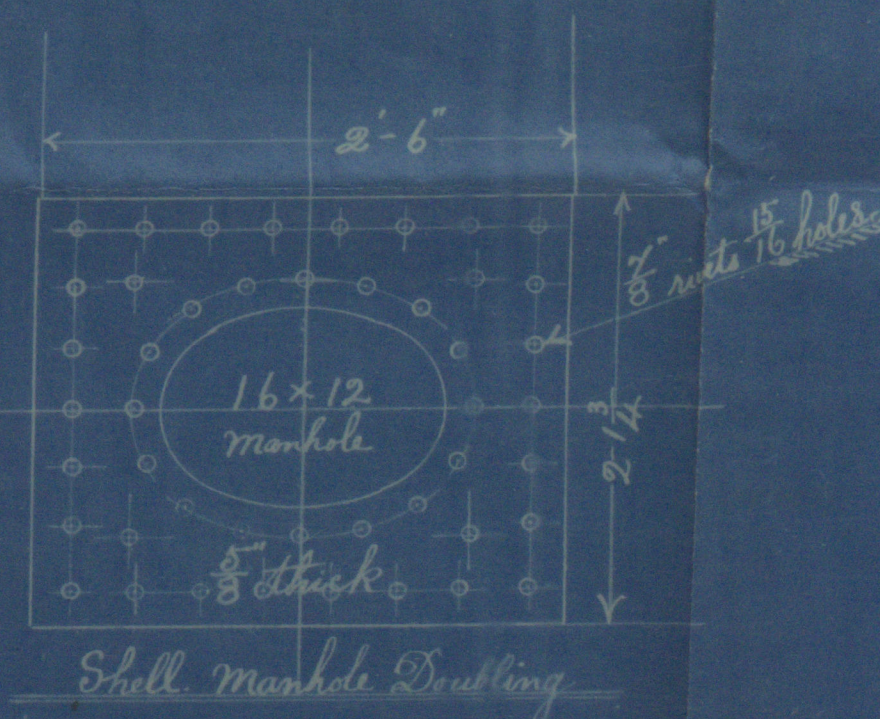
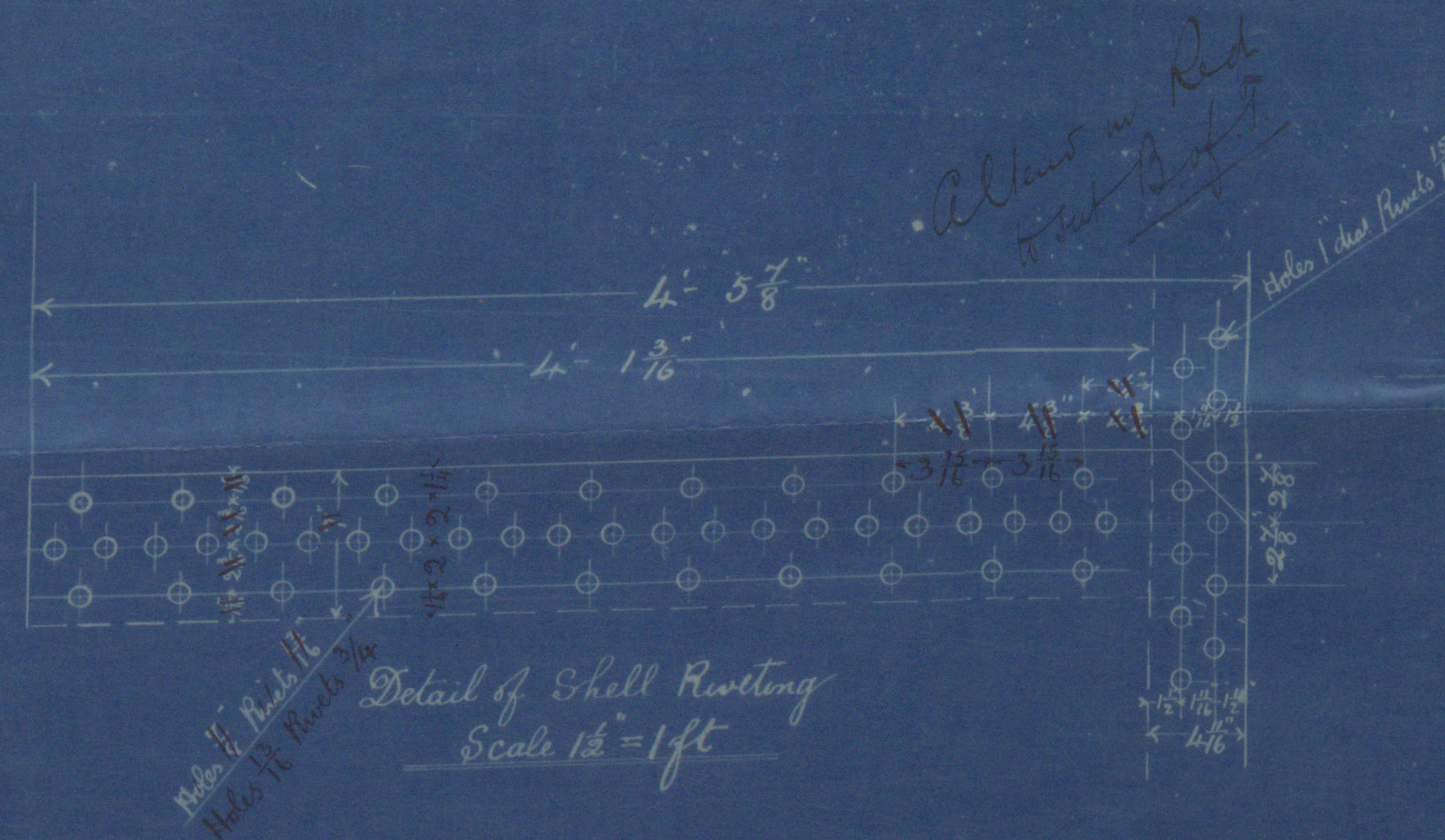


