

Drawing No. 15889
 CHECKED BY H.E.S.
 DATE 9-12-14
 TRACED BY M.A.D. 8-12-14



HEATING SURFACE Sq Ft
 418 TUBES 8'-0" LONG x 2 1/2" EXT DIA = 2189
 4 FURNACES 8'-0" x 40 1/2" MEAN 186
 FIREBOX TOPS & SIDES 167
 BACKS 68
 BACK TUBE PLATES 43
 FRONT 41
 TOTAL HS ONE SE BOILER 2699
 TOTAL HS TWO SE BOILERS 5398
 TOTAL HS IN TWO DE & TWO SE BOILERS 15780 Sq Ft
 GRATE SURFACE Sq Ft
 4 FURNACES 38" INSIDE DIA x 5'-3" BARS = 66.5
 TOTAL GS IN TWO DE BOILERS 133
 TOTAL GS IN TWO DE & TWO SE BOILERS 339

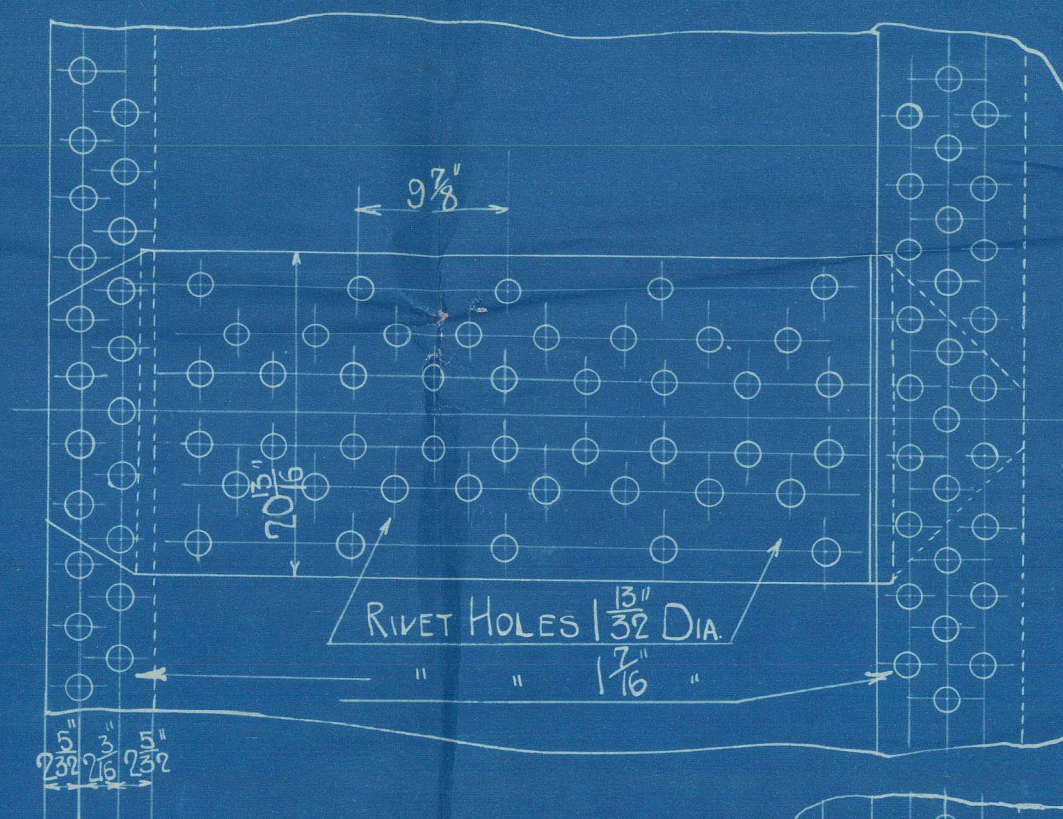
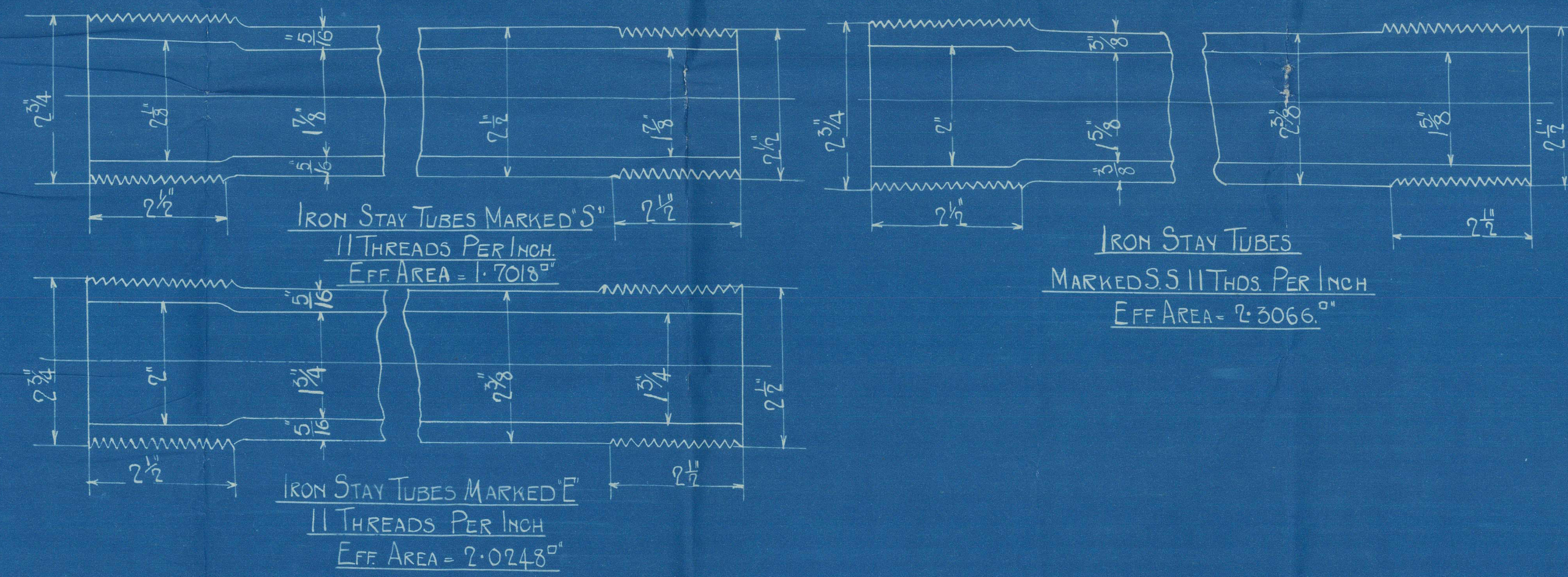
HS 40.08 TS 32.3

