

A & B TYPE

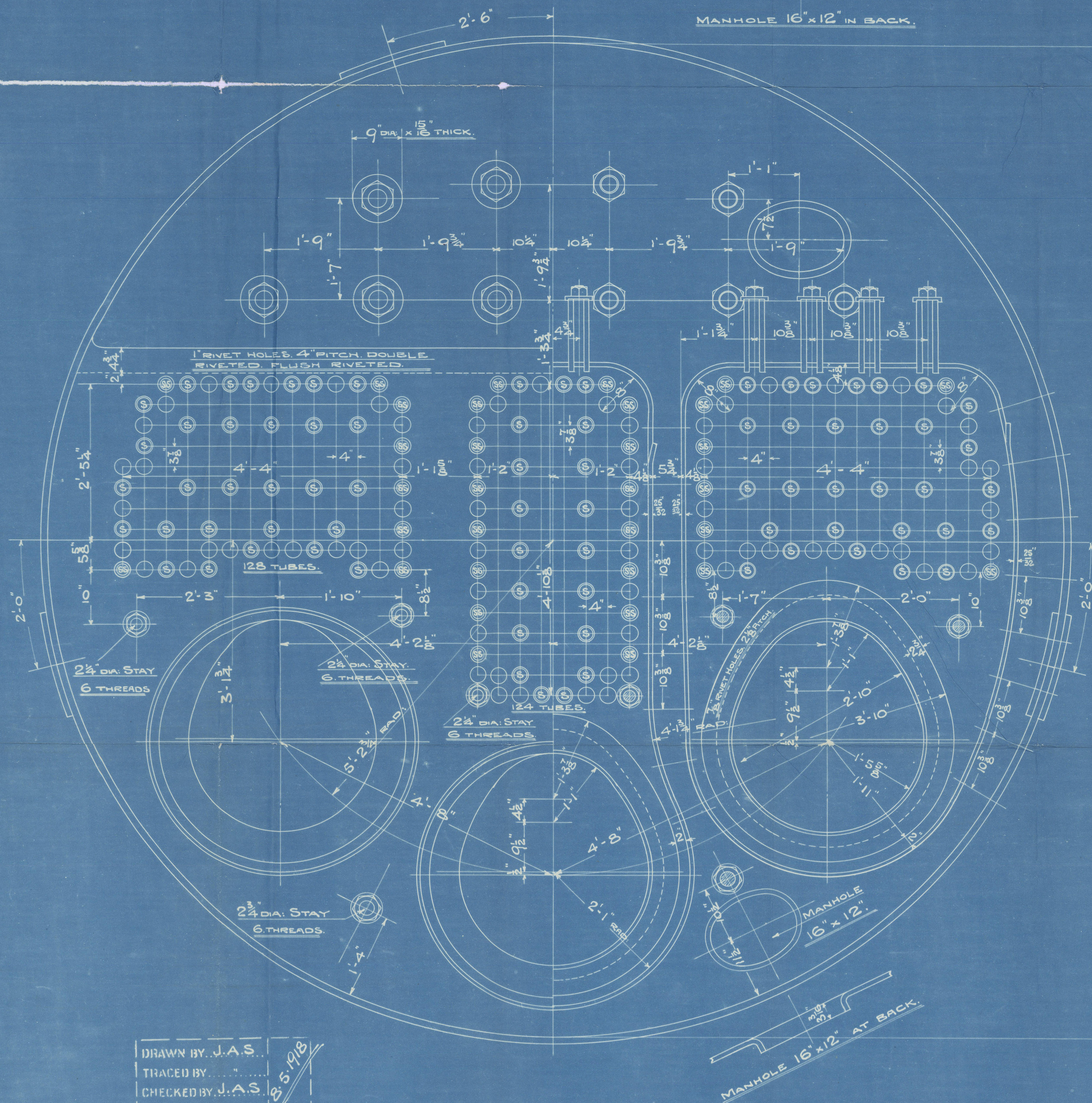
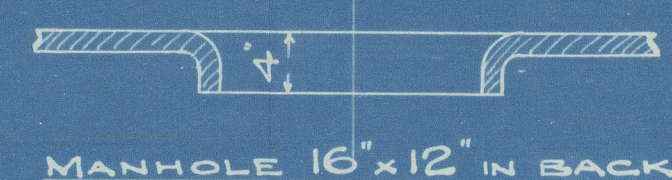
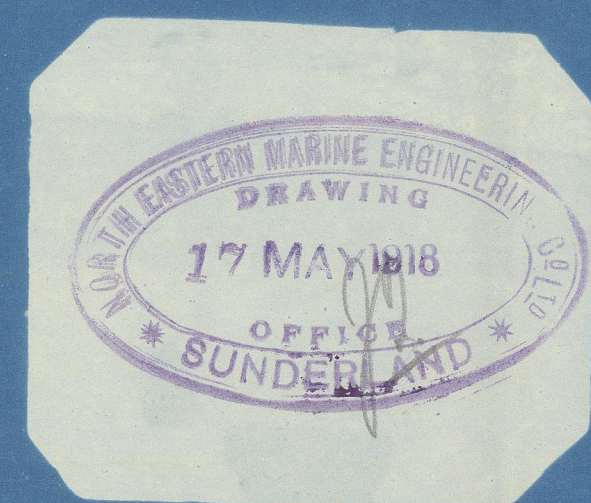
THE NORTH EASTERN MARINE ENGINEERING CO LTD

