

## **The Highland** - List of materials needed to construct a weather tight home.

### **PLEASE NOTE:**

1. While every attempt has been made in the preparation of this materials list to avoid mistakes, B&H Cedar Log Homes, L.L.C. cannot guarantee against human error. The customer must check, or have a local building materials supplier check, all items & quantities and be wholly responsible for same.
2. The TOTAL cost of constructing the model to the weather tight stage will be the building permit cost, plus the cost of clearing the lot, plus the cost of any driveway construction, plus the cost of basement excavation (if needed), plus the cost of footers, plus the cost of the foundation, plus the kit cost, plus the cost of weather tight materials, plus the cost of labor (typically \$11 - \$14 per square foot) to erect the weather tight shell.
3. Weather tight construction begins with the foundation in place and ends with the black paper on the roof and the windows and exterior doors installed.
4. Questions or comments? Call 540-752-4106 or email info@cedar-log-homes.com.

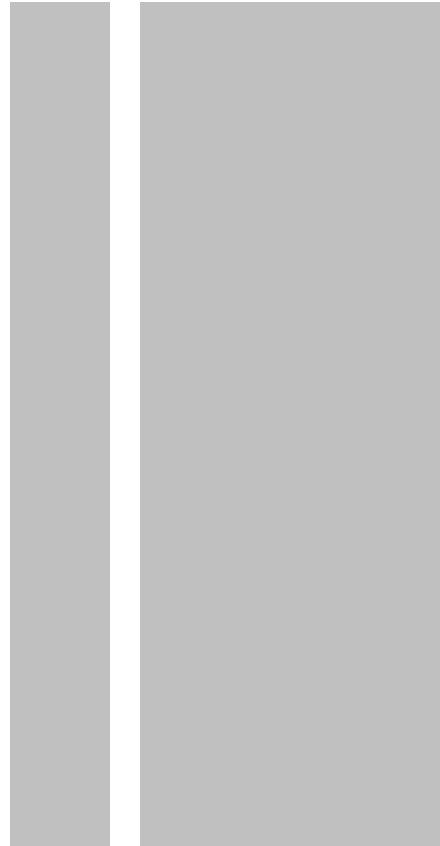
**INSTRUCTIONS:** Price the materials (Indicated by "Y") at your local suppliers & enter the prices in the **COST** column. This spread sheet will then calculate the total cost of materials needed to build the weather tight home.

**BILL OF MATERIALS**

<<< Shaded areas indicate data entry by customer.

DESCRIPTION	UNITS	PRICE?	COST	SUPPLIER - Only if you wish to keep this information.
1/2" 3-ply CDX Plywood	ea	Y		
1/2" 4-ply CDX Plywood	ea	Y		
1/2" BC Plywood	ea	Y		
1x6 T&G	lf	Y		
2x10x10' PT	ea	Y		
2x10x12' PT	ea	Y		
2x10x10' SPF	ea	#N/A		
2x10x12' SPF	ea	Y		
2x10x14' SPF	ea	Y		
2x10x14' PT	ea	Y		
2x10x16' SPF	ea	#N/A		
2x10x18' SPF	ea	#N/A		
2x10x8' SPF	ea	Y		
2x12x8' SPF	ea	Y		
2x12x10' SPF	ea	#N/A		
2x12x12' PT	ea	#N/A		
2x12x12' SPF	ea	Y		
2x12x14' SPF	ea	Y		
2x12x16' SPF	ea	Y		
2x12x18' SPF	ea	Y		
2x12x20' SPF	ea	Y		
2x4 Studs SPF	ea	#N/A		
2x4x10' SPF	ea	Y		
2x4x12' SPF	ea	Y		
2x4x8' SPF	ea	Y		
2x8x10' PT	ea	Y		
2x8x12' PT	ea	Y		
2x8x12' SPF	ea	#N/A		
2x8x14' PT	ea	Y		
2x8x16' SPF	ea	#N/A		
2x8x8' PT	ea	Y		
2x8x8' SPF	ea	#N/A		
2x6x8' SPF	ea	Y		
2x6x10' SPF	ea	Y		
2x6x12' SPF	ea	Y		
3/4" OSB T&G subfloor	ea	Y		
5/4x6x12' PT	ea	Y		

5/4x6x10' PT		ea	Y
5/4x6x8' PT		ea	#N/A
6x6x8' PT		ea	Y
Black paper, 15#		4 squares/roll	Y
Door #1	Front, 3-0x6-8 recommended	ea	Y
Door #2	Kitchen	ea	Y
Door #3	Laundry	ea	Y
Engineered beam		ea	Y
Glue, construction		12, 1 qt tubes	Y
H Clips, 1/2" roof sheathing		250/bx	Y
Insulation, 9", R30, 24"oc		80 sf/bundle	Y
Joists Hangers, 2x8		ea	Y
Nails, 12d coated		50#	Y
Nails, 8d coated		50#	Y
Nails, button caps		2000	Y
Ridge vent, aluminum		10'	Y
Ridge vent connectors		ea	Y
Ridge vent end caps		ea	Y
Screws, PT Deck		5# Box	Y
Subfloor bridging		ea	Y
Termite shield		50 Linear feet	Y
Window #1	Front of the house	ea	Y
Window #2	Bedrooms, egress	ea	Y
Window #3	Master bath	ea	Y
Window #4	Loft, gable end	ea	Y
Window #5	Kitchen	ea	Y
Window #6	2nd floor bath	ea	Y
Window #7	2nd floor, dormer	ea	Y
Wiring, Indoor, 12-2 with ground		50'	Y



