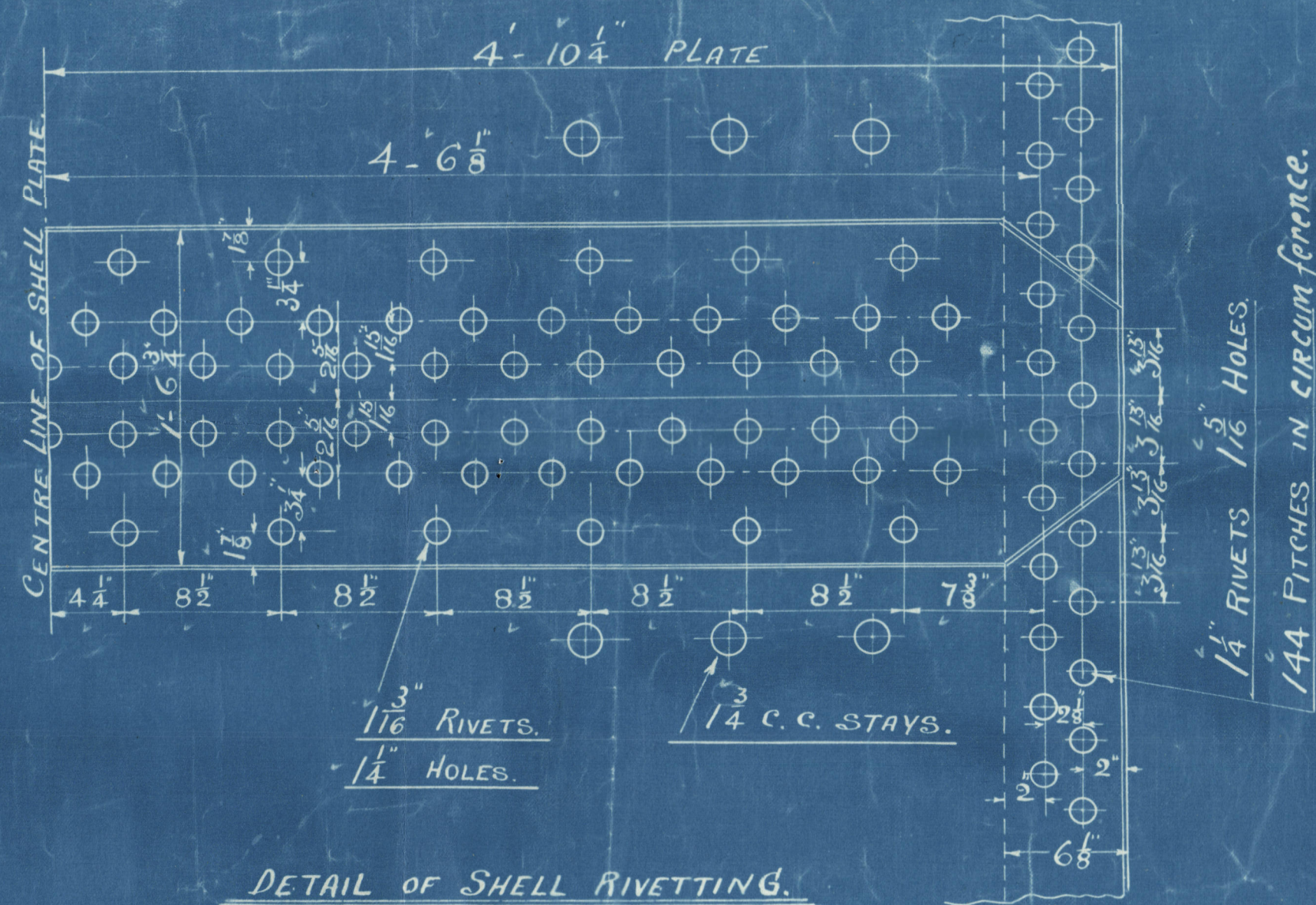
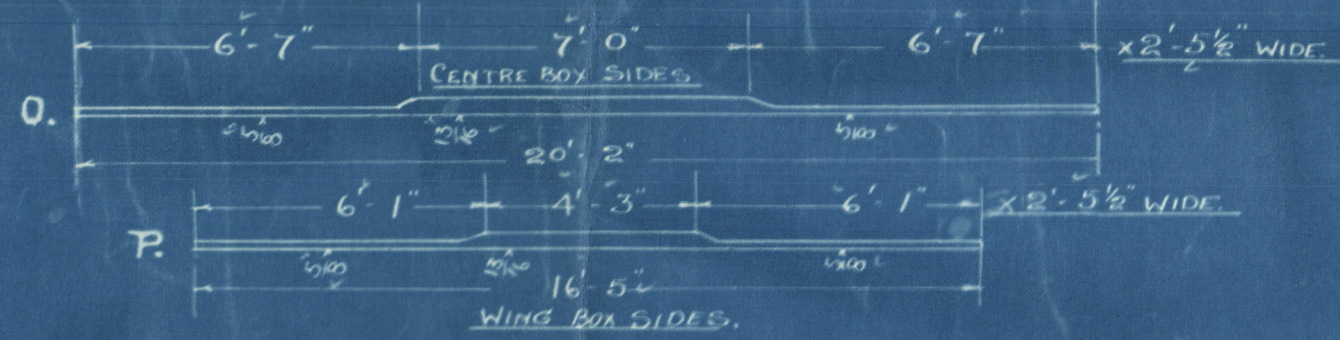
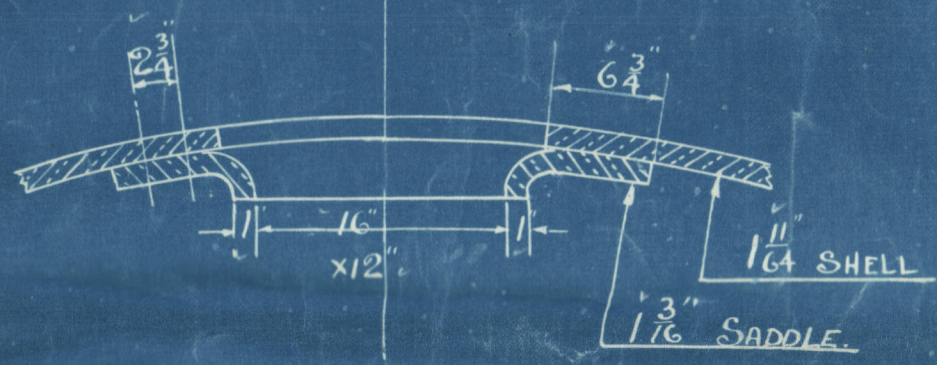


