2008 EDITION



Premium Exterior Packages

2066 West 2200 South West Valley City, Utah 84119

(801) 973-4466

Fax: (801) 972-5956

www.bringard.biz

Welcome to Bringard Mill & Molding Premium Exterior Package Catalog



Bringard Mill & Molding has taken yet another step in satisfying your complete custom home needs. Providing you with siding, timbers, soffit, facia, all exterior trim, and now Bark House Shingles.

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TONGUE AND GROOVE



T&G 11 9/16"x 3 1/8" Face CMG Hemlock Combination Ceiling (Also Available In Douglas Fir)



T&G 13 9/16"x 3 1/8" Face CVG Hemlock E&CB1S/VJ1S (Also Available In Douglas Fir)



T&G 14 5/8"x 5 1/8" Face CMG Hemlock T & G, WP4 Face, WP18 Back



T&G 15 5/8"x 5 1/8" Face CVG Hemlock T & G, #708 Face, Edge & Center Bead Back

TONGUE AND GROOVE



T&G 16 3/4" x 3 1/4" Face Western Red Cedar MG Or VG, A&Btr, VJ1S Flush Resawn Back

T&G 17 3/4" x 5 1/4" Face Western Red Cedar MG Or VG, A&Btr, VJ1S Flush Resawn Back

> T&G 18 7/16" x 3 1/4" Face Western Red Cedar MG Or VG, A&Btr, VJ1S Flush Resawn Back

T&G 19 7/16" x 5 1/4" Face Western Red Cedar VG, A&Btr, VJ1S Flush Resawn Back



TONGUE AND GROOVE

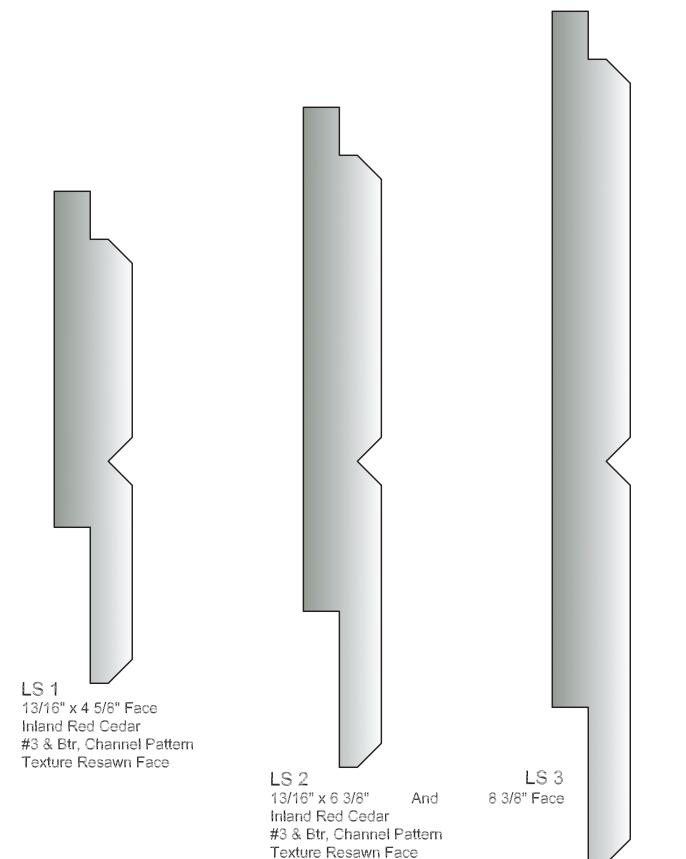
T&G 20 11/16" x 3 1/16" Face Inland Red Cedar #3 & Btr, VJ1S Flush Resawn Back

T&G 21 11/16" x 5" Face Inland Red Cedar #3 & Btr, VJ1S Flush Resawn Back T&G 22 11/16" x 5" Face Clear Cedar Fingerjoint, WC134

T&G 23 11/16" x 6 3/4" Face Inland Red Cedar #3 & Btr, VJ1S Flush Resawn Back

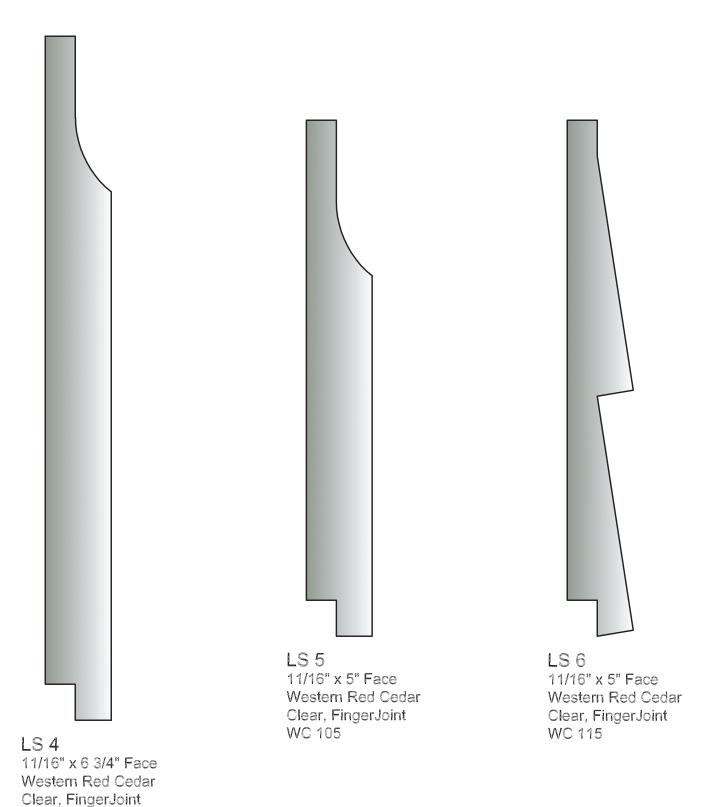
> T&G 24 11/16" x 3" Face Inland Red Cedar D & Btr, VJ1S Flush Resawn Face



