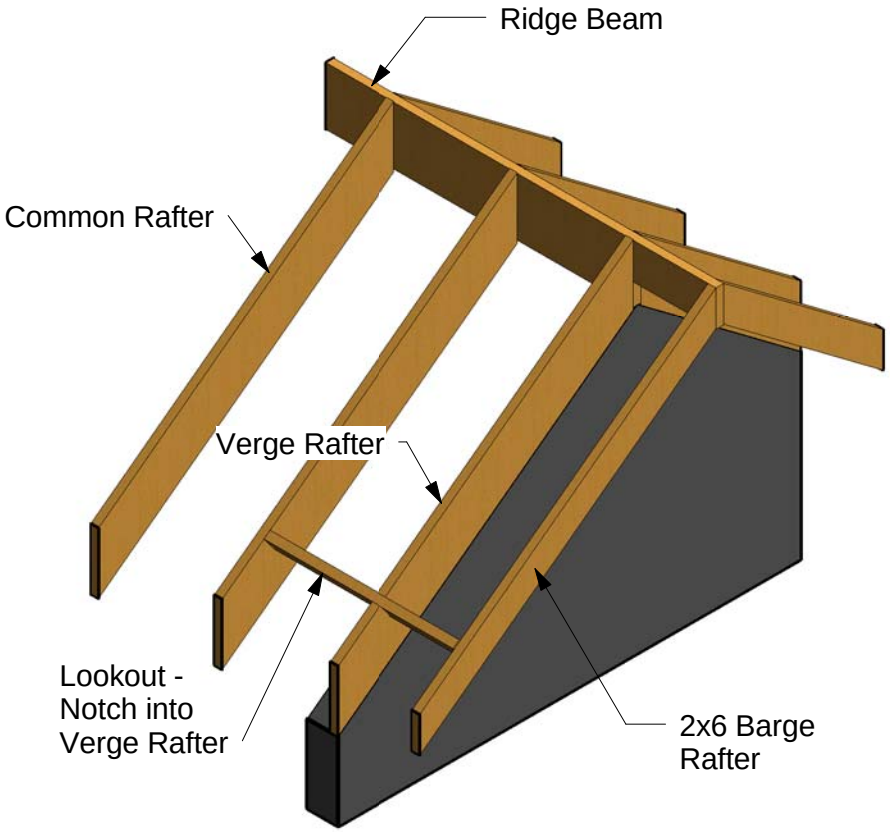
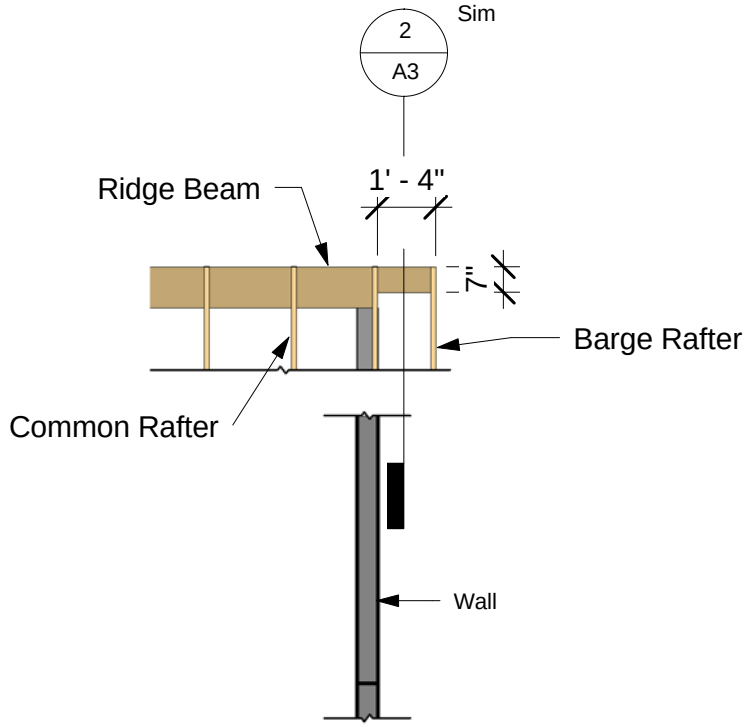


1 Barge Rafter - 3d

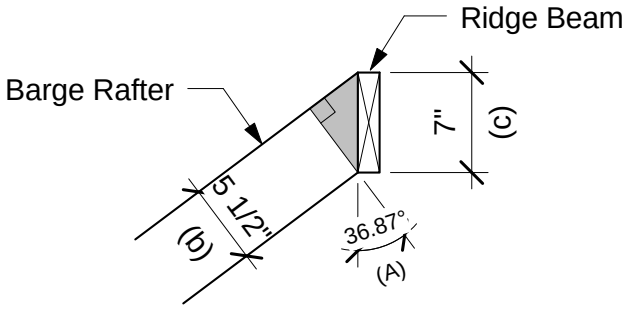
c = b ÷ cos A
Enter: Rafter width ÷ 36.87 cos =
result: 6.875 (6 7/8") round off to 7"

Note: I suggest cutting 1/2" (see loss at top calc) off
the bottom of the barge ridge if you want the soffits
to meet without the bottom of the ridge getting in the way.

To find angle (A):
Enter: Rise ÷ 12 INV tan



B Section B
1/4" = 1'-0"



2 Ridge Beam Depth @ Barge Rafter
1" = 1'-0"