

# BOILER

SCALE: 1 INCH TO ONE FOOT

TO PASS LLOYDS SURVEY FOR A WORKING PRESSURE OF 180 LBS.

|                 |       |   |                 |          |
|-----------------|-------|---|-----------------|----------|
| HEATING SURFACE | TUBES | = | 2118            | sq ft    |
| "               | "     | " | FURNACES        | = 183 "  |
| "               | "     | " | BOX BACKS       | = 87 "   |
| "               | "     | " | SIDES           | = 192 "  |
| "               | "     | " | BACK TUBE PLATE | = 52 "   |
| "               | "     | " | FRONT           | = 43 "   |
| "               | "     | " | ONE BOILER      | = 2675 " |
| "               | "     | " | TWO BOILERS     | = 5350 " |

GRATE AREA (5'-6" BARS) IN ONE BOILER = 71.5.  $\frac{1}{4}$

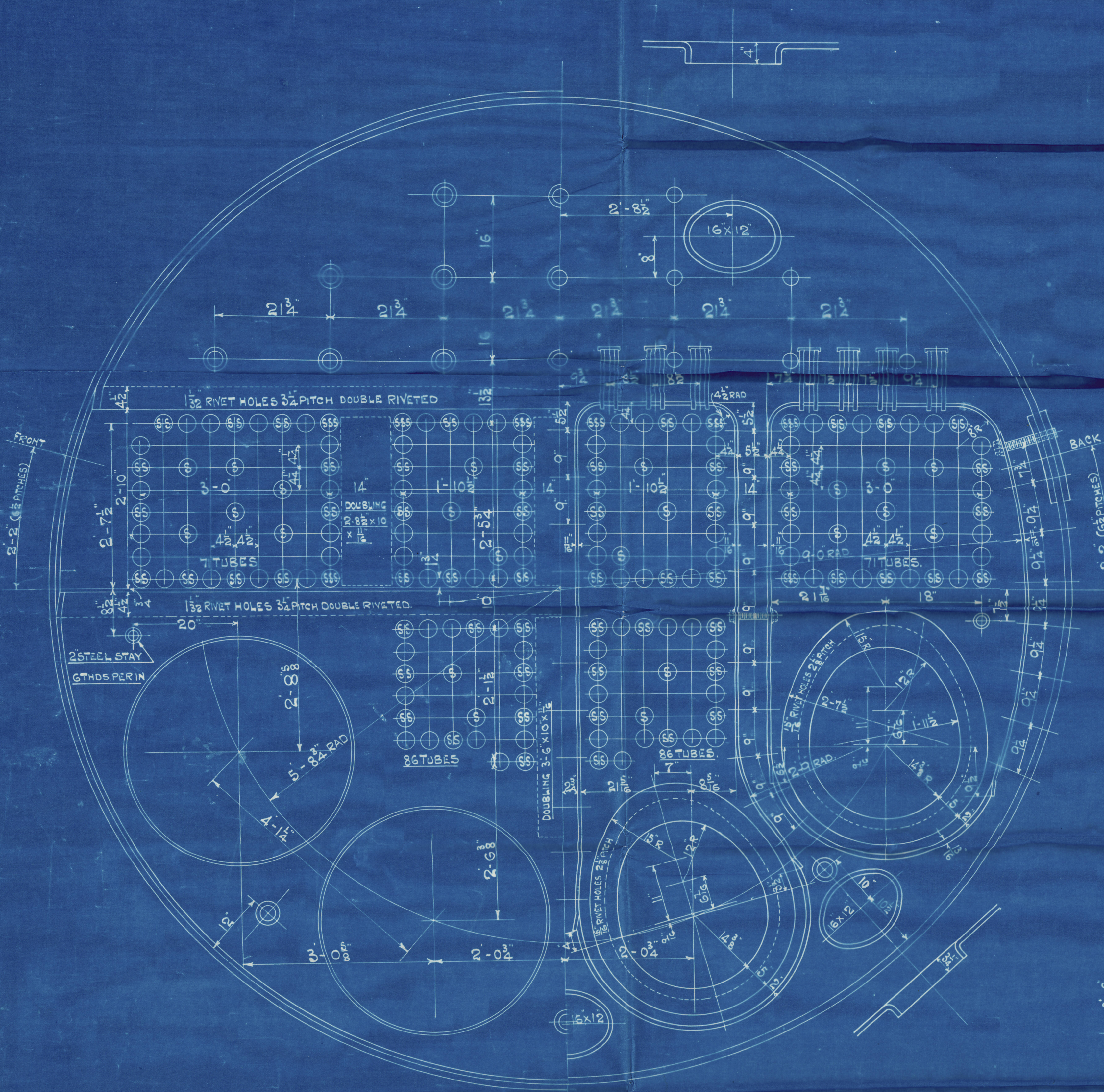
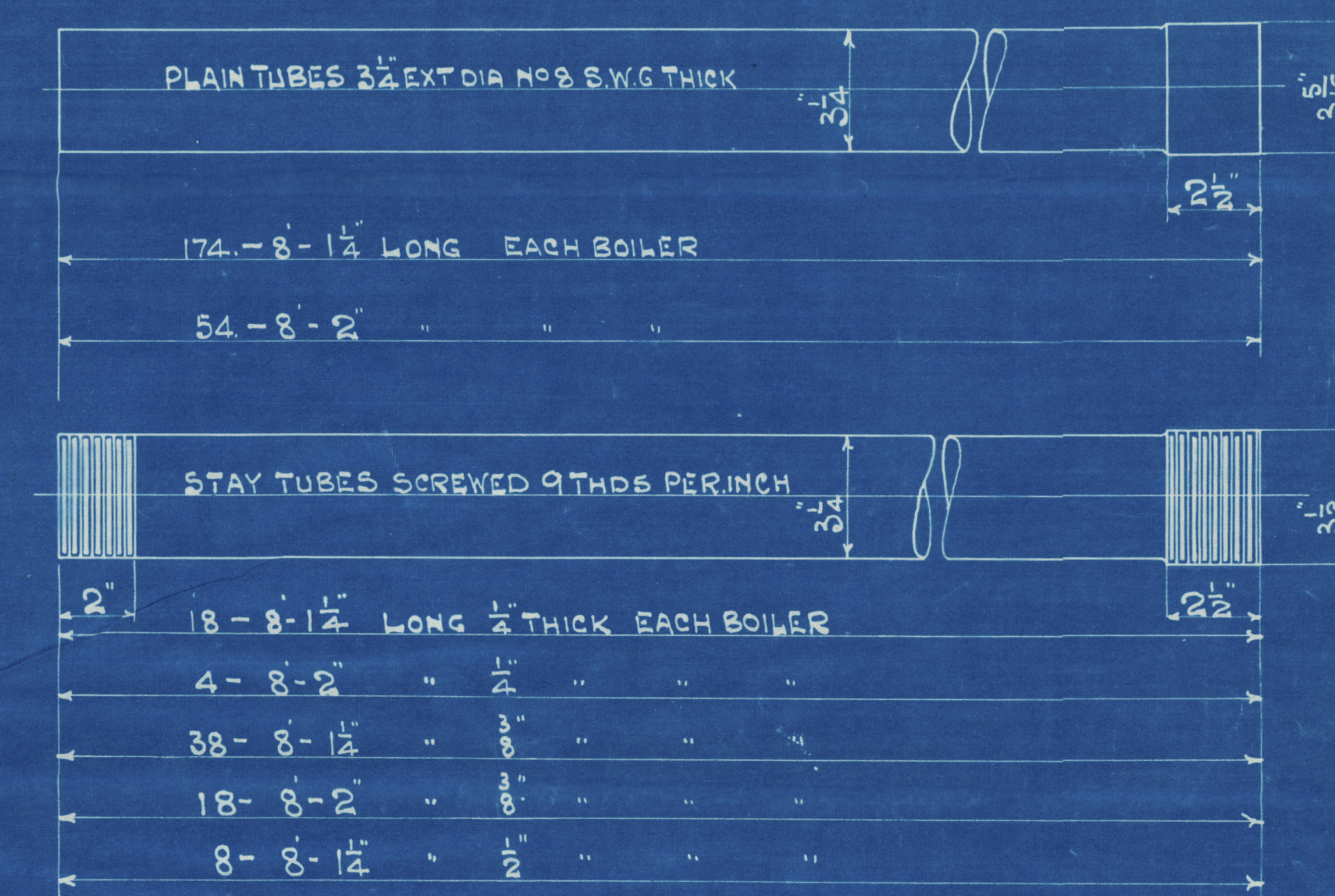
" " (5'-6" " ) " TWO " = 143. "

