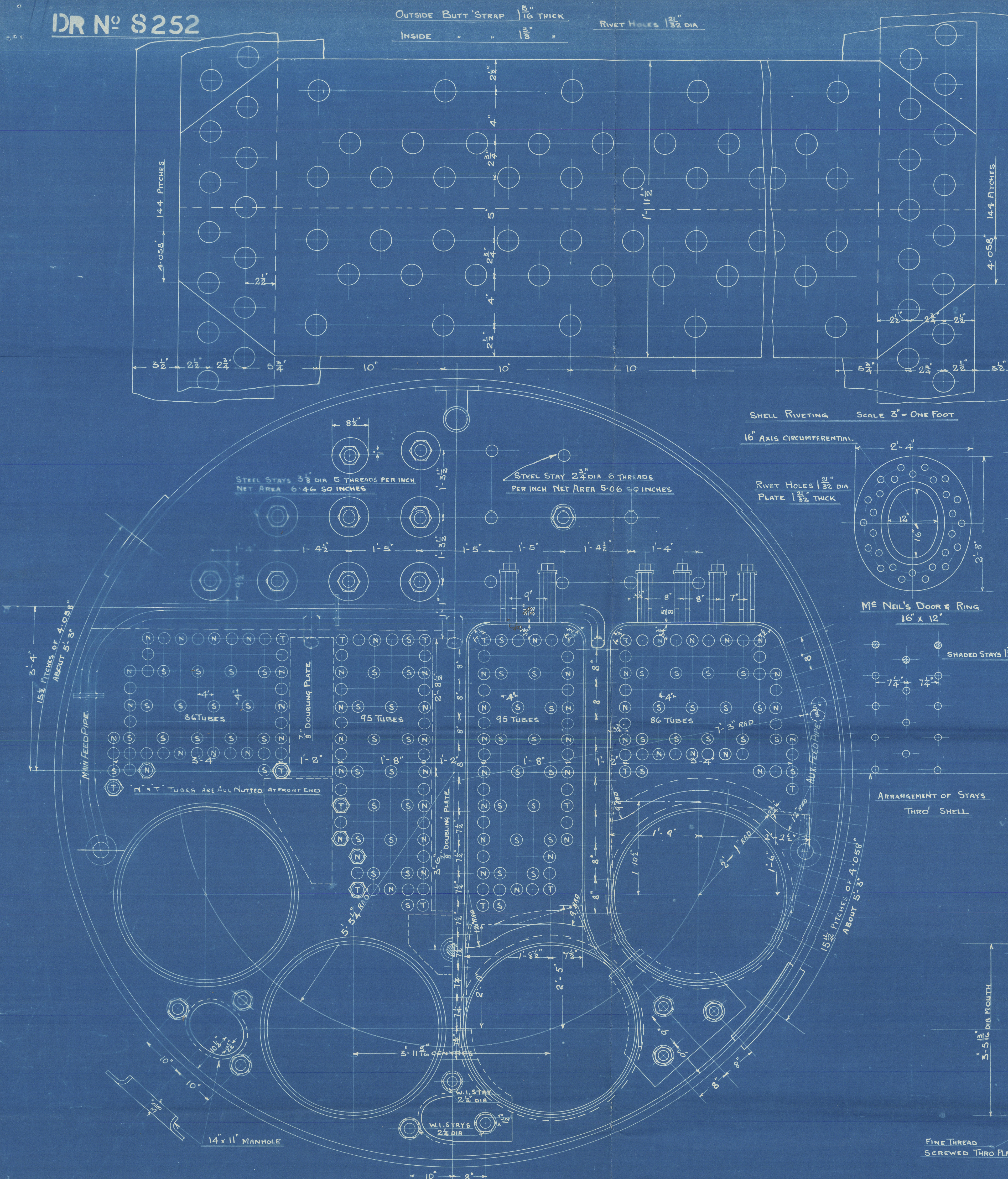
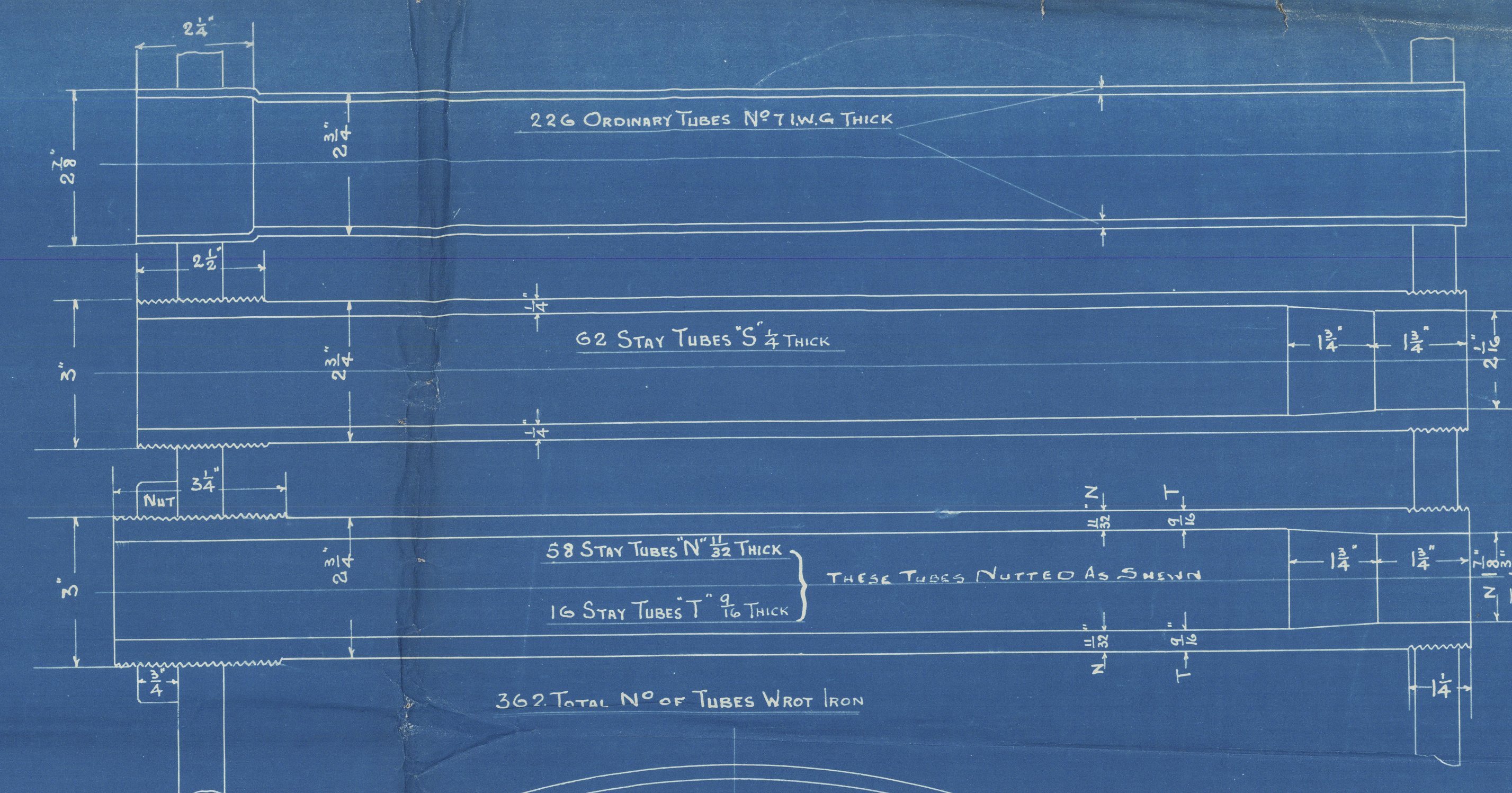


