

5 INCH RISE 5-12 PITCH 22½ DEGREES

Run Ft.	Common Rafter Length	Hip or Val. Rafter Length
1	1' 1"	1' 5¼"
2	2' 2"	2' 11¾"
3	3' 3"	4' 5½"
4	4' 4"	5' 10¾"
5	5' 5"	7' 4½"
6	6' 6"	8' 10½"
7	7' 7"	10' 3¾"
8	8' 8"	11' 9½"
9	9' 9"	13' 3¼"
10	10' 10"	14' 8½"
11	11' 11"	16' 2½"
12	13' 0"	17' 8¼"
13	14' 1"	19' 2"
14	15' 2"	20' 7½"
15	16' 3"	22' 1¾"
16	17' 4"	23' 7½"
17	18' 5"	25' 0¾"
18	19' 6"	26' 6½"
19	20' 7"	28' 0½"
20	21' 8"	29' 5½"
21	22' 9"	30' 11½"
22	23' 10"	32' 5¼"
23	24' 11"	33' 10⅝"
24	26' 0"	35' 4⅝"
25	27' 1"	36' 10¼"

Run In.	Common Rafter Length	Hip or Val. Rafter Length
½	½"	¾"
1	1½"	1½"
1½	1⅝"	2¼"
2	2½"	3"
2½	2¾"	3⅝"
3	3¼"	4¾"
3½	3¾"	5½"
4	4¾"	5½"
4½	4⅞"	6⅝"
5	5¾"	7¾"
5½	6"	8½"
6	6½"	8¾"
6½	7"	9⅝"
7	7¾"	10⅝"
7½	8½"	11⅝"
8	8¾"	11⅝"
8½	9¼"	12½"
9	9¾"	13¼"
9½	10¼"	14"
10	10⅝"	14¾"
10½	11⅝"	15½"
11	11⅝"	16¼"
11½	12½"	17"

Spacing In.	Jack Rafter Length
1	1⅝"
2	2⅝"
3	3¼"
4	4¾"
5	5¾"
6	6½"
7	7¾"
8	8⅝"
9	9¾"
10	10⅝"
11	11⅝"
12	1' 1"
13	1' 2⅝"
14	1' 3½"
15	1' 4¼"
16	1' 5¾"
17	1' 6¾"
18	1' 7½"
19	1' 8⅝"
20	1' 9⅝"
21	1' 10¾"
22	1' 11⅝"
23	2' 0⅝"
24	2' 2"

Rafter Thickness	Miter Allowance for Hip and Valley Rafters	Rafter Depth	Bottom Allowance
1½"	1⅜"	3½"	1⅜"
1⅝"	⅞"	5½"	2⅝"
1¾"	1⅝"	7¼"	3"
1⅞"	1"	9¼"	3⅝"