STEAM SPACE 9' ABOVE FIREBOX TOP = 418 CUB FT

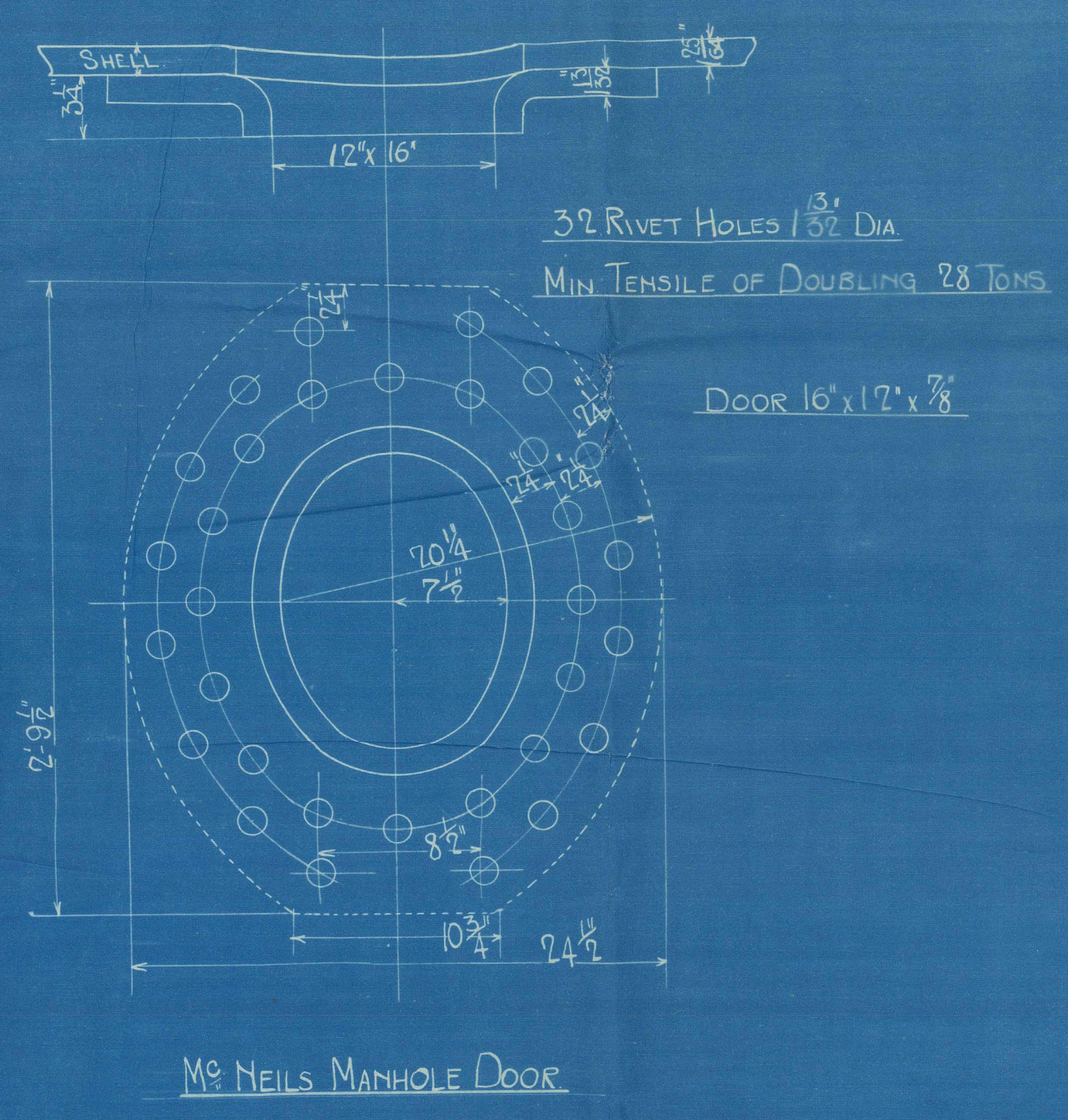
