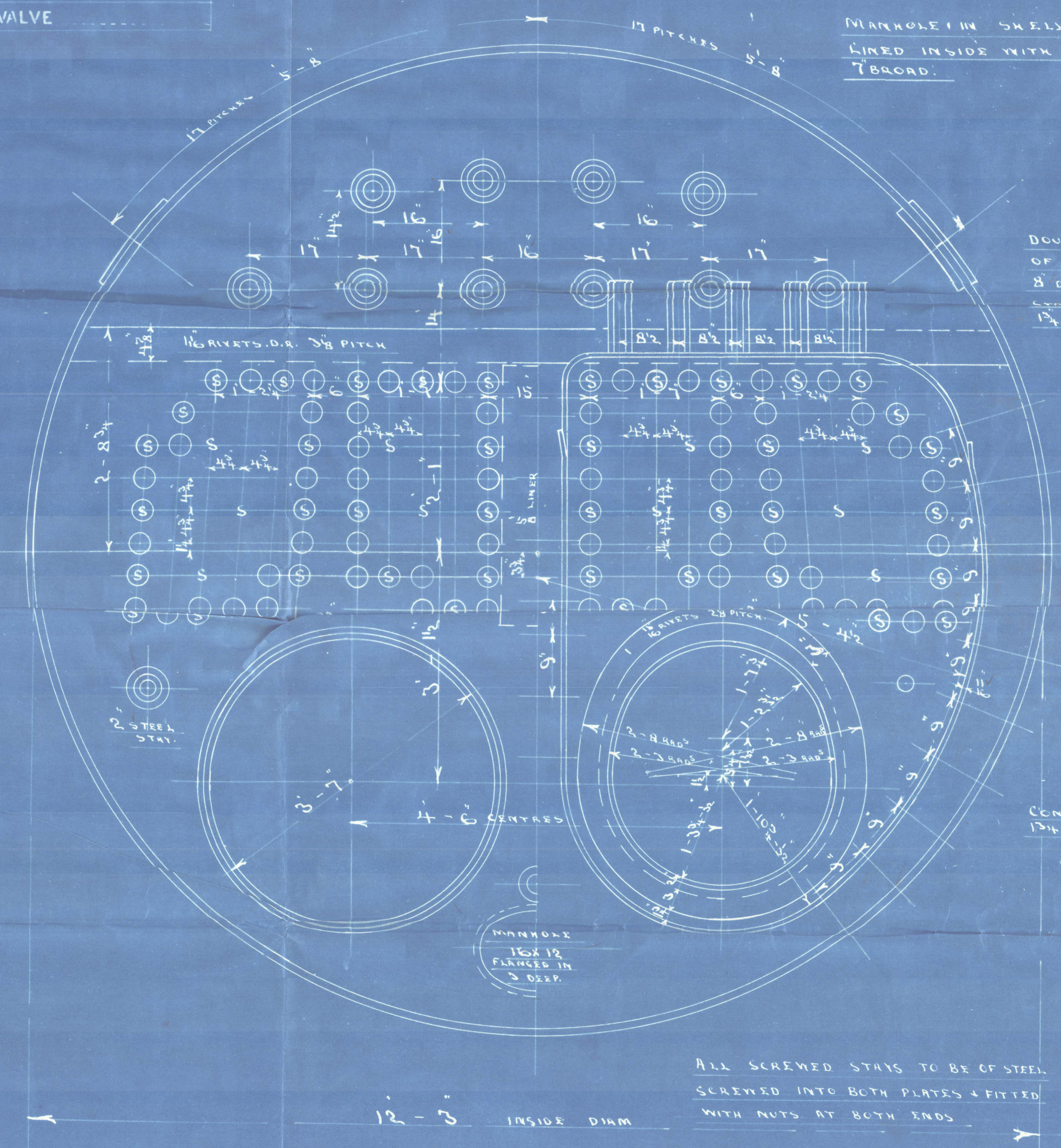


14 10 16

DIMENSIONS.