SUNDERLAND.

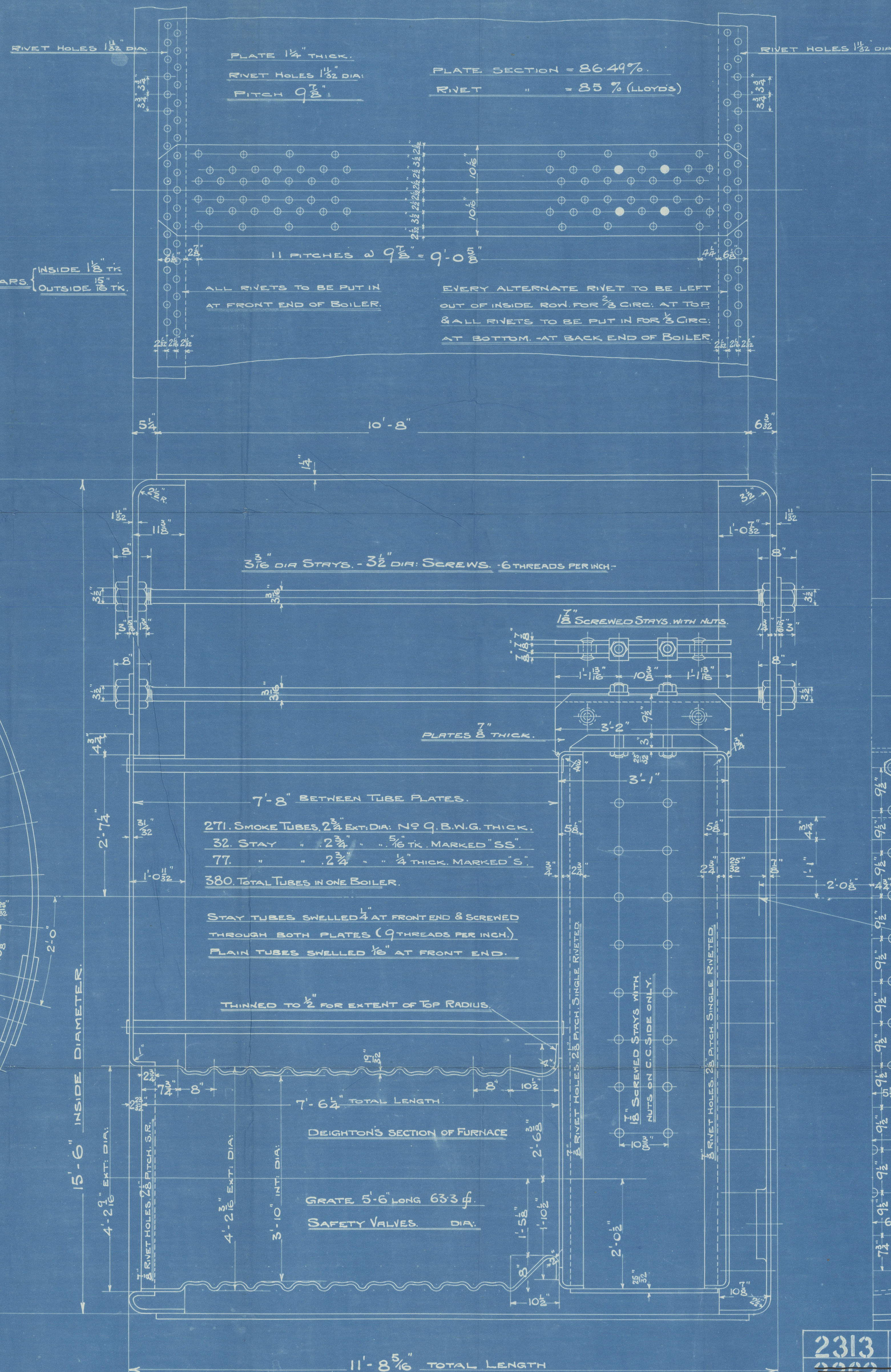
BOILER

SCALE = 1 INCH TO A FOOT.

SCHEDULE 'L'.



DRAWN BY J.A.S.  
TRACED BY J.A.S.  
CHECKED BY J.A.S.



SURVEY: SEE LIST OF CONTRACTS BELOW

SHELL (LOYD'S)	2.2 (20-2) 8.5	181 LBS PER SQ
" (BRITISH CORP)	20.4 (20-1) 86.49	180.2 " " "
WORKING PRESSURE.	180	" " "
TEST	360	" " "
HEATING SURFACE ON TUBES	2100 SQ FEET	" " "
" " OTHER PARTS	500	" " "
" " TOTAL	2600	" " "
EX: FRONT TUBE PLATES	2566	" " "
EFFECTIVE AREA OF STAYS		
2 3/4" STAY TUBES 5/16" K. 9 THREADS PER INCH	1.79	SQ. INCHES
2 3/4" " " 4" 9	1.36	" " "
3 1/2" MAIN STAYS	6	7.98
2 3/4" " " 6	5.05	" " "
2 3/4" " " 6	3.26	" " "
2" SCREWED " " 9	2.71	" " "
1 1/2" " " 9	2.36	" " "
ALL PLATES, RIVETS & STAYS - STEEL		
TUBES - WROUGHT IRON		
HOLES TO BE DRILLED IN PLACE AFTER BENDING		
