CONCRETE TECHNOLOGY CORPORATION

MANUFACTURING TOLERANCES

\[ a = \text{Length} \pm 1 \text{ in.} \]
\[ b = \text{Width} \pm 1/4 \text{ in.} \]
\[ c = \text{Depth} \pm 1/4 \text{ in.} \]

\[ d_1 = \text{Top of flange thickness} \]

Top flange area defined by the actual measured values of average \( d_1 \times b \) shall not be less than 85% of the nominal area calculated by \( d_1 \) nominal \( \times b \) nominal.

\[ d_b = \text{Bottom flange thickness} \]

Bottom flange area defined by the actual measured values of average \( d_b \times b \) shall not be less than 85% of the nominal area calculated by \( d_b \) nominal \( \times b \) nominal.

\[ c = \text{Web thickness} \]

The total cumulative web thickness defined by the actual measured value \( \Sigma e \) shall not be less than 85% of the nominal cumulative width calculated by \( \Sigma e \) nominal.

\[ f = \text{Rough Opening} \pm 2 \text{ in.} \]
\[ g = \text{Flange angle} \ldots 1/8 \text{ in. per 12 in.}, \ 1/2 \text{ in. max.} \]
\[ h = \text{Variation from specified end} \]

squaredness or skew \( \pm 1/2 \text{ in.} \)
\[ i = \text{Sweep (variation from straight line)} \]

parallel to centerline of member \( \ldots 3/8 \text{ in.} \)

\[ j = \text{Center of gravity of strand group} \]

The CG of the strand group relative to the top of the slab shall be within \( \pm 1/4 \text{ in.} \) of the nominal strand group CG.

The position of any individual strand shall be within \( \pm 1/2 \text{ in.} \) of nominal vertical position and \( \pm 3/4 \text{ in.} \) of nominal horizontal position and shall have a minimum cover of 3/4 in.

\[ k = \text{Local smoothness} \pm 1/4 \text{ in. in 10 ft.} \]
\[ l = \text{Applications requiring close control of differential camber between adjacent members of the same design should be discussed in detail with the producer to determine applicable tolerances.} \]

### Slab Weight

Excess concrete material in the slab internal features is within tolerance as long as the measured weight of the individual slab does not exceed 110% of the nominal published unit weight used in the load capacity calculation.