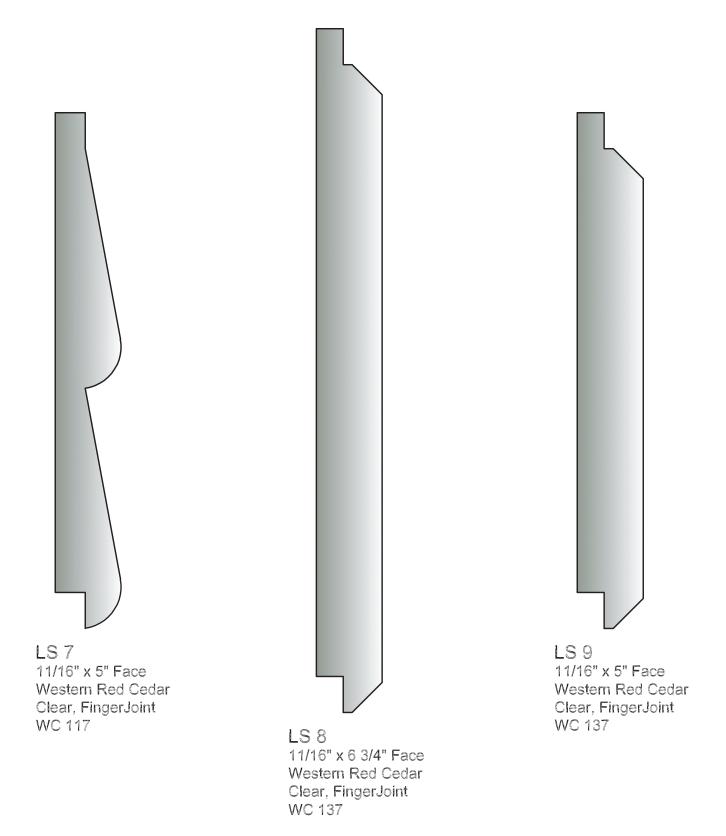




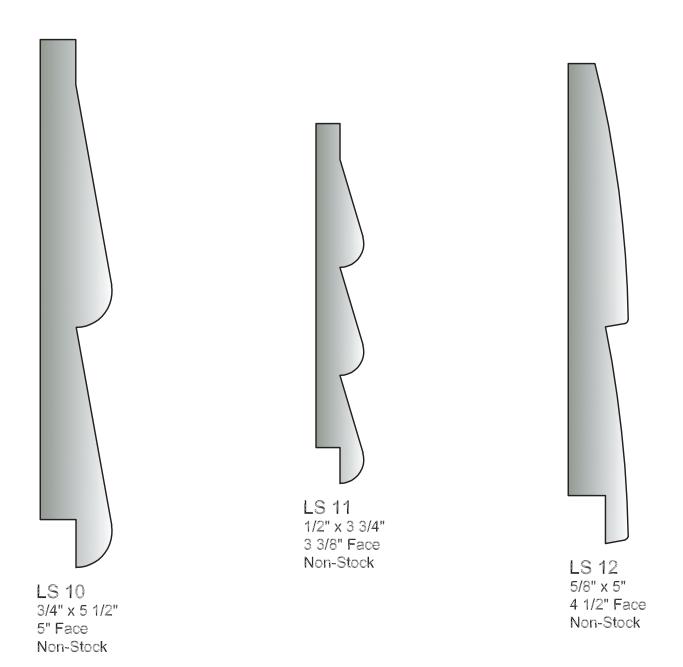
WC 105



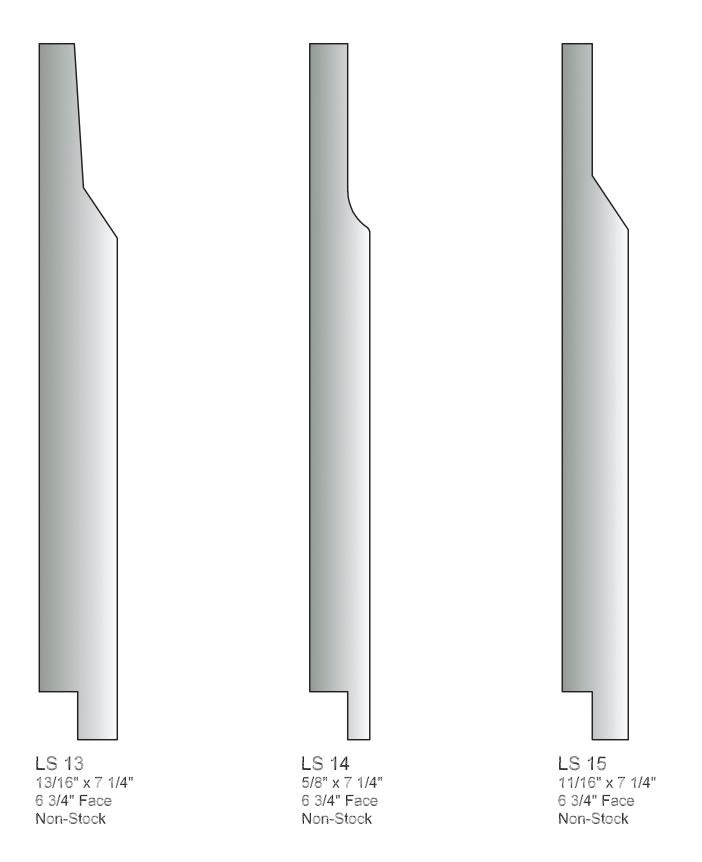




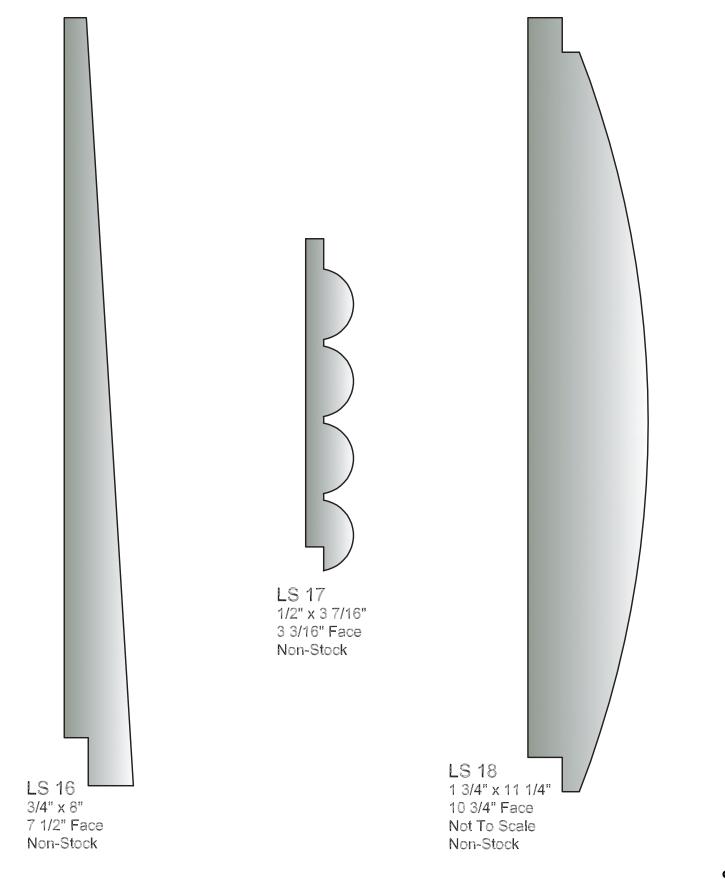












KILN DRIED DOUGLAS FIR TIMBERS

Kiln Dried Timbers 100% Douglas Fir

Disdero's #1 & Btr Timbers are FOHC, selected for appearance, and kiln dried to 19% or less 1" from all surfaces.

Rough green timbers go into the dry kilns full sawn. There will be some shrinkage during the process, usually 1/16" - 1/8" in thickness and 1/8" - 1/4" in width (this may vary slightly). Timbers will come out with a suntan appearance and can have a faded mark where kiln sticks were placed. There may be checking to some pieces. Our timbers are dried with state of the art conventional kilns utilizing a computer controlled low pressure steam system or microwave - Radio Frequency Vacuum (RFV).

Green vs. Kiln Dried Timbers - We feel there is no comparison. Not only is a green timber much heavier than a KD Timber, it will check far more severely after installation. It may develop mold problems, warp or twist. There are also problems with stains and other finishes applied to green timbers.

