



**UNIT RISE**  
 $Rise/Run = 9/12 = .75$

**TOTAL RISE** = Total Run x Unit Rise  
 $= 12' \times .75$   
 $= 9'$

**LOSS AT TOP** = Rise x (1/2 Ridge thk) ÷ Run  
 $= 9 \times .75'' \div 12$   
 $= .56 (1/2'')$

**HEIGHT OF BEAM** = (Total Rise + HAP) - Loss at Top  
 $= 9'-7'' - 1/2''$   
 $= 9'-6 1/2''$

① Ridge Beam Height Above Plateline  
 1" = 1'-0"