LENGTH OF FIRE BARS	5'-0"
AREA OF FIRE CRATE	55.75 sq
DIAM OF TUBES OUTSIDE	5 1/2"
LENGTH OF TUBES OVER PLATES	6'-8"
Nº OF TUBES	170
SURFACE OF TUBES	1018 sq
TOTAL HEATING SURFACE	1270 sq
WORKING PRESSURE	180 LBS
DIAM. OF SAFETY VALVE	



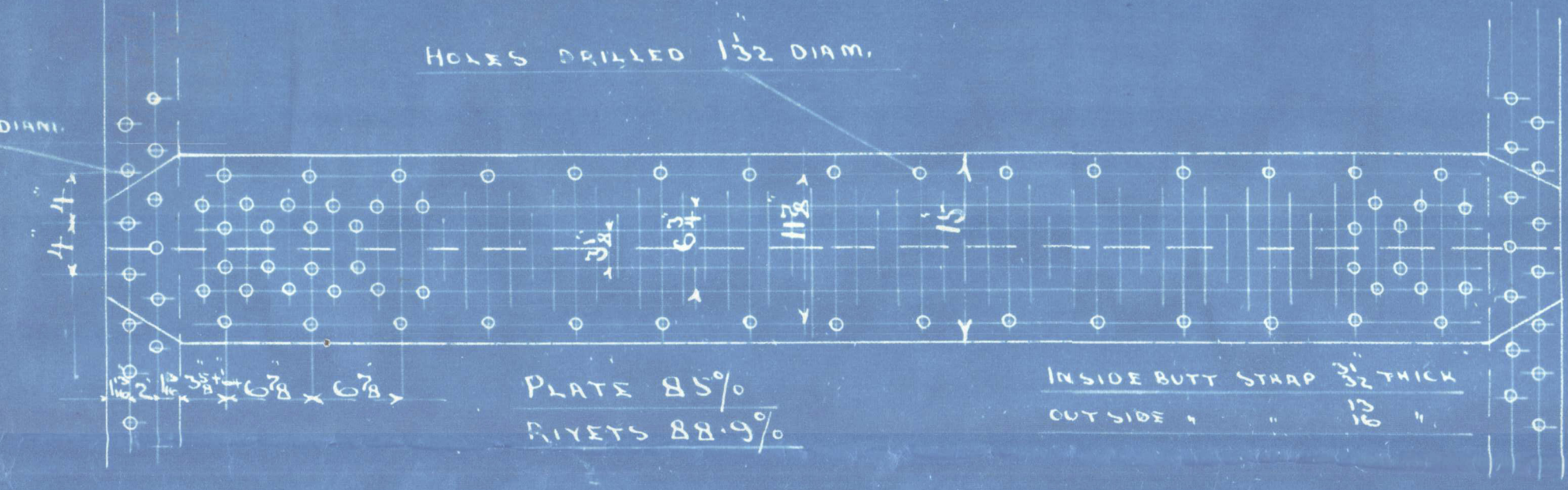
MANHOLE IN SHELL 16x12
LINED INSIDE WITH 1/4 PLATE
7 BROAD.