TENSILE STRENGTH OF SHELL PLATES & BUTT STRAPS 28 TO 32 TONS		
" " GIRDER " & MAIN STAYS 28 TO 32 TONS		
" " OTHER PLATES, STAYS ETC. 26 TO 30 " "		



CONTRACTS

2313	LOYD'S SURVEY	2400	BRITISH CORP
2362	LOYD'S SURVEY	2401	LOYD'S SURVEY
2372	LOYD'S SURVEY	2402	LOYD'S SURVEY
2405	LOYD'S SURVEY	2403	LOYD'S SURVEY
2406	LOYD'S SURVEY	2404	LOYD'S SURVEY

DRAWING No 6612.



# SUNDERLAND

N.E. MARINE ENG CO LD

(3) BOILERS N<sup>o</sup> 2313

(amended plan)

WP=180 LBS W"

R. THOMPSON & SONS LD

S/S N<sup>o</sup> 307

Starboard Boiler <sup>23-518</sup>

No. 3512.....

LLOYD'S TEST

360 lbs.

27-11-1918 L.C.D.

Centre Boiler

No. 3514.....

LLOYD'S TEST

360 lbs.

30-11-1918 L.C.D.

Port Boiler

No. 3518.....

LLOYD'S TEST

360 lbs.

6-12-1918 L.C.D.

*Americ*

SUNDERLAND RPT. NO. 27532

W1166-0214