#1 & Btr Douglas Fir, Kiln Dried, FOHC

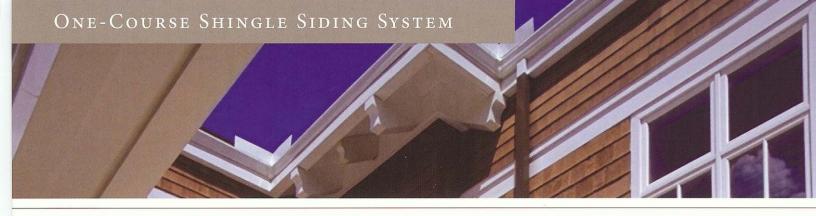
S4S	Lengths	Resawn 4	sides
		2x4	12', 16', 20'
		2x6	12', 16', 20'
		2x8	12', 16', 20'
		2x10	12', 16', 20'
		2x12	12', 16', 20'
3x6	16', 20'	3x6	16', 20'
3x8	16', 20'	3x8	16', 20'
3x10	16', 20'	3x10	8', 10', 12', 16', 20'
3x12	16', 20'	3x12	12', 16', 20'
4x4	8', 10', 12', 16', 20', 22'	4x4	16', 20'
4x6	12', 16', 20'	4x6	12', 16', 20'
4x8	12', 16', 20'	4x8	12', 16', 20'
4x10	12', 16', 20'	4x10	8', 10', 12', 16', 20'
4x12	10', 12', 16', 20', 26'	4x12	12', 16', 20'
6x6	8', 10', 12', 16', 20', 24'	6x6	8', 10', 12', 16', 20'
6x8	12', 16', 20', 24'	6x8	8', 12', 16', 20'
6x10	12', 16', 20'	6x10	12', 16', 20'
6x12	12', 16', 20'	6x12	12', 16', 20'
6x14	16', 20'	6x14	16', 20'
8x8	8', 10', 12', 16', 20'	8x8	10', 12', 16', 20', 24'
8x10	12', 16', 20'	8x10	12', 16', 20'
8x12	12', 16', 20'	8x12	12', 16', 20'
8x14	16', 20'	8x14	16', 20'
10x10	16', 20'	10x10	12', 16', 20'
10x12	12', 16', 20'	10x12	16', 20'
12x12	12', 16', 20'	12x12	12', 16', 20', 24'

(Other sizes available in 1 to 2 weeks - please call)

Exposed beams for appearance KD - Disdero warrants that the product is wane free, clean, on grade and packaged to stay clean until installation. We always strive to ship a quality product.

Finished textures available - We offer three different textures or surfaces on our products; the first is mill run rough. The second is band resawn after drying and is accurate to any size specified, very smooth, even and bright band sawn texture. Resawn timbers are sized to fit standard hardware, which eliminates costly special size hangers or on-the-job fitting problems. We can resaw up to 24" square. Third is conventional planer surfacing. We can S4S up to 16 x 18. Our sawmill uses only band saws in the manufacturing process so the texture is fairly uniform even on the Mill Run Rough.

Disdero inventories a complete line of S4S and Resawn timbers from 3x6 to 12x12 up to 24' in length. Call your Disdero Sales Representative for availability of your specified tallies.







For 25 years, Cedar Valley has built an impeccable reputation among architects, builders, and designers for unparalleled shingle siding systems. With equal parts craftsmanship and engineering, the Cedar Valley One-Course Shingle Siding System is a classic, handcrafted way to add both value and curb appeal to any home.

AN ELEGANT AESTHETIC

With no exposed fasteners and a blind nail application, Western Red Cedar Shingles create a natural appearance that is both timeless and tasteful. The striking facade of Nature's Finest Siding lends an inviting, yet breathtaking, beauty.



RELENTLESS DURABILITY

The Cedar Valley name has become synonymous with nature's best. Combining natures beauty with exceptional stability, our panels offer a natural resistance to moisture,



decay, and insect damage. Additionally, these 100% kiln-dried Western Red Cedar panels have been engineered to withstand hurricane winds exceeding 200 miles per hour, offering the best available wind uplift resistance. Cedar Valley panels can also be treated with FTX Fire Retardant for permanent fire protection and a Class "A" fire rating.

SIMPLICITY AND EASE

A dramatic exterior presentation has never been simpler. Requiring only standard tools to install, the Cedar Valley system provides quality, handcrafted results with no need for specialized labor. The prefabricated system can be installed up to four times faster than individual shingles. The smooth back surface allows for easy marking and sawing, and the overlapping end joints require no caulking. The blind nail application leaves no exposed fasteners, only a flawless appearance.

One-Course Panels - Our standard panels are eight feet long with exposures of 7 1/8", 5 1/3", and 4 1/4". Choose from even butt, staggered butt, and open keyway styles.



Warranty Protection

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With warranties up to 50 years, Cedar Valley's Shingle Panel Systems offer the peace of mind that comes with unsurpassed quality and craftsmanship.

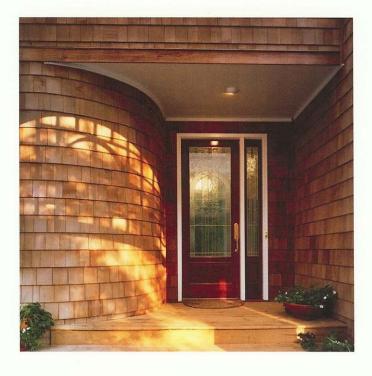
CONSTRUCTION BEYOND COMPARE

Each shingle is mounted over a fiberglass moisture barrier onto a strong plywood backing. Overlapping end joints add further resistance to wind and moisture while eliminating seams. Our standard panels are eight feet in length and are available in three exposures and three styles – all designed to last for generations.

A GREENER CONSCIOUSNESS

Promoting a culture of sustainability and responsibility is of utmost importance. Using half the cedar of traditional hand-applied shingles, our one-course system allows more accurate purchasing for the customer, eliminating excessive costs and reducing waste. Additionally, the Cedar Valley system provides a superior building envelope and increased energy efficiency.





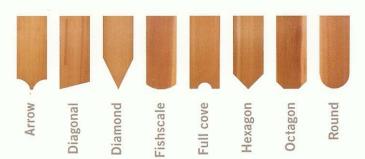
MYRIAD POSSIBILITIES

The Cedar Valley Shingle Siding System is fully integrated and complete with panels, corners, column wraps, and specialty products, providing superior design flexibility for any custom project. Cedar Valley products are available in a wide array of factory finishes and colors to suit the natural surroundings.

YOUR NEXT PROJECT

For more information on Nature's Finest Siding, visit us at www.cedar-valley.com or call 800-521-9523.

Decorator Panels - One-Course Decorator Panels are available in eight styles and a wide array of colors. Custom Decorator Panels are also available.



Dream Team Customer Service

Our team of experts has
been featured in homebuilding shows,
do-it-yourself shows, and trade magazines
across the US and Canada for years.
They pioneered the concept of Value
Engineering and provide instant technical
assistance from initial design planning
through installation.

The Cedar Valley One-Course Shingle Siding System boasts the ability to enhance any architectural style. Four panel types, three different exposures and textures, and two different shingle thicknesses can be combined in any order, creating a range of options for the perfect panel design.

A COMPLETE LINE OF ACCESSORIES

Leave no detail uncovered with a complete line of standard accessories to complete most shingle style designs. Flush mounted corners in 90 and 135 degrees, decorator accents, and radius wall panels handle most siding needs.

All accessories are handcrafted with the same attention to detail and will perfectly match the panel in style, exposure, thickness, and texture.

SPECIALTY ITEMS FOR UNIQUE DESIGNS

When a project requires a custom design, Cedar Valley has the expertise to create it. Whether column wraps, post wraps, radius flare-outs, or extended return corners, Cedar Valley brings designs to life.

A WIDE ARRAY OF FINISHES

Cedar Valley shingles are available in a range of finishes including regular or combed-textured surfaces, as well as a rainbow of colors to suit your specific taste.