PLATE LIST.										PARTICULARS.	
MARK	NO.	LENGTH	BREADTH	THICK	DESCRIPTION	PLATES	THICK	LOYDS RULES	PRESSURE		
A	1	23'-11"	9'-8 3/4"	1 1/4"	SHELL			22 (18.25 x 2) 30.59	179.42	HEATING SURFACE IN 226 TUBES.	1450#
B	1	22'-0"	9'-8 3/4"	1 1/4"		ENDS TOP	1 1/2"	170 x 18.25	188	3 COMP CHS.	269#
C	2	1'-7"	9'-8 3/4"	1"	OUTER BUTT STRAPS	FRONT TUBE PLATE	1 1/2"	140 x 16.5	181	3 FURNACES	148#
D	2	1'-7"	9'-8 3/4"	1 1/2"	INNER	BACK TUBE PLATE	1 1/2"	140 x 16.5	181	FRONT TUBE PLATE	31#
E	2	TO SKETCH		1 1/2"	ENDS TOP	FRONT BOTTOM	1 1/2"	140 x 16.5	192	TOTAL	1898#
F	1	TO SKETCH		1 1/2"	FRONT BOTTOM	FIRE BOX BACKS	1 1/2"	140 x 16.5	192	GRATE SURFACE 5' 6" BARB.	56 3/4"
G	1	TO SKETCH		1 1/2"	BACK BOTTOM	FIRE BOX SIDES	1 1/2"	140 x 16.5	192	AREA THROUGH TUBES.	11.35'
H	1	10'-4"	4'-7 1/2"	2 1/2"	C BACK TUBE PLATES	FIRE BOX BOTTOMS	1 1/2"	140 x 16.5	192	RATIO HEATING SURFACE	33.6
J	2	8'-5 1/2"	5'-4 1/2"	2 1/2"	W					GRATE SURFACE	4.97
K	1	10'-4"	4'-7 1/2"	2 1/2"	C FIRE BOX BACK	FURNACES	1 1/2"	140 x 16.5	192	AREA THROUGH TUBES.	4.97
L	2	8'-5 1/2"	5'-4 1/2"	2 1/2"	W					STEAM SPACE CUB FEET	364
M	1	4'-8"	2'-5 1/2"	5/8"	C TOP	STEAM STAYS	2 1/2"	140 x 16.5	192		
N	2	6'-3"	2'-5 1/2"	5/8"	W						
O	1	TO SKETCH		1 1/2"	C SIDES						
P	2	TO SKETCH		1 1/2"	W						
R	26	2'-10"	12"	1"	FIRE BOX CHIMERS						
STAYS	12	11'-1"	2 1/2" DIAM		STEEL STAYS						
	4	7'-7"	2 1/2"								
	6	11'-1 1/2"	2 1/2"								
		3'-0"	2 1/2"								
		95'-0"	2 1/2"								
		280'-0"	1 1/2"								
NUTS	24	2 1/2" SCREW	2 1/2" DEEP		2 THREDS STEAM STAYS						
	24	2 1/2"	1 1/2"								
	20	2 1/2"	2 1/2"		Water						
	12	2 1/2"	1 1/2"								
	154	2 1/2"	1 1/2"								
	39	1 1/2"	1 1/2"								
	491	1 1/2"	1 1/2"								