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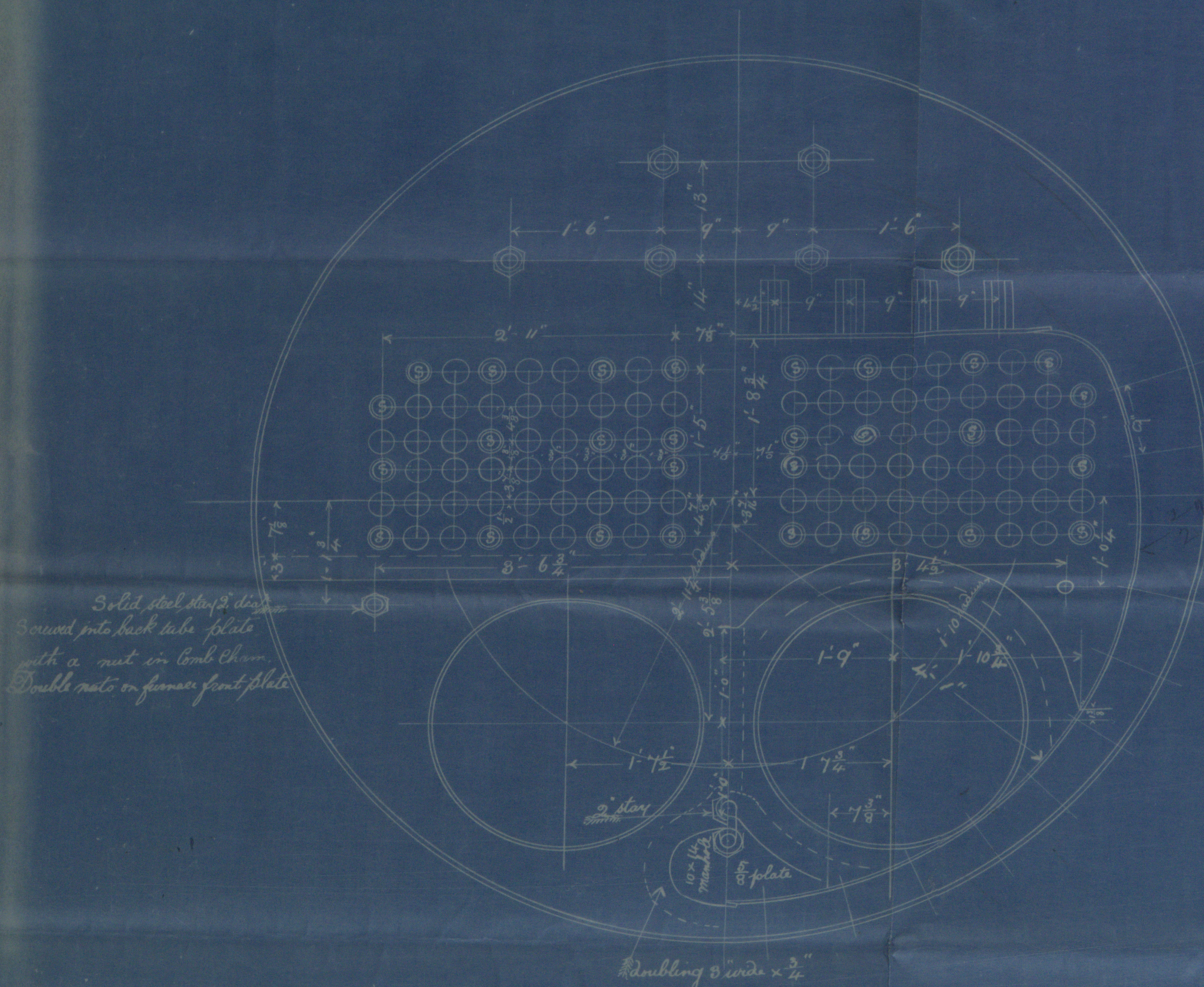