**DELIVERY PACKAGES & COMPONENTS**

**SUBFLOOR PACKAGE**

DESCRIPTION	COUNT	UNITS	\$/UNIT	EXTENSION	HOW/WHERE USED
Termite shield	3	50 Linear feet	0.00	0.00	Between foundation and PT plate
2x12x8' SPF	4	ea	0.00	0.00	Quad 2x12 beam under subfloor
2x12x12' SPF	4	ea	0.00	0.00	Quad 2x12 beam under subfloor
2x12x14' SPF	4	ea	0.00	0.00	Quad 2x12 beam under subfloor
2x8x14' PT	4	ea	0.00	0.00	Plate between foundation & floor joists
2x8x12' PT	2	ea	0.00	0.00	Plate between foundation & floor joists
2x8x10' PT	4	ea	0.00	0.00	Plate between foundation & floor joists
2x10x14' PT	8	ea	0.00	0.00	Double band around subfloor
2x10x12' PT	4	ea	0.00	0.00	Double band around subfloor
2x10x10' PT	8	ea	0.00	0.00	Double band around subfloor
2x10x14' SPF	50	ea	0.00	0.00	Floor joists, 16" oc
Subfloor bridging	110	ea	0.00	0.00	Between floor joists
Glue, construction	2	12, 1 qt tubes	0.00	0.00	T&G to floor joists
3/4" OSB T&G subfloor	28	ea	0.00	0.00	Subfloor
Nails, 12d coated	2	50#	0.00	0.00	Floor joists
Nails, 8d coated	1	50#	0.00	0.00	T&G to floor joists
2x4x10' SPF	40	ea	0.00	0.00	Braces for log wall uprights, to be reused elsewhere
<b>PACKAGE SUBTOTAL</b>					<b>0.00</b>

**PORCH DECK PACKAGE - Steps not included**

DESCRIPTION	COUNT	UNITS	\$/UNIT	EXTENSION	HOW/WHERE USED
2x8x8' PT	27	ea	0.00	0.00	Deck joists, 16" oc
2x8x10' PT	2	ea	0.00	0.00	Double carrier beam
2x8x12' PT	4	ea	0.00	0.00	Double carrier beam
5/4x6x10' PT	10	ea	0.00	0.00	Porch decking, 2 extra
Joists Hangers, 2x8	27	ea	0.00	0.00	Attach rafters to house band
6x6x8' PT	6	ea	0.00	0.00	Foundation posts
5/4x6x12' PT	47	ea	0.00	0.00	Porch decking, 2 extra
Screws, PT Deck	2	5# Box	0.00	0.00	PT decking
<b>PACKAGE SUBTOTAL</b>					<b>0.00</b>

**INTERIOR 1st FLOOR STUD WALLS - Interior stairs not included**

DESCRIPTION	COUNT	UNITS	\$/UNIT	EXTENSION	HOW/WHERE USED
2x6x8' SPF	3	ea	0.00	0.00	Plumbing stud wall plates
2x6x10' SPF	9	ea	0.00	0.00	Plumbing stud wall
2x4x8' SPF	22	ea	0.00	0.00	Studs walls running left <-> right
2x4x10' SPF	35	ea	0.00	0.00	Stud walls running front <-> rear
2x4x12' SPF	15	ea	0.00	0.00	Stud wall plates
2x10x8' SPF	4	ea	0.00	0.00	Door headers, basement,BR,closet,bath
1/2" 3-ply CDX Plywood	1	ea	0.00	0.00	Door header spacer
Wiring, Indoor, 12-2 with ground	1	50'	0.00	0.00	Pre-wire ceiling lights
Nails, 12d coated	2	50#	0.00	0.00	Stud walls
<b>PACKAGE SUBTOTAL</b>					<b>0.00</b>

