Board Footage Factors

1x2	.1667		3x10	2.5		
1x3	.25		3x11	2.75		
1x4	.3333		3x12	3.0	10x10	8.333
1x5	.4167		3x13	3.25	10x12	10.0
1x6	.5		3x14	3.5	10x14	11.667
1x8	.6667		3x16	4.0	10x16	13.333
1x10	.8333				10x18	15.0
1x12	1.0		4x4	1.333		
1x14	1.1667		4x5	1.666	12x12	12.0
1x16	1.333		4x6	2.0	12x14	14.0
1x24	2.0		4x7	2.333	12x16	16.0
			4x8	2.667	12x18	18.0
5/4x2	.2083		4x9	3.0	12x20	20.0
5/4x3	.3125		4x10	3.333		
5/4x4	.4167		4x11	3.667		
5/4x5	.5209		4x12	4.0		
5/4x6	.625		4x14	4.667		
5/4x8	.833		4x16	5.333		
5/4x10	1.042		4x18	6.0		
5/4x12	1.25		4x20	6.666		
			4x22	7.333		
6/4x4	.5		4x24	8.0		
6/4x5	.625					
6/4x6	.75		5x5	2.0833		
6/4x8	1.0		5x6	2.5		
6/4x10	1.25		5x7	2.916		
6/4x12	1.5		5x8	3.333		
			5x10	4.166		
2x2	.3333		5x12	5.0		
2x3	.5		5x14	5.833		
2x4	.6667		5x16	6.666		
2x5	.8333					
2x6	1.0		6x6	3.0		
2x8	1.333		6x8	4.0		
2x9	1.5		6x10	5.0		
2x10	1.667		6x12	6.0		
2x11	1.833		6x14	7.0		
2x12	2.0		6x16	8.0		
2x13	2.166		6x18	9.0		
2x14	2.333					
2x16	2.667		8x8	5.333		
2x20	3.333		8x10	6.667		
			8x12	8.0		
3x3	.75		8x14	9.333		
3x4	1.0		8x16	10.667		
3x5	1.25		8x18	12.0		
3x6	1.5		8x20	13.333		
3x7	1.75		8x22	14.667		
3x8	2.0		8x24	16.0		

To find board footage from linear footage, multiply the decimal factor times the linear footage.

To find linear footage from board footage, divide the board footage by the decimal factor
If you do not have a factor, multiply the size of the piece times the linear footage and divide by 12.

Example: You have 120 LF of 5x5 and you don't know the 5x5 factor.

$$\frac{5 \times 5 \times 120 LF}{12} = 250 \text{ Bd. Ft.}$$

Coverage Calculations

Siding and paneling are usually sold either by the lineal *(running)* foot or by the board foot.

To simplify cost and coverage estimations, select the appropriate factor from the table at right according to how the material is priced. The factors provided in the table can be used to calculate the amount of siding required either in lineal feet or in board feet.

In either case, the square footage of the area to be covered is calculated first, then multiplied by the appropriate factor.

Procedure:

A) Calculate the square footage in walls:
   length x width = sq. ft.

B) Calculate, and then subtract, the square footage of openings. Now add 10% for trim and waste.

C) Multiply the result by either the factor for lineal feet *or* the factor for board feet.

D) Multiply the total footage required by price.

Additional Information

Additional information and titles referenced in this publication are available for purchase from WWPA online at www.wwpa.org.

For a full description of technical publications available and a printable order form, go to the WWPA Internet site.

COVERAGE ESTIMATOR

| Pattern | Nominal Width | Width | | Factor for Lineal Feet[1] | Factor for Board Feet[2] |
		Dressed	Exposed Face		
Bevel & Bungalow	4	3½	2½	4.8	1.60
	6	5½	4½	2.67	1.33
	8	7¼	6¼	1.92	1.28
	10	9¼	8¼	1.45	1.21
Dolly Varden	4	3½	3	4.0	1.33
	6	5½	5	2.4	1.2
	8	7¼	6¾	1.78	1.19
	10;	9¼	8¾	1.37	1.14
	12	11¼	10¾	1.12	1.12
Drop, T&G and Channel Rustic	4	3⅜	3⅛	3.84	1.28
	6	5⅜	5⅛	2.34	1.17
	8	7⅛	6⅞	1.75	1.16
	10	9⅛	8⅞	1.35	1.13
Log Cabin	6	5⁷⁄₁₆	4¹⁵⁄₁₆	2.43	2.43
	8	7⅛	6⅝	1.81	2.42
	10	9⅛	8⅝	1.39	2.32
Boards	2	1½			
	4	3½			
	6	5½			
	8	7¼			
	10	9¼			

The exposed face width will vary depending on size selected and on how the boards-and-battens or boards-on-boards are applied. Minimum overlap is ½". Determine the exposed face, then refer to footnotes to calculate factor. (applies to Boards rows)

[1] Lineal Foot Factor is derived by dividing 12" by the exposed face width.

[2] Board Foot Factor is derived by dividing the nominal width by the exposed face width and is based on nominal 1" stock, except log cabin. Log cabin is based on 2" thickness. For nominal 1½" log cabin, multiply by .75.

Note: Factors do not include any allowance for trim or waste and do not apply to diagonal installations. A 10% allowance (for trim and waste) should be added to the square footage required before the factors are used. Refer to *Procedure* at left.

Checklist for a Siding Material Specification

☐ Select species suited to the project.

☐ List grade names, paragraph numbers and rules-writing agency. (Refer to Grade Selector chart on back cover).

☐ Specify surface texture for exposed face.

☐ Specify moisture content suited to the project.

☐ If gradestamped, specify lumber to be stamped on back or ends. (WWPA's *Specifying Lumber* [A-2] offers additional information.)

☐ Specify VG (vertical grain) if appropriate and available.

☐ Specify pattern and size (WWPA's *Natural Wood Siding* [TG-8] and *Paneling Basics* [A-3] offer additional information.)