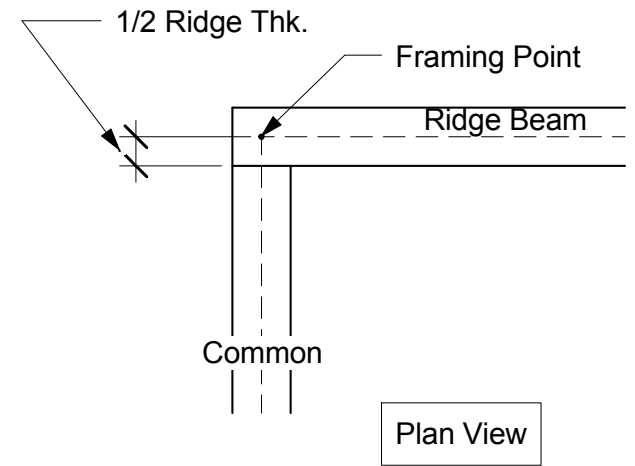
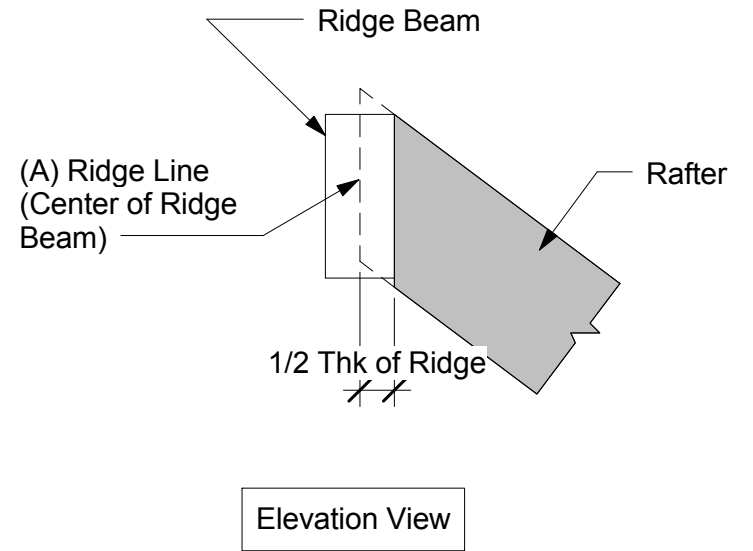
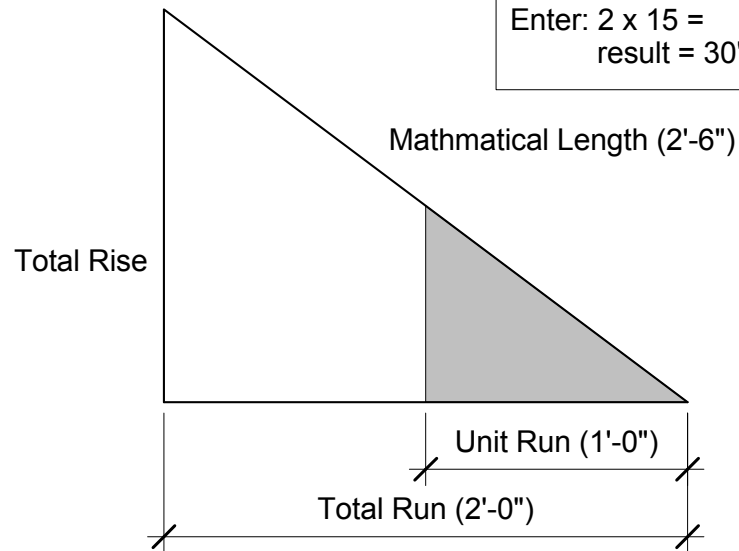


**UNIT LENGTH (Common Rafter)**  
 $Unit\ Run^2 + Unit\ Rise^2 = Unit\ Length^2$   
 Enter:  $12\sqrt{x^2} + 9\sqrt{x^2} = \sqrt{\quad}$   
 result = 15

**MATHMATICAL LENGTH**  
 Total Run x Unit Length  
 Enter:  $2 \times 15 =$   
 result = 30" (2'-6")



① Unit/Mathematical Lengths  
 $3/4" = 1'-0"$

② Ridge Setback for Common Rafter  
 $1" = 1'-0"$