LLOYDS & HAMBURG BOARD OF POLICE REQUIREMENTS
3. OFF THIS

MATERIAL

PLATES STEEL
RIVETS "
STAYS IRON
TUBES "

DETAIL OF SHELL RIVETING & TUCKING IN OF BUTT STRAPS

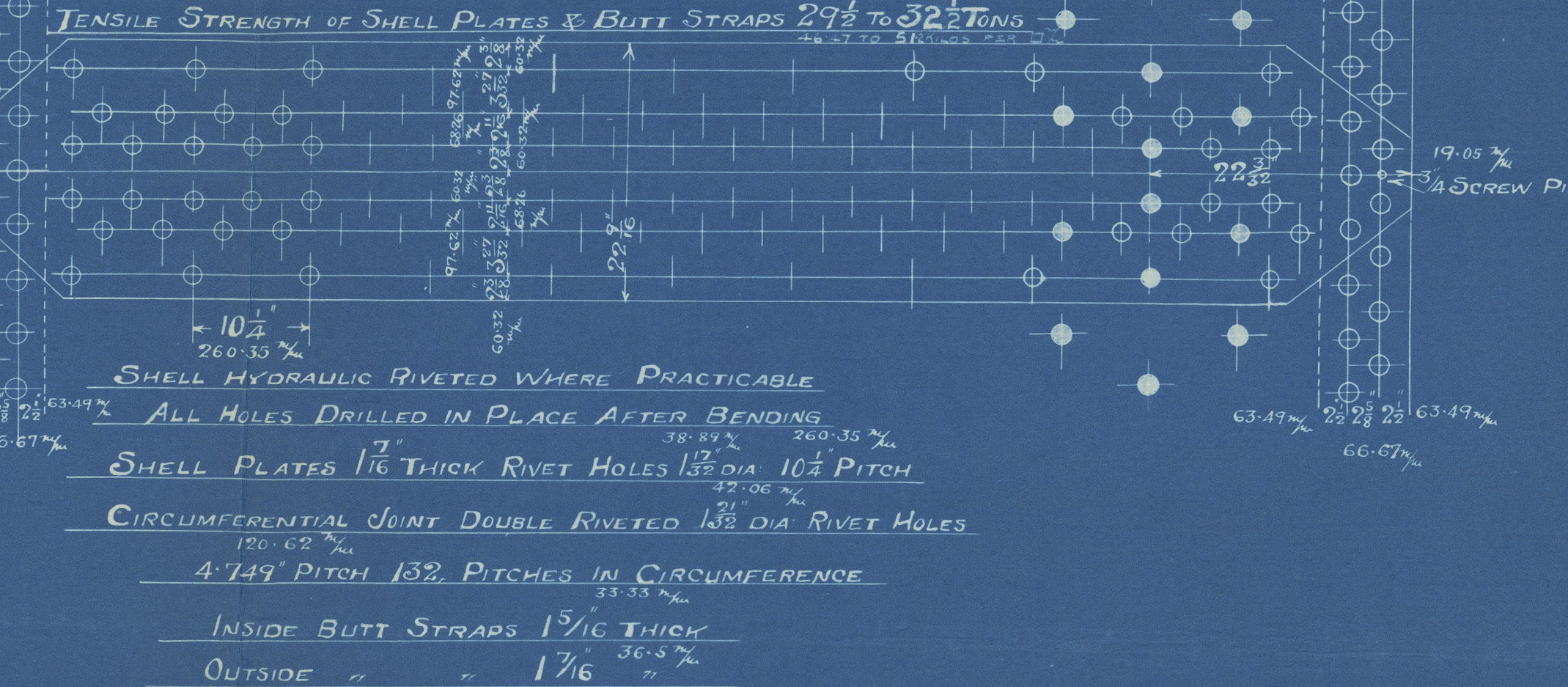


SPARE GEAR

20. PLAIN TUBES

LIFTERS 16-5-12 STAR? BOILER ONLY
MANHOLES 16-5-12.

PLAN OF SHELL RIVETING
STRENGTH OF JOINT
PLATE 85%
RIVET BOARD OF TRADE 91.4%
RIVET LLOYDS 72.9%
RIVET HAMBURG BOARD OF POLICE 86.6%

