\[ \text{Stress on } E = \frac{W \sec \theta}{2} = 15.3 \text{ k} \]
\[ \ldots \quad D = \frac{W \sec \theta}{2} = 76.5 \text{ k} \]
\[ \ldots \quad C = 0 = 0 \]
\[ \ldots \quad B = \frac{W \sec \theta}{2} = 76.5 \text{ k} \]
\[ \ldots \quad A = \frac{W \sec \theta}{2} = 15.3 \text{ k} \]

I will now calculate the cross-sections of the different members of the bridge. Taking first the diagonals, and since in these calculations I need both the minimum and maximum strains which occur in them, I shall make a table of these strains, and afterwards substitute them in the formula found.