DR N° 8252

OUTSIDE BUTT STRAP 5" 16 THICK  
INSIDE 1 1/8" RIVET HOLES 1 3/2 DIA

HEATING SURFACE	1 BOILER	2 BOILERS
TUBES	1425 #	
FURNACES	207 "	
COMB CHAMBERS	243 "	
FRONT TUBE PLATE	32 "	
TOTAL	2407 #	4814 #
GRATE AREA 5'-3" BARS	71 #	142 #

1/10/09  
10/11/09



SHELL RIVETING SCALE 3" = ONE FOOT

16" AXIS CIRCUMFERENTIAL

STEEL STAY 3 1/8 DIA 5 THREADS PER INCH NET AREA 6.46 SQ INCHES

STEEL STAY 2 3/8 DIA 6 THREADS PER INCH NET AREA 5.06 SQ INCHES

RIVET HOLES 1 3/2 DIA PLATE 1 1/2 THICK

ME NEIL'S DOOR & RING 16" x 12"

SHADED STAYS 1 1/2 DIA

WROTH IRON TUBES 2 1/4 DIA

WROTH IRON GIRDERS

7.4 1/2" BETWEEN PLATES

ARRANGEMENT OF STAYS THRO' SHELL

15 1/2" PITCHES OF 4.058"

