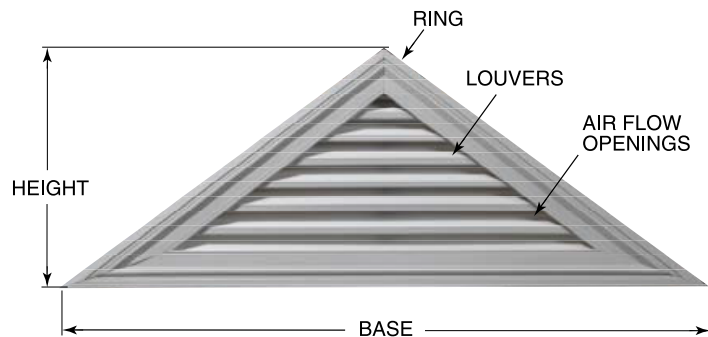
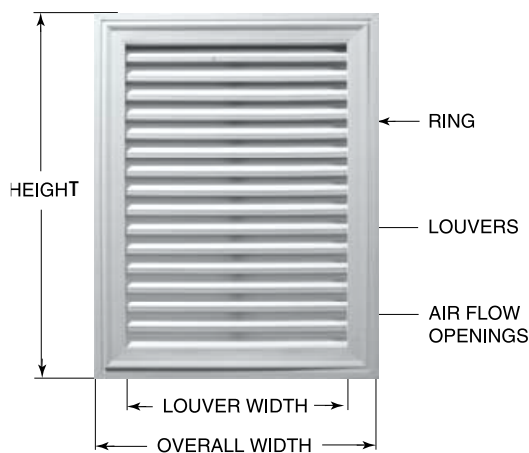


HOW TO FIGURE NET FREE AREA FOR RECTANGLE/SQUARE VENTS

$$\text{NFA} = (\text{Width} - 7.12) \times (.70) \times (\text{Louvers} - 1)$$

EXAMPLE: 34" (W) x 42" (H) Vent

34.00	Outside width
<u>-7.12</u>	<u>Ring & frame width</u>
26.88	Width of one louver (air flow opening)
26.88	
<u>x .70</u>	<u>Height of one air flow opening</u>
18.82	Area of one air flow opening (in sq. in.)
16	Number of louvers
<u>-1</u>	<u>Uppermost louver does not provide air flow</u>
15	
18.82	Area of one air flow opening (in sq. in.)
<u>x 15</u>	<u>Number of air flow openings</u>
282.30	Net free area (in sq. in.)



All dimensions are from outside of ring to outside of ring