


1) Total Rise

$$\frac{\text{unit rise}}{\text{unit run}} = \frac{4}{12} \approx \frac{\text{total rise}}{\text{total run}}$$



$$\frac{\text{unit rise}}{\text{unit run}} = \frac{\text{total rise}}{\text{total run}}$$

37.25"

31.25

46.25

$$\frac{4}{12} = \frac{x}{25.25} \leftarrow \text{from first sheet}$$

$$12x = 4(25.25)$$

$$\frac{12x}{12} = \frac{101}{12}$$

TRise $x = 8.41''$

2) Total Rise =

$$\frac{4}{12} = \frac{x}{31.25}$$

$$12x = 4(31.25)$$

$$\frac{12x}{12} = \frac{125}{12}$$

$x = 10.42''$

3) $\frac{4}{12} = \frac{x}{37.25}$

$$12x = 4(37.25)$$

$$\frac{12x}{12} = \frac{149}{12}$$

$x = 12.42''$

4) $\frac{4}{12} = \frac{x}{46.25}$; $12x = 4(46.25)$

$$\frac{12x}{12} = \frac{185}{12}$$

\Rightarrow $x = 15.42''$