Standard Corners:







Flush 90° Corner

Flush 135° Corner

Radius Panel

Custom Corners, Column Wraps, and Flares:







3-Piece Radius Flare Corner Set



Extended Return

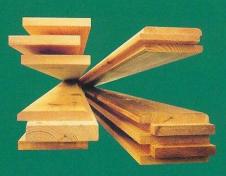
Ratings and Approvals - Cedar Valley panels meet the highest quality standards and all requirements of the International Code Council, as well as the Florida Building Code, and the Texas Department of Insurance. With extended warranties of up to 50 years, the beauty of these shingles is matched only by the durability and quality they provide.



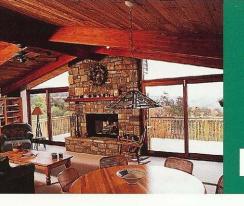
2066 West 2200 South West Valley City, UT 84119 Phone: (801) 973-4466 Fax: (801) 972-5956 www.bringard.biz



Lock-Deck® Laminated Decking







Lock-Deck Laminated Decking

Lock-Deck is a structurally engineered product of two to five kiln-dried lumber laminations bonded together with an exterior waterproof adhesive to form glue-laminated decking.

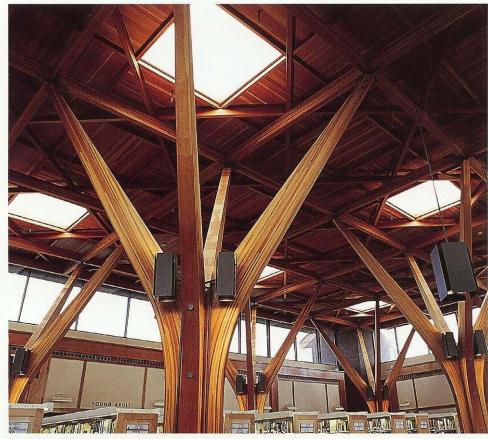
The decking is used for ceilings and roofs, as well as for balconies, mezzanines and floors. With Lock-Deck, extraordinary designs can be created for homes, churches, offices and other structures.

Lock-Deck is commonly used in Heavy Timber construction as well as wood frame and hybrid systems.

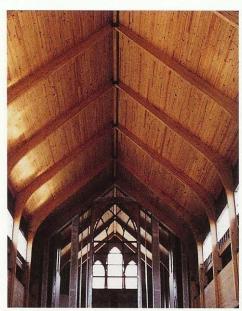
Random length and long length (fingerjointed) decking, plus a variety of face patterns, textures and finishes broaden design possibilities.

Lock-Deck laminated decking provides a strong, dimensionally stable decking with all the beauty and warmth of natural wood.

Cover photography courtesy of Deck Home, Inc., Acton, Mass., 800-727-3325.



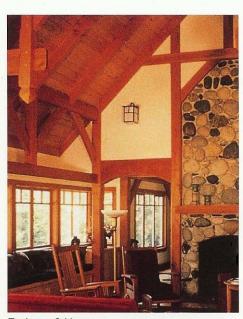
Beaverton, Ore., Public Library



Church, Palm Beach Gardens, Fla., Unit Structures



Indoor Swimming Pool



Timbercraft Homes



Product Description

Species. Lock-Deck laminated decking is available in Douglas Fir/Larch, Ponderosa Pine, Western Red Cedar, and Southern Pine. Available on inquiry--Alaska Yellow Cedar, Redwood, White Fir, Idaho White Pine, SPF.

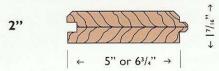
Grades

Supreme—Available in most species, this grade is manufactured with a "clear" face. This grade may contain occasional small knots or minor characteristics that do not detract from the overall appearance. The grade is the finest in quality and the ultimate in appearance. Supreme is for use where appearance is more important than budget.

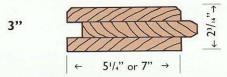
Decorative--Available in all species, this grade contains sound knots and natural wood characteristics. Occasional pieces may contain chipped edge knots, short end splits or seasoning checks, and pin holes. The most widely used grade, it is well suited to most applications.

Service--Available on inquiry, this rustic grade is recommended for industrial applications where strength is more important than appearance. This grade allows face knotholes, stain, end splits, skip, roller split, planer burn and other non-strength reducing characteristics.

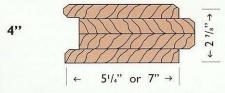
Nominal Sizes. 2x6, 2x8, 3x6, 3x8, 4x6, 4x8, 5x6 and 5x8. Following is the typical length assortment for 2", 3", 4" and 5" thicknesses.



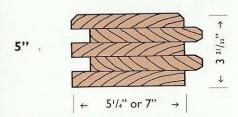
Minimum 15% combined 14' and/or 16', minimum 5% 16', maximum 85% 6' to 12', maximum 15% 6' to 9'.



Minimum 20% combined 14' and/or 16', minimum 10% 16', maximum 80% 6' to 12', maximum 10% 6' to 9'.



Minimum 35% combined 14' and/or 16', minimum 20% 16', maximum 65% 6' to 12', maximum 10% 6' to 9'.



Minimum 45% combined 14' and/or 16', minimum 30% 16', maximum 55% 6' to 12', maximum 7% 6' to 9'.

Patterns. Standard Vee, Square Edge, Channel, Bull Nose. Center laminations are offset and machined to form a tongue and groove on both the edges (center match) and the ends (end match).

Lengths. Random 6' to 16', shipped in multiples of 1' and 1" short of nominal. Specified lengths and lengths 18' to 24' or longer are available on inquiry.

Surface Textures. Five textures are offered, with samples available on request.

Smooth Surfaced
Smooth Sanded
Coarse Sanded (16 grit)
Resawn (crossband saw texture)
Wire Brushed

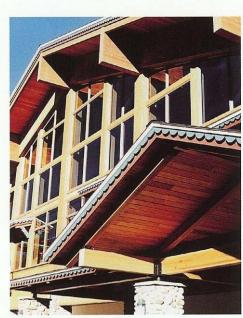
Moisture Content. 10% to 12% average, maximum 15%.

Adhesive. 100% exterior waterproof type, meeting ASTM D2559. Laminated decking is cured under pressure using high frequency electronics in a radio frequency (RF) press.

Quality Control. Manufactured in accordance with ANSI/AITC 190.1 and certified by an independent inspection agency.

Factory Finishing. Available in factory applied, oven dried, acrylic semi-transparent colors. See page 8.

Manufacturing Plants. Lock-Deck is manufactured in Chehalis, Washington and Warren, Arkansas.



Pennsylvania Ski Lodge, Seech Industries



Lock-Deck Design

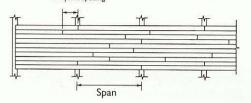
Allowable Uniform Loads

The table on page 5 provides allowable loads for random length continuous applications and simple spans.

Random Length Continuous--A random length continuous configuration is applied over three or more spans. It is the most common method of applying Lock-Deck decking and the most economical. This configuration allows the use of mixed lengths of material on a variety of span conditions, providing high structural efficiency as well as attractive appearance.

