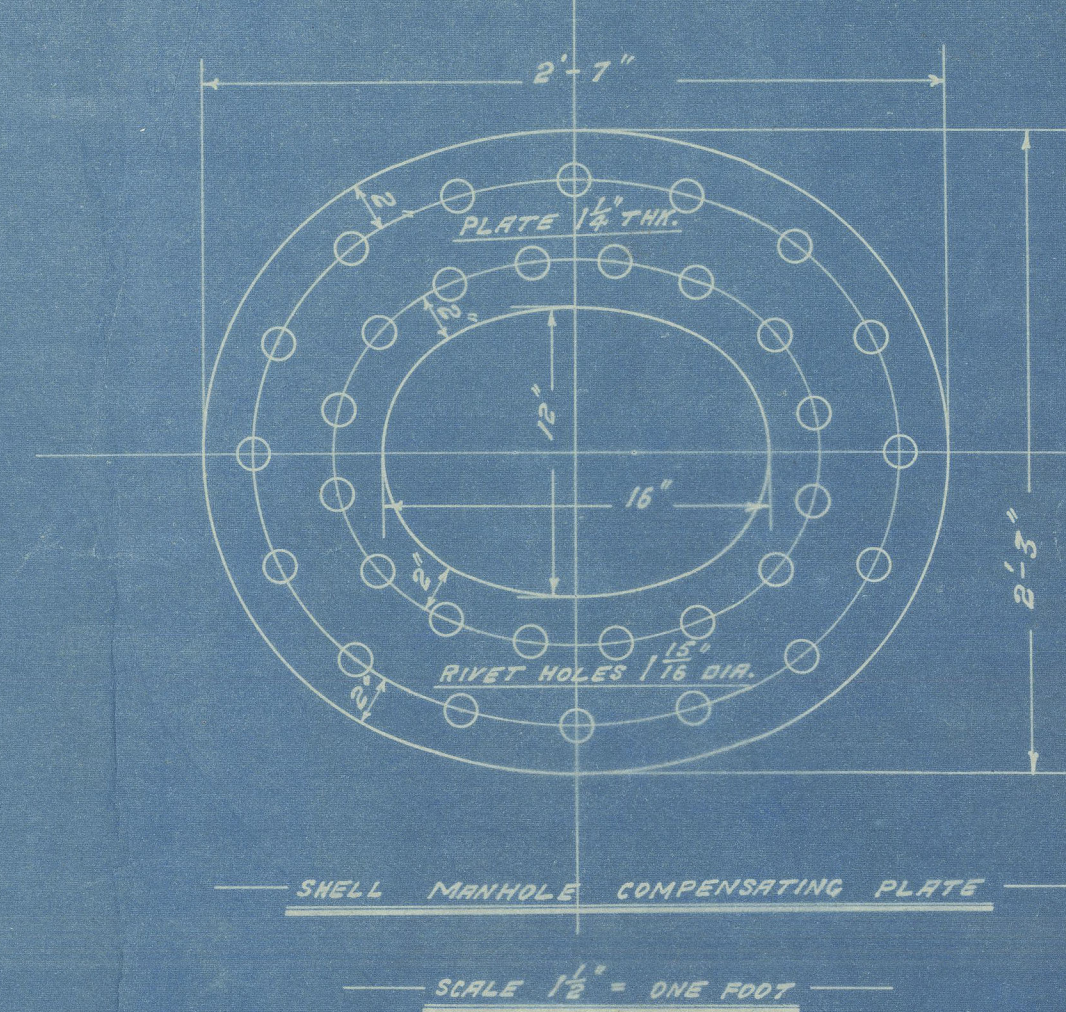
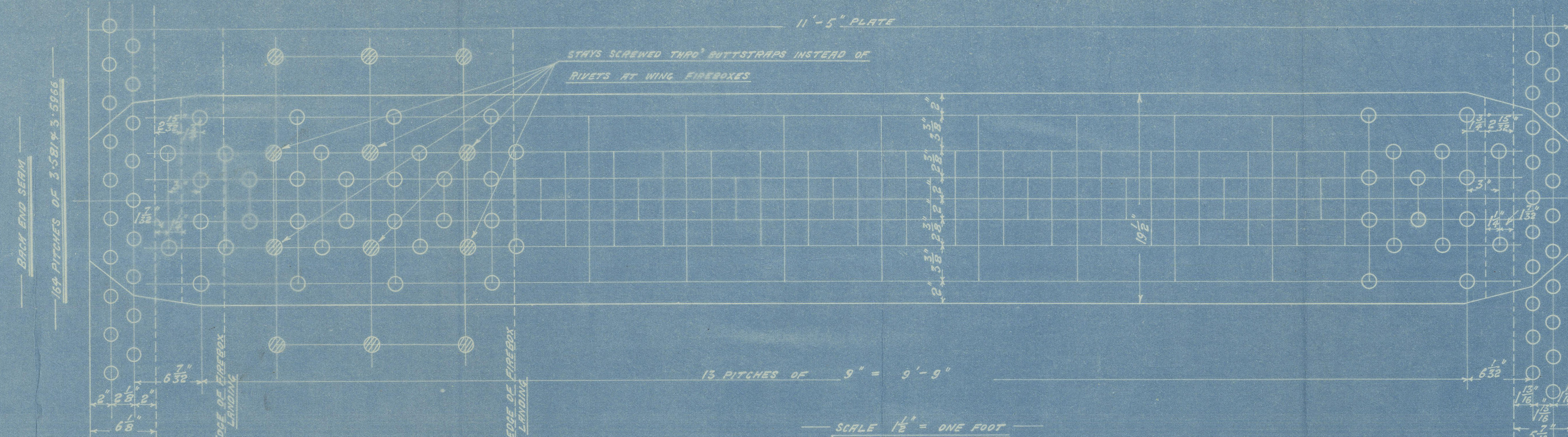


