
rafter point layout rafter layout

Posted by dave12345 - 2008/06/26 01:45

Can someone tell me if this is a feasible way to layout commons. lets say its a 10/12 with a 20' span. i look on my framing square, and it says COMMON RAFTER LENGTH PER FOOT RUN for a 10/12 it says 15.62. so i multiply 15.62 by half my span which is 10. gives me 156.2 which is about 156 1/4 i subtract 3/4 for my ridges, gives me 155 1/2 now is this 155 1/2 the measurement from my birdsmouth to the top of my rafter? also how do i determine the depth of my birdsmouth and do i need to factor this into my math somewhere? if anyone can understand what i just wrote, i appreciate your help...

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Posted by Robert Allison - 2008/06/26 01:45

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Posted by DanG - 2008/06/26 01:45

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Posted by Leif Thorvaldson - 2008/06/26 01:45

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Posted by marson - 2008/06/26 01:45

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Leif Everyone has given excellent responses so far. I figure the rafter length with a scientific calculator and trig. 10/12 inverse tangent gives you the angle (make sure it's in degrees and not radians. the span multiplied by the cosine of that angle gives you the length. I work from plumb cut to plumb mark at the outside of the wall plate. I make my birds mouth as wide as the wall plate if possible, but no deeper than 1/3 of the rafter depth.

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