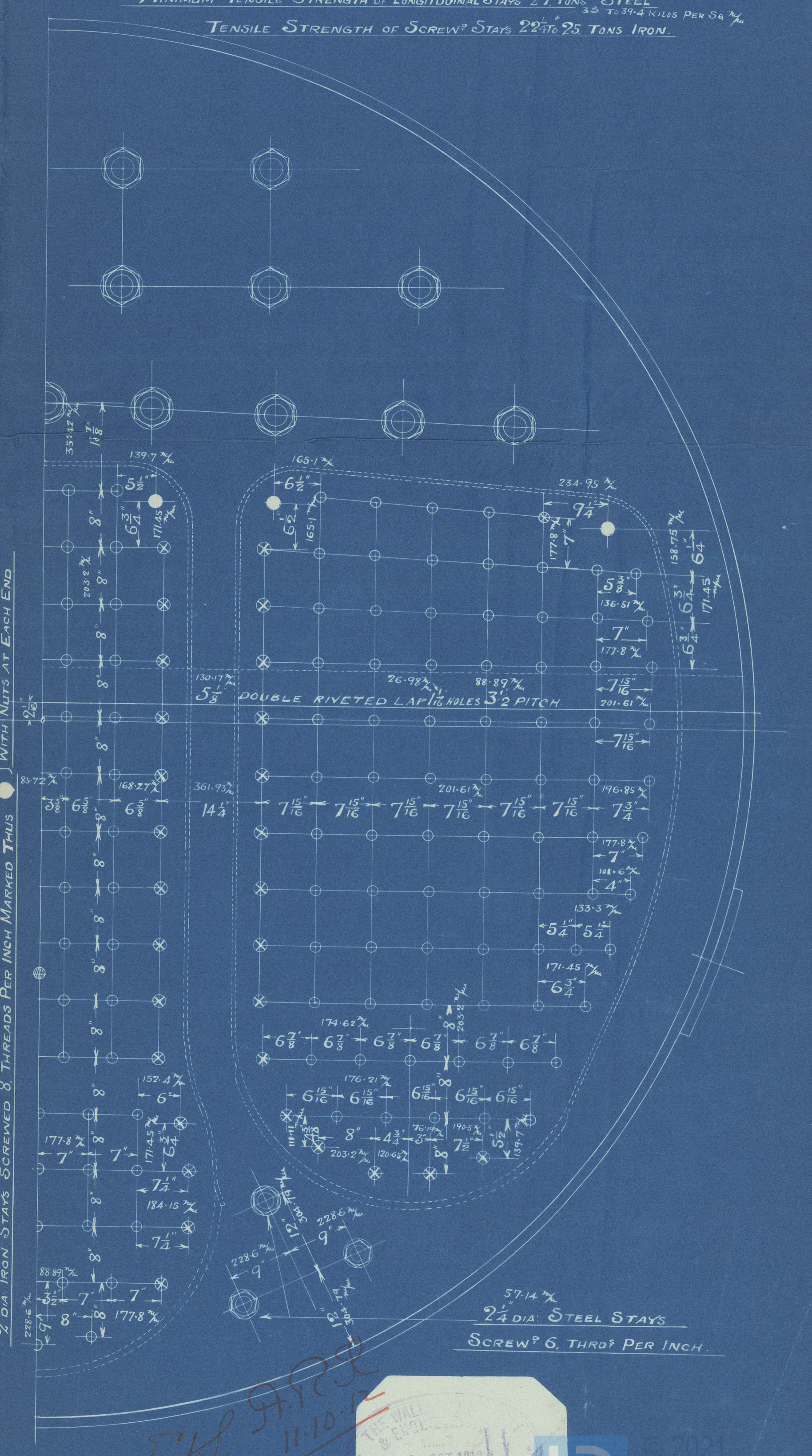
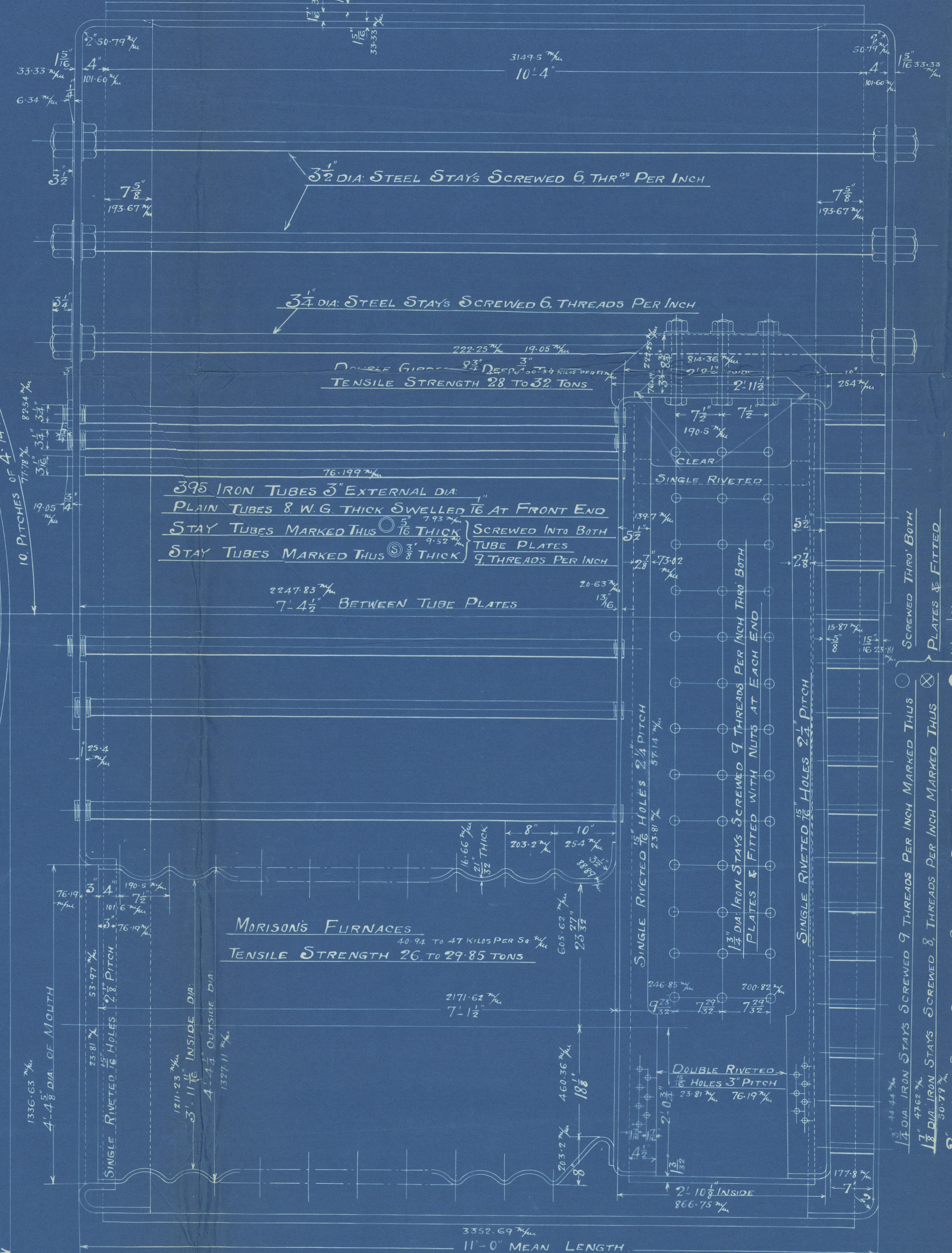