Heating Surface  
 106 tubes  $3\frac{1}{2}$  in. out dia. = 581.7 sq ft  
 Combustion Cham. = 30.1 sq ft  
 2 Furnaces = 69.0 sq ft  
 Total = 721.4 sq ft  
 B.S. with 4-6 bar = 28.9 sq ft

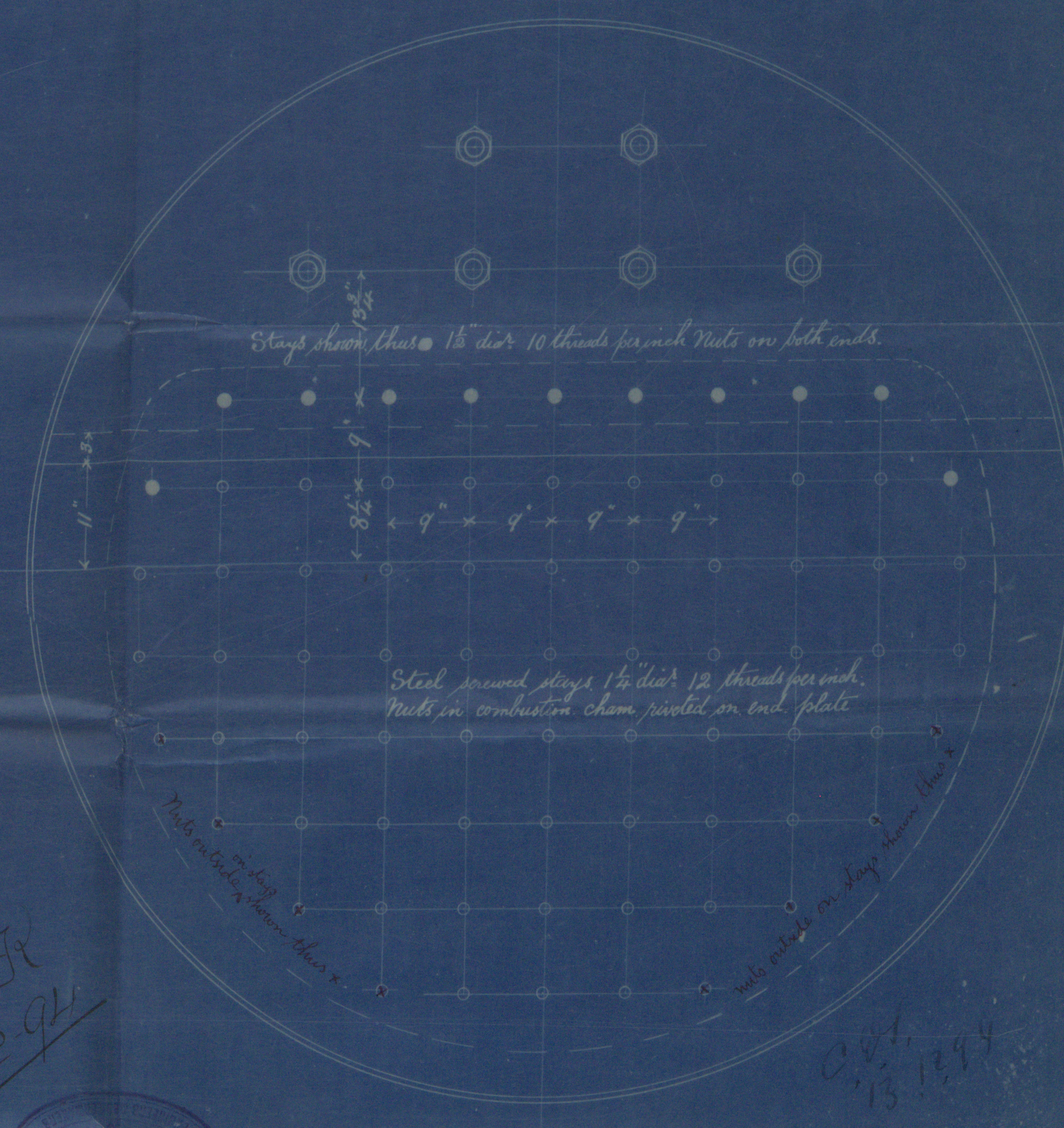
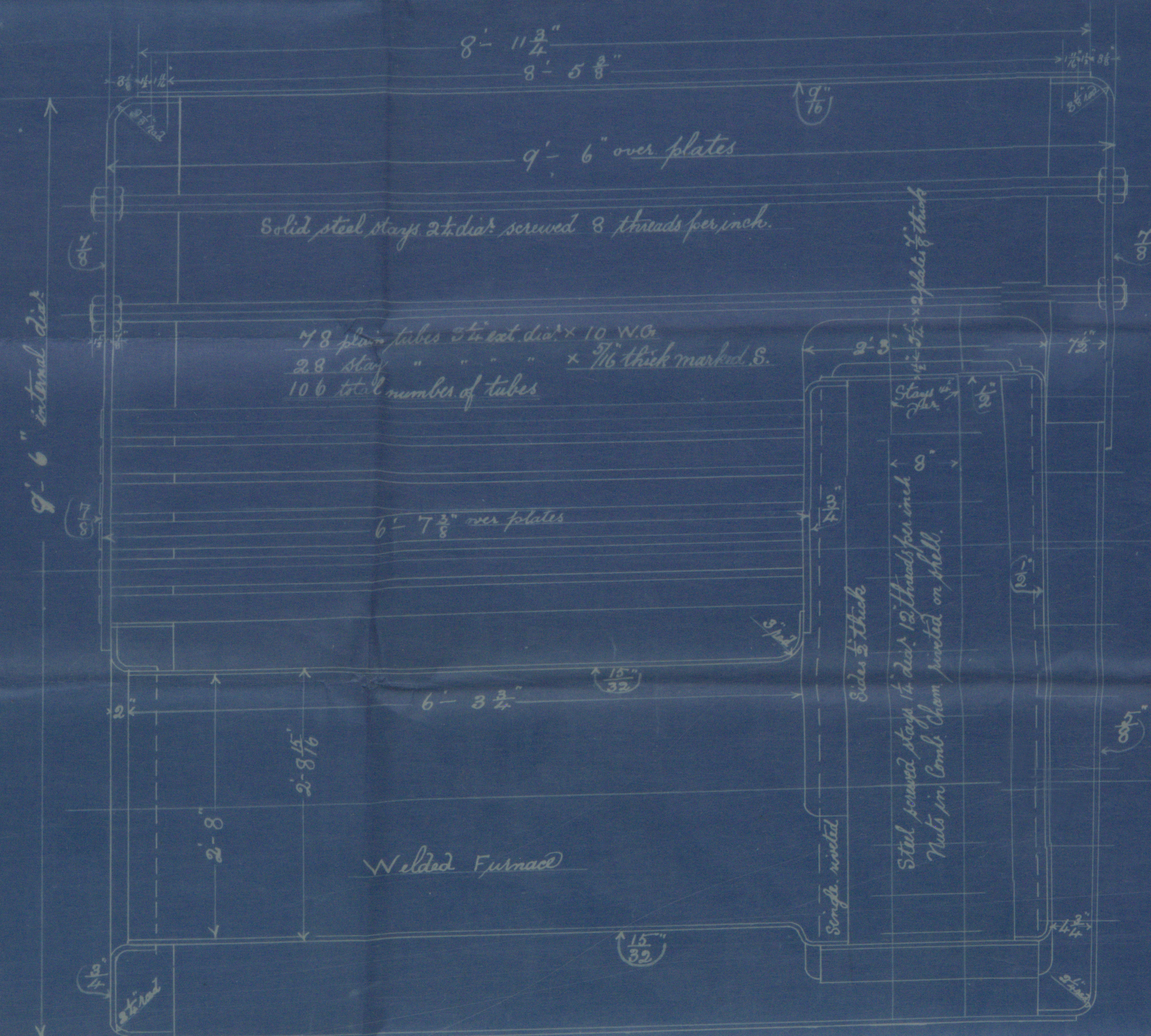


Longitudinal Seams. — Circumferential Seams.  
 Shell 7/16" Triple riveted lap joints Double riveted lap joints  
 Holes 1 1/8" dia. Rivets 1 1/8" dia. Pitch 1 1/2" Holes 1" dia. Rivets 1 1/8" dia. Pitch 2 1/2"  
 Plate 5/8" Rivets 2 1/8" 79.6% Plate 6.5.2% Rivets 5/16" 51.2%  
 All holes drilled in place. All holes drilled in place

Boiler of Steel Tubes & Stays Iron



Solid steel stays 2 1/2 in. dia. screwed 3 threads per inch.  
 Screwed into back tube plate with a nut in comb. cham.  
 Double nuts on furnace front plate



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Under Board of Trade & Lloyd's Survey for a working pressure of 90 lbs per sq. inch

STEEL DONKEY BOILER  
 No 160

SCALE 1/4" = 1"







160  
Donkey hauler  
Thomas Jackson  
"Langbank"  
Glasgow Report  
No 13992.—



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