

# NORTHUMBERLAND ENGINE WORKS

TRACING 563A.

SCHEDULE L.

STEAM BOILER.

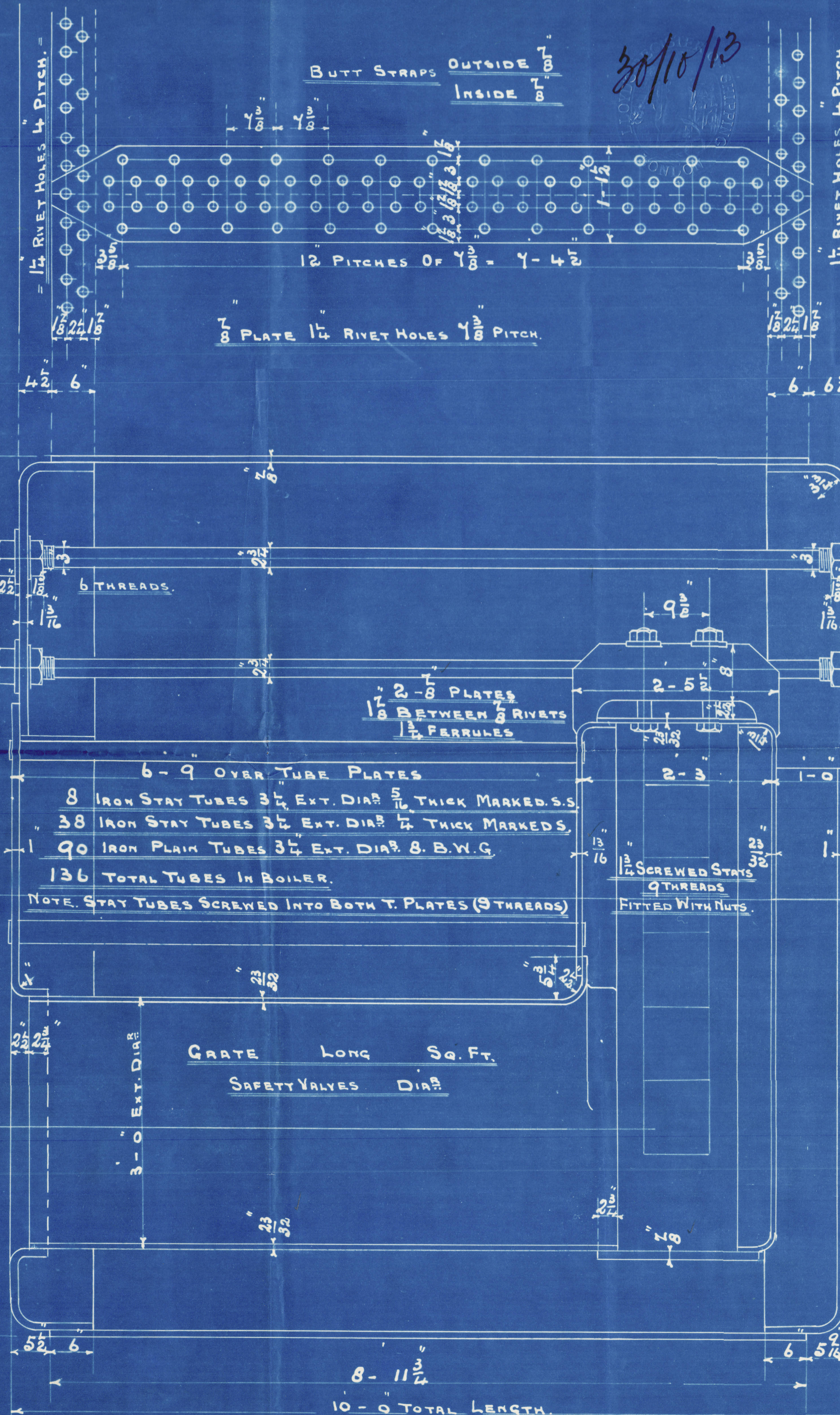
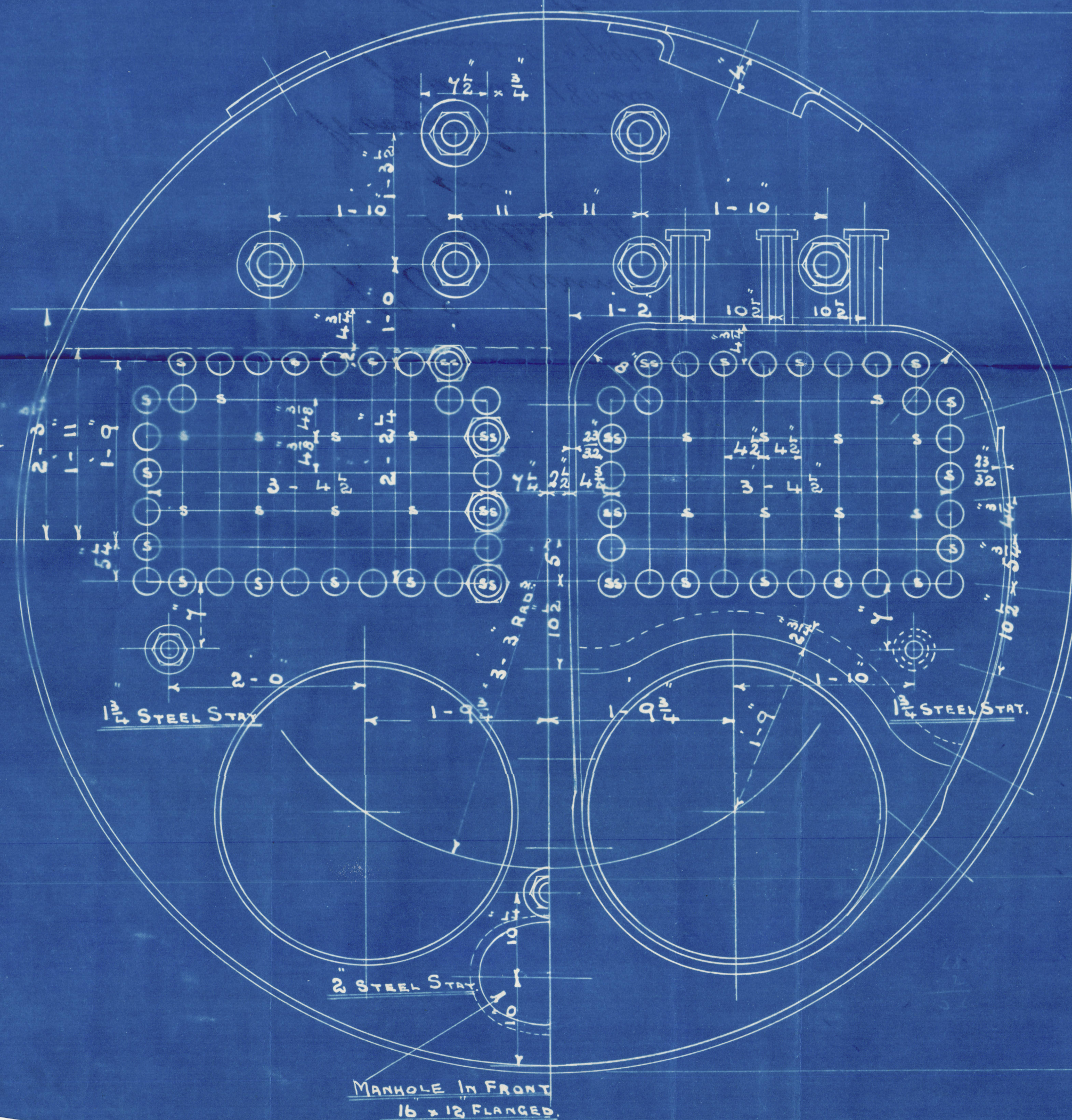
SCALE 1 INCH = ONE FOOT.

