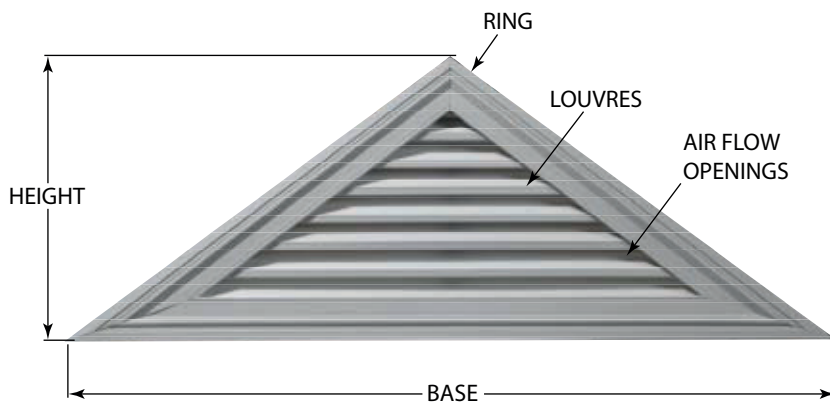
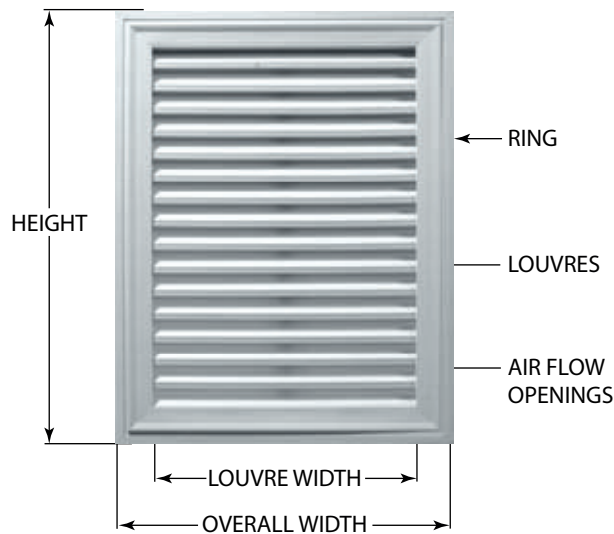


### How to Figure Net Free Area for Rectangle/Square Vents

**NFA = (Width – 180.85mm) x (17.78mm) x (Louvres – 1)**

EXAMPLE: 863.60mm (W) x 1066.80mm (H) Vent

863.60	Outside width
<u>-180.85</u>	Ring & frame width
682.75	Width of one louvre (air flow opening)
682.75	Height of one air flow opening
<u>x 17.78</u>	Area of one air flow opening (in sq. mm)
12139.30	
16	Number of louvres
<u>-1</u>	Uppermost louvre does not provide air flow
15	
12139.30	Area of one air flow opening (in sq. mm)
<u>x 15</u>	Number of air flow openings
182089.50	Net free area (in sq. mm) (0.18m <sup>2</sup> )



All dimensions are from outside of ring to outside of ring