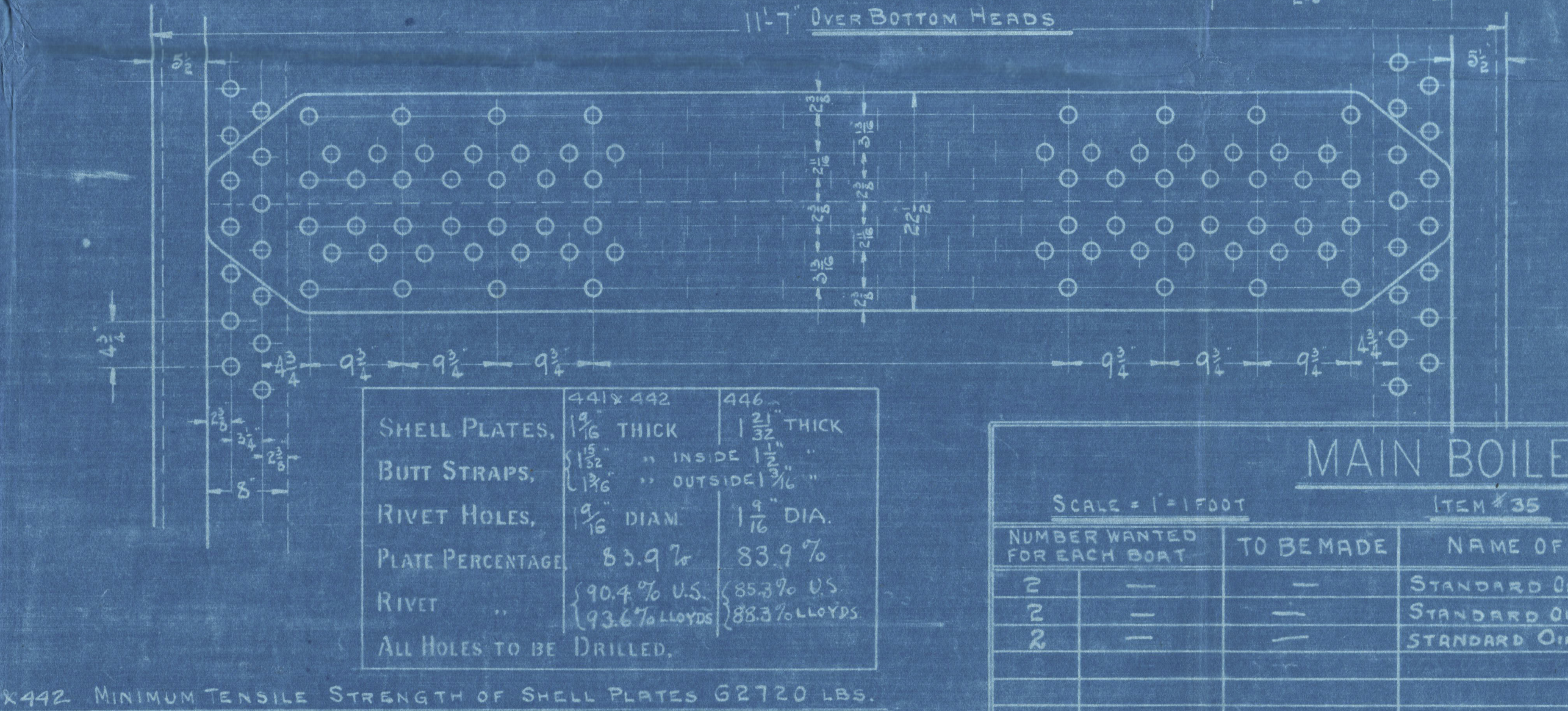


ONE BOILER AS DRAWN.
ONE BOILER TO OTHER HAND.

| | | |
|---------------------------------------|------|--------|
| HEATING SURFACE, 62 TUBES, 2 1/2 DIA. | SQFT | 3257.4 |
| 4 FURNACES, | | 236.1 |
| 4 COMBUS ⁿ CHAMBERS | | 400.6 |
| TOTAL 1 BOILER. | | 3894.1 |
| 2 BOILERS | | 7788.2 |

GRATE SURFACE, (5-9 BARS) 900 SQ. FT. X 2 = 1800 SQ. FT.
RATIO, HEATING SURFACE TO GRATE = 43.2 TO 1.
AREA THROUGH TUBES 2234 SQ. IN. = 25.3 SQ. IN. PER SQ. FT. GRATE
WORKING PRESSURE, 150 LBS. PER SQ. IN.
TO BE MADE TO U. S. INSPECTION AND LLOYD'S

EVAPORATION 270 LBS OF WATER PER SQ. FT. OF GRATE
DUPLIX SAFETY VALVE 4 1/2 DIA.



(STEEL FOR 441-246
AND TO HAVE
3/8\"/>

ALL RIVETING IN THE COMBUSTION CHAMBERS
TO BE FINISHED WITH COUNTERSUNK HEADS

SEE DWG. B-1-157

| | | |
|--------------------------|---|----------------------------|
| | 441x442 | 446 |
| SHELL PLATES, | $\frac{1}{16}$ " THICK | $\frac{1}{16}$ " THICK |
| BUTT STRAPS, | $\frac{1}{16}$ " INSIDE $\frac{1}{16}$ " $\frac{1}{16}$ " OUTSIDE $\frac{1}{16}$ " | |
| RIVET HOLES, | $\frac{1}{16}$ " DIA. | $\frac{1}{16}$ " DIA. |
| PLATE PERCENTAGE, | 83.9% | 83.9% |
| RIVET .. | 90.4% U.S. 93.6% LLOYDS | 85.3% U.S. 88.3% LLOYDS |
| ALL HOLES TO BE DRILLED. | | |

MAIN BOILERS

SHEET #1

| MAIN BOILERS | | | | |
|-----------------------------|------------|------------------------|----------|--------------------------|
| SCALE = 1"=1 FOOT | | ITEM # 35 | | Aug 9 th 1915 |
| NUMBER WANTED FOR EACH BOAT | TO BE MADE | NAME OF SHIP | CONTRACT | DATE |
| 2 | — | STANDARD OILTANKER #1 | H-441 | 6-9-1915 |
| 2 | — | STANDARD OILTANKER #2 | H-442 | 8-9-1915 |
| 2 | — | STANDARD OIL TANKER #4 | H-446 | 10-28-1915 |
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Lloyd's Register
Foundation

W150-0019

FOR 441x442 MINIMUM TENSILE STRENGTH OF SHELL PLATES 62720 LBS.
FOR 446 MINIMUM TENSILE STRENGTH OF SHELL PLATES 60000 LBS.

1/8\"/>

Harlan & Hollingworth Corpⁿ
Contract no 441

Main Boilers

WP 180

Duplicate

Original plan approved 16-9-15.

N^o 116.
LLOYD'S TEST
270 lbs.
16-2-17 J.B.

S/S "Benjamin Brewster"

Chl. Rpt. No. 2566.



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W150-0019