PERCENTAGE STRENGTH OF PLATE = 82.9%.

PERCENTAGE STRENGTH OF RIVETS = 84.8%.

LLOYDS =  $22.58 \times (14-2) \times 82.9 = 180$  YLBS.

MANHOLE IN SHELL 16" x 12"  
MANHOLE COMPENSATING RING 2-8 1/2" x 2-4 1/2" x 3/4"



SURVEY TO LLOYDS AND OWNERS APPROVAL

HEATING SURFACE ON TUBES = 781 SQ. FT.

ELSEWHERE = 215 SQ. FT.

TOTAL = 996 SQ. FT.

STEAM SPACE = CUB. FT.

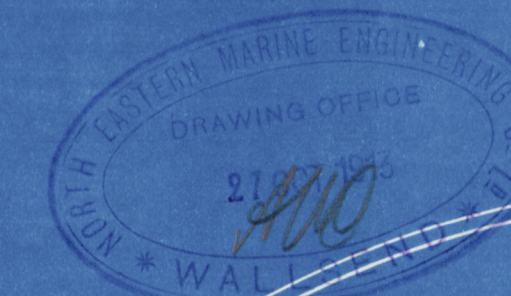
WORKING PRESSURE 180 LBS.

TEST PRESSURE 360 LBS.

NOTE: ALL PLATES STAYS 9/16" TO BE OF STEEL. SMOKE TUBES OF IRON.

TENSILE STRENGTH OF SHELL PLATING TO BE NOT LESS THAN 28 1/2 TONS.

ALL HOLES DRILLED IN PLACE AFTER PLATES ARE BENT.



APPROVED  
 30/10/13  
 P. M. S.  
 30.10.13.

STAYS MARKED THUS 1 1/4" DIA. (9 THREADS)

ALL OTHERS 1 1/2" DIA. (9 THREADS)

NOTE: ALL SCREW STAYS SCREWED INTO PLATE AND FITTED WITH NUTS.

1. THUS.

AUXILIARY BOILER.

CONTRACT 2143.

W. 256 - COB 5114



N. E. M. E. CO., LIMITED, WALLSEND.

—  
**ENCLOSURE**

FOR

Messrs. ....

*Lloyds*

W756 - 0085 (2 1/2)



N. E. Moorme  
Aux Boiler 2143  
for  
Wood Skinner 187  
pressure 180 lbs  
amended 28/10/13  
Newcastle

S.S. SPRING WELL  
NEWCASTLE-ON-TYNE.

Report No 66085

RETAIN

W756 - 66085(1/2)



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Foundation