

Boiler S. S. Lambesi

13'-0 mean dia. x 16'-0 long.

Working pressure. 85 lbs.

Assuming Factor of Safety-

$$\left. \begin{array}{r} B \dots 5.0 \\ \dots .3 \\ V \dots .3 \end{array} \right\} \underline{\underline{5.6}}$$

$\frac{3}{4}$ " Shell. thickness in Steel @ 28 Tons.

giving a numeral = 74256
as against req^d - do - of 76101

Heating Surface. 400 tubes. 6'-5 $\frac{1}{2}$ " long.

Tubes. 5.91 sq. ft x 400 = 2364 sq. ft

Furnaces. 42" dia. inside = 124 - do.

Fire box Sides & Tops = 96 - do

Tube plates - less Tubes. 74 - do

One Boiler - 2658 sq. ft

Total Firegrate area. 5'-5" x 3'-5" x 8 furns

154 sq. ft