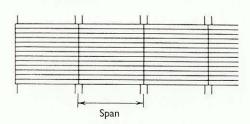
$$\blacktriangle = \frac{wL^4}{130EI} \qquad \qquad F_b = \frac{wL^2}{6.67S}$$

2 ft. minimum end joint spacing



Simple Spans--This configuration requires specified length decking and provides shorter spans for the same thickness decking than the random length layout.

$$\blacktriangle = \frac{5}{384} \frac{wL^4}{EI} \qquad \qquad F_b = \frac{wL^2}{8S}$$



▲ = Deflection, inches²

E = Modulus of elasticity of the decking, lbs. per inches²

I = Moment of inertia for a I-foot wide strip, inches⁴
S = Section modulus for a I-foot wide strip, inches³

F_b = Allowable unit stress for extreme fiber bending, lbs. per inch²

L = Span, inches

W = Unit load along a 1-foot wide strip, lbs. per inch

Estimating Factors and Footage Conversion

Nominal Size	Actual Sizes	Bd. Ft./	Bd. Ft./
(Inches)	(Inches)	Sq. Ft.	Lineal Ft.
2 x 6	I 7/16 x 5	2.40	1.000
2 × 8	$1^{7}/16 \times 6^{3}/4$	2.37	1.334
3 × 6	$2^{3/16} \times 5^{1/4}$	3.43	1.500
3 x 8	$2^{3}/16 \times 7$	3.43	2.000
4 x 6	$2^{7/8} \times 5^{1/4}$	4.57	2.000
4 x 8	$2^{7}/8 \times 7$	4.57	2.667
5 × 6	$3^{21}/_{32} \times 5^{1}/_{4}$	5.71	2.500
5 x 8	$3^{21}/_{32} \times 7$	5.71	3.334

Factors are exact and do not include waste or trim loss.

Section Properties -- One Foot Section

Nominal Thickness Inches	Actual Thickness Inches	Area Sg. in.	Moment of Inertia in.4	Section Modulus in. ³
2"	1 7/16	17.26	2.97	4.14
3"	2 3/16	25.88	10.29	9.39
4"	2 7/8	33.95	23.44	16.30
5"	3 21/32	43.13	48.04	26.26

1. Cross sectional properties per running foot.

Design Weights (lbs/ft²)

Species	2" Nominal	3" Nominal	4" Nominal	5" Nominal	Shipping Weights
Western Red Cedar	3	4	6	7	1300
Cedar face with whitewood core	4	5	7	8	1450
White Fir, Ponderosa Pine	4	5	7	9	1550
Douglas Fir/Larch	4	6	8	Н	1750
Southern Pine	5	7	9	12	2000

Allowable Stresses

Species	Modulus of Elasticity (E)	Extreme Fib In Bending	Shear Parallel to the Grain		
	psi	Roof psi	Floor psi	(F _v) psi	
Western Red Cedar	1,200,000	1590	1380	150	
Ponderosa Pine	1,300,000	1590	1380	150	
Inland White Fir	1,500,000	1850	1610	130	
Idaho White Pine	1,500,000	1850	1610	150	
Douglas Fir/Larch	1,800,000	2640	2300	165	
Southern Pine	1,800,000	2640	2300	200	

Sloped Roof Deck -- Load Adjustment Factors¹

To calculate the allowable load for a sloped roof deck, apply the coefficient for the pitch to the load for a flat roof listed in the Allowable Load table below.

Pitch	Pitch
4:12 1.05	9:12 1.25
41/2:12 1.07	91/2:12 1.28
5:12 1.08	10:12 1.30
51/2:12 1.10	101/2:12 1.33
6:12 1.12	11:12 1.36
61/2:12 1.14	111/2:12 1.39
7:12 1.16	12:12 1.41
71/2:12 1.18	121/2:12 1.44
8:12 1.20	14:12 1.54
81/2:12 1.23	16:12 1.67





Deck House, Inc.

Allowable Total Uniform Roof Load

		Dou	ıglas F	ir, Larch	1 ⁴ ,	Idaho White Pine ⁵		Ponderosa Pine									
		Southern Pine				Whi	ite Fir		West	ern Re	d Cedar	Face	e Western Red Cedar				
			EI.8 F	=2640 ²			E1.5	F _b =1850 ²				= 1590 ²				F _b =1590 ²	
Lock-	L.	0.0000000000000000000000000000000000000	mple	Contin		Sim	ple	Contin			nple	Continu	ous ³	Sin	nple	Contin	
Deck	Span	1/180	1/240	1/180	1/240	1/180	1/240	1/180	1/240	1/180	1/240	1/180	/240	1/180	1/240	1/180	1/240
	4'	245	183	368(f)	309(f)	206	155	247(f)	247(f	176	132	252(f)	223	162	122	274(f)	206
	5'	125	93	212	158	106	79	158	134	90	68	152	114	83	63	180	105
2"	6'	72	54	123	92	61	46	103	78	52	39	88	66	48	36	81	61
	7'	46	34	77	58	38	29	65	49	33	25	56	42	30	23	52	39
	8'	31	23	52	39	26	19	44	33	22	16	37	28	20	15	34	26
	9'	21	16	36	27	18	14	31	23	15	12	26	20	14	- 11	24	18
	8'	107	80	181	136	89	67	151	113	77	58	127(f)	98	71	54	121	91
	9'	75	56	127	96	63	47	106	80	54	41	92	69	50	38	85	64
	10'	55	41	93	70	46	34	77	58	40	30	67	50	37	27	62	46
3"	11'	41	31	70	52	34	26	58	44	30	22	50	38	27	21	47	35
	12'	32	24	54	40	26	20	45	34	23	17	39	29	21	16	36	27
	13'	25	19	42	32	21	16	35	26	18	14	31	23	17	12	28	21
	10'	125	94	212	159	104	78	168(f)	132	90	68	144(f)	115	83	63	141	106
	11'	94	70	159	119	78	59	132(f)	99	68	51	115	86	63	47	106	79
	12'	72	54	122	92	60	45	102	77	52	39	88	66	48	36	82	61
4"	13'	57	43	96	72	47	36	80	60	41	31	70	52	38	28	64	48
	14'	46	34	77	58	38	28	64	48	33	25	56	42	30	23	51	39
	15'	37	28	63	47	31	23	52	39	27	20	45	34	25	19	42	31
	16'	31	23	52	39	25	19	43	32	22	17	37	28	20	15	34	26
	15'	72	54	121	91	63	47	107	80	55	41	93	70	51	38	86	64
	16'	60	44	100	75	52	39	88	66	45	34	76	57	42	31	71	53
5"	17'	49	37	83	62	43	33	74	55	38	28	64	48	35	26	59	44
	18'	42	31	70	53	37	27	62	46	32	24	54	40	29	22	50	37
	19'	35	26	59	44	31	23	53	40	27	20	46	34	25	19	42	32
	20'	30	23	51	39	27	20	45	34	23	17	39	29	21	16	36	27

Footnote

^{1.} Values followed by (f) are goverened by bending stress. Allowable loads for floors where governed by deflection are half of those listed in the 1/180 column.

^{2.} Bending stress relates to 2-month duration. It is not exceeded when the listed loads are applied based on recognized decking formulas.

^{3.} Span/loads shown assume compliance to layup rules described elsewhere. Longer spans may require specific lengths differing from the standard shipment--consult your Disdero representative.

^{4.} Nominal 5" Fir/Larch will have a MOE of 1.7×10^6 psi unless special arrangements are made prior to manufacture.

^{5.} Comparable values are obtained with Ponderosa Pine face and Douglas Fir/Larch centers and back.



nstallation

General Requirements

Random Length Continuous (RLC) is the most common method of applying Lock-Deck. It allows the use of mixed lengths of material on a variety of span conditions, providing high structural efficiency and attractive appearance.

The allowable RLC roof loads recommended in the span table are based on actual full-scale tests, where the decking was laid in conformance with certain rules. Install as follows for equivalent performance.

