

U.S. Rules		Working Pressure	Lloyds Rules.		Working Pressure
Shell	$\frac{5300 \times 1.5}{5} + 20\%$	212	Shell	$2 \times x (2\frac{1}{2} - 2) \times 84.4$	228
Upper head	$1.75 \times 2\frac{1}{2}$	216	Upper head	$\frac{175 \times 2\frac{1}{2}}{(W.T. \times \frac{1.5}{3.1416})}$	237
Welder's Vase	$140 \times (1.19 \times 10^{-7}) \times 1.2$	227	Welder's Vase	$\frac{140 \times (1.19 \times 10^{-7})}{(1.12 \times 1.7)}$	268
Front Head	$1.3 \times 1.35 (1.04 \times 10^{-7}) \times 1.2$	225	Front Head	$\frac{1.3 \times 1.35 (1.04 \times 10^{-7})}{(1.12 \times 1.7)}$	292
Welder's Vase	1.2	225	Welder's Vase	$\frac{1.2}{(1.12 \times 1.7)}$	314
Black Head	1.2×1.21	242	Black Head	$\frac{1.2 \times 1.21}{(1.12 \times 1.7)}$	298
Wrepper	1.3×1.21	255	Wrepper	$\frac{1.3 \times 1.21}{(1.12 \times 1.7)}$	285
Sheet	$\frac{1.3 \times 1.21}{5}$	242	Sheet	$\frac{1.3 \times 1.21}{(1.12 \times 1.7)}$	214
Sheet	$\frac{1.3 \times 1.21}{5}$	242	Sheet	$\frac{1.3 \times 1.21}{(1.12 \times 1.7)}$	214
Flame	1.2×1.21	242	Flame	$\frac{1.2 \times 1.21}{(1.12 \times 1.7)}$	214
Sheet	$\frac{1.2 \times 1.21}{5}$	242	Sheet	$\frac{1.2 \times 1.21}{(1.12 \times 1.7)}$	214
Crown	$\frac{1.2 \times 1.21 \times 1.5}{5}$	243	Crown	$\frac{1.15 \times 1.21 \times 1.5}{5}$	292
Bars	$\frac{1.12 \times 1.21 \times 1.5 \times 1.35 \times 1000}{5}$	213	Bars	$\frac{1.12 \times 1.21 \times 1.5 \times 1.35 \times 1000}{5}$	292
Sheet	$\frac{1.12 \times 1.21 \times 1.5 \times 1.35 \times 1000}{5}$	213	Sheet	$\frac{1.12 \times 1.21 \times 1.5 \times 1.35 \times 1000}{5}$	292
Round Bottom	$50 \times (1.00 \times 395 \times 2.3 \times 1.5)$	212	Round Bottom	$50 \times (1.00 \times 395 \times 2.3 \times 1.5)$	224
Combustion Chamber	$\frac{51 \times 375}{5}$	212	Combustion Chamber	$\frac{51 \times 375}{5}$	224
Furnaces	$\frac{15000 \times 1.66 \times 1.6}{4.5 \times 75}$	222	Furnaces	$\frac{12500 \times (1.65 \times 2)}{4.8 \times 62.5}$	224

All screwed stays to be drilled both ends with a $\frac{3}{16}$ " Hole to depth of $\frac{1}{2}$ " beyond inside surface of sheet.

All Holes Drilled - Steel Plates - Steel Rivets

Lloyds - Shell 60000 to 71690 Lbs T.S.

Flange 58240 to 67200 Lbs T.S.