TENSILE STRENGTH OF SHELL PLATES & BUTT STRAPS 28 TONS TO 32 TONS

|   |     |  |         |   |         |
|---|-----|--|---------|---|---------|
| " | 30" | " GIRDER PLATES & LONGITUDINAL STAYS : | 28'00 " | " | 32'00 " |
|   |     | OTHER PLATES STAYS & RIVETS :          | 26'00 " | " | 30'00 " |

ALL PLATES STAYS & RIVETS OF STEEL, TUBES OF WROT IRON. ALL RIVET HOLES DRILLED IN PLACE.

NOTE :- ALTERNATE RIVETS TO BE OMITTED ON THE INNER ROWS OF CIRCUMFERENTIAL SEAMS EXCEPT FOR 1<sup>st</sup> & 4<sup>th</sup> CIRC AT BOTTOM EVERY RIVET FITTED IN WAY OF BUTT STRAPS.

BOILER N°. S.2162.- 65 

N° OFF. 2. 2. 

| FIREBOX STAYS (STEEL) |      |        |             |                  |
|-----------------------|------|--------|-------------|------------------|
| POSITION              | MARK | DIA    | EFFECT AREA | REMARKS          |
| BACK TOP & SIDES      | ○    | 1 3/4" | 2' 03"      | NUTS INSIDE ONLY |
| BACK MARGINAL         | ⊗    | 1 3/8" | 2' 36"      | " " " C.C. "     |
| " "                   | ○    | 1 3/8" | 2' 36"      | " " " "          |
| " CORNER              | ●    | 2"     | 2' 71"      | " AT BOTH ENDS   |



SUNDERLAND

RICHARDSONS WESTCARTH &

(2) BOILERS N<sup>o</sup> 2165

DUPLICATE OF N<sup>o</sup> 2162

APPROVED 9-4-20

FOR S/S "SNA6". S.L.R. N<sup>o</sup> 28212

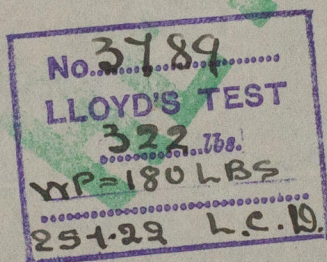
WP=180 LBS

TEST PRESSURE 322 LBS

SEE LON LTR E. 26-8-20

OSBOURNE GRAHAM & C.

S/S N<sup>o</sup> 245



SUNDERLAND. NO. 28362.



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