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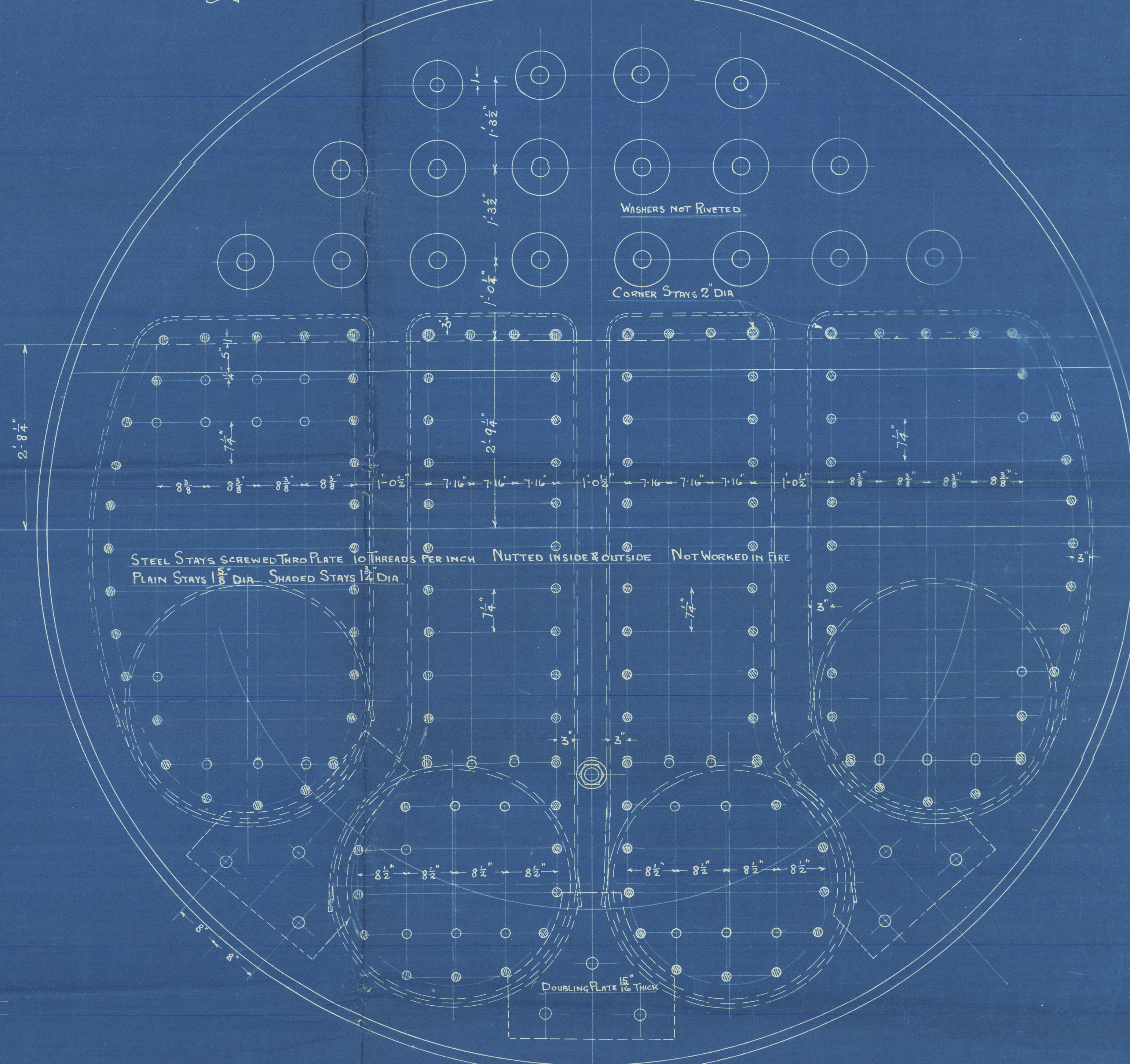