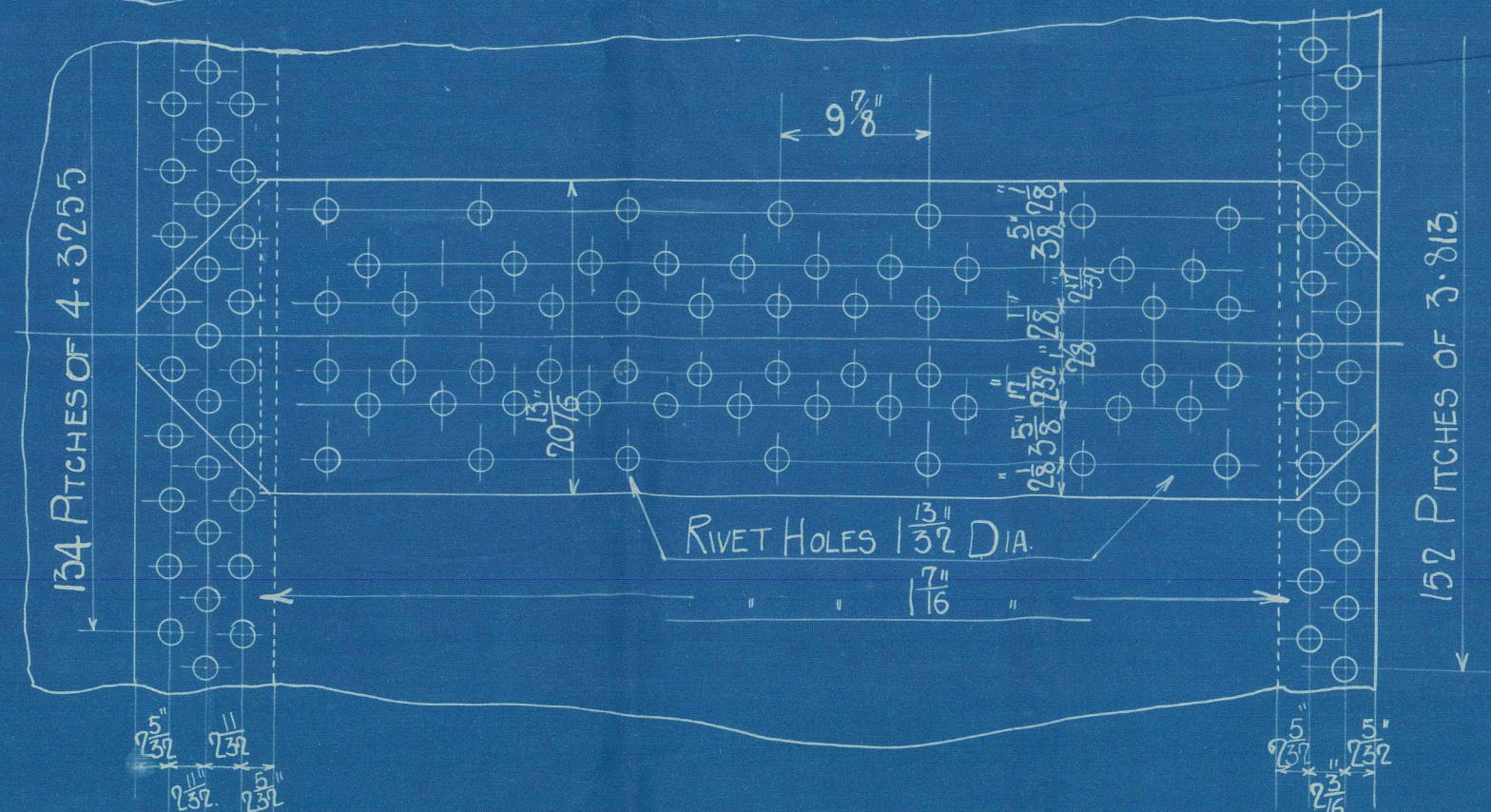
WEIGHT OF FRESH WATER 9' ABOVE FIREBOX TOP = 98 TONS