- The deck must be continuous over three or more spans of approximately equal length, with each piece of deck over at least one support. Other situations require special design.
- 2. Place decking to disperse end-joints as randomly as possible;
 - a. The distance between end-joints in

- adjacent rows of decking is at least two feet.
- The distance between end-joints in rows of decking separated by only one row is at least one foot.
- End spans shall be carefully planned and placed. To ensure that end spans perform as indicated by the Span Tables, follow one of these practices:
 - a. Eliminate end-joints in one-third of the decking courses, or
 - Provide a cantilevered overhang, free of end-joints, equal to 20% of the end span, or
- c. Shorten the end span by 10%. Where one of these practices cannot be applied, end span deflection may exceed the values shown. Construction practice generally accepts the 10% reduction in end spans.
- 4. Decking should be end-matched and toenailed within one foot of all ends (see Attachment Procedures, this page).

Diaphragm Construction

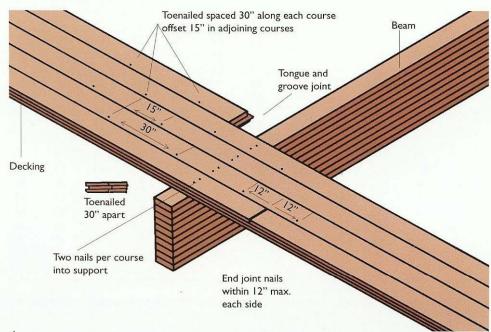
Lock-Deck can be engineered to carry diaphragm shear forces from earthquake and high-wind forces.

The most used method for obtaining diaphragm resistance is to install plywood or OSB over the Lock-Deck. The nailing of panel edges is the same as for panels installed over joists. The Lock-Deck provides the required blocking.

Lock-Deck laminated roof or floor decking in 3", 4", and 5" thicknesses may be designed to resist lateral forces when a 3/8" bead of 3M adhesive No. 5200 is applied on top of the tongue-and-groove joint between adjacent decking courses. Random applied decking may be used and the nailing schedule is the same as regular deck.

Either diaphragm design must have a continuous Chord along all sides to resist the moment forces.

Attachment Procedures



Nailing Schedule

Toenailing along Courses: 6d@30" o.c. for 2" nominal 8d@30" o.c. for 3" nominal 16d@30" o.c. for 4" nominal 16d@30" o.c. for 5" nominal

Face Nailing to Supports: 16d for 2" nominal 20d for 3" nominal 30d for 4" nominal 50d for 5" nominal

Screws

Screws can be used as an alternate providing equal shear and withdrawal resistance are provided.



Insulation / Specifications

Thermal Resistance

Decking will normally require additional insulation to meet today's energy codes. Rigid insulation or structural insulated panels can be installed over the decking to provide the desired insulating capacity.

Thermal Resistance Calculation (R) For Laminated Roof Deck Systems

Air film resistance, outside	0.17
Asphalt shingles	0.44
3/8" plywood or OSB sheathing	0.47
Vapor barrier	0.12
Air space	1.05
Air film resistance (inside)	0.61
3" laminated decking	4.00
6" rigid insulation R=5.4 per inch	32.40
Total R Value	39.26

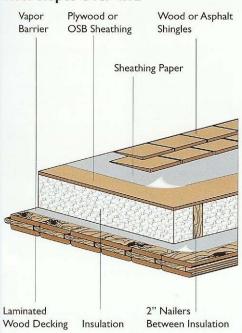
Decking Thermal Resistance -- R1

Decking		Cedar	White Fir		
Thickness	Western	Face	Idaho White		
Nominal	Red	Whitewood	& Ponderosa	Douglas	Southern
Inch	Cedar	core & back	Pine	fir	Pine
2	2.67	2.53	2.40	2.07	2.05
3	4.00	3.70	3.58	3.08	3.05
4	5.02	4.58	4.47	3.81	3.69
5	6.16	5.59	5.48	4.63	4.63

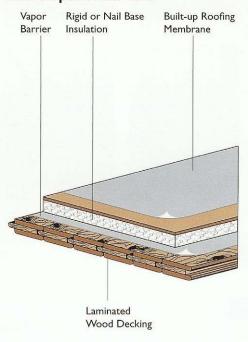
¹R = Total thermal resistance of the assembly without roofing or air film resistance.

0

Roof Slopes Over 4:12



Roof Slopes Under 4:12



Guide Specifications

Species: Select face from Western Red Cedar, Idaho White Fir, White Pine, Ponderosa Pine, Douglas Fir/Larch, or Southern Pine.

Grades: Supreme, Decorative, Service.

Textures: Select face from smooth surface, smooth sanded, course sanded (16 grit), resawn (cross band-saw texture), or wire brushed.

Nominal Sizes: $2 \times 6, 2 \times 8, 3 \times 6, 3 \times 8, 4 \times 6, 4 \times 8, 5 \times 6, \text{ and } 5 \times 8.$

Lengths: Random 6' to 16' or specified lengths up to 24'. End matched tongue-and-groove is standard. Square ends or end-matched available up to 20'. Lengths 18' to 24' may have structural finger-jointed lumber.

Pattern: Standard vee, square edge, channel, bull nose.

Moisture Content: 10% to 12% average, maximum 15%.

Adhesives: 100% exterior waterproof type, meeting ASTM D2559. Laminated decking is cured under pressure using high frequency electronics in a radio frequency (RF) press.

Factory Finish: Use factory applied, oven dried, acrylic semi-transparent colors.

Quality Control: Lumber to be graded under American Softwood Lumber Standard grading provisions. Glueline certification complies with ASTM D205 and AITC 200. Laminating is certified by an independent inspection agency.



Factory Finishing

Factory finishing of Lock-Deck assures a complete and even application. Pre-finishing saves construction time, eliminates the need for scaffolding, and provides a high quality finish and professional appearance.

Standard Finish

The standard finish is an acrylic based, semi-transparent stain available in twenty colors. The color will vary depending upon the species of wood selected. Request an actual wood sample on species of choice for final color approval.

A clear matte sealer or clear semi-gloss finish is also available for a natural finish.

726



DISDERO LUMBER CO.

709

12301 S.E. Carpenter Dr. Clackamas, OR 97015 503-239-8888 800-547-4209 www.lockdeck.com E-mail: gbrinck@disdero.com



706

712

Distributor

Lock-Deck is available from our national distribution network. Call for the name of the distributor nearest you.

Bridgetown Mahogany Decking



DARK RED MAHOGANY is a beautiful wood that is strong and durable. Discovered in Asia and brought to the western world by Spanish explorers in the 1500's, dark red mahogany is an excellent choice for decking, docks, boardwalks, and other outdoor projects that require strength and durability.

Choosing a mahogany product for your project is an important decision. There are 375 different mahogany species with widely varying appearance, strength, and durability characteristics. When you purchase Bridgetown mahogany, you are assured that you are getting a quality product. Bridgetown mahogany is manufactured only from those species that are strong and durable. It is graded for consistent color, high quality and pleasing appearance. Your investment in a Bridgetown deck will last years with proper care.

Bridgetown mahogany is sourced from countries that are leaders in ecological, sustained forestry practices.

BRIDGETOWN MAHOGANY DECKING

Installation Guide

GENERAL NOTES

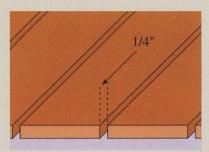
- Bridgetown mahogany is a kiln-dried hardwood. Adequate airflow under the deck is essential.
- Kiln-dried deck boards will not shrink appreciably after installation. They will, however, expand during periods of high humidity or prolonged rainfall.
- Follow your local building codes.

SPACING DECK JOISTS

 Because of the strength of 5/4 mahogany decking, your deck can be framed 24" on center. 16" on center framing, while not necessary, will increase the strength and stability of your deck.

