

Hot4CAD Rafter Tables

Slope	Angle Value		Length per Foot Run		Backing Angle
	Common	Hip/Valley	Common	Hip/Valley	Hip/Valley
1 :12	4.8	3.4	12.04"	17.00"	3.4
2 :12	9.5	6.7	12.16"	17.09"	6.7
3 :12	14.0	10.0	12.37"	17.23"	9.9
4 :12	18.4	13.3	12.65"	17.44"	12.9
5 :12	22.6	16.4	13.00"	17.69"	15.8
6 :12	26.6	19.5	13.42"	18.00"	18.4
7 :12	30.3	22.4	13.89"	18.36"	20.9
8 :12	33.7	25.2	14.42"	18.76"	23.1
9 :12	36.9	27.9	15.00"	19.21"	25.1
10 :12	39.8	30.5	15.62"	19.70"	26.9
11 :12	42.5	33.0	16.28"	20.22"	28.5
12 :12	45.0	35.3	16.97"	20.22"	30.0
13 :12	47.3	37.5	17.69"	21.38"	31.3
14 :12	49.4	39.5	18.44"	22.00"	32.5
15 :12	51.3	41.5	19.21"	22.65"	33.5
16 :12	53.1	43.3	20.00"	23.32"	34.4
17 :12	54.8	45.0	20.81"	24.02"	35.3
18 :12	56.3	46.7	21.63"	24.74"	36.0
19 :12	57.7	48.2	22.47"	25.47"	36.7
20 :12	59.0	49.7	23.32"	26.23"	37.3
21 :12	60.3	51.1	24.19"	27.00"	37.9
22 :12	61.4	52.4	25.06"	27.78"	38.4
23 :12	62.4	53.6	25.94"	28.58"	38.8
24 :12	63.4	54.7	26.83"	29.39"	39.2
25 :12	64.4	55.8	27.73"	30.22"	39.6
26 :12	65.2	56.9	28.64"	31.05"	39.9
27 :12	66.0	57.8	29.55"	31.98"	40.3
28 :12	66.8	58.8	30.46"	32.74"	40.5
29 :12	67.5	59.7	31.38"	33.60"	40.8
30 :12	68.2	60.5	32.31"	34.47"	41.0

Note: For use with simple roofs. Adjacent pitches are the same and the wall plan angle is 90 degrees.