DRAUGHT AREA THRO TUBES = 3.70 Sq Ft

STEEL STEAM SPACE STAYS
 STAY BARS MARKED \otimes 3/8" DIA 6 THOS PER IN EFF AREA = 8.48 SQ INCHES
 3/8" - 6
 DEPTH OF OUTSIDE NUTS = DIA OF STAY
 JAMS 1 1/2"

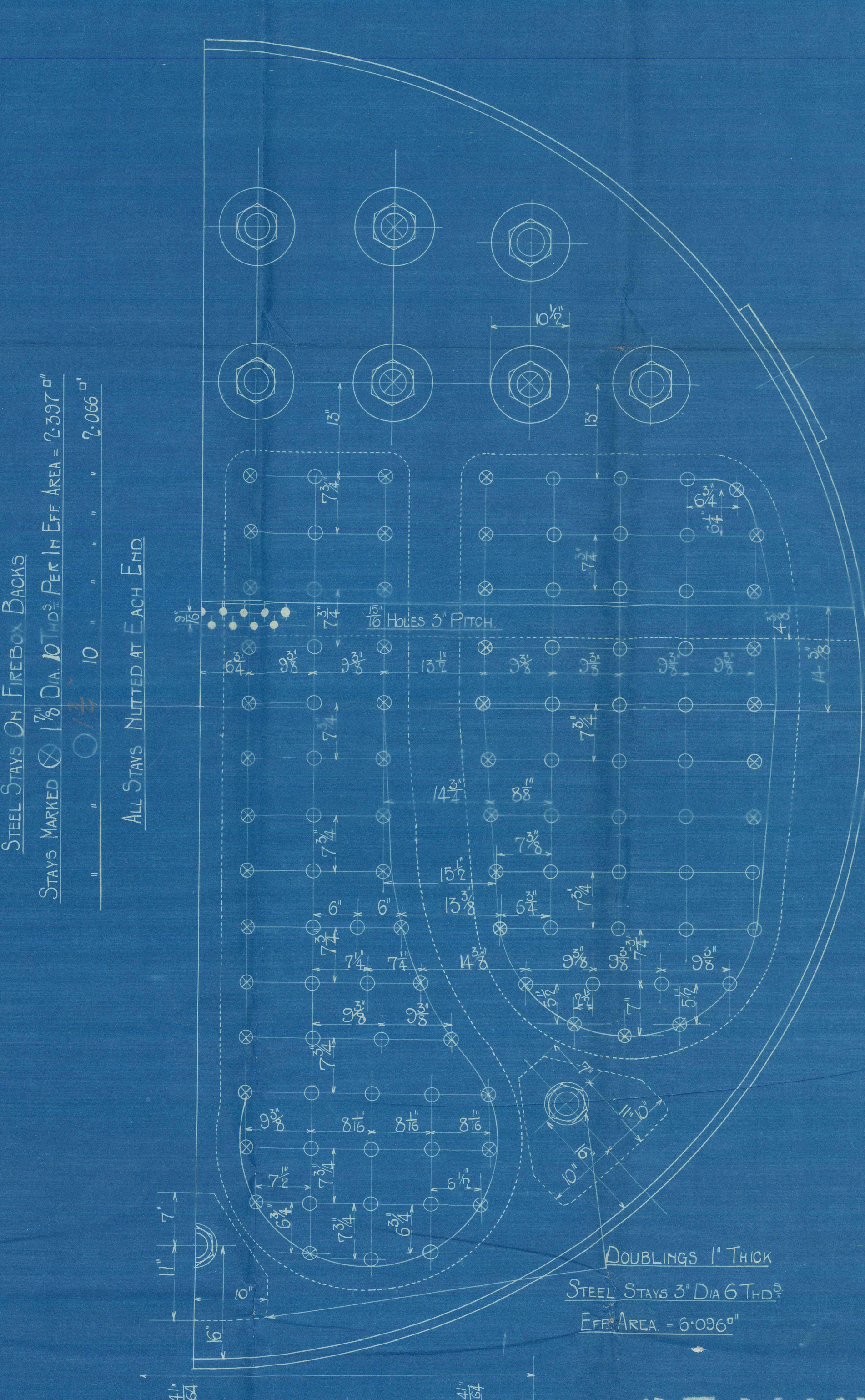
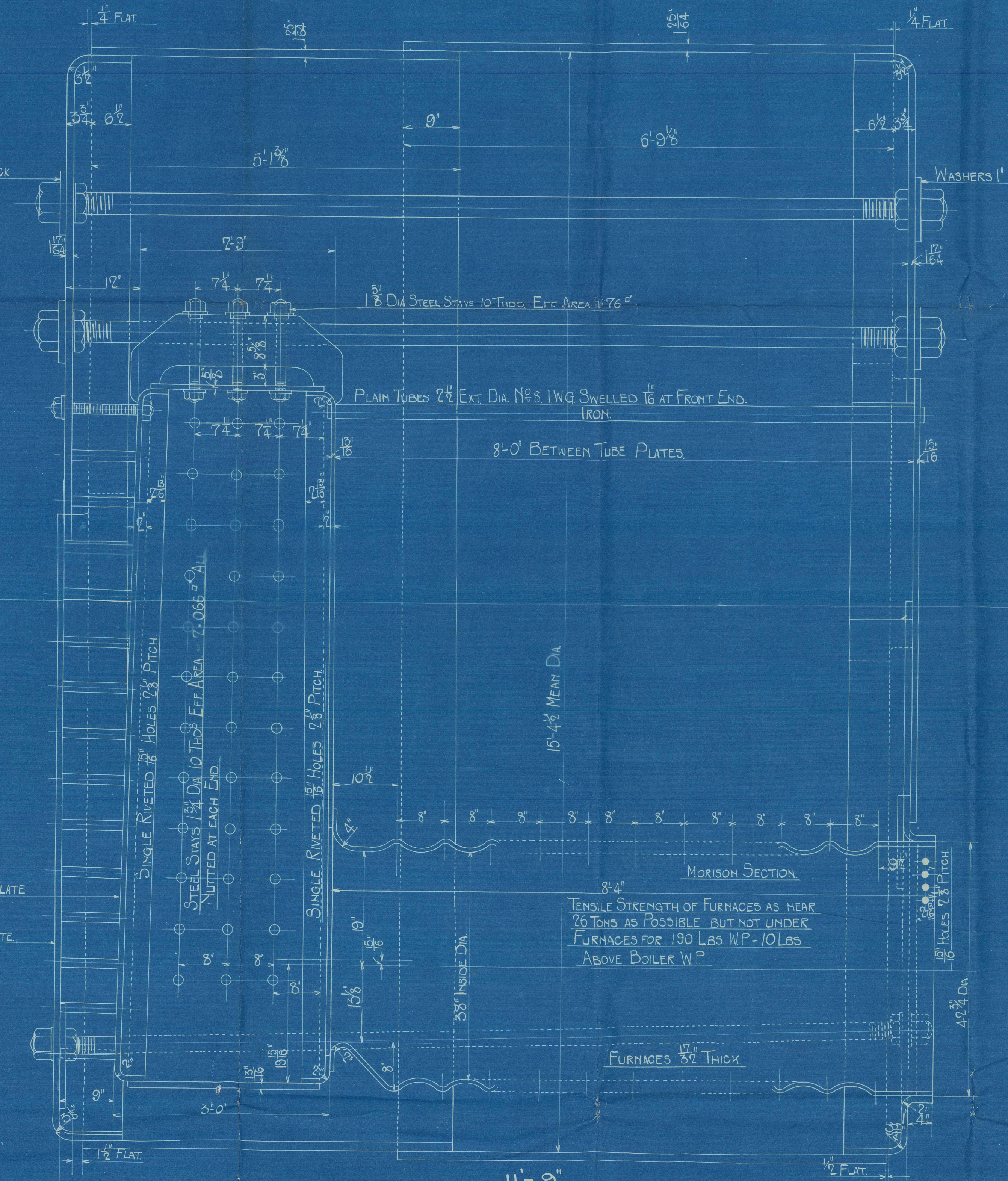
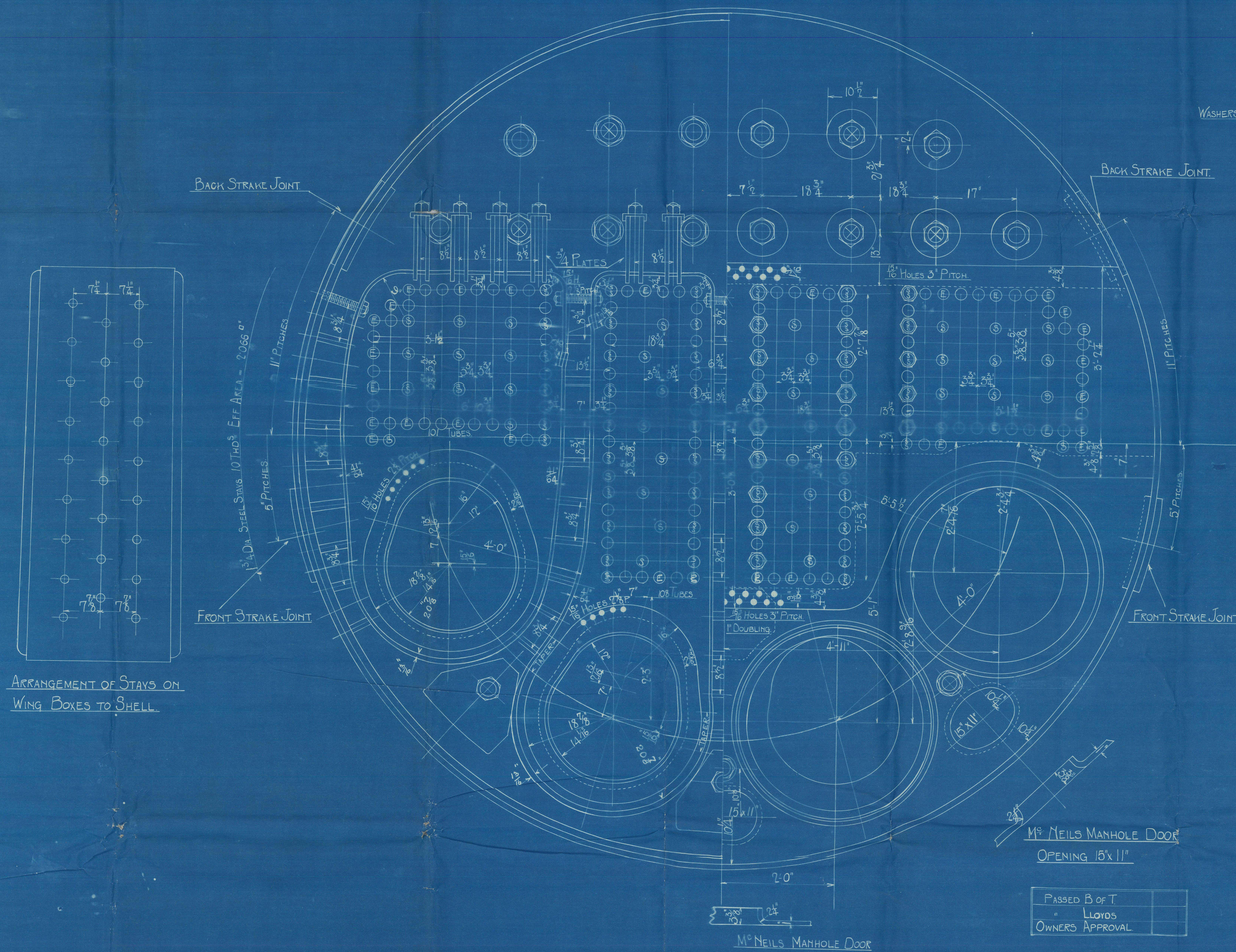