9.8.05

THICKNESSES		
SHELL	STEEL	1 1/2"
BUTTSTRAPS INNER	"	1 3/8"
" OUTER	"	3/4"
TOP ENDS FRONT & BACK	"	1 3/8"
FRONT TUBE PLATE	"	5/16"
" BOT. " "	"	2 1/8"
BACK " " "	"	5/16"
TUBE " " "	"	13/16"
FIREBOX BACK	"	5/16"
" TOP & SIDES	"	3/8"
" BOTTOM	"	1/2"
GIRDERS	"	1 1/8"
FURNACES	"	1 3/8"
MANHOLE DOUBLING	"	1 1/2"

SURFACES ETC.		
451 TUBES @ 5.235	2341	7093
FURNACES	156	468
PIRGARDS	203	849
TOTAL HEATING SURFACE	2800	8400
GRATE AREA @ 3'-10" DIA.	65.24	189.72
WATER	160	480
TUBE		
STEAM SPACE	492	1476
RATIO GRATE AREA TO HEATING SURFACE		
" " " TUBE		
" " " WATER		
" " " STEAM SPACE		
1/2" BOILER ABOVE FIREBOX	31.77	
LENGTH OF FIREBOX	5' 6"	
WEIGHT OF WATER		

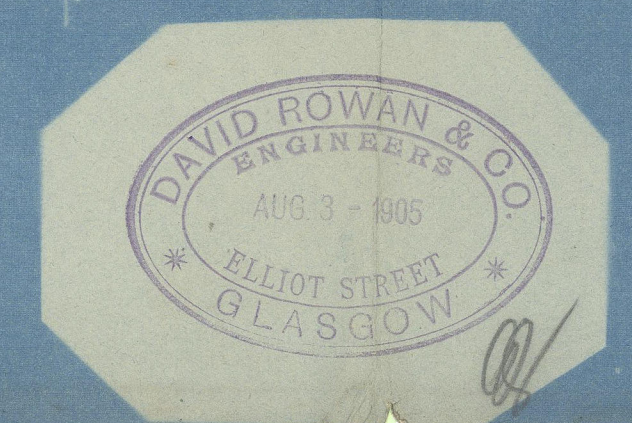
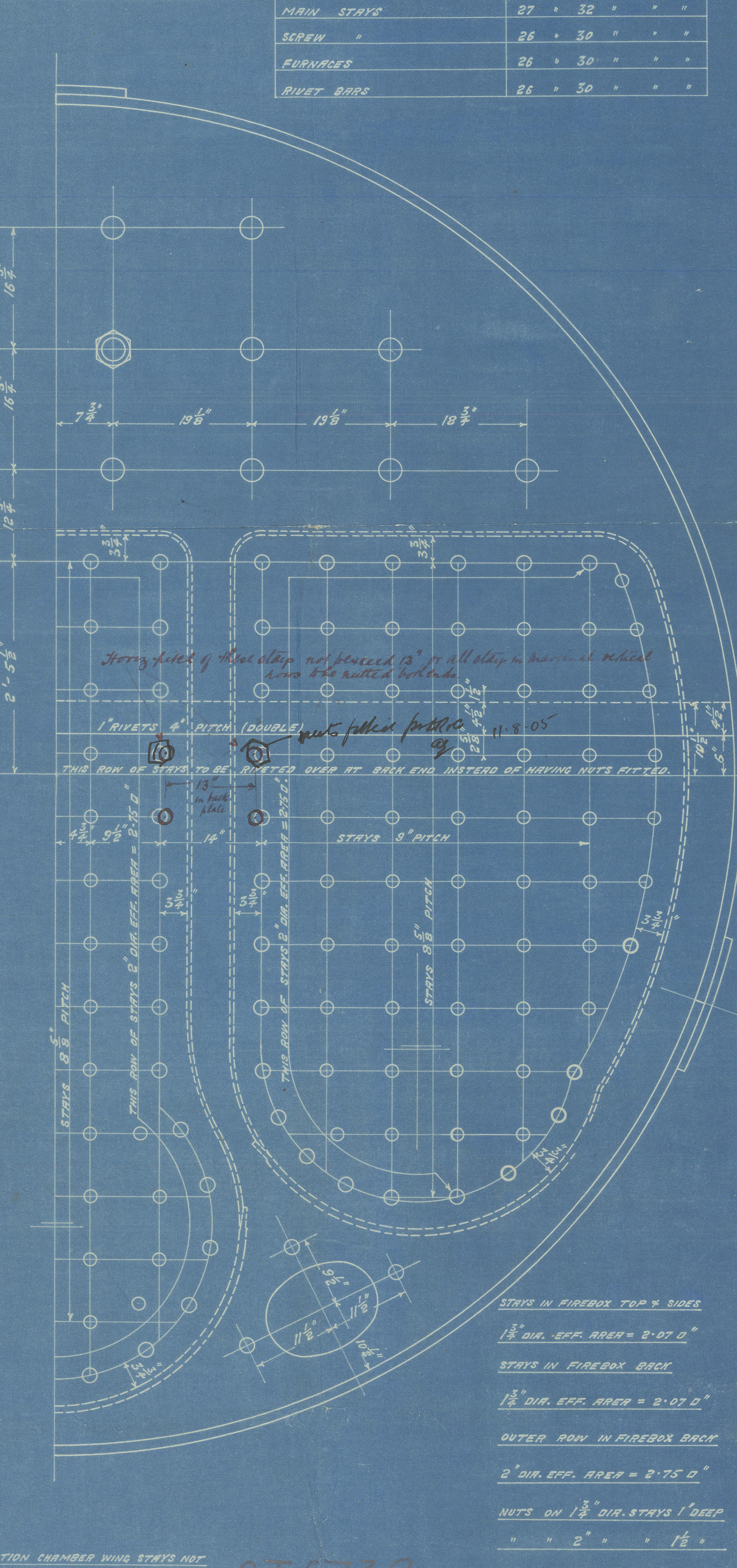
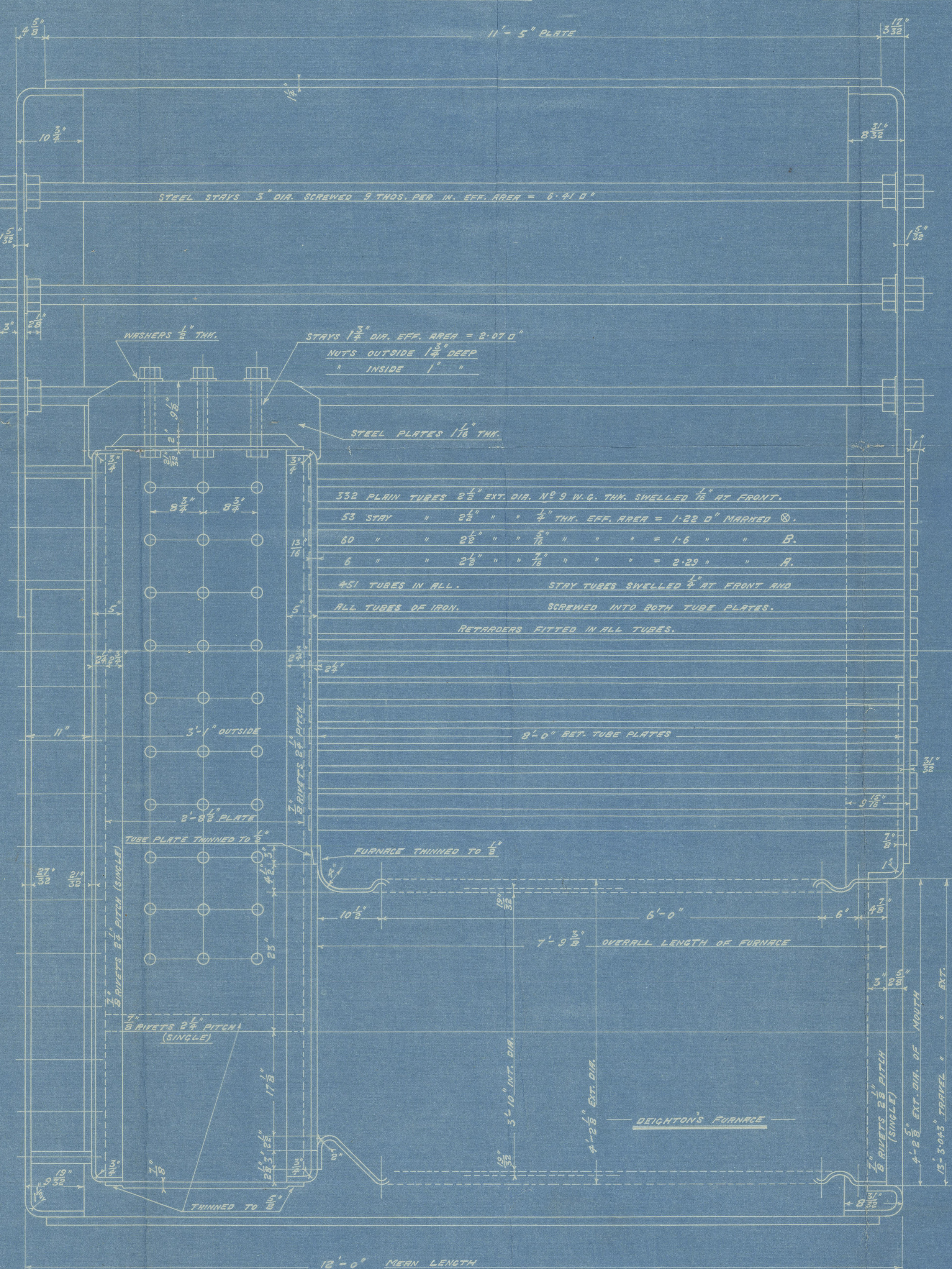
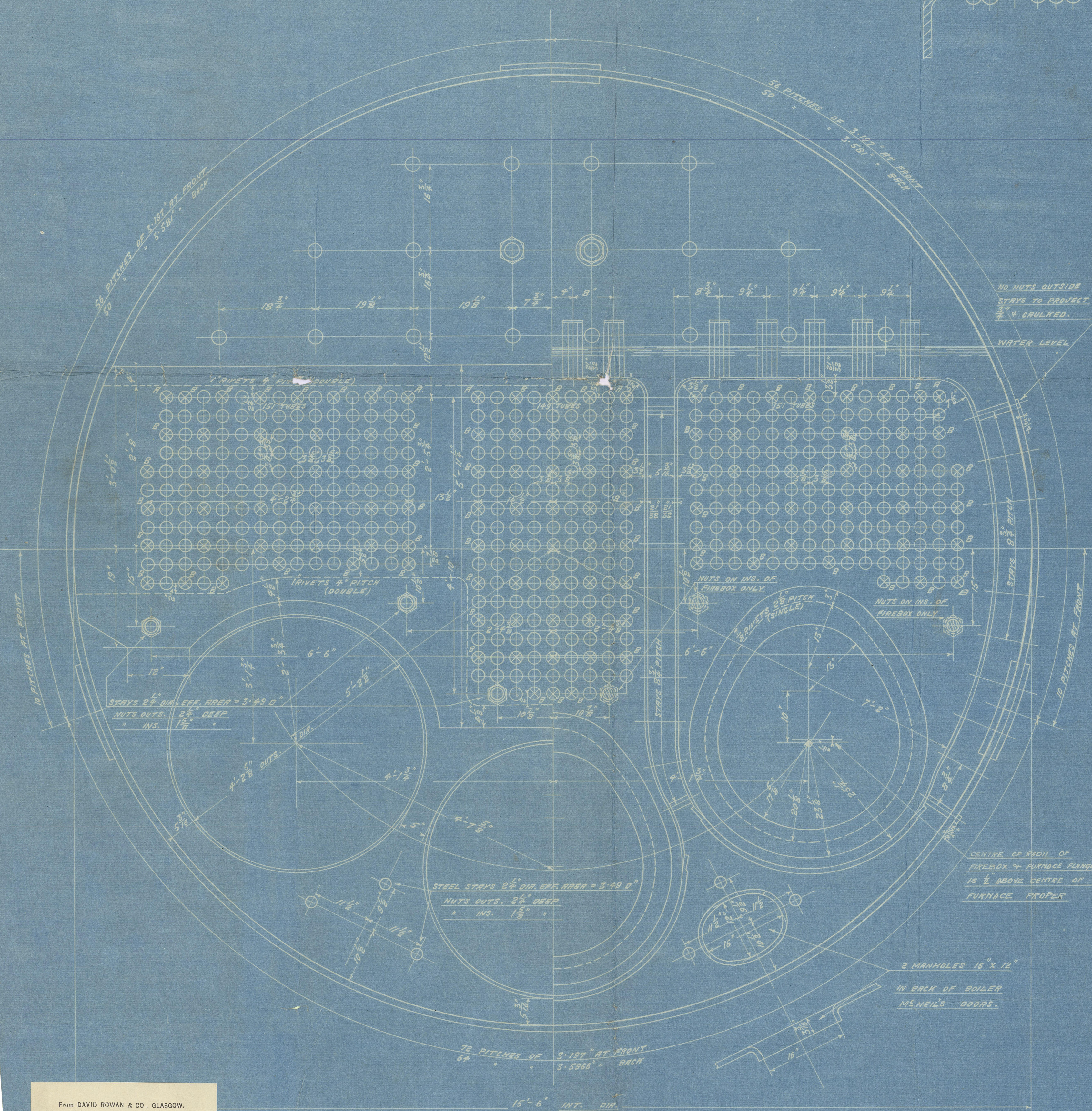