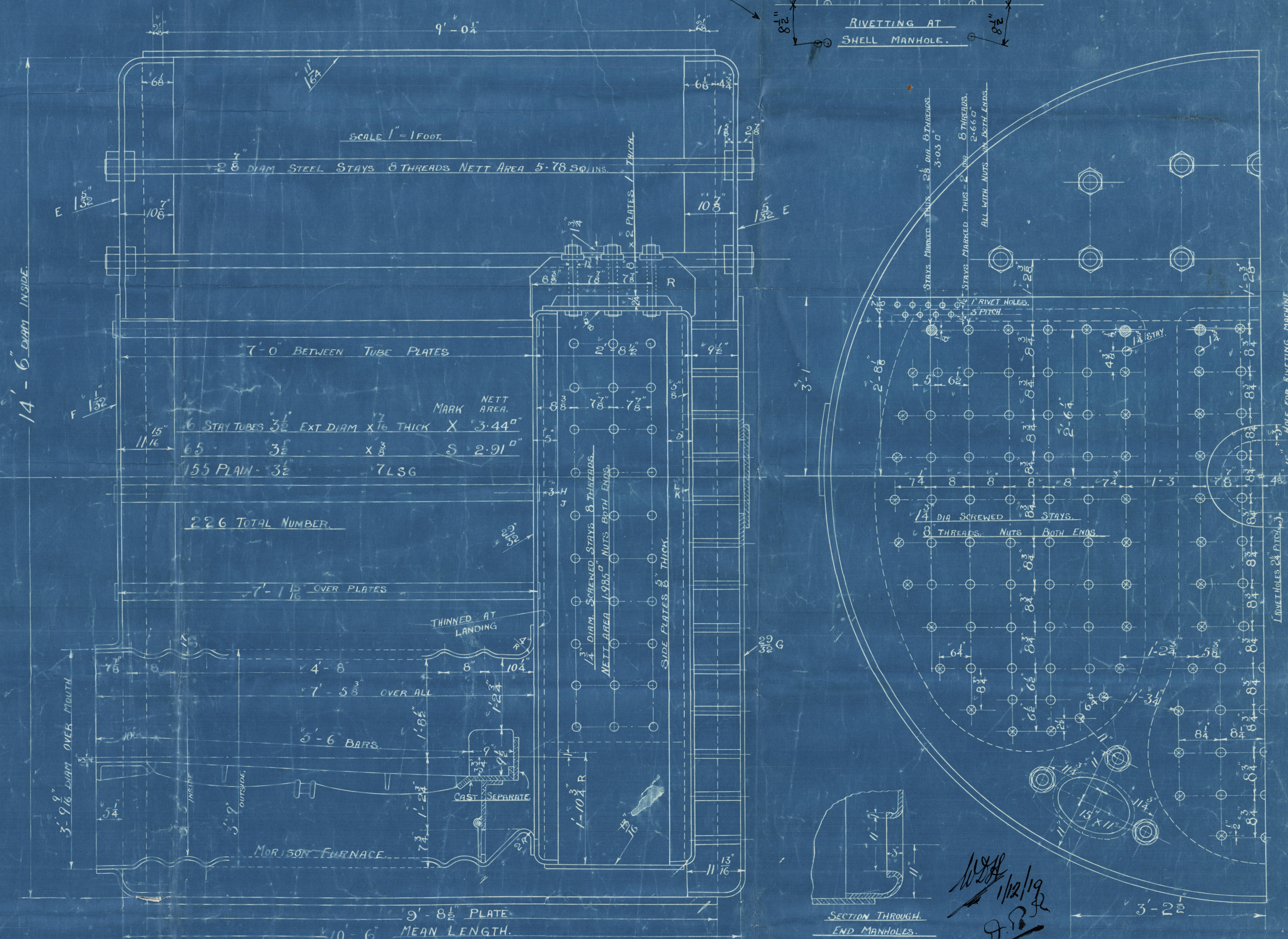
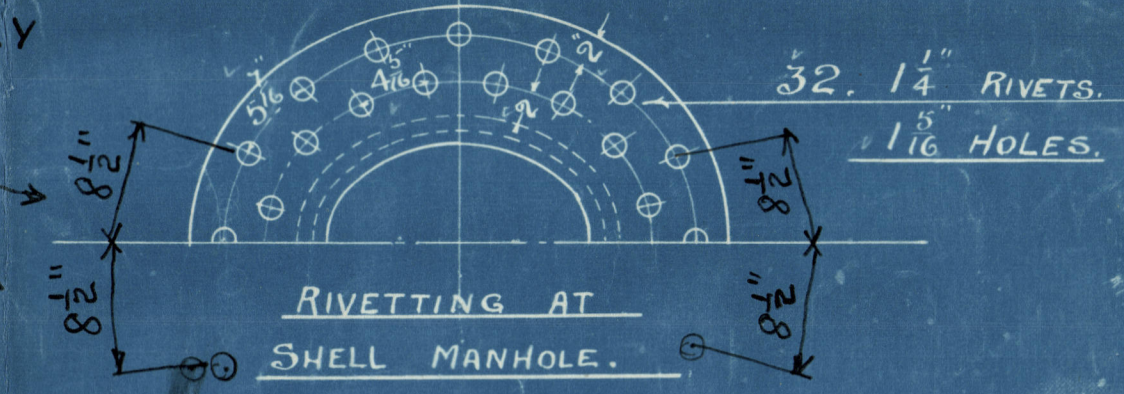