TENSILE STRENGTH OF SHELL PLATING 28 TO 32 TONS PER SQ INCH
 GIRDER PLATES 28 TO 32
 ALL OTHER PLATES 26 TO 30
 ALL RIVET HOLES DRILLED IN PLACE



STAY BAR LIST		
NO	DESCRIPTION	LENGTH DIA
17	STEAM SPACE	3 1/2
16		3 1/2
6	WATER	3

PLATE LIST			
NO	SHAPE	DESCRIPTION	LENGTH BREADTH THICK
1	A	SHELL TOP OUTER	12 1/2
2	B	BACKS	12 1/2
3	C	TOP INNER	12 1/2
4	D	BACK INNER	12 1/2
5	E	BUTTS FRONT OUTER	12 1/2
6	F	BACK OUTER	12 1/2
7	G	BACK INNER	12 1/2
8	H	BACK INNER	12 1/2
9	I	GIRDERS	30 1/2
10	J	TOP FRONTS	12 1/2
11	K	FRONT TUBE PLATES	12 1/2
12	L	FURNACE FRONTS	12 1/2
13	M	TOP BACKS	12 1/2
14	N	BACKS	12 1/2
15	O	BACK TUBE PLATES	12 1/2
16	P	WING	12 1/2
17	Q	WING	12 1/2
18	R	WING	12 1/2
19	S	WING	12 1/2
20	T	WING	12 1/2



S.E. MAIN BOILERS. N° 349.

15'-4 1/2" MEAN DIA x 11'-9" LONG x 180 LBS WP
 TO PASS BOARD OF TRADE & LLOYD'S SURVEYS
 SCALE - 1" = 1 FOOT

PASSED BY T. LLOYD'S
 OWNERS APPROVAL

ALL MATERIAL STEEL EXCEPT TUBES WHICH ARE IRON

TWO BOILERS THUS

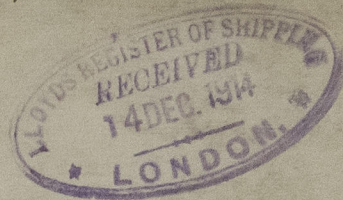
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For Enclosure to

Lloyd's Register
Foundation
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48

0206 2/2 ±

TRACED BY M.A.C.

Belfast
Workman, Clark & Co
No. 349
S. End Boilers



s/s "Mahana"
Blf 17824

No 349. S.E. B

RETAIN

W1633-0206



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