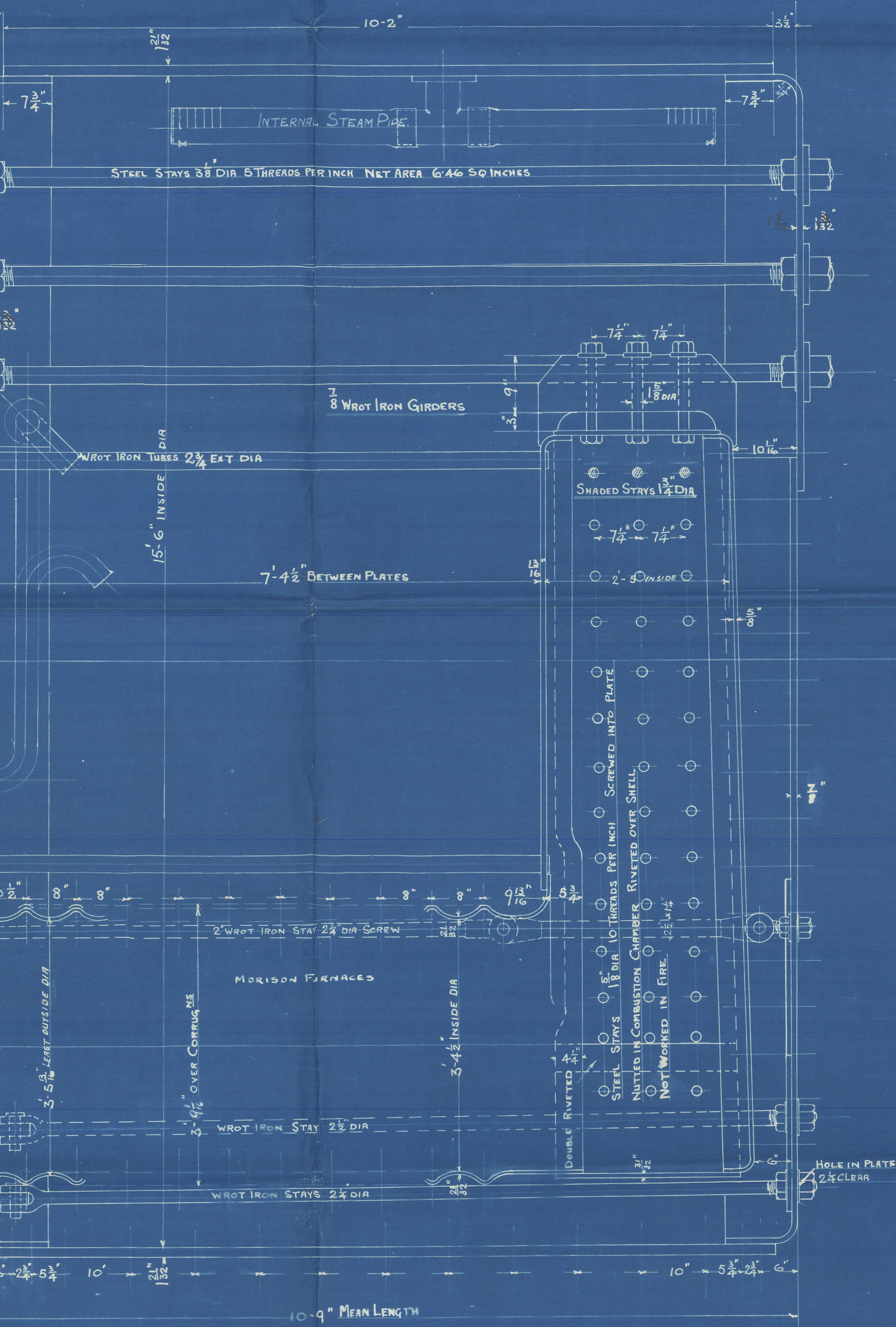
15 1/2" PITCHES OF 4.058"