**DECKING, STUDS FOR 2nd FLOOR, HOUSE RAFTERS**

DESCRIPTION	COUNT	UNITS	\$/UNIT	EXTENSION	HOW/WHERE USED
1x6 T&G	1529	lf	0.00	0.00	2nd floor, under subfloor
1/2" BC Plywood	22	ea	0.00	0.00	Subfloor
Engineered beam	1	ea	0.00	0.00	Balcony beam, sized by supplier
Glue, construction	1	12, 1 qt tubes	0.00	0.00	Goes between subfloor & T&G
2x4x12' SPF	10	ea	0.00	0.00	Studs for interior walls
2x4x10' SPF	Use 2x4x10' log wall braces				Studs for interior walls
2x4x8' SPF	25	ea	0.00	0.00	Studs for interior walls
2x6x8' SPF	2	ea	0.00	0.00	Studs for plumbing wall
2x6x10' SPF	10	ea	0.00	0.00	Studs for plumbing wall
2x4x12' SPF	19	ea	0.00	0.00	Stud wall plates for interior walls
2x4x12' SPF	17	ea	0.00	0.00	Stud wall plates, interior walls
2x6x10' SPF	3	ea	0.00	0.00	Stud wall plates, interior walls
2x6x8' SPF	26	ea	0.00	0.00	Studs for rear dormer
2x6x10' SPF	6	ea	0.00	0.00	Studs for rear dormer
2x6x12' SPF	10	ea	0.00	0.00	Stud wall plates for rear dormer
2x6x12' SPF	6	ea	0.00	0.00	Studs for gables
2x6x10' SPF	15	ea	0.00	0.00	Studs for gables
2x6x8' SPF	20	ea	0.00	0.00	Studs for gables
2x6x12' SPF	16	ea	0.00	0.00	Plates for gable stud walls
2x10x12' SPF	3	ea	0.00	0.00	Headers for windows
1/2" 3-ply CDX Plywood	1	ea	0.00	0.00	Spacer for window headers
2x12x16' SPF	13	ea	0.00	0.00	Roof rafters, 24" oc, 3/12 pitch
2x12x18' SPF	20	ea	0.00	0.00	Roof rafters, 24" oc, 10/12 pitch
2x12x20' SPF	9	ea	0.00	0.00	Roof rafters, 24" oc, 10/12 pitch
2x12x20' SPF	1	ea	0.00	0.00	Roof ridge board
2x12x16' SPF	1	ea	0.00	0.00	Roof ridge board
1x6 T&G	2393	lf	0.00	0.00	Ceiling, including great room
Nails, 12d coated	2	50#	0.00	0.00	Framing nails
<b>PACKAGE SUBTOTAL</b>					<b>0.00</b>

**ROOF & GABLE SHEATHING, ROOF INSULATION ETC.**

DESCRIPTION	COUNT	UNITS	\$/UNIT	EXTENSION	HOW/WHERE USED
1/2" 4-ply CDX Plywood	37	ea	0.00	0.00	Roof sheathing
H Clips, 1/2" roof sheathing	1	250/bx	0.00	0.00	
1/2" 3-ply CDX Plywood	13	ea	0.00	0.00	Gable & dormasheathing
Insulation, 9", R30, 24"oc	14	80sf/bundle	0.00	0.00	Fiber glass insulation
Black paper, 15#	4	4sq rolls	0.00	0.00	To cover roof, gables & dormer
Nails, 8d coated	2	50#	0.00	0.00	Sheathing to rafters & gable studs
Nails, button caps	2	2000	0.00	0.00	Black paper to sheathing
Ridge vent, aluminum	4	10' lengths	0.00	0.00	Self explanarory
Ridge vent connectors	3	ea	0.00	0.00	Self explanarory
Ridge vent end caps	2	ea	0.00	0.00	Self explanarory
<b>PACKAGE SUBTOTAL</b>					<b>0.00</b>

**PORCH ROOF PACKAGE**

DESCRIPTION	COUNT	UNITS	\$/UNIT	EXTENSION	HOW/WHERE USED
1x6 T&G	867	lf	0.00	0.00	Porch ceiling
1/2" 4-ply CDX Plywood	13	ea	0.00	0.00	Roof sheathing
2x4x12' SPF	10	ea	0.00	0.00	Knee wall bet front wall & porch wall
2x4x10' SPF	11	ea	0.00	0.00	Knee wall bet front wall & porch wall
Black paper, 15#	1	ea	0.00	0.00	
<b>PACKAGE SUBTOTAL</b>					<b>0.00</b>

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WINDOW & EXTERIOR DOOR PACKAGE - Size, style & cost are the customer's choice

DESCRIPTION	COUNT	UNITS	\$/UNIT	EXTENSION	HOW/WHERE USED
Window #1	2	ea	0.00	0.00	Front of the house
Window #2	2	ea	0.00	0.00	Bedrooms, egress
Window #3	1	ea	0.00	0.00	Master bath
Window #4	1	ea	0.00	0.00	Loft, gable end
Window #5	1	ea	0.00	0.00	Kitchen
Window #6	1	ea	0.00	0.00	2nd floor bath
Window #7	1	ea	0.00	0.00	2nd floor, dormer
Door #1	1	ea	0.00	0.00	Front, 3-0x6-8 recommended
Door #2	1	ea	0.00	0.00	Kitchen
Door #3	1	ea	0.00	0.00	Laundry

PACKAGE SUBTOTAL 0.00

TOTAL COST OF WEATHER TIGHT MATERIALS FOR THE HIGHLAND \$0.00