SHELL HYDRAULIC RIVETED WHERE PRACTICABLE
ALL HOLES DRILLED IN PLACE AFTER BENDING
SHELL PLATES 1/16 THICK RIVET HOLES 1 1/2 DIA 10 1/2 PITCH
CIRCUMFERENTIAL JOINT DOUBLE RIVETED 1 1/2 DIA RIVET HOLES
4 1/4 PITCH 132 PITCHES IN CIRCUMFERENCE
INSIDE BUTT STRAPS 1 5/16 THICK
OUTSIDE " 1 1/16 "

MINIMUM TENSILE STRENGTH OF RIVETS 27 TONS
TENSILE STRENGTH OF INTERNAL & FLANGING PLATES 26 TO 29.85 TONS
MINIMUM TENSILE STRENGTH OF LONGITUDINAL STAYS 27 TONS STEEL
TENSILE STRENGTH OF SCREW? STAYS 22 TO 25 TONS IRON.

HEATING SURFACE	Sq Ft	Sq. METRES
TUBES	2284	212.18
FURNACES	168.5	15.65
COMBUSTION CHAMBERS	263.6	24.48
TUBE PLATES	99.5	9.24
FOR ONE BOILER	2815.6	261.55
TOTAL FOR THREE BOILERS	8446.8	784.65

12.655 KILOS PER SQ 1/4
WORKING PRESSURE 180 LBS PER SQ INCH
25.3 KILOS PER SQ 1/4
TEST 360



11-10-12



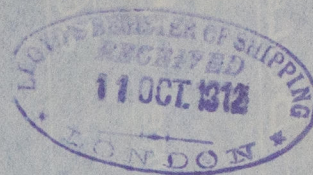
THE WALLSEND SLIPWAY & ENGINEERING Co., Ltd.

Enclosure to

Messrs Lloyd's Register

1906-0031 1/2

Wallsend
Boilers No 723
for
Swan & Hunters
P.S. No 931
Pressure 180 lbs
Newcastle
10/10/12
duplicate 7/12



S.S. "ELSINORE"

NEWCASTLE-ON-TYNE.

Report No 65293

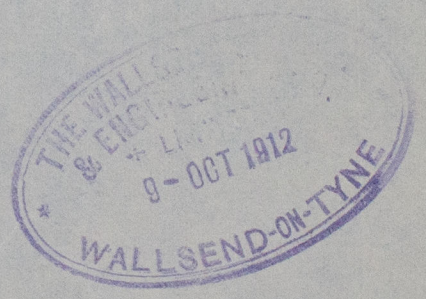


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1906-0031 1/2

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