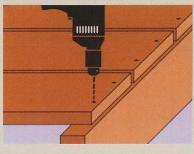
SPACING DECK BOARDS

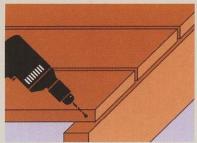
• Your deck boards need to be spaced to allow for seasonal expansion. Allow 1/4" between boards. End joints can be tight, as mahogany will not expand lengthwise.



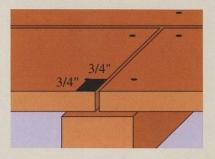
FASTENING DECK BOARDS

 We recommend drilling pilot holes on the ends of each deck board to minimize splitting.

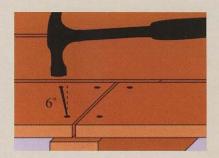




- Use 2-1/4" screws or ring shank nails to fasten the deck boards to the joists. Because Bridgetown mahogany is hard and dense, it is necessary to drill pilot holes to prevent splitting.
- ♦ The nails or screws should penetrate a minimum of 1" into the joists. Counter sinking for screw heads may be necessary. Do not over tighten screws. Doing so could cause the screw to fracture and leads to decking failure. Deck boards should be held in place with two fasteners at each joist, each driven through the face of the deck board.



• Fasteners should be no less than 3/4" from the end or edge of the deck board. Fasteners at the ends of each board should be inserted at a slight angle (5-10 degrees) into the joist.



FINISHING YOUR DECK

- Keep your deck materials clean and dry prior to treating and installation.
- We recommend sealing your deck boards on all four sides and both ends before building your deck. Moisture will continue to enter and exit a deck board long after it is installed. Sealing the deck board on only one side with a deck finish will impede that process, and will allow moisture to come and go, cupping could occur.
- There are many fine deck stains on the market. A sealer with pigments (U.V. inhibitors) will help fight fading and discoloration caused by direct sunlight. Consult your local dealer for the best products to maintain long lasting beauty.
- Deck Clips, Under Deck Fastening Systems, and/or Hidden Fastening Systems are not recommended for Bridgetown mahogany decking.

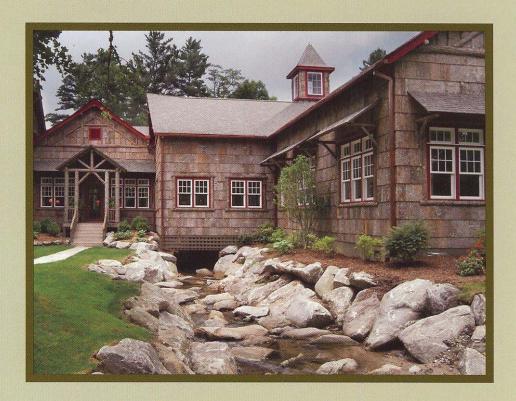


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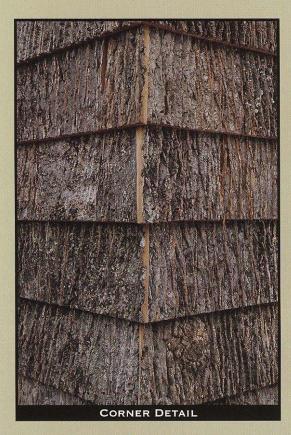
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- Timeless beauty



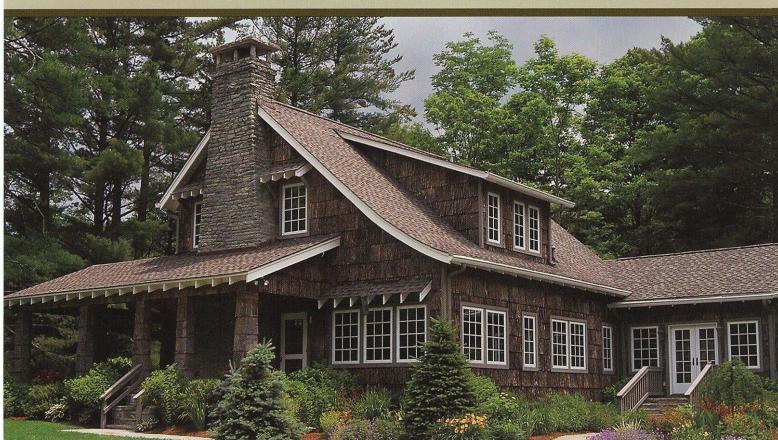
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- The longest experience in the industry
- Exclusive 5-point quality control plan
- Expert grading for quality, width and appearance
- Professional kiln drying procedures to ensure product stability and prevent black mold and undue shrinkage
- Sterilized, stabilized, squared shingles
- Field and laboratory product testing
- User friendly installation guides
- Highland Craftsmen Technical Support
- Climate controlled warehouse facilities
- Chemical free
- All natural "green" building product





STANDARD GRADE



BARK INSTALLATION



MAINTENANCE FREE

Maintenance free **Bark House Shingles** are increasingly the material of choice for distinguished residential and commercial products, and **Highland Craftsmen** is the premier purveyor.

LONGEVITY & QUALITY

Bark House Shingles have been valued over generations for durability, lasting 80 years or longer. Our product blends beautifully in natural settings, and adds the calm of nature to harsh commercial environments.

Highland Craftsmen Bark House Shingles are sterilized and professionally kiln dried to make a safer and more stable building material; and they leave our warehouse with moisture content below yard conditions. This means they won't have significant shrinkage or cracking when applied properly.

A GREEN COMPANY

Bark House Shingles are a 100% reclaimed building product. Our shingles are a recovered waste product of the timber industry. They require no stains, sealers, paint or preservatives. This is a remarkable green product.

DEDICATED TO YOUR SUCCESS

Highland Craftsmen produces the finest poplar bark shingles available for use in residential and commercial construction. We offer unsurpassed technical and customer support to architects, builders, designers and home owners. We have dedicated years of research to testing the properties and applications of poplar bark and are proud to lead today's exciting **Bark House** revival.

SPECIFICATIONS:

Lengths: 26" and 18"

Shingles may be cut in half to change the exposures.

Grades: Standard grade is

1/2" to 7/8" thick Premium grade is 7/8" to 1 1/2" thick.

Widths: Individual bark shingles are random and range from

4" to 4'.

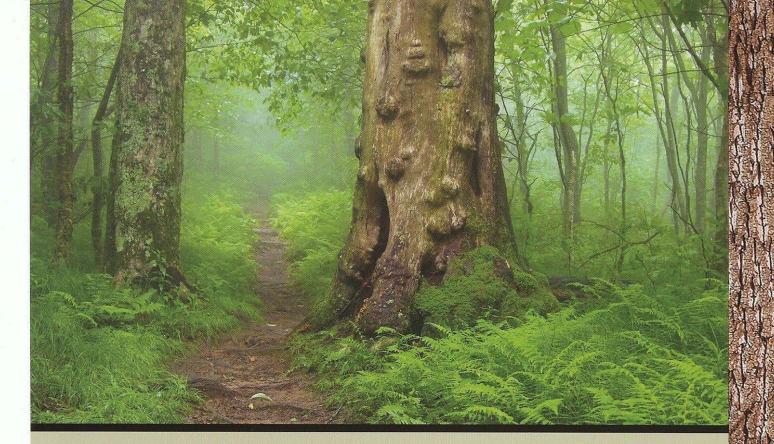
APPLICATION:

Detailed installation instructions accompany every order.