DETAIL OF SHELL RIVETTING.  
SCALE 1/2" = 1 FOOT.

RIVETTING.	
LONGITUDINAL SEAMS. (DOUBLE BUTT STRAPS.)	
SHELL 1 1/4", RIVETS 1 1/2", HOLES 1 1/4", PITCH 3 1/2", PLATE 85.29%, RIVETS 91.42.	
INNER BUTT STRAPS 1 1/2" THICK OUTER 1" THICK, SHELL PLATES AND BUTT STRAPS TO HAVE A	
TENSILE STRENGTH OF 28 - 32 TONS PER SQ. IN.	
CIRCUMFERENTIAL SEAMS. (DOUBLE RIVETED LAP.)	
RIVETS 1 1/2", HOLES 1 1/2", PITCH 3 1/2", PLATE 65 1/2%, RIVETS 61.4%.	
ALL HOLES DRILLED IN PLACE, BOILER STEEL, TUBES COMB. CH. STAYS. OF IRON.	
UNDER LLOYDS SURVEY FOR A WORKING PRESSURE OF 180 LBS. PER SQ. IN.	



PITCH AT ENDS ONLY  
TO BE 8 1/2"



STEEL BOILERS NOS

402-3-4-5

REPEAT OF 398/9

FOR GREENOCK AND GRANGEMOUTH DOCKYARD COYS. SS 403-4

2-4-18.



6338-0079



MESSRS. COOPER & GREIG LD.

PLAN OF

BLRS. N<sup>o</sup>. 404/5.

ENGINES N<sup>o</sup>. 210

MESSRS. GRANGEMOUTH & CO. N.Y.

Co. S YARD No. 404

S. S.

DUN. RPT. No.

" BALMORE "

Rpt No gls. 40679.

W338-0079



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ENCLOSURE  
N<sup>o</sup> 307



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