DOUBLE GIRDER STAYS
OF STEEL 3/8 THICK
8 DEEP FITTED WITH 2
1 1/2 DIA 2.07 EFF AREA

CORNER SIDE STAYS
1 1/4 DIA 2.07 EFF AREA

ALL SCREWED STAYS TO BE OF STEEL
SCREWED INTO BOTH PLATES + FITTED
WITH NUTS AT BOTH ENDS

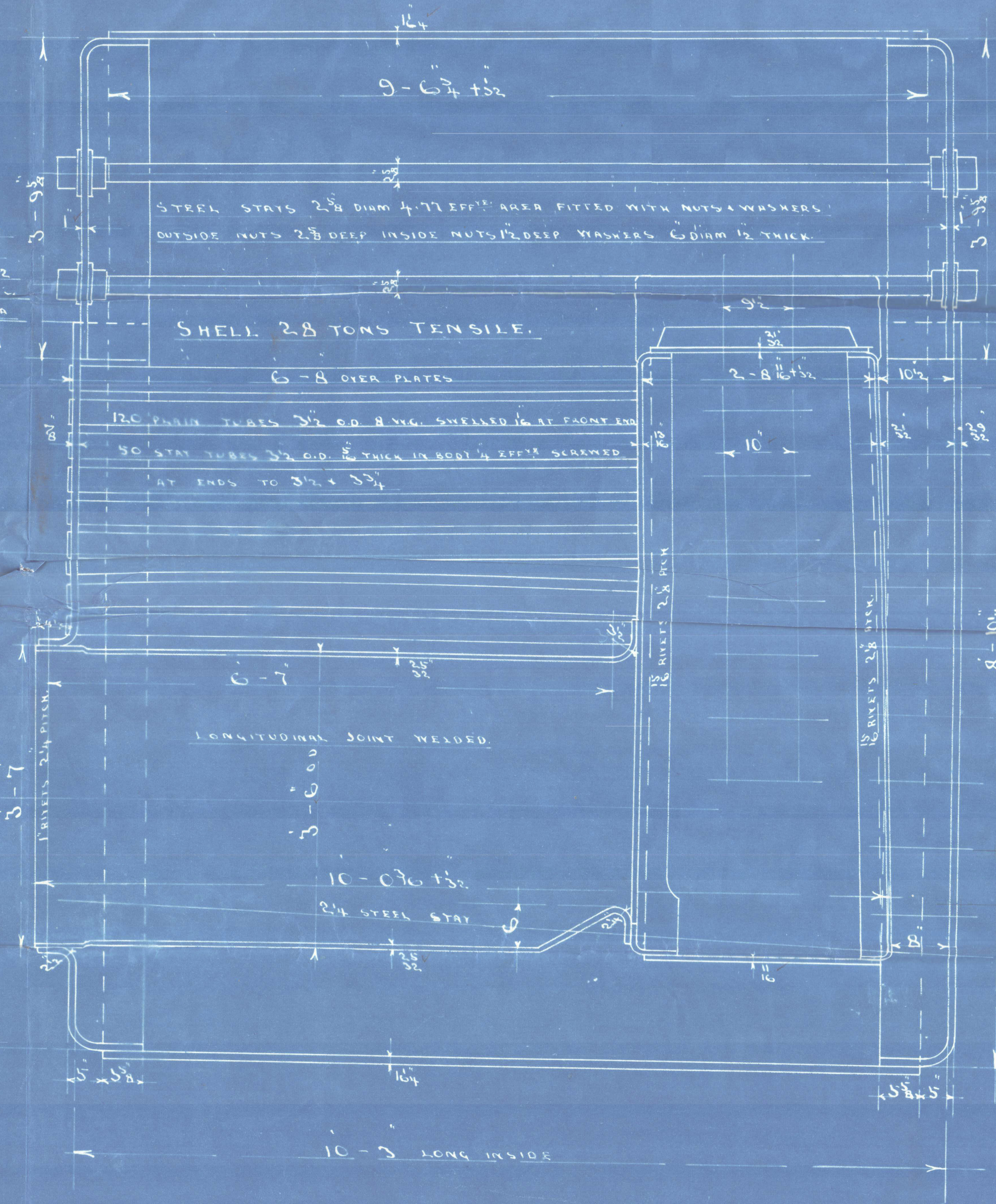
12'-3" IN DIAM 10'-3" LONG INSIDE
180 LBS W.P.



HOLES DRILLED 1 1/2 DIA.

PLATE 85%
RIVETS 88.5%

INSIDE BUTT STAY 3/8 THICK
OUTSIDE 1/2 THICK



STEEL STAYS 2 1/2 DIA 4.77 EFF AREA FITTED WITH NUTS + WASHERS
OUTSIDE NUTS 2 1/2 DEEP INSIDE NUTS 1 1/2 DEEP WASHERS 6 DIA 1 1/2 THICK

SHELL 2.8 TONS TENSILE.