15 1/2" PITCHES OF 4.058"

15 1/2" PITCHES OF 4.058"

15 1/2" PITCHES OF 4.058"

15 1/2" PITCHES OF 4.058"



PARTICULARS OF RIVETING

SHELL  
LONGITUDINAL SEAM DOUBLE BUTT STRAPS RIVETED AS SHOWN  
STRENGTH OF PLATE 83.437% STRENGTH OF RIVETS 90.2%  
CIRCUMFERENTIAL SEAM DOUBLE RIVETED AS SHOWN

END PLATES  
LAPPED DOUBLE RIVETED 1 1/8" RIVETS 3 1/2" PITCH  
DOUBLE RIVETED 3/4" RIVETS 3" PITCH SINGLE RIVETED 3/8" RIVETS 2 1/2" PITCH

FURNACES & COMB CHAMBERS  
ALL PLATES & RIVETS STEEL ALL HOLES DRILLED IN PLACE  
MINIMUM TENSILE STRENGTH OF SHELL PLATES 29 TONS PER SQ INCH

MAXIMUM " " " " 33 " " " "

MINIMUM " " " BUTT STRAPS 28 " " " "

MAXIMUM " " " " 32 " " " "

MINIMUM " " " " END CC PLATES 26 " " " "

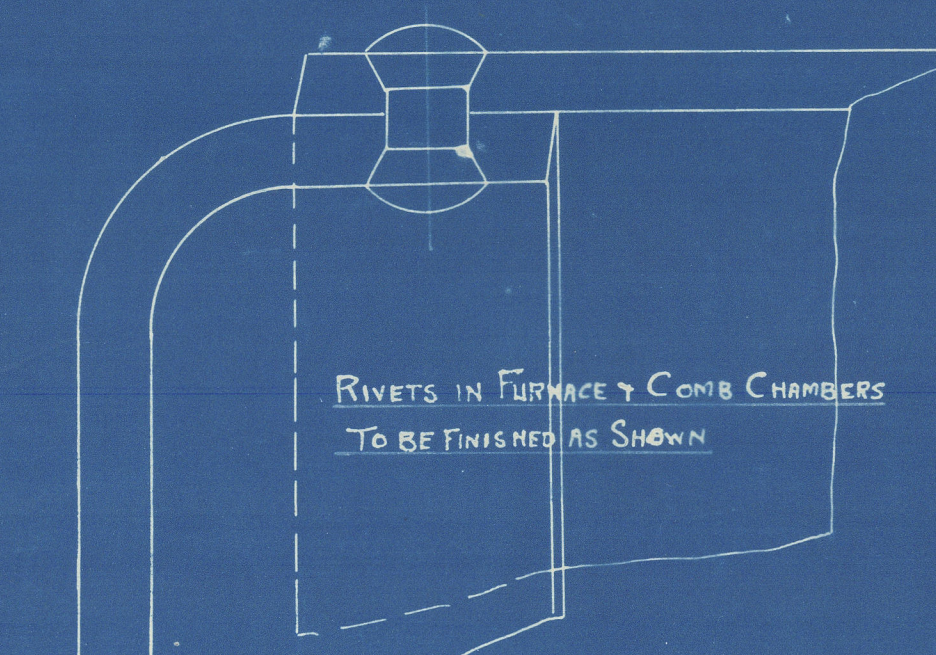
MAXIMUM " " " " 30 " " " "

WORKING PRESSURE 215 LBS PER SQ INCH

TEST 430 " " " "

NOTE THESE BOILERS ARE EXACT DUPLICATES OF N° 413

10/11/09



RIVETS IN FURNACE & COMB CHAMBERS TO BE FINISHED AS SHOWN

2 OFF

S.E. MAIN BOILER

N° 411

UNDER SURVEY OF BOARD OF TRADE & LLOYDS

SCALE 1" = ONE FOOT





Repart

Harland & Wolff L<sup>o</sup>

SS. 411

P. End Pailens

SS. Gloucestershire



REMAIN

W495-0149



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Foundation