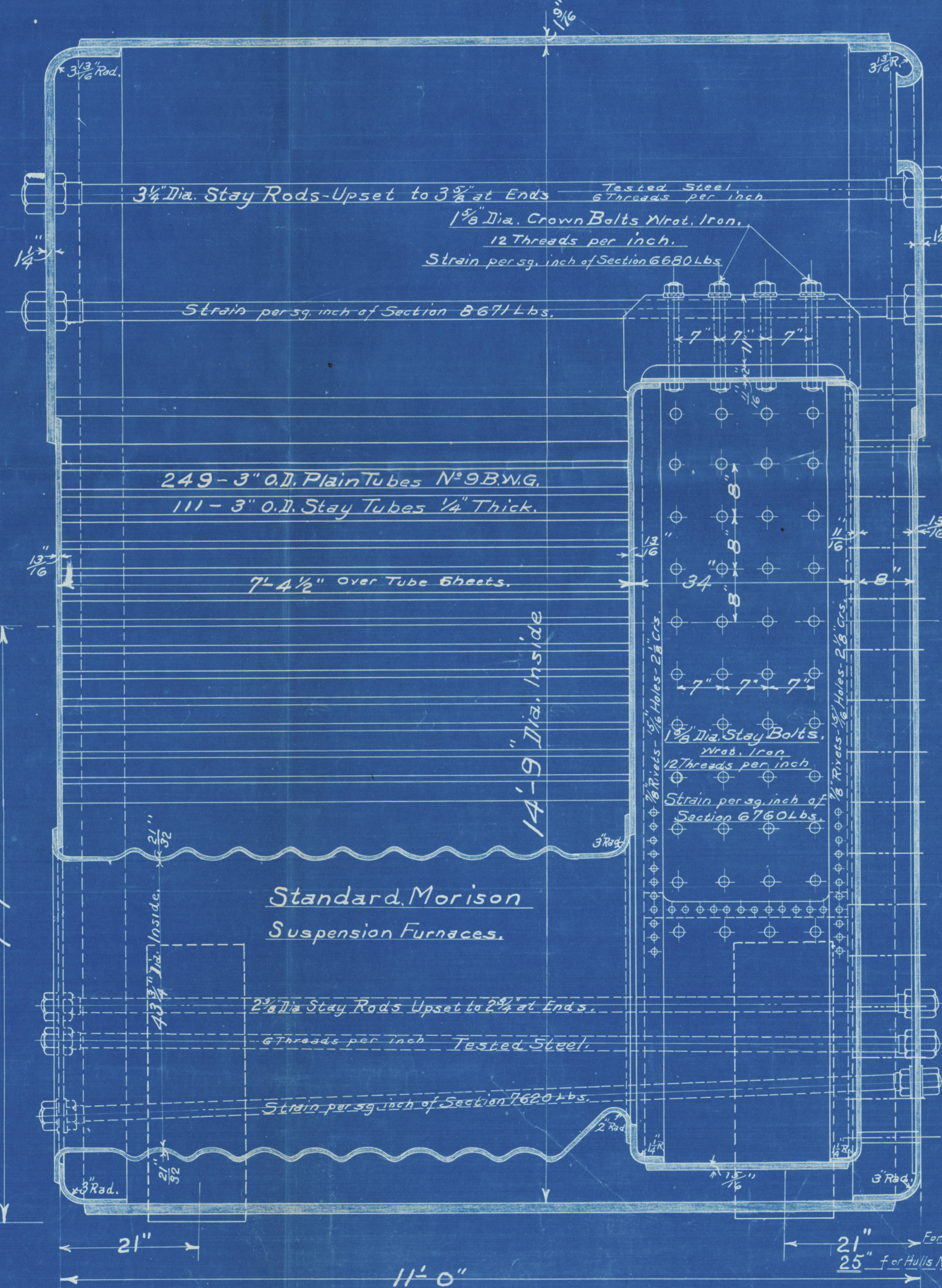
Working Pressure 210 Lbs.

Heating Surface.

Tubes 2175 sq.ft.

Furnaces 235 " "

Total. 2685 sq. ft.



Alterations
Location of Saddles at back end of Boile
changed from 21" to 25" for Halls 9-10 & 12
July 30/1917 *WMS*

Hull-Nº 9 S.S. "~~Nikkosan Maru~~"
"INDIANA"

Main Boilers

14'-9" Dia. Inside x 11'-0" Long

for 3 wanted Hull N° 10

Skinner & Eddy Corp.

Scale:- 1" = 1 Foot.

Commercial Boiler Works

Seattle, U.S.A.

3 wanted Hull N ^o 10				
3	11	11	11	11
3	11	11	11	12
3	11	11	11	13
3	11	11	11	14
3	11	11	11	15
3	11	11	11	16
3	11	11	11	17
3	11	11	11	18
3	11	11	11	19
3	"	"	"	9





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Lloyd's Register

Foundation