6'-8" OVER PLATES

120 PAIR TUBES 5/2 O.D. 8 THICK SHELLED 16 AT FRONT END

50 STAY TUBES 5/2 O.D. 8 THICK IN BODY 1/4 EFF AREA SCREWED

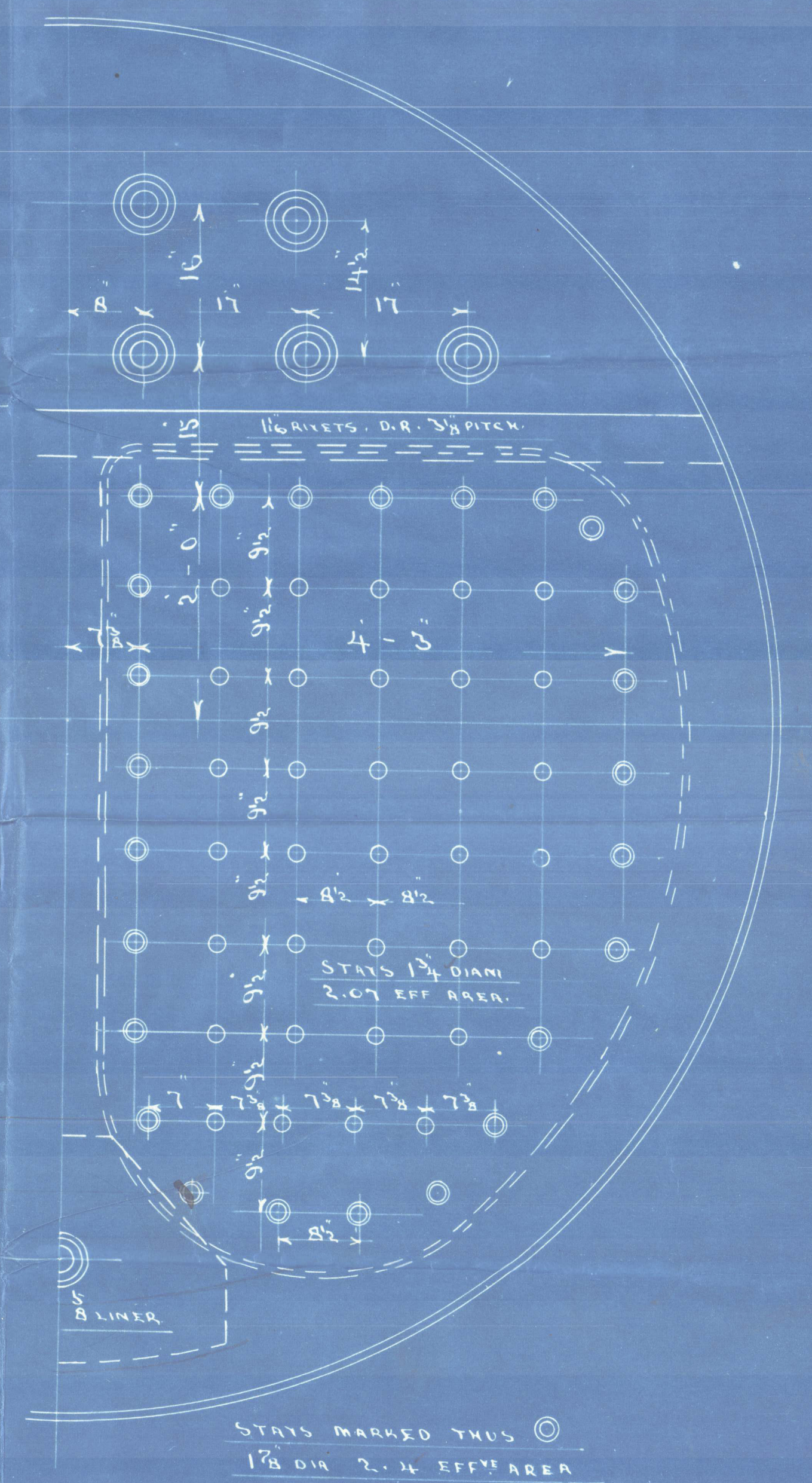
AT ENDS TO 3/4 + 3/4

LONGITUDINAL JOINT WELDED

10'-0 3/4 T32

2 1/4 STEEL STAY

10'-3" LONG INSIDE



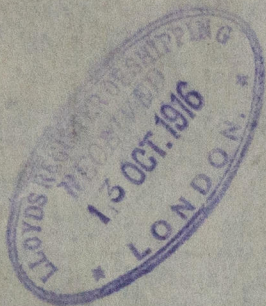
STAYS MARKED THUS ©
1 1/4 DIA 2.14 EFF AREA

9/10-16
9/10-16

CHARLES D HOLMES & CO LTD
ENGINEERS & BOILER MAKERS
HULL 10-10-16

PLAN Nº4177

STEEL BOILER Nº1193 4



Thos. C. D. Holmes
Boilers Nos 1193 & 4

Working pressure 180 lbs.
replace boiler for S.S. Anglia
& Danica.

1193 Anglia

11/10/16
H

Please return for sister vessel

S.S. Anglia Hull Reg. No. 29874.
1193

No 3192
Lloyd's test
360 lbs
13-2-17 F.L.S

W133-0036



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Lloyd's Register
Foundation