SEE OUR FULL LINE OF INTERIOR AND EXTERIOR PRODUCTS

BARK HOUSE ELEMENTS FOR THE WHOLE HOME™

AT BARKHOUSE.COM



THE COMPANY WE KEEP

The professional staff at **Highland Craftsmen Inc.**, manufacturer's of the **Bark House Shingle**, includes a licensed contractor with architectural and chemical engineer training, a forestry school graduate, a trained lumber grader and a masters level quality control expert. We offer vast experience in customer service and an absolute commitment to deliver the best bark shingles made.

Look for the **Highland Craftsmen Inc. Bark House** logo as your assurance of quality **Bark House** products.





WHAT OTHERS SAY

The unique quality of the Popular Bark products produced by Highland Craftsmen offers Designers a new option in applying the rustic nature of the bark to our Mountain Homes exterior and as well to the interiors and thus creating the ambience and warmth of timeless design our clients seek.

—Ken Pieper, Architect, Ken Pieper & Associates, Dream Home Colorado

It's gratifying to know that someone is making such creative and novel products available and backing them with quick shipping and great service.

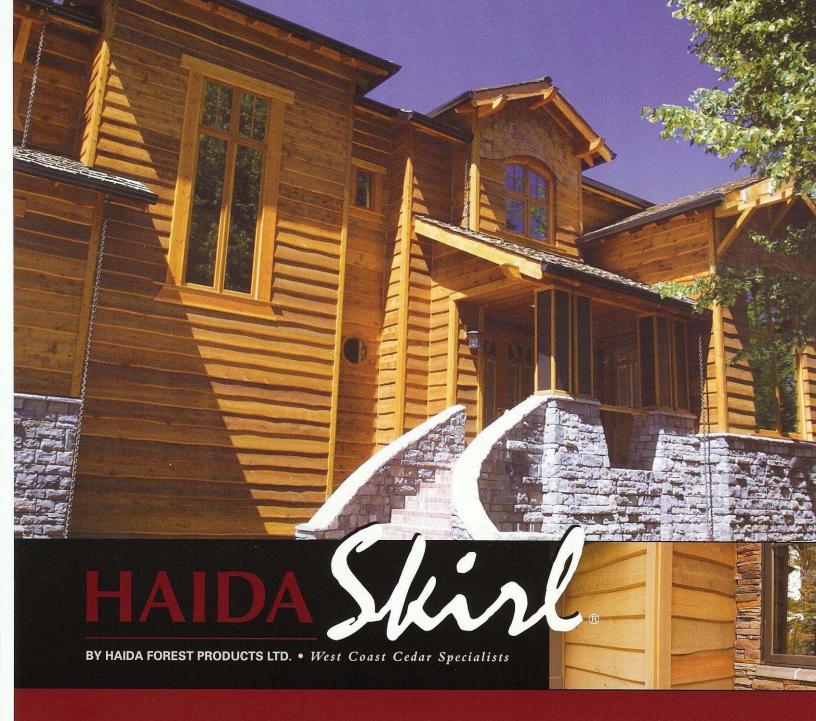
—Colin D. Whyte, Builder, West Tisbury, Massachusetts

Highland Craftsmen's people, product, process, and ethics are without equal—period.

—Eric K.



2066 West 2200 South West Valley, UT 84119 Phone- (801)973-4466 Fax- (801)972-5956 www.bringard.biz



HAIDA SKIRL WAVEY EDGE SIDING

Haida Skirl wavey edge siding combines the natural beauty and legendary performance of Western Red Cedar with a unique manufacturing process that creates a distinctive look that cannot be replicated by any other material. Hand crafted, the deep texture and wavey edge of Haida Skirl makes a dramatic statement that enhances the street appeal of any home.

Why settle for the ordinary? Choose Western Red Cedar siding for its performance and beauty, choose Haida Skirl to reflect your discerning style and taste.



HAIDA SALAL® WAVEY EDGE SIDING

Haida Skirl is produced from carefully selected Western Red Cedar. Cedar's natural characteristics protect against decay and insects, ensure materials stay straight, lay flat, and provide an excellent base for paints and stains. Quality coating systems can be used with confidence for a variety of decorative effects. This is an outstanding advantage of real wood Cedar siding. As a result, your creativity is not limited to one color or style.

Each piece of Haida Skirl is carefully inspected and all knots Permi-Fused where necessary to provide a 100% tight knot grade. It is the only wavey edge siding that is manually produced by specially trained operators, as a result each piece is unique. The extra thickness of Haida Skirl siding provides a deeper shadow line which emphasizes and enhances Haida Skirl's appearance.

Special Features and Specifications:

- Sawn textured, fine grained to accentuate the natural beauty inherent in Western Red Cedar.
- · 100% tight knot or Permi-fused
- · Also available in Clear grades
- High percentage of heartwood for added durability
- Kiln dried to 14% average moisture content to ensure maximum stability.
- Lengths: 3-20' Odd & Even (Min. 70% 8' & longer, Maximum 12% 3-5').
- Available in the following sizes:
 - 15/16 x 10 or 12
 - -7/8 x 8
 - 11/16 x 8 or 10
 - Haida Majestic Skirl 11/4"X10 or 12
 - Haida Giant Skirl 17/8"X10 or 12

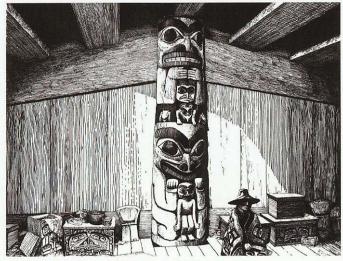


WEST COAST CEDAR SPECIALISTS

THE HAIDA STORY A people with a rich and varied culture, the Haida people were among the earliest residents of Coastal British Columbia. The Haida revered the giant Cedar as "the tree of life". Shelter, clothing, medicine and transportation were all obtained from the timber, roots, and bark of the Cedar tree. This is reflected in a quote from renowned Haida artist Bill Reid "Oh the cedar tree! ...if mankind in his infancy had prayed for the perfect substance for all material and aesthetic

needs, an indulgent god could have provided nothing better."

Today, Haida art is admired internationally. Carved Cedar masks, totem poles and other cultural artifacts of haunting beauty are displayed in galleries and museums worldwide. Out of respect for these magnificent people and their reverence for Western Red Cedar, Haida Forest Products adopted this honored name to identify our company and the premium products we manufacture.



Interior of Raven House at Ninstints. Ink drawing by Gordon Miller

Distributed By:



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NOTES



Our Product Line

In addition to premium exterior packages, siding, timbers, and Bark House Shingles. Our product line features premium grade architectural mill work which exceeds (industry) standards in the finest selection of wood available.

Moldings

Our catalog represents our most popular profiles. We are not limited to the profiles shown. We have many existing custom pattern knives to choose from. We can match your existing profiles or we can create new ones.

Radius Work

We also manufacture custom radius work including base, case, jambs, and crowns. Radius moldings are manufactured in eyebrows, half-rounds, full rounds, and ovals.

Millwork

We produce custom millwork to any specifications, matching any detail you need.

Entryways

Our entry doors are stave core construction to allow for maximum stability. We are capable of producing a wide variety of designs to meet your specific needs—stile and rail doors; custom arched entryways; flush doors with exotic veneer faces; and true divided lites, manufactured to any size and style. We also design and manufacture custom passage doors. If you can't find the special door you need, give us a call.

Stairs

Our stair catalog features our product line of premium grade stair parts that are machined to meticulous standards. Custom stair design per customer's specification is also available.

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2008 EDITION



Premium Exterior Packages

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