SHELL PLATE 1 1/2" THICK
BUTTSTRAPS INNER 1 3/8"
" OUTER 3/4"

PITCH	RIVETING		
	LONG JOINT	FRONT END SEAM	BACK END SEAM
DIR. OF RIVETS	0	3-187	3501/3-5866
PLATE %	85.4	62.8	63.8
RIVET %	89.4	47	51.2

TENSILE STRENGTHS	
SHELL & BUTTSTRAPS	30 1/2 TO 32 TONS PER Q"
OTHER PLATES	26 " 30 " " "
MAIN STAYS	27 " 32 " " "
SCREW	26 " 30 " " "
FURNACES	26 " 30 " " "
RIVET BARS	26 " 30 " " "

ALL PLATES & RIVETS OF STEEL
ALL RIVET HOLES DRILLED IN PLACE



MAIN BOILER.
CON'N 427.
3 OFF.
WORKING PRESSURE 180 LBS. PER Q".
TO PASS LLOYD'S SURVEY.
SCALES 1 1/2" = ONE FOOT.

NOTE: - COMBUSTION CHAMBER WING STAYS NOT
TO HAVE NUTS OUTS. BUT TO PROTECT
BE CHALKED.

TR'N 1907
TARGED 3RD AUGUST 1895.

From DAVID ROWAN & CO., GLASGOW.
ENCLOSURE
Messrs. Lloyds Surveyors
W108-0098 1/2

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