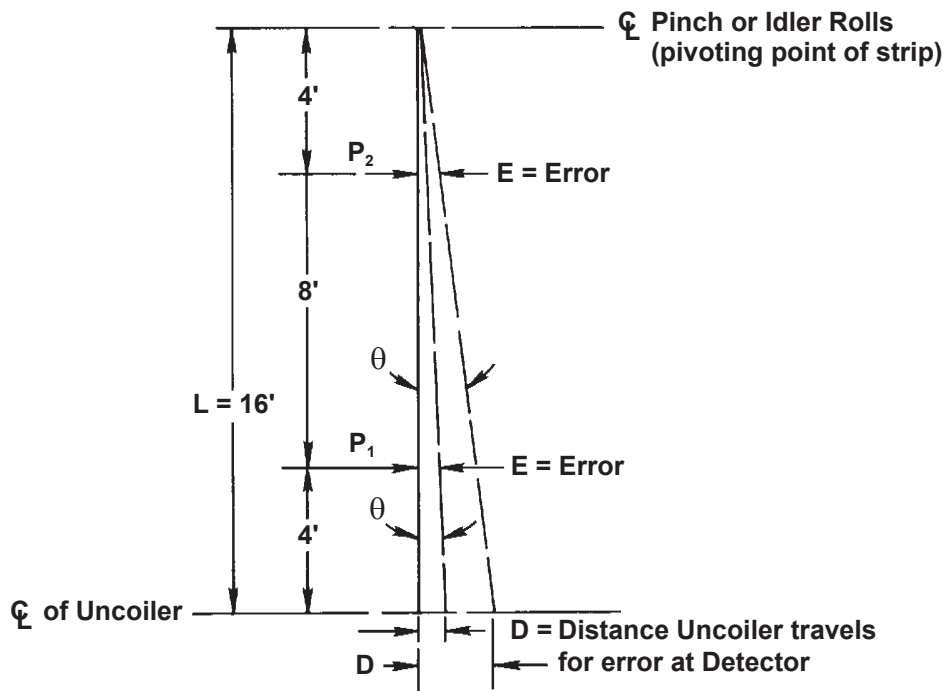




UNCOILER CORRECTION DIAGRAM



At position P₁: Assume error, E = 1", L = 12'
 θ = angle of error

$$\tan \theta = \frac{E}{L} = \frac{1''}{12' \times 12''/\text{ft.}} = 0.0069, \theta = 24'$$

Solving for D: $\tan \theta = \frac{E}{L}$ or also $\tan \theta = \frac{D}{L}$
 where L = 16'

$$\text{Then } D = \tan \theta \times L = 0.0069 \times 16' \times 12''/\text{ft.} = 1.3'' \text{ of uncoiler movement}$$

At position P₂: Again error, E = 1", L = 4'

$$\tan \theta = \frac{E}{L} = \frac{1''}{4' \times 12''/\text{ft.}} = 0.0208, \theta = 1^\circ 12'$$

Solving for D: $\tan \theta = \frac{D}{L}$ where L = 16'

$$\text{Then } D = \tan \theta \times L = 0.0208 \times 16' \times 12''/\text{ft.} = 3.99'' \text{ of uncoiler movement}$$