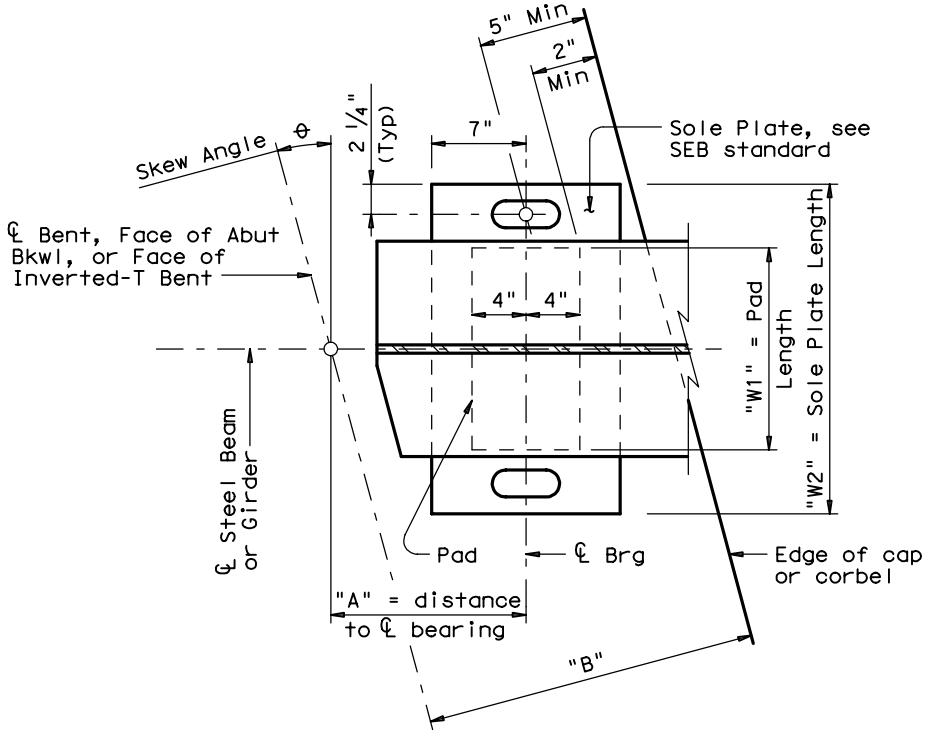

$$\text{"B"} = 2'' + \frac{\text{"W1"}}{2} \sin\theta + (\text{"A"} + 4'') \cos\theta \text{ , or}$$

$$\text{"B"} = 5'' + \left(\frac{\text{"W2"}}{2} - 2.25''\right) \sin\theta + \text{"A"} \cos\theta \text{, whichever is greater}$$

If Skew Angle = 0°, "B" = 6" + "A" as absolute minimum.

Example:
Determine minimum beam ledge width at Abutment.
Skew Angle = 45°
"A" = 2'-4" (28")
SE 5 Brg

$$\left.\begin{array}{l}\text{"W1"} = 23'' \\ \text{"W2"} = 33''\end{array}\right\} \text{from SEB standard}$$

$$\text{"B"} = 2'' + \frac{23''}{2} \sin 45° + (28'' + 4'') \cos 45° = 32.76''$$

$$\text{"B"} = 5'' + \left(\frac{33''}{2} - 2.25''\right) \sin 45° + 28'' \cos 45° = 34.88'', \text{ Use 35" minimum}$$

Fig. 6-17